

CICS Data Areas

Release 3



CICS Data Areas

Release 3

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Before using this information and the product it supports, be sure to read the general information under "Notices" on page ix.

Third edition (March 1999)

This edition applies to Release 3 of CICS Transaction Server for OS/390, program number 5655-147, and to all subsequent versions, releases, and modifications until otherwise indicated in new editions. Make sure you are using the correct edition for the level of product.

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This book is intended to help you diagnose problems in your CICS system, and primarily documents Diagnosis, Modification, or Tuning Information.

Warning: Do not use this Diagnosis, Modification, or Tuning Information as a programming interface.

However, this book also documents General-use Programming Interface and Associated Guidance Information and Product-sensitive Programming Interface and Associated Guidance Information provided by CICS.

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General-use Programming Interface and Associated Guidance Information is identified where it occurs by an introductory statement to a data area.

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Notices

Preface

What this book is about

This book lists the major data storage areas used by CICS®, and indicates the storage layout and usage of each area.

Who this book is for

This book is for anyone who needs to look at a CICS dump or trace:

IBM® service personnel CICS system programmers CICS application programmers.

What you need to know to understand this book

It is assumed that you have an understanding of CICS. You need to know how data is represented in storage. To understand the general approach to CICS problem-solving, you should look at the CICS Problem Determination Guide. The CICS Diagnosis Reference includes a list of CICS modules and the data areas used by each.

How to use this book

You should use this reference book when you are trying to solve a problem with a CICS system.

This book includes the tables that define and control a CICS system and its resources, as well as input and output areas and work areas used by CICS functions and application programs. The contents may be determined at system generation or system initialization time, or they may be set dynamically while CICS is running.

Note: You may see references in this book to items that belong to other CICS products, such as CICS/DOS/VS, CICS/OS/VS, CICS/MVS®, CICS/ESA®, or CICS/VSE®. These items are in source used by all versions of CICS, and have no effect in this version.

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Subsequent updates will probably be available in softcopy before they are available in hardcopy. This means that at any time from the availability of a release, softcopy versions should be regarded as the most up-to-date.

For CICS Transaction Server books, these softcopy updates appear regularly on the *Transaction Processing and Data Collection Kit* CD-ROM, SK2T-0730-xx. Each reissue of the collection kit is indicated by an updated order number suffix (the -xx

part). For example, collection kit SK2T-0730-06 is more up-to-date than SK2T-0730-05. The collection kit is also clearly dated on the cover.

Updates to the softcopy are clearly marked by revision codes (usually a "#" character) to the left of the changes.

CICS Transaction Server for OS/390

CICS Transaction Server for OS/390: Planning for Installation	GC33-1789
CICS Transaction Server for OS/390 Release Guide	GC34-5352
CICS Transaction Server for OS/390 Migration Guide	GC34-5353
CICS Transaction Server for OS/390 Installation Guide	GC33-1681
CICS Transaction Server for OS/390 Program Directory	GC33-1706
CICS Transaction Server for OS/390 Licensed Program Specification	GC33-1707

CICS books for CICS Transaction Server for OS/390

SC33-1704
SX33-6104
GC33-1705
SC33-1682
SC33-1683
SC33-1684
SC33-1685
SC33-1686
SC33-1687
SC33-1688
SC33-1689
SC33-1692
SC34-5455
SC33-1691
SC34-5268
GC33-1693
GC33-1694
LY33-6088
LY33-6089
SC34-5446
LY33-6090
SC33-1695
SC33-0824
SC33-1697
SC33-1944
SC34-5445
SC33-1698
SC33-1699
SC33-1700
SC33-1701
SC33-1702
SC33-1777
SC33-1939

CICSPlex SM books for CICS Transaction Server for OS/390

General CICSPlex SM Master Index SC33-1812 CICSPlex SM Concepts and Planning GC33-0786 CICSPlex SM User Interface Guide SC33-0788 SX33-6099 CICSPlex SM View Commands Reference Summary Administration and Management CICSPlex SM Administration SC34-5401 CICSPlex SM Operations Views Reference SC33-0789 CICSPlex SM Monitor Views Reference SC34-5402 CICSPlex SM Managing Workloads SC33-1807 CICSPlex SM Managing Resource Usage SC33-1808 CICSPlex SM Managing Business Applications SC33-1809 **Programming** CICSPlex SM Application Programming Guide SC34-5457 CICSPlex SM Application Programming Reference SC34-5458 **Diagnosis** CICSPlex SM Resource Tables Reference SC33-1220 CICSPlex SM Messages and Codes GC33-0790 CICSPlex SM Problem Determination GC33-0791

Other CICS books

CICS Application Programming Primer (VS COBOL II)	SC33-0674
CICS Application Migration Aid Guide	SC33-0768
CICS Family: API Structure	SC33-1007
CICS Family: Client/Server Programming	SC33-1435
CICS Family: General Information	GC33-0155
CICS 4.1 Sample Applications Guide	SC33-1173
CICS/ESA 3.3 XRF Guide	SC33-0661

Chapter 1. CICS® Transaction Server for OS/390® Data Areas

How the data areas are presented

The data areas are listed in alphabetical order of their shortened names. The shortened name usually, but not always, matches the first few characters of the data area name, disregarding the DFH prefix; for example DFHTCA is shortened to TCA. Some data areas are grouped together according to usage. If you do not find a data area under the expected short name, you should look in the table of contents or the index for the full name of the area or for the name of the macro or copy book that generates the area.

For each field in each data area, the following information is listed:

- The hexadecimal offset, in parentheses
- The data type and for bitstring values, the bit representation
- The length in bytes (decimal)
- The name (symbolic label)
- A brief description of the function

Where the name of a field is shown as an asterisk (*), the field is reserved.

Where bit settings are indicated, the symbolic labels that have been equated to the bit settings are given. These labels are used to refer to the numeric values in programs that use the data area, and are included in this book to help you understand the program listings. The offset given for one of these fields applies only to the symbolic label assigned to the field as a unit; it does not apply to the labels equated to bit settings (hex values).

Where a storage definition has a duplication factor, for example DCREGS (16), the length of the field is the length of each element of the storage. The total length of the storage is this length multiplied by the duplication factor which is shown in parentheses after the name.

For EQUATE statements, the operand is shown in quotation marks in the description.

Use of the index

- All fields are listed in the index at the back of this book.
- · Each field name listed in the index is followed by:
 - the hexadecimal offset of the field, shown in parentheses,
 - If the field name applies to a bit value, this is indicated by the word **BIT** in place of the hexadecimal offset.
 - the field length, shown in square brackets,
 - the short name of the area in which it appears,
 - and the page number.

Use the index to find where this book shows the field that you are seeking, in a Data Area. Don't use the index for anything else — for example, you will probably not find enough information in the index to diagnose a problem.

Authorized function blocks AFCB

CONTROL BLOCK NAME = DFHAFCB/AFTSTART/DFHAFCS. DESCRIPTIVE NAME = CICS (SVC) Authorised Function Blocks. FUNCTION = AUTHORISED FUNCTION CONTROL BLOCK. The CICS AFCB/AFT/AFCS structure consists of three types of control block:

- 1. The AFCS. One per CICS Address Space.
- Addressed from AFTAFCS.

 The AFCB/AFT. One per authorised TCB.
 Addressed from TCBCAUF.

 A(AFT) = A(AFCB)+AFLENG+OFFSET(AFLSTBEG)

 LIFETIME = CICS Job.

STORAGE CLASS =

LOCATION =

NOTES: DEPENDENCIES = S/370 RESTRICTIONS =

MODULE TYPE = Control block definition

PRODUCT-SENSITIVE PROGRAMMING INTERFACE

The following field forms part of the Product-Sensitive

Programming Interface:

AFCSA

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	224	DFHAFCB	
(0)	CHARACTER	4	AFIDENT	Eyecatcher: 'AFCX'
(4)	UNSIGNED	1	AFVER	Version and Release level.
(5)	UNSIGNED	1	AFSVCNO	CICS SVC no.
(6)	HALFWORD	2	AFLENG	Length of the AF List vector.
(8)	ADDRESS	4	AFCSA	ADDRESS OF CICS CSA
(C)	ADDRESS	4	AFAICB	ADDRESS OF APPL INTERFACE BLOCK
(10)	CHARACTER	208	AFLSTBEG	START OF ENTRIES
(10)	ADDRESS	4	AFPFF	PAGE FIX/FREE
(14)	ADDRESS	4	AFCHAIN	FIX/FREE RECORD CHAIN ANCHOR
(18)	ADDRESS	4	AFSRB	HPO SRB
(1C)	ADDRESS	4	AFHPSRB	TYPE 6 SVC ROUTINE - HPO SRB
(20)	ADDRESS	4	AFIRSVC	ADDRESS OF INTER-REGION SVC
(24)	ADDRESS	4	AFIRSUDB	Address of SUDB if logged on
(28)	ADDRESS	4	AFMON	MONITORING ROUTINE
(2C)	ADDRESS	4	AFMONCB	MONITORING CONTROL BLOCK ANCHOR
(30)	ADDRESS	4	AFSEC	SECURITY ROUTINE
(34)	ADDRESS	4	*	Security Anchor now in AFCS.
(38)	ADDRESS	4	AF7770	ADDRESS OF THE 7770 ROUTINE
(3C)	ADDRESS	4	*	RESERVED
(40)	ADDRESS	4	AFDEQ	ADDRESS OF THE DEQ ROUTINE
(44)	ADDRESS	4	AFDEQCB	ADD. OF DEQ WORK BLOCK
(48)	ADDRESS	4	AFPXT	Old VSAM subtask postexit -
(4C)	ADDRESS	4	AFPXTXA	- keep for coexistence with 2.1
(50)	ADDRESS	4	AFSKP	Subtask Manager Routine.
(54)	ADDRESS	4	*	Reserved.
(58)	ADDRESS	4	AFPSS	Spooler Routine.
(5C)	ADDRESS	4	AFPSSCB	Spooler Anchor.
(60)	ADDRESS	4	AFSDU	Old SDUMP. Keep for coexistence
(64)	ADDRESS	4	*	Reserved.
(68)	ADDRESS	4	AFXRF	Xrf Routine.
(6C)	ADDRESS	4	*	Reserved.
(70)	ADDRESS	4	AFINIT	AFCB Initial Authorisation.
(74)	ADDRESS	4	*	Reserved.
(78)	ADDRESS	4	AFINH	AFCB Inherit Authorisation.
(7C)	ADDRESS	4	*	Reserved.
(80)	ADDRESS	4	AFLODR	Loader Routine.
(84)	ADDRESS	4	*	Reserved.
(88)	ADDRESS	4	AFMFI	Monitoring Routine.
(8C)	ADDRESS	4	AFMFICB	Monitoring Auth Facil Anchor *
(90)	ADDRESS	4	AFSMR	Storage Management Routine
(94)	ADDRESS	4	*	Reserved.
(98)	ADDRESS	4	AFAPR	AP Domain Bind Routine.
(9C)	ADDRESS	4	*	Reserved.
(A0)	ADDRESS	4	AFDSP	Dispatcher Auth Facil routine
(A4)	ADDRESS	4	AFDSPTB	Dispatcher Auth block (DSAUTB)
(A8)	ADDRESS	4	AFDTSVC	Data Tables SVC routine
(AC)	ADDRESS	4	AFDTRGNP	Data Tables Region Anchor
(B0)	ADDRESS	4	AFXCINIT	INIT for EXCI environment
(B4)	ADDRESS	4	AFXCG	XCGLOBAL addr
(B8)	ADDRESS	4	AFXCSDMP	SDUMP routine for EXCI
(BC)	ADDRESS	4	*	Reserved
(C0)	ADDRESS	4	AFKESVC	Kernel SVC
(C4)	ADDRESS	4	*	Reserved
(C8)	ADDRESS	4	AFDUSVC	Dump SVC
(CC)	ADDRESS	4	*	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description	
(D0)	ADDRESS	4	AFDMSVC	Domain mgr SVC	
(D4)	ADDRESS	4	AFCBDMAN	DM ENF Anchor(>DMAFS)	
(D8)	ADDRESS	4	AFRXSVC	RX domain SVC routine	
(DC)	ADDRESS	4	AFRXANCR	RX domain Anchor	
(E0)	CHARACTER		*	Ensure Double-Word length.	
Offset	Туре	Len	Name (Dim)	Description	
Hex					
(0)	STRUCTURE	16	AFTSTART	Authorised Functions Trailer	
(0) (0)	HALFWORD	16 2	AFTLENG	Length of AFCB Trailer.	
(0)					

	1		AFTQR	AFT for the QR TCB
	.1		AFTEXCI	AFCB belongs to an EXCI env
(3)	BITSTRING	1	*	Reserved
(4)	ADDRESS	4	AFTAFCS	Address of AFCS.
(8)	ADDRESS	4	AFTKTCB	Address of Kernel TCB Block.
(C)	ADDRESS	4	*	Reserved
(10)	CHARACTER		*	Ensure Double-Word length.

AUTHORISED FUNCTION COMMON

CONTROL BLOCK

The authorised function common control block (AFCS) is used to control the authorised functions of the operating system. It is an anchor for the storage that can be shared by tasks using the CICS SVC paths. There is one AFCS per CICS address space. Each AFCB points to the single AFCS. Storage for the AFCS is obtained at initialization by DFHCSVC (MVS getmain from key 0 subpool 253), invoked from the Kernel.

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	136	DFHAFCS	Auth Functions Common CB.
(0)	CHARACTER	4	AFCSID	Eye-catcher: 'AFCS'
(4)	UNSIGNED	1	AFCSVER	Version Number: 1, now.
(5)	BITSTRING	1	AFCS_FLAGS	Various Flags
	1		AFCS_ARM_ REGISTERED	
				ARM register status
(6)	HALFWORD	2	AFCSLEN	Length of this Block.
(8)	ADDRESS	4	AFCSKCB	Kernel Anchor.
(C)	HALFWORD	2	AFCSCSVC	CICS Service SVC: X'0ANN'.
(E)	UNSIGNED	1	AFCSXRFD	¬0 => Some WTI Services Disabled
(F)	UNSIGNED	1	AFCS_CICS_KEY	CICS key N in X'N0' format
(10)	ADDRESS	4	AFCSSEC	Security Block Anchor.
(14)	ADDRESS	4	AFCSDSP	Dispatcher global anchor (DSAUSB)
(18)	ADDRESS	4	AFCSCSAA	AP Domain CSA Address.
(1C)	CHARACTER	8	AFCSGAPD	Generic Applid.
(24)	CHARACTER	8	AFCSSAPD	Specific Applid.
(2C)	CHARACTER	8	AFCSCLTN	CLT Name.
(34)	ADDRESS	4	AFCSMFI	Monitoring Block Anchor.
(38)	CHARACTER	8	AFCSAXIN	Alternate Xrf Ids Table Name
(40)	ADDRESS	4	AFCSDXHP	-> DXH (SM domain)
(44)	ADDRESS	4	AFCSDMAN	-> DFHDMAFS (ENF anchor)
(48)	BITSTRING	4	AFCSCTKN	MVS WLM Connect token
(4C)	ADDRESS	4	AFCS_CEECTCB	A(CEECTCB (LE init module))@LJC
(50)	FULLWORD	4	*	reserved
(54)	FULLWORD	4	*	reserved
(58)	FULLWORD	4	*	reserved
(5C)	FULLWORD	4	*	reserved
(60)	FULLWORD	4	*	reserved
(64)	FULLWORD	4	*	reserved
(68)	FULLWORD	4	*	reserved
(6C)	FULLWORD	4	*	reserved
(70)	FULLWORD	4	*	reserved
(74)	FULLWORD	4	*	reserved
(78)	FULLWORD	4	*	reserved
(7C)	FULLWORD	4	*	reserved
(80)	ADDRESS	4	*	reserved
(84)	ADDRESS	4	*	reserved
(88)	CHARACTER		*	alignment

Constants

LenTypeValueNameDescription1DECIMAL1AFVER1AFCB version (Field AFVER) - CICS 1.7, 2.11DECIMAL2AFVER2AFCB version (Field AFVER) - CICS 3.1

AFCT Application file control table

CONTROL BLOCK NAME = DFHAFCTP DESCRIPTIVE NAME = CICS/ESA Application File Control Table. FUNCTION = Definition of a file to AP. The AFCT belongs to the AP domain. It defines local and remote files that application programs can use. There is one entry per file. Each AFCT entry (AFCTE) for a LOCAL file has a corresponding entry in the FCT owned by File Control. AFCTEs for REMOTE files do not have FCT entries. Created by DFHFCRP during initialization from either the assembled FCT or the definition on the catalog. Also created / updated by RDO INSTALL of file definition by DFHAFMT. STORAGE CLASS = File Control general above the line subpool. LOCATION = By DFHAFMTM FUNCTION(INQUIRE_FILE) call to DFHAFMT. Located Internally by DFHFCEI in file request processing. INNER CONTROL BLOCKS = None NOTES : DEPENDENCIES = S/370 RESTRICTIONS = MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = GLOBAL VARIABLES (Macro pass) = Application File Control Table Entry

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	88	DFHAFCTE	AFCT definition
Co	mmon part of table er	ntry		
(0)	CHARACTER	32	AFCTCOMM	
(0)	CHARACTER	8	AFCTEID	Block identifier - >AFCTE<
(0)	CHARACTER	8	AFCTEGRP	(RDO GROUP name at assembly)
(8)	CHARACTER	8	AFCTNAME	Local name of file
(10)	HALFWORD	2	AFCTELEN	Length of this entry
File	e status information			
(12)	BITSTRING	1	AFCTSTAT	Status byte
	1		AFCTREMT	REMOTE indicator
	.1		*	reserved
	1		*	reserved
	1		*	reserved
	1		*	reserved
	1		*	reserved
	1.		*	reserved
	1		*	reserved
(13)	UNSIGNED	1	*	Reserved
Loc	cal file token			
(14)	CHARACTER	8	AFCTCNCT	FC_CONNECT_TOKEN
(14)	ADDRESS	4	AFCTCNCP	Pointer part of token
(18)	FULLWORD	4	AFCTCNCN	Count part of token
(1C)	FULLWORD	4	*	Reserved
	d of common part of t	able entry F	Remote file information	
(20)	CHARACTER	56	AFCTRMTE	Remote AFCT overlay
(20)	CHARACTER	8	AFCTRNAM	Name of file on remote system

Offset Hex	Туре	Len	Name (Dim)	Description
(28)	CHARACTER	4	AFCTRSYS	Name of remote system
Sta	atistics fields			
(2C)	FULLWORD	4	AFCTRDEL	Number of deletes
(30)	FULLWORD	4	AFCTREAD	Number of reads
(34)	FULLWORD	4	AFCTGETU	Number of get updates
(38)	FULLWORD	4	AFCTWRA	Number of adds
(3C)	FULLWORD	4	AFCTWRU	Number of updates
(40)	FULLWORD	4	AFCTBRWS	Number of browses
(44)	FULLWORD	4	AFCTBRWU	Number of upd. browses
Data information for remote transfer				
(48)	HALFWORD	2	AFCTRRSZ	Record size
(4A)	UNSIGNED	1	AFCTRKLN	Key length
(4B)	BITSTRING	1	*	Flags
	1		AFCT_NOT_AUTH	Last CONNECT attempt failed with 'not authorised'
	.1		AFCT_OPEN	Connected to remote SDT
	1		AFCT_CONN_FAIL	Last CONNECT attempt failed - retry later.
	1		AFCT_LINK_FAIL	Last CONNECT attempt failed link security check
	1		AFCT_408_ ISSUED	Message 0408 issued - shipped request was successful
	1		AFCT_408_ NEEDED	Message 0408 needed if shipped request is successful
	1.		AFCT_FORCE	Force users off
	1		*	Reserved
(50)	CHARACTER	8	AFCT_STCK	Value of shared table
(50)	UNSIGNED	4	AFCT_LH_STCK	clock at last CONNECT attempt.
(54)	CHARACTER	4	AFCT_LINK_ ERROR	CONNECT link fail error

Constants

Len 2	Type DECIMAL	Value 32	Name AFCTELLN	Description		
Ler	Length of remote file entry					
2	DECIMAL	88	AFCTERLN			
Co	Control block id					
8	CHARACTER	>AFCTE<	AFCT ENTRY ID	Eve catcher	-	

Automatic initiate descriptor AID

CONTROL BLOCK NAME = DFHAIDDS DESCRIPTIVE NAME = CICS Automatic Initiate Descriptor (AID). FUNCTION = LIFETIME = STORAGE CLASS = LOCATION =
INNER CONTROL BLOCKS = None
NOTES:
DEPENDENCIES = \$/370 RESTRICTIONS = MODULE TYPE = Control block definition EXTERNAL REFERENCES = DATA AREAS = CONTROL BLOCKS = GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	148	DFHAIDDS	AID control block
(0)	CHARACTER	16	AIDPRFX	AID prefix
(0)	UNSIGNED	2	AIDLEN	AID length
(2)	CHARACTER	6	AIDBLKID	Eye-catcher ('>DFHAP')
(8)	CHARACTER	8	AIDBLKNM	Control block name ('AID')
(10)	CHARACTER	132	AIDBODY	AID body
(10)	ADDRESS	4	AIDCHNF	Forward chain pointer
(14)	ADDRESS	4	AIDCHNB	Backward chain pointer
(18)	CHARACTER	124	AIDDATA	AID data

Substructure of AIDDATA

Offset Hex	Туре	Len	Name (Dim)	Description
(18)	STRUCTURE	128	AIDDATA_STRUCTURE	
(18)	CHARACTER	4	AIDTRMID	Terminal id
(1C)	CHARACTER	4	AIDTRNID	Transaction identification
(20)	CHARACTER	1	*	Reserved
(21)	CHARACTER	4	AIDSHSYS	Shipped via sysid
(25)	CHARACTER	4	AIDCURTR	Current terminal id
(29)	CHARACTER	4	AIDDEST	TD destination
(2D)	CHARACTER	1	AIDTYPE	Type of AID
(2E)	BITSTRING	1	AIDSTATI	AID status indicator
()	1		AIDPRIV	AID is for privileged allocate
	.1		AIDSENT	This AID has been sent to TOR
	1		AIDCANCL	Cancel remote AID
	1		AIDROUTP	AID not yet routed to AOR
	1		AIDSHIPD	Prevent duplicate send to tor
	1		AIDREMX	AID for a remote transaction
	1.		AIDREMT	AID for a remote terminal
	1		AIDSTTSK	Task initiated
(2F)	CHARACTER	1	*	Reserved
(30)	ADDRESS	4	AIDTCTA	TCTTE address
(30)	ADDRESS	4	AIDTCTSA	Skeleton TCTTE addr if terminal remotely owned
(34)	CHARACTER	8	AIDDATID	Data identification
(34)	CHARACTER	2	*	Request id
(36)	CHARACTER	1	*	x'FD' for BMS
(37)	CHARACTER	4	AIDMCRID	MCR identifier
(37)	CHARACTER	3	AIDMSGID	Msg identifier
(3A)	CHARACTER	1	AIDTC	Terminal code
(3B)	CHARACTER	1	*	Reserved
(3C)	CHARACTER	8	AIDOVLY	overlay area
(3C)	CHARACTER	8	AIDNETSY	Netname/Sysid from XICTENF exit
(3C)	CHARACTER	8	AIDNETNM	Netname from XICTENF exit (from ICP to ALP via ICE)
(3C)	CHARACTER	8	*	
(3C)	CHARACTER	4	*	Reserved
(40)	CHARACTER	4	AIDSYSID	Sysid from XICTENF exit (from ICP to ALP via ICE)
(3C)	CHARACTER	8	*	AIDOVLY when AIDTYPE = AIDISC
(3C)	ADDRESS	4	AIDTCAA	Address of suspended TCA
(40)	CHARACTER	4	*	Reserved
(44)	CHARACTER	8	AIDMODEN	LU6.2 mode name
(4C)	CHARACTER	1	AIDTR	Transaction routing indicator
(4D)	CHARACTER	1	AIDFS	Function shipping indicator
(4E)	BITSTRING	1	AIDFLAGS	Flags
	1		AIDSZ	Startcode SZ for FEPI
	.1		AIDNPUR	Non purgeable allocate aid
	1		AIDPURGD	Aid purged

Offset Hex	Туре	Len	Name (Dim)	Description
	1		AIDDYNTR	Dynamic transaction
	1		AIDRECOV	PUT AID with recoverable TS data
	1		AIDCRSRT	CRSR rescheduling bit
	1.		AID REROUTED	Aid is being rerouted to another TOR
	1		AIDRTST	Routable start
(4F)	UNSIGNED	1	*	Reserved
(50)	CHARACTER	4	AIDSYST	System id of first system in route to terminal owner (usually = terminal owner)
(54)	CHARACTER	4	AIDTIMST	Time stamp
(58)	CHARACTER	4	AIDSYSX	System id of first system in route to transaction owner (usually = transaction owner)
(5C)	BITSTRING	1	AIDVER	Verification flags for aid
. ,	1		AIDVERUN	Unchained
	.1		AIDVERFR	Freed aid's storage
	11 1111		*	Reserved
(5D)	CHARACTER	8	AID_TERMINAL_ NETNAME	
(-)				Netname of target term
(65)	CHARACTER	8	AID_TOR_NETNAME	Netname of TOR
(6D)	CHARACTER	8	AID_TOR_NETNAMEO	Original TOR netname
(76)	HALFWORD	2	AID_START_ DATA_LEN	Start data length
(78)	CHARACTER	17	*	Reserved
(8C)	CHARACTER	12	AIDVDATA	Variant structure, depending on AIDTYPE
(8C)	CHARACTER	12	AIDBMS_ STRUCTURE	AIDVDATA when AIDTYPE=AIDBMS
(8C)	BITSTRING	1	AIDOCTYP	Type of operator check regd
()	1111 11		*	Reserved
	1.		AIDOCCL	Check operator class
			AIDOCID	Check operator id
(8D)	CHARACTER	3	AIDOPCHK	Operator check field
(90)	CHARACTER	4	AIDBMSTS	BMS time stamp
(94)	BITSTRING	1	AIDBMSCC	BMS control information
(-)	1		AIDBMSMT	Message title is present
	.111 1111		*	Reserved
(95)	CHARACTER	3	*	Reserved
(8C)	CHARACTER	12	AIDCRRD STRUCTURE	AIDVDATA when AIDTYPE=AIDCRRD
(8C)	CHARACTER	8	AIDNETNA	Netname
(94)	CHARACTER	4	*	Reserved
(8C)	CHARACTER	12	AIDPUT STRUCTURE	AIDVDATA when AIDTYPE = AIDPUT
(8C)	CHARACTER	8	*	Reserved
(94)	ADDRESS	4	AID_TRANNUM	TRANNUM of transaction that has been attached for this AID

Constants

Len 4	Type DECIMAL	Value 148	Name AIDAD	Description AID length			
Pos	ssible values of AIDTY	/PE					
1	HEX	80	AIDBMS	BMS - schedule request			
1	HEX	50	AIDPUT	PUT - start with data			
1	HEX	40	AIDINT	INT - start without data			
1	HEX	10	AIDTDP	TDP - schedule request			
1	HEX	08	AIDISC	ISC - allocate request			
1	HEX	04	AIDCRRD	REMDEL - remote delete			
Val	Values used in DFHIC get wait requests						
1	DECIMAL	0	AID_GW_DATA	Resumed due to new data			
1	DECIMAL	4	AID GW SHUTDOWN	Resumed due to shutdown			

APLI Program language block

```
This copybook contains the declarations for the Program Language
Block.

CONTROL BLOCK Name = DFHLILBC

DESCRIPTIVE NAME = CICS Program Language Block

This Copy Book describes the Program Language Block

FUNCTION = Holds Language details needed during the running of
 an application program.

LIFETIME = Task

Storage CLASS = CICS.

Notes:

Dependencies = S/370

Restrictions =

Module Type = Control block definition
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	68	PLB	
(0)	CHARACTER	8	PLB_PROGRAM_NAME	
(8)	FULLWORD	4	PLB_USE_COUNT	
(C)	CHARACTER	1	PLB_SUNDRY_FLAGS	
(C)	BITSTRING	1	*	
	1		PLB_DYING	
	.1		PLB_DATALOC_ ANY	datalocation any applies
	1		PLB_EXECKEY_ CICS	execution key = cics
	1		PLB_AMODE31	program is amode 31
	1		PLB_ENQ_LOCK	ENQ lock is active
	1		PLB_JVM	program runs under Java Virtual Machine
	1		PLB_JVM_DEBUG	JVM debug
(D)	CHARACTER	1	PLB_USERS_ LANGUAGE	reserved lang as defined by user
(E)	CHARACTER	2	PLB_PROGRAM_MODE	TCB mode for program
(10)	ADDRESS	4	PLB LOAD POINT	TOB mode for program
(10)	ADDRESS	4	PLB_JVM_ CLASS_PTR	address of class data for JVM programs
(14)	ADDRESS	4	PLB_ENTRY_POINT	
(18)	FULLWORD	4	PLB_PROGRAM_ LENGTH	
(1C)	CHARACTER	28	PLB_PGMINFO2	ERTLI program extension
(1C)	FULLWORD	4	PLB_PRGINLEN	ERTLI extension length
(20)	CHARACTER	4	PLB_RWA31	31bit run-unit w/a length
(20)	BITSTRING	1	*	
<i>(</i>)	1	_	PLB_RWA31_ ABOVE	ON=31-bit stg reqd (C/370)
(21)	UNSIGNED	3	PLB_RWA31_LEN	0.00
(24)	FULLWORD	4	PLB_RWA24	24bit run-unit w/a length
(28)	CHARACTER	4 1	PLB_LANGUAGE	language flags
(28)	BITSTRING 1	,	PLB_LANG1	
	.1		PLB_CEE_ ENABLED PLB_LANGUAGE	
			KNOWN	
	1		PLB_MIXED_	
			LANGUAGE	
	1		PLB_COMPATIBILITY	
	1		PLB_CEE_	
			EXECUTABLE	
	1		PLB_ASSEMBLER	
	1.		PLB_C370	
	1		PLB_COBOL2	
(29)	BITSTRING	1	PLB_LANG2	
	1		PLB_OSCOBOL	
	11 1111		PLB_PLI *	reserved
(2A)	BITSTRING	1	*	reserved
(2B)	BITSTRING	1	*	reserved
(2C)	FULLWORD	4	PLB_MEMID	language member id
(30)	ADDRESS	4	PLB_GLOBAL_ OPTIONS	
				addr of CEECOPT
(34)	ADDRESS	4	PLB_USER_ OPTIONS	addr of CEEUOPT
(38)	CHARACTER	12	OSCOBOL_ EXTENSION	
(38)	UNSIGNED	2	PLB_TGT_SIZE	size of Task Global Table
(3A)	UNSIGNED	2	PLB_TGT_WS_SIZE	size of Task Global Table + Working Storage
(3C)	ADDRESS	4	PLB_TGT_ADDRESS	original TGT address
(40)	HALFWORD	2	PLB_BLL_ CELL_DISP	offset to 1st BLL cell
(42)	CHARACTER	2	PLB_OSCOBOL_ VERSION	compiler version
				compiler version

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	257	PLB_JVM_CLASS	
(0)	HALFWORD	2	PLB_JVM_ CLASS_LENGTH	
(2)	CHARACTER	255	PLB_JVM_ CLASS_DATA	

Application domain global statistics APSTG

```
CONTROL BLOCK NAME = DFHAPSTG
DESCRIPTIVE NAME = CICS AP Statistics Global Storage Block
FUNCTION = This control block contains the time at which AP dom-
ain statistics were last reset and also a map of statistics res-
ource types, statistics modules, module entry points and module
status to enable DFHAPST to manage the collection of statistics
in the AP domain.
This module is part of the APPLICATION DOMAIN (AP).
This control block is created the first time that DFHAPST is
called to perform a statistics function in the AP domain. The
control block persists until CICS is shutdown (whether literally
or 'logically' via the 'end-of-day' command).
LIFETIME = This control block is created by DFHAPST the first
time it is called. The control block is not explicitly deleted
by DFHAPST but the pointer to it is lost when CICS is terminated.
STORAGE CLASS = n/a
LOCATION = The address field CSAAPSTG in the CSAOPFL points
to the beginning of this control block.
INNER CONTROL BLOCKS = none
DEPENDENCIES = S/370
RESTRICTIONS = n/a
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
 DATA AREAS = none
 CONTROL BLOCKS = none
 GLOBAL VARIABLES (Macro pass) = none
AP STATISTICS GLOBAL STORAGE BLOCK, consists of:
Standard header tag so that the block can be found in
Last-reset-time field which contains the time in MVS
STCK format when statistics counters in the AP domain
were last reset.
A map of:
Restype---
        Module---->
                Entry point---->
                           Status
The map relates resource types to the modules that
access the statistics for those resource types and to an
```

entry point for the module and to a status which shows whether statistics for that resource type/id are avail-

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	14600	APST_GLOBAL_ STORAGE	
(0)	CHARACTER	16	STORAGE_PREFIX	
(0)	HALFWORD	2	STORAGE_LENGTH	
(2)	CHARACTER	1	STANDARD_ARROW	
(3)	CHARACTER	3	STANDARD_DFH	
(6)	CHARACTER	2	STORAGE_ DOMAIN_ID	
(8)	CHARACTER	8	STORAGE_ BLOCK_NAME	
(10)	CHARACTER	8	AP_LAST_ RESET_TIME	
(18)	CHARACTER	24	RESOURCE_ STATE_MAP	
			(10)	
(18)	CHARACTER	8	RESOURCE_NAME	
(20)	CHARACTER	8	RESOURCE_MODULE	
(28)	ADDRESS	4	RESOURCE_ MODULE_	
			ENTRY_POINT	
(2C)	BITSTRING	1	RESOURCE_STATUS	
(108)	CHARACTER	14336	STATS_BUFFER_ LARGE	

Constants

Le 1	',,,,,		Name ARROW	Description		
		ar, padded to 8 char with blanks padded to 8 char with blanks n be one of the following				
1 1 1	BIT BIT BIT BIT	00000000 01000000 1000000 11000000	NO_STATS_AVAILABLE ID_STATS_ UNAVAILABLE TYPE_STATS_ UNAVAILABLE ALL_STATS_ AVAILABLE			
	These two variables are used to define the storage required for the AP stats control block. They are used in the call to Storage Domain to obtain the storage.					
8	CHARACTER DECIMAL	APSTGBST 14600	CONTROL_BLOCK_NAME CONTROL_BLOCK_ LENGTH			
	Total number of mappings is the number of resources in the AP domain for which statistics are collected.					
2	DECIMAL	10	TOTAL_MAPPINGS	*		
	Offsets in mapping used for m	odule loading optimisation.				
2	DECIMAL DECIMAL	6 8	TERMINAL_ MAP_OFFSET VTAM_MAP_OFFSET	•		

APXDC Application domain trandef extension

CONTROL BLOCK NAME = DFHAPXDC DESCRIPTIVE NAME = CICS (AP) Transaction definition extension FUNCTION = This copybook describes the AP domain transaction definition related control block.

This copy book describes the control block which is anchored from the AP domain token in the transaction definition. The main purpose of the control block is to allow AP domain to optimize AP actions at attach/

There will be one instance of this control block for every transaction definition instance in the region. LIFETIME = associated with a transaction definition instance STORAGE CLASS = SUBPOOL(CSAAPXDS)

CICS key, 31 bit, Fixed length LOCATION = This control block addressed via the first word in the AP domain transaction definition related token and can be addressed using the DFHXMXDI macro. INNER CONTROL BLOCKS = none

NOTES : DEPENDENCIES = S/390 RESTRICTIONS = none

MODULE TYPE = Control block definition EXTERNAL REFERENCES = none

DATA AREAS = none CONTROL BLOCKS = none

GLOBAL VARIABLES (Macro pass) = none

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	72	DFHAPXDC	AP trandef extension
(0)	CHARACTER	16	APXD_EYE	Standard eye catcher
(0)	HALFWORD	2	APXD_EYE_LEN	control block length
(2)	CHARACTER	14	APXD_EYE_NAME	>DFHAP_APXD
(10)	FULLWORD	4	APXD_COUNT	check count for serviceability
(14)	BITSTRING	1	APXD_FLAGS1	Various flags
	1		APXD_CEE_ ENABLED	Txn uses CEE work area
	.1		APXD_TDLA	Txn uses taskdataloc(any)
(15)	BITSTRING	1	*	Reserved
(16)	UNSIGNED	2	APXD_USTG_SIZE	total size of AP_USER_TXN
(18)	CHARACTER	8	APXD_SUBPOOL	TCA subpool token
(20)	CHARACTER	8	APXD_PPF	Profile area
(20)	UNSIGNED	4	APXD_PPF_ CHANGECOUNT	
				validation counter
(24)	ADDRESS	4	APXD_PPF_PTR	profile address
(28)	CHARACTER	8	APXD_TRPPF	Tran routing profile area
(28)	UNSIGNED	4	APXD_TRPPF_ CHANGECOUNT	
				validation counter

Offset Hex	Туре	Len	Name (Dim)	Description
(2C)	ADDRESS	4	APXD_TRPPF_PTR	profile address
(30)	CHARACTER	8	APXD_TCTS	Tran routing tose area
(30)	UNSIGNED	4	APXD_TCTS_ CHANGECOUNT	
				validation counter
(34)	ADDRESS	4	APXD_TCTS_PTR	TCSE address
(38)	CHARACTER	8	APXD_D2_TOKEN	CICS/DB2 token
(38)	UNSIGNED	4	APXD_D2_ TOKEN_COUNT	
				validation counter
(3C)	ADDRESS	4	APXD_D2_ TOKEN_PTR	RCTE addr (entry pool comd)@L1A
(40)	CHARACTER	8	APXD_RUWA_TOKEN	LE ruwa token
(40)	UNSIGNED	4	APXD_RUWA_ ONESIZE	size of one ruwa
(44)	UNSIGNED	4	APXD_RUWA_ POOLSIZE	
				size of ruwa pool
(48)	CHARACTER		*	end

ATD Attach table

```
CONTROL BLOCK NAME = DFHXTSPS
DESCRIPTIVE NAME = CICS (TERMSHR) TRANSFORMER
FUNCTION =
   DSECT for PLAS callers of DFHXTP
LIFETIME =
Same as lifetime of caller's stack storage
STORAGE CLASS =
LOCATION =
  In stack-storage of XTP's caller
INNER CONTROL BLOCKS =
NOTES:
DEPENDENCIES = S/370
 RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
 CONTROL BLOCKS =
GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	124	DFHXTSPS	
(0)	CHARACTER		XTSTART	
(0)	CHARACTER		XTSBEGIN	
(0)	ADDRESS	4	XTSATTEL	ADDR OF TCTTE TO BE USED FOR THIS CONVERSATION
(4)	ADDRESS	4	XTSATIOA	ADDR OF TIOA FOR REQUEST TO BE SHIPPED ACROSS LINK
(8)	ADDRESS	4	XTSATTES	ADDR OF SURROGATE TCTTE
(8)	ADDRESS	4	XTSATTEU	ADDR OF USERS TCTTE
(C)	ADDRESS	4	XTSMCRA	ADDRESS OF MCR
(10)	ADDRESS	4	XTSLUCPL	Address of LUC parameter list
(14)	CHARACTER	6	*	·
(14)	ADDRESS	4	XTSINBPS	-> ZC BPS FOR INSTALL
(14)	CHARACTER	6	XTSPAGDS	PAGE DATA
(14)	ADDRESS	4	XTSPAGDA	ADDRESS OF PAGE DATA
(18)	CHARACTER	2	XTSPLDCM	LDC mnemonic for BMS page
(1C)	CHARACTER	2	XTSLDCM	LDC mnemonic for non BMS
(1E)	CHARACTER	1	XTSFORMN	TRANSFORMATION REQUIRED
(1F)	BITSTRING	1	XTSRQFRM	REQUEST FORMAT
(20)	CHARACTER	31	XTSRTEDS	ROUTE DATA
(20)	ADDRESS	4	XTSTTLA	ADDRESS OF TITLE
(24)	ADDRESS	4	XTSRTELA	ADDRESS OF ROUTE LIST
(28)	CHARACTER	2	XTSREQID	BMS REQUEST ID
(2A)	CHARACTER	12	XTSFQERT	FULLY QUALIFIED TERMINAL ID OF BMS ERROR TERMINAL (IE NETNAME.TERMID)
(36)	CHARACTER	2	XTSETLDC	BMS ERRTERM LDC
(38)	CHARACTER	2	XTSMCFL	MESSAGE CONTOL FLAGS
(38)	BITSTRING	1	XTSMCFL1	MESSAGE CONTROL FLAGS 1
	1		XTSRELSE	CTRL=RELEASE, OVERLAYS TITLE
	.1		XTSWBCUR	WRBRK=CURRENT, EQU MCRWBCUR.
	1		XTSWBALL	WRBRK=ALL, EQU MCRWBALL.
	1		XTSEODOP	EODPURG=OPER, EQU MCREODOP.
	1		XTSPAGE	CTRL=PAGING, EQU MCRPAGE.
	1		XTSAUTOP	CTRL=AUTOPAGE, EQU MCRAUTOP.
	1.		*	
	1		XTSRTAIN	CTRL=RETAIN, EQU MCRRTAIN.
(39)	BITSTRING	1	XTSMCFL2	MESSAGE CONTROL FLAGS 2
	1		*	
	.1		*	
	1		*	

Offset Hex	Туре	Len	Name (Dim)	Description
	1		*	
	1		XTSSCSA	ALTERNATE SCREEN SIZE USED, EQU MCRSCSA.
	1		VTODMOOM	DMO CYCTEM MECCACE FOLLMODDMOCM
	1. 1		XTSBMSSM	BMS SYSTEM MESSAGE, EQU MCRBMSSM.
(0.4)			VTOMOTOL	FLACO FOR TOWNSTRO
(3A)	BITSTRING	1	XTSMCTRL	FLAGS FOR TCAMSTR6
(3B)	BITSTRING	1	XTSRSVD	RESERVED
(3C)	CHARACTER	3	XTSOCL	OPERATOR CLASS
(3F)	CHARACTER	4	XTSSYSID	
(43)	CHARACTER	6	XTSTPOS1	COPY OF TCATPOS1 etc.
(49)	CHARACTER	2	XTSTPCON	COPY OF TCATPCON & TCATPOC3 *
(49)	CHARACTER	1	*	
(4A)	CHARACTER	1	XTSTPOC3	COPY OF TCATPOC3
(4B)	CHARACTER	1	XTSRPOS2	REQUEST SHIPPED
(4C)	BITSTRING	1	XTSTCOPC	TC OPERATION CODE
	1		*	
	.1		*	
	1		*	
	1		XTSTCRD	TC READ
	1		*	
	1		*	
	1.		XTSTCCNV	TC CONVERSE
	1		XTSTCWRT	TC WRITE
(4D)	BITSTRING	1	XTSSTAT	TRANSFORM STATUS
	1		XTSSTATR	REQUEST TRANSFORM
	.1		XTSSTATA	ATTACH TRANSFORM
	1		XTSSTATD	DETACH TRANSFORM
	1		XTSSTATF	FLUSH TRANSFORM
	1		*	
	1		*	
	1.		XTSSTATT	Time-out supported
	1		XTSSTATC	Terminal-owner is cold
(4E)	CHARACTER	4	XTSTRNID	REMOTE TRANSACTION ID
(52)	BITSTRING	1	XTSZIRSP	ZC RESPONSE
(53)	CHARACTER	8	XTSTPPNM	Prog. name for ISSUE LOAD
(5C)	CHARACTER	10	*	1 10g. Hame 101 10002 20115
(5C)	CHARACTER	8	XTSLUNAM	LU name of target system
(64)	UNSIGNED	2	XTSDATAL	Length of logon data
(66)	CHARACTER	1	XTSLOGEX	LOGMODE EXISTENCE
(67)	CHARACTER	8	XTSLOGEX	LOGMODE EXISTENCE LOGMODE FOR NEW SESS
		4		
(70)	FULLWORD CHARACTER	4 8	XTSDATAA XTSTNNAM	Address of logon data Terminal netname
(74)	CHARACTER	ō	VISTINIAM	reminal nethane

Constants

Len 1	Type HEX	Value 00	Name XTSTRAN1	Description Transformation 1			
1	HEX	02	XTSTRAN2	Transformation 2			
1	HEX	04	XTSTRAN3	Transformation 3			
1	HEX	06	XTSTRAN4	Transformation 4			
Valu	ies of XTSRQFRM						
1	HEX	00	XTSRQRLY	Relay			
	TCTTE address for user terminal/surrogate is passed in XTSATTEU. Data is sent over the link with a X'438000' FMH.						
1	HEX	01	XTSRQTIQ	Inquire terminal			
	The terminal entry associated with this conversation is INQUIRED.						
1	HEX	02	XTSRQTIN	Install terminal			
The	Address of Builder Parameter Set is passed in XTSINBPS. The BPS is sent over the link with a X'438002' FMH. This is not supported as the FMH 43 following a Task Attach.						
1	HEX	03	XTSRQTDE	Delete terminal			
syst	The REMOTE entries named in the list (if any) attached to the system entry for the link TCTTE are to be deleted. This is only supported with a Task Attach.						
1	HEX	04	XTSRQZIR	ZC install response message			

A03 VTAM global statistics

```
CONTROL BLOCK NAME = DFHA03DS
DESCRIPTIVE NAME = CICS VTAM global Statistics. FUNCTION = This DSECT describes VTAM global statistics.
     The data described by this DSECT is placed in storage by
     DFHSTVT, one of the the statistics modules in the AP domain.
    It contains VTAM global statistics.
     The same DSECT describes the system and user copies of the
    statistics. Several copies of the statistics may exist until
    the callers request has been satisified.
LIFETIME = The storage area is created when a request for VTAM
    global stats is received. It is released when the caller
    has acknowledged receipt of the data .
LOCATION = Caller is passed a pointer to the storage.
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
   DATA AREAS = none
   CONTROL BLOCKS = DFHTCTFX TCTVRAHC
              DFHTCTFX TCTVRANT
              DFHTCTTE TCTEDVSC
              DFHTCTFX TCTVDOC
```

GLOBAL VARIABLES (Macro pass) = none

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA03DS	VTAM statistics (Global)
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A03LEN	Length of data area
	1 .1.1		A03IDE	"0021" VTAM global stats mask
(2)	ADDRESS	2	A03ID	VTAM global storage id
	1		A03VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	A03DVERS	VTAM stats version number
(5)	CHARACTER	3		Reserved
(8)		4	A03RPLXT	Times at RPL max
(C)		2	A03RPLX	Max RPLs posted
(E)	BITSTRING	2	A03VTSOS	VTAM SOS
(10)	HALFWORD	2	A03DOC	Dynamic open count
(12)	HALFWORD	2		Reserved
(14)	FULLWORD	4	A03LUNUM	Current LUs in session
(18)	FULLWORD	4	A03LUHWM	HWM LUs in session
(1C)	FULLWORD	4	A03PSIC	PRSS inquire count
(20)	FULLWORD	4	A03PSNC	PRSS nib count
(24)	FULLWORD	4	A03PSOC	PRSS opndst count
(28)	FULLWORD	4	A03PSUC	PRSS unbind count
(2C)	FULLWORD	4	A03PSEC	PRSS error count
	11		A03END	#*#
	11		A03CLEN	"*-A03LEN" Length of DSECT

Autoinstall statistics A04

```
CONTROL BLOCK NAME = DFHA04DS
DESCRIPTIVE NAME = CICS Autoinstall Statistics.
FUNCTION = This DSECT describes Autoinstall statistics.
       + Shipped remote definition statistics.
     The data described by this DSECT is placed in storage by
    DFHAPST, the statistics module in the AP domain.
    It contains autoinstall statistics.
    The same DSECT describes the system and user copies of the
    statistics. Several copies of the statistics may exist until
    the callers request has been satisified.
LIFETIME = The storage area is created when a request for
    autoinstall global stats is received. It is released when
    the caller has acknowledged receipt of the data .
LOCATION = Caller is passed a pointer to the storage.
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
  DATA AREAS = none
CONTROL BLOCKS = DFHTCTFX TCTVADAT
              DFHTCTFX TCTVADRJ
              DFTTCTTE TCTVADLO
              DFHTCTFX TCTVADPK
              DFHTCTFX TCTVADPX
              DFHTCTFX TCTVADQT
              DFHTCTFX TCTVADQK
DFHTCTFX TCTVADQX
  GLOBAL VARIABLES (Macro pass) = none
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA04DS	Autoinstall statistics (Global)
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A04LEN	Length of data area
	1 1		A04IDE	"0024" Autoinstall global stats mask
(2)	ADDRESS	2	A04ID	Autoinstall global storage id
	1		A04VERS	"X'01'" DSECT version number mask
(4)	CHARACTER	1	A04DVERS	stats version number
(5)	CHARACTER	3		Reserved
(8)	HALFWORD	2	A04VADAT	Total attempts
(A)	HALFWORD	2	A04VADSH	Times setlogon hold issued
(C)	FULLWORD	4	A04VADRJ	Total rejected
(10)	FULLWORD	4	A04VADLO	Total deleted
(14)	HALFWORD	2	A04VADPK	Peak concurrent attempts
(16)	HALFWORD	2	A04VADPX	Times peak reached
(18)	FULLWORD	4	A04VADQT	No. queued logons
(1C)	HALFWORD	2	A04VADQK	Peak of Q'd logons
(1E)	HALFWORD	2	A04VADQX	No. times peak is reached
Ren	note statistics - shipp	oed definition	s	
(20)		4	A04RDINT	Shipped delete interval
(24)		4	A04RDIDL	Shipped delete idle time
(28)	FULLWORD	4	A04SKBLT	Remote terminals built
(2C)	FULLWORD	4	A04SKINS	Remote terminals installed
(30)	FULLWORD	4	A04SKDEL	Remote terminals deleted
(34)	FULLWORD	4	A04TIEXP	Times interval expired
(38)	FULLWORD	4	A04RDREC	# remdels received
(3C)	FULLWORD	4	A04RDISS	# remdels issued
(40)	FULLWORD	4	A04RDDEL	# remdel deletes
(44)	FULLWORD	4	A04CIDCT	Current idle count
(48)	CHARACTER	8	A04CIDLE	Current idle time
(50)	CHARACTER	8	A04CMAXI	Current maximum idle time
(58)	FULLWORD	4	A04TIDCT	Total idle count
(5C)	CHARACTER	8	A04TIDLE	Total idle time
(64)	CHARACTER	8	A04TMAXI	Maximum idle time
	.11. 11		A04END	H±H
	.11. 11		A04CLEN	"*-A04LEN" Length of DSECT

A06 Terminal statistics

```
CONTROL BLOCK NAME = DFHA06DS
DESCRIPTIVE NAME = CICS Terminal Statistics. FUNCTION = This DSECT describes the terminal statistics maintained
         in the AP domain.
         The data represents the statistics maintained for each
         terminal. It is used by DFHAPST to map the data in the
         statistics domain call data buffer. It is also used
by DFHSTUP and user programs to map the same data. 
LIFETIME = Duration of the domain call. 
LOCATION = Caller is passed a pointer to the head of the block.
INNER CONTROL BLOCKS = None
  DEPENDENCIES = S/370
RESTRICTIONS = none
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
   DATA AREAS = None
   CONTROL BLOCKS = DFHTCTTE TCTLENP
                 DFHTCTTE TCTTETI
                 DFHTCTTE TCTTENI
                DFHTCTTE TCTTETO
DFHTCTTE TCTTETE
DFHTCTTE TCTTEOT
                 DFHTCTTE TCTTEOE
                 DFHTCTTE TCTTESVC
                 DFHTCTTE TCTETCNT
                 DFHTCTTE TCTEMCNT
                 DFHTCTTE TCTECCNT
                 DFHTCTTE TCTTETT
DFHTCTTE TCTEAMIB
   GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA06DS	Terminal Stats DSECT (RESID & TOTAL)
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A06LEN	Length of data area
	11.		A06IDR	"34" Terminal RESID stats id mask
	.1.11.		A06IDL	"82" BTAM line stats id mask.
The nex	t field should be load	ded with one o	of the two previous	values
(2)	ADDRESS	2	A06ID	Terminal stats id
	1		A06VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	A06DVERS	Terminal statistics version number
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	4	A06TETI	Terminal id
(C)	BITSTRING	1	A06TETT	Terminal type (cf TCTTTET)
(D)	BITSTRING	1	A06EAMIB	Access method (cf TCTEAMIB)
(E)	CHARACTER	2		Reserved
(10)		4	A06LENP	Number of polls
(14)	BITSTRING	4	A06TENI	Input messages
(18)	BITSTRING	4	A06TENO	Output messages
(1C)	BITSTRING	4	A06TEOT	Number of transactions
(20)	FULLWORD	4	A06CSVC	Storage violations
(24)	BITSTRING	4	A06TETE	Transmission errors
(28)	BITSTRING	4	A06TEOE	Transaction errors
(2C)	FULLWORD	4	A06TCNT	Pipeline messages (Total)
(30)	FULLWORD	4	A06SCNT	Pipeline messages (Groups)
(34)	HALFWORD	2	A06MCNT	Pipeline messages (Max consec)
(36)	HALFWORD	2		Reserved
(38)	CHARACTER	8	A06LUNAM	LU Name
(40)	CHARACTER	1	A06PRTY	Terminal Priority
(41)	CHARACTER	3		Reserved
(44)	FULLWORD	4	A06STG	TIOA Storage
(48)	CHARACTER	4	A06SYSID	Owning SYSID of terminal/session
(4C)	BITSTRING	8	A06ONTM	Autoinstall logon time (Local)
(54)	BITSTRING	8	A06OFFTM	Autoinstall logoff time (Local)
(5C)	BITSTRING	8	A06GONTM	Autoinstall logon time (GMT)
(64)	BITSTRING	8	A06GOFTM	Autoinstall logoff time (GMT)
	.11. 11		A06END	11/211
	.11. 11		A06CLEN	"*-A06LEN" Length of DSECT

80A LSR pool statistics

```
CONTROL BLOCK NAME = DFHA08DS
DESCRIPTIVE NAME = CICS Statistics for LSR Pools.
FUNCTION = This data block describes the LSR Pool Statistics
        for a specified LSR Pool and totals for all pools.
        The data described here is placed in storage by DFHAPST.
        This DSECT is also used by DFHSTUP and user programs to
        to map the statistics block.
LIFETIME = The storage area is created when a request for AP
        domain File Control statistics is received. It is
        released when the caller has acknowledged receipt of
LOCATION = The caller is passed a pointer to the head of the block.
INNER CONTROL BLOCKS = None
NOTES:
 DEPENDENCIES = $/370

RESTRICTIONS = None

MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
  DATA AREAS = None
  CONTROL BLOCKS = DFHFCTSR FCTSRPID
              DFHFCSBK FSCBKCTD
DFHFCSBK FSCBKDTD
               DFHFCSBK FCSBKKYL
               DFHFCSBK FCSBKSTN
               DFHFCSBK FCSBKHSW
               DFHFCSBK FCSBKHAS
               DFHFCSBK FCSBKBSZ
DFHFCSBK FCSBKBFN
               DFHFCSBK FCSBKBFF
               DFHFCSBK FCSBKFRD
               DFHFCSBK FCSBKUIW
               DFHFCSBK FCSBKNUW
  GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA08DS	LSRPOOL statistics (RESID & TOTALS)
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	À08LEN	Length of data area
. ,	1111		A08IDR	"39" LSR pool stats RESID id mask
The next	field should be loade	d with the p	previous value	
(2)	ADDRESS	2	A08ID	LSR pool id
. ,	1		A08VERS	"X'01 ¹ " DSECT version number mask
(4)	CHARACTER	1	A08DVERS	Statistics version number
(5)	CHARACTER	3		Reserved
(8)	ADDRESS	1	A08SRPID	LSR pool number
(9)	BITSTRING	1	A08FLAGS	Flags
	1		A08IDSEP	"X'80'" Separate index and data pools
(A)	CHARACTER	2		Reserved
(C)	CHARACTER	8	A08LBKCD	Time pool created (Local STCK)
(14)	CHARACTER	8	A08LBKDD	Time pool deleted (Local STCK)
(1C)	CHARACTER	8	A08GBKCD	Time pool created (GMT STCK)
(24)	CHARACTER	8	A08GBKDD	Time pool deleted (GMT STCK)
(2C)	HALFWORD	2	A08BKKYL	Max key length
(2E)	HALFWORD	2	A08BKSTN	No. of strings
(30)	HALFWORD	2	A08BKHSW	Peak regs waiting on string
(32)	HALFWORD	2		Reserved
(34)	FULLWORD	4	A08BKTSW	Total No. regs waiting on string
(38)	HALFWORD	2	A08BKHAS	Peak No. conc active FC strings
(3A)	HALFWORD	2		Reserved
(- /	1.11		A08NBS	"11" Number of buffer sizes
(3C)	FULLWORD	4	A08TOBFN_DATA	Total no. of data buffers
(40)	FULLWORD	4	A08TOHBN DATA	Total data hiperspace buffs
(44)	FULLWORD	4	A08TOBFF DATA	Total no. successful look asides
(48)	FULLWORD	4	A08TOFRD DATA	Total no. buffer reads
(4C)	FULLWORD	4	A08TOUIW_DATA	Total no. user initiated writes
(50)	FULLWORD	4	A08TONUW DATA	Total no. non-user initiated writes
(54)	FULLWORD	4	A08TOCRS_DATA	Total no. successful CREAD
(58)	FULLWORD	4	A08TOCWS DATA	Total no. successful CWRITE
(5C)	FULLWORD	4	A08TOCRF DATA	Total no. failing CREAD
(60)	FULLWORD	4	A08TOCWF_DATA	Total no. failing CWRITE
(64)	FULLWORD	4	A08TOBFN_INDX	Total no. of index buffers
(68)	FULLWORD	4	A08TOHBN INDX	Total indx hiperspace buffs
(6C)	FULLWORD	4	A08TOBFF_INDX	Total no. successful look asides
(70)	FULLWORD	4	A08TOFRD_INDX	Total no. buffer reads
(74)	FULLWORD	4	A08TOUIW_INDX	Total no. user initiated writes
(78)	FULLWORD	4	A08TONUW INDX	Total no. non-user initiated writes
(7C)	FULLWORD	4	A08TOCRS_INDX	Total no. successful CREAD
(80)	FULLWORD	4	A08TOCWS_INDX	Total no. successful CWRITE
(00)	. JLLWOND	7		Total no. Gassossial Official

Offset Hex	Туре	Len	Name (Dim)	Description
(84)	FULLWORD	4	A08TOCRF_INDX	Total no. failing CREAD
(88)	FULLWORD	4	A08TOCWF_INDX	Total no. failing CWRITE
	1 11		A08END	#±#
	1 11		A08CLEN	"*-A08LEN" Length of common part of DSECT
(8C)	CHARACTER	1	A08BSTAT	Buffer size statistics for data and index buffers
(8C)			A08DLEN	"*-A08LEN" Length of DSECT

The following DSECT is repeated for each buffer size in the pool. If separate index and data buffers are NOT being used, there will be A08NBS repeats of this DSECT, one for each buffer. If separate data and index buffers are being used (A08IDSEP flag set) there will be A08NBS 2 repeats of this DSECT (A08NBS for the data buffers followed by A08NBS for the index buffers).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			A08BSSDS	Statistics by buffer size
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	ADDRESS	2	A08BKBSZ	Buffer size
(2)	HALFWORD	2	A08BKBFN	No. of buffers
(4)	FULLWORD	4	A08BKHBN	No. of hiperspace buffers
(8)	FULLWORD	4	A08BKBFF	No. successful look asides
(C)	FULLWORD	4	A08BKFRD	No. buffer reads
(10)	FULLWORD	4	A08BKUIW	No. user initiated buffer writes
(14)	FULLWORD	4	A08BKNUW	No. non-user initiated buffer writes
(18)	FULLWORD	4	A08BKCRS	No. successful CREAD
(1C)	FULLWORD	4	A08BKCWS	No. successful CWRITE
(20)	FULLWORD	4	A08BKCRF	No. failing CREAD
(24)	FULLWORD	4	A08BKCWF	No. failing CWRITE
	1. 1		A08BEND	"*" End of Buffer stats
	1. 1		A08BLEN	"*-A08BSSDS" Length of stats for a buffer size

A09 File specific statistics

```
CONTROL BLOCK NAME = DFHA09DS
DESCRIPTIVE NAME = CICS File specific Statistics for
            LSR Pools.
FUNCTION = This data block describes the LSR Pool file related
       Statistics for a specified LSR Pool and totals for all
       files in the pool.
       The data described here is placed in storage by DFHAPST.
       This DSECT is also used by DFHSTUP and user programs to
       to map the statistics block.
LIFETIME = The storage area is created when a request for AP
       domain Transient data statistics is received. It is
       released when the caller has acknowledged receipt of the
LOCATION = The caller is passed a pointer to the head of the block.
INNER CONTROL BLOCKS = None
NOTES :
  DEPENDENCIES = S/370
  RESTRICTIONS = None
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
  DATA AREAS = None
CONTROL BLOCKS = DFHFCTDS FCTDSDBN
              DFHFCTDS FCTDSID
              DFHFCTDS FCTDSIBN
              DFHFCTDS FCTDSCBW
              DFHFCTDS FCTDSHBW
              DFHFCTDS FCTDSTBW
  GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description			
(0) (0)	FULLWORD	4 2	DFHA09DS (0)	LSRPOOL statistics (File specifics) Fullword alignment			
(0)	HALFWORD 1. 1 1. 11	2	A09LEN A09IDR A09IDT	Length of data area "40" LSR pool file stats RESID id mask "41" LSR pool file stats TOTALS id mask			
The next field should be loaded with one of the two previous values							
(2)	ADDRESS	2	A09ID A09VERS	LSR pool id "X'01" DSECT version number mask			
(4)	CHARACTER	1	A09DVERS	Statistics version number			
(5) (8)	CHARACTER HALFWORD	3 2	A09SRPID	Reserved LSR pool number			
(A)	CHARACTER	8	A09DSID	Filename			
(12) (14)	HALFWORD HALFWORD	2 2	A09DBN A09IBN	Data buffer size Index buffer size			
(16)	HALFWORD	2		Reserved			
If this is a totals record only the next field contains data							
(18)	FULLWORD	4	A09TBW	Total buffer waits			
(1C)	HALFWORD1 111.	2	A09HBW A09END	Highest buffer waits			
	1 111.		A09CLEN	"*-A09LEN" Length of DSECT			

A14 ISC/IRC statistics

```
CONTROL BLOCK NAME = DFHA14DS
DESCRIPTIVE NAME = CICS ISC/IRC Statistics - system entries.
FUNCTION = This DSECT describes ISC/IRC statistics.
    The data described by this DSECT is placed in storage by
    DFHSTLK, the statistics module in the AP domain.
    It contains IRC Batch statistics.
    The same DSECT describes the system and user copies of the
    statistics. Several copies of the statistics may exist until
    the callers request has been satisified.
    Mode entry statistics are described in the DFHA20DS DSECT.
LIFETIME = The storage area is created when a request for
    ISC/IRC Stats is received. It is released
    when the caller has acknowledged receipt of the data .
LOCATION = Caller is passed a pointer to the storage.
INNER CONTROL BLOCKS = none
NOTES:
 DEPENDENCIES = S/370
 RESTRICTIONS = none
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
  DATA AREAS = none
CONTROL BLOCKS = DFHTCTTE TCTTETI
             DFHTCTTE TCSEALL
             DFHTCTTE TCSESALL
             DFHTCTTE TCSEBID
             DFHTCTTE TCSESTAM
             DFHTCTTE TCSE1HWM
             DFHTCTTE TCSE2HWM
            DFHTCTTE TCSEBHWM
DFHTCTTE TCSES1
             DFHTCTTE TCSES2
             DFHTCTTE TCSESBID
             DFHTCTTE TCSESTAS
             DFHTCTTE TCSESTAQ
             DFHTCTTE TCSESTAF
DFHTCTTE TCSESTAO
             DFHTCTTE TCSESTFC
             DFHTCTTE TCSESTIC
             DFHTCTTE TCSESTTD
             DFHTCTTE TCSESTTS
             DFHTCTTE TCSESTDL
             DFHTCTTE TCSESTTC
             DFHTCTTE TCSEALRJ
             DFHTCTTE TCSEQPCT
             DFHTCTTE TCSEMXQT
             DFHTCTTE TCSEALIM
             DFHTCTTE TCSEMQPC
             DFHTCTTE TCSEZQRJ
             DFHTCTTE TCSEZQPU
             DFHTCTTE TCSEZQPC
             DFHTCTTE TCSESID
             DFHTCTTE TCSACCM
             DFHTCTTE TCSEFLGS
             DFHTCTTE TCSESECN
             DFHTCTTE TCSEPRMN
             DFHTCTTE TCSE1RY
             DFHTCTTE TCSE2RY
  GLOBAL VARIABLES (Macro pass) = none
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA14DS	ISC/IRC statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A14LEN	Length of data area
	11 .1		A14IDR	"0052" ISC/IRC RESID stats mask
	11 .1.1		A14IDT	"0053" ISC/IRC Stats Totals Mask
The next	t field should be loade	ed to one of	the two previous values	
(2)	ADDRESS	2	A14ID	ISC/IRC id
	1		A14VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	A14DVERS	ISC/IRC stats version number
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	4	A14CNTN	Connection name
(C)	HALFWORD	2	A14EALL	Aids in chain
(E)	HALFWORD	2	A14ESALL	Generic AIDS in chain
(10)	HALFWORD	2	A14EBID	Current bids
(12)	HALFWORD	2	A14ESTAM	Max outstanding allocates
(14)	HALFWORD	2	A14E2HWM	Max secondaries
(16)	HALFWORD	2	A14EBHWM	Max bids
(18)	FULLWORD	4	A14ES1	ATIs satisfied by primaries

Offset Hex	Туре	Len	Name (Dim)	Description	
(1C)	FULLWORD	4	A14ES2	ATIs satisfied by secondaries	
(20)	FULLWORD	4	A14ESBID	Bids sent	
(24)	FULLWORD	4	A14ESTAS	Total allocates	
(28)	FULLWORD	4	A14ESTAQ	Queued allocates	
(2C)	FULLWORD	4	A14ESTAF	Failed link allocates	
(30)	FULLWORD	4	A14ESTAO	Failed - other reasons	
(34)	FULLWORD	4	A14ESTFC	File control function shipping reqs	
(38)	FULLWORD	4	A14ESTIC	Intv control function shipping reqs	
(3C)	FULLWORD	4	A14ESTTD	TD function shipping reqs	
(40)	FULLWORD	4	A14ESTTS	TS function shipping reqs	
(44)	FULLWORD	4	A14ESTDL	DL/I function shipping reqs	
(48)	FULLWORD	4	A14ESTTC	Terminal sharing reqs	
(4C)	HALFWORD	2	A14E1HWM	Max primaries	
(4E)	HALFWORD	2	A14EQPCT	MAXQTIME purge count	
(50)	FULLWORD	4	A14EALRJ	Allocates rejected (QLIMIT)	
(54)	HALFWORD	2	A14EMXQT	Max queue time	
(56)	HALFWORD	2	A14EALIM	Allocate queue limit	
(58)	FULLWORD	4	A14EZQRJ	XZIQUE rejects	
(5C)	HALFWORD	2	A14EZQPU	XZIQUE purge count	
(5E)	HALFWORD	2	A14EZQPC	XZIQUE allocates purged	
(60)	HALFWORD	2	A14EMQPC	MAXQTIME allocates purged	
(62)	CHARACTER	6		Reserved	
(68)	DBL WORD	8	A14GACT	AI GMT conn create time	
(70)	DBL WORD	8	A14AICT	Al conn create time	
(78)	DBL WORD	8	A14GADT	AI GMT conn delete time	
(80)	DBL WORD	8	A14AIDT	Al conn delete time	
(88)	FULLWORD	4		Reserved	
(8C)	CHARACTER	8	A14ESID	Connection netname	
(94)	BITSTRING	1	A14ACCM	Access method	
(95)	BITSTRING	1	A14EFLGS	Protocol	
(96)	HALFWORD	2	A14ESECN	Send session count	
(98)	HALFWORD	2	A14EPRMN	Receive session count	
(9A)	HALFWORD	2	A14E1RY	Primaries currently used	
(9C)	HALFWORD	2	A14E2RY	Secondaries currently used	
(9E)	CHARACTER	2	44450750	Reserved	
(A0)	FULLWORD	4	A14ESTPC	Program Control funct ship reqs	
	1.11		A14END		
	1.11		A14CLEN	"*-A14LEN" Length of DSECT	
Equates	for testing A14ACCN	I. (Access M	· · · · · · · · · · · · · · · · · · ·		
	1		A14VTAM	"1"	
	1.		A14IRC	"2"	
	11		A14XM	"3"	
1 A14XCF "4"					
Equates	for testing A14EFLG	S. (Protocol)			
	1		A14APPC	"1"	
	1.		A14LU61	"2"	
	11		A14EXCI	"3"	

A16 Table manager statistics

```
CONTROL BLOCK NAME = DFHA16DS
DESCRIPTIVE NAME = CICS Statistics for Table manager FUNCTION = This data block describes the global table manager
         Statistics.
         The data described here is placed in storage by DFHAPST
         This DSECT is also used by DFHSTUP and user programs to
         to map the statistics block.
LIFETIME = The storage area is created when a request for AP domain Table manager statistics is received. It is
        released when the caller has acknowledged receipt of the
LOCATION = The caller is passed a pointer to the head of the block.
INNER CONTROL BLOCKS = None
NOTES:
  DEPENDENCIES = $/370

RESTRICTIONS = None

MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
   DATA AREAS = None
   CONTROL BLOCKS = DFHTMSKT SKTNUMDS
                DFHTMSKT SKTLNTH
DFHTMSKT SKTINFO
                DFHTMSSA TMNDESG
   GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA16DS	Table manager statistics (GLOBAL)
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A16LEN	Length of data area
	11 1111		A16IDE	"63" Table manager stats id mask
(2)	ADDRESS	2	A16ID	Table manager id
	1.		A16VERS	"X'02" DSECT version number mask
(4)	CHARACTER	1	A16DVERS	Statistics version number
(5)	CHARACTER	3		Reserved
	11		A16NTAB	"17" Number of tables
	1		A16END	"*"
	1		A16CLEN	"*-A16LEN" Length of DSECT

The following section is repeated for each of the 17 tables

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			A16STATS	Stats for each table
(0)	CHARACTER	4	A16TNAM	Table name
(4)	FULLWORD	4	A16TSIZE	Table size
	1		A16SEND	###
	1		A16SCLEN	"*-A16STATS" Length of DSECT

A17 File control statistics

```
CONTROL BLOCK NAME = DFHA17DS
DESCRIPTIVE NAME = CICS File control Statistics
FUNCTION = This DSECT describes File Control statistics.
     The data described by this DSECT is placed in storage by
     DFHAPST, the statistics module in the AP domain.
     It contains File Control statistics.
     The same DSECT describes the system and user copies of the
     statistics. Several copies of the statistics may exist until
     the callers request has been satisified.
LIFETIME = The storage area is created when a request for
     file control global stats is received. It is released when
     the caller has acknowledged receipt of the data .
LOCATION = Caller is passed a pointer to the storage.
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = DFHFCTDS FCTDSRD
              DFHFCTDS FCTDSGU
              DFHFCTDS FCTDSBR
              DFHFCTDS FCTDSWRA
               DFHFCTDS FCTDSWRU
               DFHFCTDS FCTDSDEL
              DFHFCTDS FCTRMDEL
              DFHFCTDS FCTDSXCP
  DFHFCTDS FCTDSIXP
GLOBAL VARIABLES (Macro pass) = none
                         CHAR(8)
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA17DS	File control statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A17LEN	Length of data area
. ,	.111		A17IDR	"0067" File control stats mask
The nex	t field should be load	ed with the p	previous value.	
(2)	ADDRESS	2	A17ID	File control id
	1		A17VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	A17DVERS	File stats version number
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	8	A17FNAM	File name
(10)	CHARACTER	1	A17FLOC	Set to "R" if remote
(11)	CHARACTER	1	A17DT	Set to "R","S","T","L","K" or "X" if data table fields present
	11.1 11		A17DTRMT	"C'R'" Table fields for remote table
	1111.		A17DTASS	"C'S" Table fields for associated file
	11111		A17DTPRS	"C'T'" SDT fields present
	11.111		A17DTCFL	"C'L' Coupling Facility data table fields present(locking model)
	11.11.		A17DTCFC	"C'K'" Coupling Facility data table fields present(contention model)
	111111		A17DTAIX	"C'X" Table fields for updates via AIX
(12)	CHARACTER	1	A17DSRLS	RLS/Non-RLS Indicator "R" = RLS mode blank = non-RLS mode
` ,	11.1 11		A17RLS	"C'R'" RLS file
	.1		A17NORLS	"C' '" non-RLS file
(13)	CHARACTER	5		Reserved
(18)		4	RESFLD1	Reserved
(1C)		4	RESFLD2	Reserved
(20)	CHARACTER	44	A17DSNAM	Dataset name
(4C)	FULLWORD	4	A17DSRD	GET requests
(50)	FULLWORD	4	A17DSGU	GET update requests
(54)	FULLWORD	4	A17DSBR	BROWSE requests
(58)	FULLWORD	4	A17DSWRA	ADD requests
(5C)	FULLWORD	4	A17DSWRU	UPDATE requests
(60)	FULLWORD	4	A17DSDEL	DELETE requests local
(64)	FULLWORD	4	A17RMDEL	DELETE requests remote
(68)	FULLWORD	4	A17DSXCP	VSAM EXCP requests - data
(6C)	FULLWORD	4	A17DSIXP	VSAM EXCP requests - index
(70)	FULLWORD	4	A17DSTSW	Wait on string total
(74)	HALFWORD	2	A17DSHSW	Wait on string local Wait on string highest
(76)	HALFWORD	2	ATTOOLIOW	Reserved
(78)	CHARACTER	1	A17DTTYP	Set to "C","S","U","X","L" or "K" for close
(70)	1111		A17DTTC	"C'C" CICS maintained table close
	1111.		A17DTTS	"C'S" USER table source close
	11.1 .111		A17DTTS A17DTTP	
	1111			"C'P" CICS table partial close
	11.111		A17DTTU	"C'L" USER maintained table close "C'L' Coupling Facility table close @L8C (locking model)
	11.111		A17DTTL	
(70)		2	A17DTTK	"C'K" Coupling Facility table close (contention model)
(79)	CHARACTER	3		Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
(7C)	FULLWORD	4	A17DTRDS	Read/browse requests
(80)	FULLWORD	4	A17DTRNF	Source reads issued
(84)	FULLWORD	4	A17DTAVR	ADDs resulting from READs
(88)	FULLWORD	4	A17DTADS	ADD requests
(8C)	FULLWORD	4	A17DTARJ	ADDs rejected by exit
(90)	FULLWORD	4	A17DTATF	ADDs when table full
(94)	FULLWORD	4	A17DTRWS	REWRITE requests
(98)	FULLWORD	4	A17DTDLS	DELETE requests
(9C)	FULLWORD	4	A17DTSHI	Highest table record count
(A0)	FULLWORD	4	A17DTSIZ	Current table record count
(A4)	FULLWORD	4	A17DTALT	Storage allocated - total (KB)
(A8)	FULLWORD	4	A17DTUST	Storage in-use - total (KB)
(AC)	FULLWORD	4	A17DTALE	Storage allocated - entries (KB)
(B0)	FULLWORD	4	A17DTUSE	Storage in-use - entries (KB)
(B4)	FULLWORD	4	A17DTALI	Storage allocated - index (KB)
(B8)	FULLWORD	4	A17DTUSI	Storage in-use - index (KB)
(BC)	FULLWORD	4	A17DTALD	Storage allocated - data (KB)
(C0)	FULLWORD	4	A17DTUSD	Storage in-use - data (KB)
(C4)	FULLWORD	4	A17DTRRS	Read Retries for a SDT
(C8)	HALFWORD	2	A17DSDNB	No Buffers - Data
(CA)	HALFWORD	2	A17DSINB	No Buffers - Index
(CC)	BITSTRING	1	A17POOL	LSRPOOL Id
(CD)	BITSTRING	1		Reserved
(CE)	HALFWORD	2	A17STRNO	No Strings
(D0)	CHARACTER	8	A17RNAME	Remote Name
(D8)	CHARACTER	4	A17RSYS	Remote Sysid
(DC)	CHARACTER	1	A17DSTYP	Dataset Type
(DD)	CHARACTER	3		Reserved
(E0)	CHARACTER	44	A17BDSNM	Base Dataset Name
(10C)	HALFWORD	2	A17DSASC	No Active Strings
(10E)	HALFWORD	2	A17DSASW	No String Waits
(110)	CHARACTER	8	A17LOPNT	File open time (Local STCK)
(118)	CHARACTER	8	A17LCLST	File close time (Local STCK)
(120)	CHARACTER	8	A17GOPNT	File open time (GMT STCK)
(128)	CHARACTER	8	A17GCLST	File close time (GMT STCK)
(130)	FULLWORD	4	A17DSBRU	Browse for update count
(134)	FULLWORD	4	A17RLSWT	RLS request wait timeouts
(138)	FULLWORD	4	A17DTCON	Number of CHANGED responses for a CFDT using contention, number of lock waits for a CFDT using locking.
(13C)	CHARACTER	8	A17DTCFP	Coupling Facility Data Table Pool Name
(144)	FULLWORD	4	A17DTLDS	Number of LOADING responses
(144)			A17END	H+H
(144)			A17CLEN	"*-A17LEN" Length of DSECT

A20 ISC/IRC mode entry statistics

```
CONTROL BLOCK NAME = DFHA20DS
DESCRIPTIVE NAME = CICS ISC/IRC Statistics - mode entries.
FUNCTION = This DSECT describes ISC/IRC mode entry statistics.
    The data described by this DSECT is placed in storage by
    DFHSTLK, the statistics module in the AP domain.
    It contains IRC mode entry statistics.
    The same DSECT describes the system and user copies of the
    statistics. Several copies of the statistics may exist until
    the callers request has been satisified.
    System entry statistics are described in the DFHA14DS DSECT.
LIFETIME = The storage area is created when a request for ISC/IRC
    mode entry stats is received. It is released
    when the caller has acknowledged receipt of the data .
LOCATION = Caller is passed a pointer to the storage.
INNER CONTROL BLOCKS = none
NOTES:
 DEPENDENCIES = S/370
 RESTRICTIONS = none
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
  DATA AREAS = none
CONTROL BLOCKS = DFHTCTTE TCMEBID
             DFHTCTTE TCMESTAM
             DFHTCTTE TCME1HWM
             DFHTCTTE TCME2HWM
             DFHTCTTE TCMEBHWM
             DFHTCTTE TCMES1
             DFHTCTTE TCMES2
             DFHTCTTE TCMESSID
DFHTCTTE TCMESTAS
             DFHTCTTE TCMESTAQ
             DFHTCTTE TCMESTAF
             DFHTCTTE TCMESTAG
             DFHTCTTE TCMESTAP
             DFHTCTTE TCMESTAO
DFHTCTTE TCMESTFC
             DFHTCTTE TCMESTIC
             DFHTCTTE TCMESTTD
             DFHTCTTE TCMESTTS
             DFHTCTTE TCMESTDL
             DFHTCTTE TCMESTTC
             DFHTCTTE TCMEMODE
             DFHTCTTE TCTETTI
             DFHTCTTE TCMEZQPC
             DFHTCTTE TCMELMAX
             DFHTCTTE TCMEMCON
             DFHTCTTE TCMEMAXS
             DFHTCTTE TCMECONW
             DFHTCTTE TCMECONL
             DFHTCTTE TCME1RY
             DFHTCTTE TCME2RY
  GLOBAL VARIABLES (Macro pass) = none
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA20DS	ISC/IRC mode entry statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A20LEN	Length of data area
. ,	.1 11		A20IDR	"0076" ISC/IRC RESID mode entry stats mask
	.1 11.1		A20IDT	"0077" ISC/IRC Stats Totals mask
The next	t field should be loade	ed to one of	the two previous valu	es
(2)	ADDRESS	2	A20ID	ISC/IRC mode entry id
	1		A20VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	A20DVERS	ISC/IRC mode entry stats vers No.
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	4	A20SYSN	System name
(C)	CHARACTER	8	A20MODE	Mode name
(14)	HALFWORD	2	A20ESTAM	Max outstanding allocates
(16)	HALFWORD	2	A20E2HWM	Max secondaries
(18)	HALFWORD	2	A20EBHWM	Max bids
(1A)	HALFWORD	2	A20E1HWM	Peak contention losers
(1C)	FULLWORD	4	A20ES1	ATIs satisfied by primaries
(20)	FULLWORD	4	A20ES2	ATIs satisfied by secondaries
(24)	FULLWORD	4	A20ESBID	Bids sent
(28)	FULLWORD	4	A20ESTAS	Total allocates
(2C)	FULLWORD	4	A20ESTAQ	Queued allocates
(30)	FULLWORD	4	A20ESTAF	Failed link allocates
(34)	FULLWORD	4	A20ESTAO	Failed - other reasons
(38)	FULLWORD	4	A20ESTAG	Generic allocates

Offset Hex	Туре	Len	Name (Dim)	Description
(3C)	FULLWORD	4	A20ESTAP	Specific allocates
(40)	HALFWORD	2	A20EBID	Current bids
(42)	HALFWORD	2	A20EQPCT	XZIQUE purge count
(44)	HALFWORD	2	A20EZQPC	XZIQUE allocates purged
(46)	HALFWORD	2	A20ELMAX	Max session count
(48)	HALFWORD	2	A20EMCON	Max contention winners acceptable
(4A)	HALFWORD	2	A20EMAXS	Current Max session count
(4C)	HALFWORD	2	A20ECONW	Current CNOS contention winners
(4E)	HALFWORD	2	A20ECONL	Current CNOS contention losers
(50)	HALFWORD	2	A20E1RY	Primaries currently used
(52)	HALFWORD	2	A20E2RY	Secondaries currently used
	.1.1 .1		A20END	11*11
	.1.1 .1		A20CLEN	"*-A20LEN" Length of DSECT

A21 ISC LUIT & sna management statistics

CONTROL BLOCK NAME = DFHA21PS DESCRIPTIVE NAME = CICS/ESA ISC statistics - LUIT management FUNCTION = This copybook describes ISC statistics associated with Persistent Verification and management of entries in the LUIT tables. The data described by this copybook is placed in storage by DFHSTLK, one of the statistics modules in the AP Domain. The same copybook describes the system and user copies of the statistics. Several copies of the statistics may exist in the system until the caller's request has been satisfied. LIFETIME = The storage area is created when a request for ISC stats is received. It is released when the caller has ackowledged receipt of the data. LOCATION = Caller is passed a pointer to the storage INNER CONTROL BLOCKS = none NOTES: DEPENDENCIES = S/370 RESTRICTIONS = none MODULE TYPE = Control block definition EXTERNAL REFERENCES = none DATA AREAS = none
CONTROL BLOCKS = DFHCSAPS CSA_LTIME DFHSNSTA LUIT_TOTAL_REUSES
DFHSNSTA LUIT_TOTAL_TIMEOUTS
DFHSNSTA LUIT_AV_REUSE_TIME GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	36	DFHA21PS	ISC Statistics
(0)	HALFWORD	2	A21_STATS_LENGTH	Length of data area
(2)	HALFWORD	2	A21_STATS_ID	Statistics id
(4)	UNSIGNED	1	A21_STATS_ VERSION	Stats version number
(5)	UNSIGNED	3	*	Reserved
(8)	UNSIGNED	2	*	Reserved
(A)	HALFWORD	2	A21_SIT_ LUIT_TIME	Delay time for LUIT table
(C)	FULLWORD	4	*	Reserved
(10)	FULLWORD	4	*	Reserved
(14)	FULLWORD	4	*	Reserved
(18)	FULLWORD	4	A21_LUIT_ TOTAL_REUSES	Total number of entries * * reused in LUIT table
(1C)	FULLWORD	4	A21_LUIT_ TOTAL TIMEOUTS	Total number of entities — reused in Lott table
(20)	FULLWORD	4	A21_LUIT_ AV_REUSE_TIME	Total number of entries * * timed out in LUIT table
				Average reuse time between * * entries in the LUIT table

Constants

Len	Type	Value	Name	Description
1	HEX	01	A21_STATS_ DCL_VERSION	Version number
2	DECIMAL	54	A21_STATS_ DCL_RESID	stats id (RESID)

Fepi pool statistics **A22**

```
CONTROL BLOCK NAME = DFHA22DS
DESCRIPTIVE NAME = CICS FEPI pool statistics
FUNCTION =
    This data block describes the block of storage containing
    the statistics for a FEPI pool.
    The data described by this DSECT is placed in storage by
    \label{eq:definition} \mbox{DFHAPST, the statistics module in the AP domain.}
    The same DSECT describes the system and user copies of the
    statistics. Several copies of the statistics may exist until
    the callers request has been satisified.
LIFETIME = The storage area is created when a request for
    FEPI pool stats is received. It is released when
    the caller has acknowledged receipt of the data .
STORAGE CLASS =
LOCATION = Caller is passed a pointer to the storage.
INNER CONTROL BLOCKS = none
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = in the FEPI RM
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHA22DS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA22DS	FEPI pool statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A22LEN	Length of data area
	1		A22IDR	"0016" FEPI pool RESID stats mask
(2)	ADDRESS	2	A22ID	FEPI pool id
	1		A22VERS	"X'01'" DSECT version number
(4)	CHARACTER	1	A22DVERS	Pool statistics version number
(5)	CHARACTER	3		Filler
(8)	CHARACTER	8	A22POOL	Pool name
(10)	FULLWORD	4	A22TRGCT	# targets
(14)	FULLWORD	4	A22NDCT	# nodes
(18)	FULLWORD	4	A22CONCT	# connections
(1C)	FULLWORD	4	A22CONPK	Peak # connections
(20)	FULLWORD	4	A22ALLOC	# conversation allocates
(24)	FULLWORD	4	A22PKALL	Peak # concurrent allocates
(28)	FULLWORD	4	A22WAIT	Current # allocates waiting
(2C)	FULLWORD	4	A22TOTWT	Total # allocates waited
(30)	FULLWORD	4	A22PKWT	Peak # allocates waiting
(34)	FULLWORD	4	A22TIOUT	# allocates that timed out
	11 1		A22END	#*#
	11 1		A22CLEN	"*-A22LEN" Length of DSECT

A23 Fepi connection statistics

```
CONTROL BLOCK NAME = DFHA23DS
DESCRIPTIVE NAME = CICS FEPI connection statistics
FUNCTION =
     This data block describes the block of storage containing
    the statistics for a FEPI connection.
     The data described by this DSECT is placed in storage by
     DFHAPST, the statistics module in the AP domain.
     The same DSECT describes the system and user copies of the
     statistics. Several copies of the statistics may exist until
    the callers request has been satisified.
LIFETIME = The storage area is created when a request for
     FEPI connection stats is received. It is released when
    the caller has acknowledged receipt of the data .
STORAGE CLASS =
LOCATION = Caller is passed a pointer to the storage. INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
   DATA AREAS = none
   CONTROL BLOCKS = in the FEPI RM
   GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHA23DS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHA23DS	FEPI connection statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A23LEN	Length of data area
	11		A23IDR	"0017" FEPI connection RESID stats mask
(2)	ADDRESS	2	A23ID	FEPI connection id
	1		A23VERS	"X'01'" DSECT version number
(4)	CHARACTER	1	A23DVERS	Connection statistics version number
(5)	CHARACTER	3		Filler
(8)	CHARACTER	8	A23POOL	Pool name
(10)	CHARACTER	8	A23TARG	Target name
(18)	CHARACTER	8	A23NODE	Node name
(20)	FULLWORD	4	A23ACQ	# acquires for connection
(24)	FULLWORD	4	A23CNV	# conversations
(28)	FULLWORD	4	A23USI	# unsolicited inputs received
(2C)	FULLWORD	4	A23CHOUT	# characters sent on connection
(30)	FULLWORD	4	A23CHIN	# characters received on connection
(34)	FULLWORD	4	A23RTOUT	# receive timeouts
(38)	FULLWORD	4	A23ERROR	# error conditions
	11 11		A23END	# * #
	11 11		A23CLEN	"*-A23LEN" Length of DSECT

A24 Fepi target statistics

```
CONTROL BLOCK NAME = DFHA24DS
DESCRIPTIVE NAME = CICS FEPI target statistics
FUNCTION =
    This data block describes the block of storage containing
    the statistics for a FEPI target.
     The data described by this DSECT is placed in storage by
    DFHAPST, the statistics module in the AP domain.
    The same DSECT describes the system and user copies of the
    statistics. Several copies of the statistics may exist until
    the callers request has been satisified.
LIFETIME = The storage area is created when a request for
    FEPI target stats is received. It is released when
    the caller has acknowledged receipt of the data .
STORAGE CLASS =
LOCATION = Caller is passed a pointer to the storage. INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = in the FEPI RM
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHA24DS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHA24DS	FEPI target statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	A24LEN	Length of data area
	11.		A24IDR	"0018" FEPI target RESID stats mask
(2)	ADDRESS	2	A24ID	FEPI target id
	1		A24VERS	"X'01" DSECT version number
(4)	CHARACTER	1	A24DVERS	Target statistics version number
(5)	CHARACTER	3		Filler
(8)	CHARACTER	8	A24TARG	Target name
(10)	CHARACTER	8	A24POOL	Pool name
(18)	CHARACTER	8	A24APPL	Applid
(20)	FULLWORD	4	A24NDCT	# nodes
(24)	FULLWORD	4	A24ALLOC	# conversation allocates
(28)	FULLWORD	4	A24TOTWT	Total # allocates waited
(2C)	FULLWORD	4	A24WAIT	Current # allocates waiting
(30)	FULLWORD	4	A24PKWT	Peak # allocates waiting
(34)	FULLWORD	4	A24TIOUT	# allocates that timed out
	11 1		A24END	!!★!!
	11 1		A24CLEN	"*-A24LEN" Length of DSECT

BRARC Brxa definition

This is the description of the BRXA passed to the Bridge Exit as

The BRXA header contains the following fields:

BRXA_HEADER_EYECATCHER

An eyecatcher to identify the area as an BRXA. This is

initialised by CICS to the value BRXA_HEADER_EYE ('>BRAREA '),

which is defined in the DFHBRACx copy book.

BRXA_HEADER_LENGTH

The length of the header.

BRXA_HEADER_VERSION_NO

The version number of the BRXA. This allows future releases to

extend the BRXA. This is initialised by CICS to

brxa_current_version_no.

BRXA_TRANSACTION_AREA_PTR

The address of the BRXA_TRANSACTION_AREA, which contains

information relating to the Bridge Transaction and the User

Transaction. This will be set by CICS, and should not be

modified by the Bridge or LT Exit code.

BRXA_TRANSACTION_AREA_LEN

The length of the BRXA_TRANSACTION_AREA. This will be set by

CICS, and should not be modified by the Bridge or LT Exit code.

BRXA COMMAND AREA PTR

The address of the BRXA_COMMAND_AREA, which contains information

relating to the command causing the Bridge Exit to be driven.

This will be set by CICS, and should not be modified by the

Bridge Exit code.

BRXA_COMMAND_AREA_LEN

The length of the BRXA_COMMAND_AREA. This will be set by CICS,

and should not be modified by the Bridge or LT Exit code. BRXA_USER_AREA_PTR

A user field which allows the address of a user area to be saved

across Bridge Exit calls within a task. The user area should be

obtains using an EXEC CICS GETMAIN.

BRXA_USER_AREA_LEN

A user fields which can be used to save the length of the user area. TRANSACTION.

BRXA_INPUT_MSG_PTR A field used to save the address of an input message. This field

is intended to be used in conjunction with a formatter.

BRXA_INPUT_MSG_LEN A field used to save the current length of the input message.

BRXA OUTPUT MSG PTR

A field used to save the address of an output message. This

field is intended to be used in conjunction with a formatter.

BRXA_OUTPUT_MSG_LEN

A field used to save the current length of the output message.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	56	BRXA_HEADER	
(0)	CHARACTER	8	BRXA_HEADER_	
			EYECATCHER	
(8)	FULLWORD	4	BRXA_HEADER_ LENGTH	
(C)	UNSIGNED	4	BRXA_HEADER_	
			VERSION_NO	
(10)	ADDRESS	4	BRXA_TRANSACTION_	
			AREA_PTR	
(14)	FULLWORD	4	BRXA_TRANSACTION_	
			AREA_LEN	
(18)	ADDRESS	4	BRXA_COMMAND_	
			AREA_PTR	
(1C)	FULLWORD	4	BRXA_COMMAND_	
			AREA_LEN	
(20)	ADDRESS	4	BRXA_USER_ AREA_PTR	
(24)	FULLWORD	4	BRXA_USER_ AREA_LEN	
ne	w for CTS 1.3			
(28)	ADDRESS	4	BRXA INPUT MSG PTR	
(2C)	FULLWORD	4	BRXA_INPUT_ MSG_LEN	
(30)	ADDRESS	4	BRXA_OUTPUT_ MSG_PTR	
(34)	FULLWORD	4	BRXA_OUTPUT_ MSG_LEN	

The BRXA transaction area contains information about the invoking Bridge transaction and the linked to transaction. This area is not meaningful when executing within the Bridge transaction and should not be referenced there. This information is completed by CICS for each invocation of the Bridge Exit. The transaction area contains the following information: BRXA_ TRAN_AREA_ EYECATCHER An eyecatcher to identify the area as an BRXA Transaction Area. This will be set by CICS, before passing control to the Bridge Exit, to the value BRXA_ TRAN_AREA_ EYE ('>BRTRANA'), which is defined in the DFHBRACx copy book. BRXA BRIDGE TRANID The transaction id of the Bridge Transaction. BRXA_TRANID The transaction id of the user transaction. BRXA_ NEXTTRANID The transaction id of the next transaction. BRXA_ ABEND CODE If the User Transaction abends, then the abend code is placed here. If the transaction hasn't abended this field is blanks. BRXA_ CALLING_PROG The name of the program in the User Transaction which issued the command causing the Bridge Exit to be invoked. For the $\ensuremath{\mathsf{BRXA}}\xspace_{\ensuremath{\mathsf{INIT}}}$, $\ensuremath{\mathsf{BRXA}}\xspace_{\ensuremath{\mathsf{BIND}}}$, $\ensuremath{\mathsf{BRXA}}\xspace_{\ensuremath{\mathsf{INIT}}}$ and $\ensuremath{\mathsf{BRXA}}\xspace_{\ensuremath{\mathsf{ABEND}}}$ calls this fields is set to blanks. BRXA_USERID specifies the userid under whose authority the Linked Transaction is to run. BRXA_STARTCODE specifies the type of method which would normally be used to start this transaction. This value is returned in the assign command, but has no other effect on processing. The following values are allowed: START command without data SD START command with data TD Terminal Input (this is the default value) If an invalid value is specified the value TD is assumed. On invocation of the Bridge Exit for TERM and ABEND processing, this field contains the start code appropriate to the BRXA_ NEXTTRANID value. BRXA_ LOAD_ADS_ DESCRIPTOR If this one character field is set to 'Y' by the Bridge Transaction, then for BMS SEND MAP and RECEIVE MAP, CICS will load the mapset and locate the ADS descriptor for the map, and the address of this descriptor will be passed to the LT exit in the command area. The format of this descriptor is defined in ADS_ descriptor. If this field has any value other than 'Y', then CICS will not attempt to load the mapset and locate the descriptor, and brxa_ ADS_descriptor_ ptr will be set to null. BRXA_TRACE This field is set to 'Y' if level 2 tracing is set on for BR. The exit should use this flag to trace important information for diagnostic purposes. In particular the input and output data should be traced. Note that for BR level 2 tracing, the BRXA is already traced by CICS on input and output. BRXA_FACILITYLIKE The name of an installed 3270 terminal to be used as a template terminal definition for constructing the bridge facility. If a value is not specified CICS will look for a value specified as FACILITYLIKE in the user transaction's profile. If this value is also blanks, CICS will use the new CICS-supplied definition CBRF (based on model DFHLU2). If the specified FACILITYLIKE does not exist the Bridge CICS abends the transaction ABRJ. It is not possible to change the FACILITYLIKE definition after the terminal has been created, so this parameter is ignored if FACILITYTYPE is specified.

If the template terminal definition is defined with QUERY(COLD) or QUERY(ALL) this will be ignored, and the predefined characteristics used.

BRXA_ FACILITY_ KEEP_TIME

This field specifies the time (in seconds) that the Bridge Facility will be kept after the User transaction terminates. If a non zero value is set in this field the Bridge Facility, and its pseudo conversational data will remain.

This field is initially set to zero on the BRXA_ INIT call. The exit only needs to set the value in the BRXA_ TERM call.

The maximum value is 1 week (604800 seconds). If a value larger than this is specified, CICS will keep the Bridge Facility for 1 week.

BRXA_ FACILITYTYPE

A token representing the Bridge Facility to be used. This value can be set on the BRXA_ INIT call.

Specifying a value implies reusing a Bridge Facility kept when a previous Bridge ran a user transaction, and kept the terminal.

The default value of nulls will result in CICS dynamically allocating a new Bridge Facility.

The name of the Bridge facility used is accessible to the user transaction in the EIBTRMID field of the EIB. No other TERMID's in the system will be the same, although the name may be re-used almost immediately when the user transaction finishes.

BRXA_ SCREEN_HEIGHT

The current screen height

BRXA_ SCREEN_WIDTH

The current screen width

BRXA_ ALTERNATE_ SCREEN_HEIGHT

The alternate screen height

BRXA_ ALTERNATE-SCREEN_ WIDTH

The alternate screen width

BRXA_ IDENTIFIER

a 48 character field which can be used by the exit routine to associate the request with the specific use of the exit (for example, the MQ correlator for the MQ bridge, and the TCP/IP id

BRXA_FORMATTER

An 8 byte character field to be used by the exit routine to specify the name of a formatter. If a value is specified in this field, then the formatter is called for BMS, TC, and IC requests. The bridge exit is only called for XM, SYNC and MSG $\,$

requests.

BRXA_ CALL_EXIT_ FOR_SYNC

Should the bridge exit be called for syncpoint.

BRXA_ NEXTTRANID_SOURCE

How was the next transid created?

BRXA_ IMMEDIATEBy a RETURN TRANSID IMMEDIATE command

BRXA_ STARTED By a START TRANSID command

BRXA_ NORMAL By a RETURN TRANSID or SET NEXTTRANSID command

BRXA_ BRDATA_PTR

Address of the data specified by the BRDATA parameter on the START TRANSID BREXIT command.

BRXA_ BRDATA_LEN

Length of the BRDATA, as given on the START TRANSID BREXIT

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	180	BRXA_TRANSACTION_ AREA	
(0)	CHARACTER	8	BRXA_TRAN_ AREA_EYECATCHER	
(8)	CHARACTER	4	BRXA_BRIDGE_ TRANID	
(C)	CHARACTER	4	BRXA_TRANID	
(10)	CHARACTER	4	BRXA_NEXTTRANID	
(14)	CHARACTER	4	BRXA_ABEND_CODE	
(18)	CHARACTER	8	BRXA_CALLING_ PROG	
(20)	CHARACTER	8	BRXA_USERID	
(28)	CHARACTER	8	*	reserved applid
(30)	CHARACTER	2	BRXA_STARTCODE	
(32)	CHARACTER	1	BRXA_LOAD_ ADS_DESCRIPTOR	
(33)	CHARACTER	1	BRXA_TRACE	
(34)	CHARACTER	4	BRXA_FACILITYLIKE	
(38)	UNSIGNED	4	BRXA_FACILITY_ KEEP_TIME	

Offset Hex	Туре	Len	Name (Dim)	Description
(3C)	CHARACTER	8	BRXA_FACILITY_ TOKEN	
(44)	HALFWORD	2	BRXA_SCREEN_ HEIGHT	
(46)	HALFWORD	2	BRXA_SCREEN_ WIDTH	
(48)	HALFWORD	2	BRXA_ALTERNATE_	
			SCREEN_HEIGHT	
(4A)	HALFWORD	2	BRXA_ALTERNATE_	
			SCREEN_WIDTH	
(4C)	CHARACTER	48	BRXA_IDENTIFIER	
ne	w for CTS 1.3			
(7C)	CHARACTER	8	BRXA_FORMATTER	
(84)	CHARACTER	1	BRXA_CALL_	
			EXIT_FOR_SYNC	
(85)	CHARACTER	1	BRXA_NEXTTRANID_	
			SOURCE	
(86)	CHARACTER	6	*	
(8C)	CHARACTER	8	*	reserved
(94)	ADDRESS	4	BRXA_BRDATA_PTR	
(98)	FULLWORD	4	BRXA_BRDATA_LEN	
(9C)	CHARACTER	4	BRXA_INTERVAL	
(A0)	CHARACTER	4	BRXA_TIME	
(A4)	FULLWORD	4	BRXA_HOURS	
(A8)	FULLWORD	4	BRXA_MINUTES	
(AC)	FULLWORD	4	BRXA_SECONDS	
(B0)	CHARACTER	1	BRXA_START_AFTER	
(B1)	CHARACTER	1	BRXA_START_AT	
(B2)	CHARACTER	2	*	For alignment
(B4)	CHARACTER		*	

--

The command area contains information relating to the command which has caused the Bridge Exit to be called.

Some fields are common for all commands, and there are some fields for specific commands.

-

The common fields of the command area are:

BRXA_ COMMAND_ AREA_EYECATCHER

An eyecatcher to identify the area as an LT Command Area. This will be set by CICS, before passing control to the Bridge Exit, to the value BRXA_ COMMAND_ AREA_EYE ('>BRCOMMA'), which is defined in the DFHBRACx copy book.

BRXA_ FUNCTION_CODE

A two character code identifying the CICS function for which the Bridge Exit is called. For calls for Initialise Transaction, Terminate Transaction and Abend Transaction this is 'XM'. For all other requests, this is the value in the first byte of EIBFN converted to character form. Valid EBCDIC characters are used for the function and command code to simplify testing of the values in User Transaction Exit programs written in all the supported languages, and to simplify passing of the codes to other systems. Constants with meaningful names are provided for all the supported languages to simplify testing, BRXA_COMMAND_CODE

A two character code identifying the CICS command for which the Bridge Exit is called. For Initialise Transaction this is 'IN', for Terminate Transaction this is 'TM' and, for Abend Transaction this is 'AB'. For all other requests, this is the value in the second byte of EIBFN converted to character form. Valid EBCDIC characters are used for the function and command code to simplify testing of the values in User Transaction Exit programs written in all the supported languages, and to simplify passing of the codes to other systems. Constants with meaningful names are provided for all the supported languages to simplify testing,

BRXA_ USER_ABEND_CODE

If this field is set to a non blank value (the default), CICS will generate a transaction abend with this code.

Note that if the exit issues an EXEC CICS ABEND requests, this will result in a CICS DUMP, and will disable the exit. BRXA FROM PTR

The address of the FROM data in SEND, CONVERSE, SEND MAP, SEND TEXT and START commands. This will be zero for other commands, or if FROM not specified on the command.

BRXA_FROM_LEN

The length of the FROM data in SEND, CONVERSE, SEND MAP, SEND TEXT and START commands. This will be zero for other commands, or if FROM not specified on the command. The length is a fullword.

BRXA_INTO_PTR

The address of the INTO data in RECEIVE, CONVERSE, RECEIVE MAP and RETRIEVE commads. This must be set by the User Transaction Exit, and CICS will copy data from this address into the INTO area specified on the command, or will copy the address into the SET parameter specified on the command.

BRXA_INTO_LEN

The length of the INTO data in RECEIVE, CONVERSE, RECEIVE MAP and RETRIEVE commads. This must be set by the User Transaction Exit, and CICS will copy this value into LENGTH, FLENGTH or INTOLENGTH parameter specified on the command, and use the value when copying data into the INTO area. The length is a fullword,

NOTE: CONVERSE is the only command which has both FROM and INTO, and the BRXA_FROM_PTR and BRXA_INTO_PTR (and corresponding lengths) could be replaced by a single BRXA_DATA_PTR (and BRXA_DATA_LEN), and in the case of CONVERSE the exit would replace the FROM address and length by the INTO address and length,

BRXA_RESP

The resp code to be set (by CICS) in EIBRESP. This will be set to zero by CICS before calling the exit, and the exit must set this value if anything other than a normal response is required.

```
CICS will generate an ABRN transaction abend if the value
 returned is not one that could normally be produced by CICS for
 this command. If this value is zero, CICS may itself set the
 EIBRESP value and raise a condition.
BRXA RESP2
 The resp code to be set (by CICS) in EIBRESP2. This will be set
 to zero by CICS before calling the exit, and the exit must set
 this value if anything other than a normal response is required.
 CICS does not check the value specified for consistency with the
 command. If this value is zero, CICS may itself set the EIBRESP
 value and raise a condition.
BRXA CPOSN
 The cursor position to be set (by CICS) in EIBCPOSN for RECEIVE,
 CONVERSE, RECEIVE MAP commands. This will be set to zero by CICS
 before calling the exit, and the exit must set this value, if
 the User Transaction uses the value in EIBCPOSN.
BRXA_AID
 The attention id (PF key code) to be set (by CICS) in EIBAID for RECEIVE, CONVERSE, RECEIVE MAP commands. This will be set to
 ENTER (X'7D') by CICS before calling the exit, and the exit must
 set this value, if the User Transaction uses the value in
 EIBAID. The exit can use the values defined in DFHAID copy books
 to set the value (these are EBCDIC values of the 3270 AID
characters).
BRXA_ ERASE_INDICATOR
 A one character value which is set (by CICS) to indicate whether
 ERASE, ERASE ALTERNATE or ERASE DEFAULT is specified on SEND,
 CONVERSE SEND MAP, SEND TEXT or SEND CONTROL commands. Constants
 with meaningful names are provided for all languages to allow
 the Bridge Exit to test this value if necessary.
BRXA_ LAST_INDICATOR
 a one character field indicating whether LAST specified on SEND
 command. Valid values are 'Y' or 'N', and constants are provided
 for the exit to test this field.
BRXA_ WAIT_INDICATOR
 a one character field indicating whether WAIT specified on SEND,
 RETRIEVE or ISSUE ERASEAUP. Valid values are 'Y' or 'N', and
 constants are provided for the exit to test this field.
BRXA_FMT_RESPONSE
 This field is used by the formatter to tell the CICS that the
 bridge exit should be called to read or write a message.
 Possible values are:
BRXA FMT NONE
 No action. The formatter has processed the request.
BRXA_FMT_OUTPUT_BUFFER_FULL
 There is no room to add the next vector. Call the bridge exit
 to write the message, clear the buffer, then call the
 formatter again
BRXA_FMT_WRITE_MESSAGE
 The request required data to be flushed. Call the bridge exit
 to write the message.
BRXA_FMT_REQUEST_ NEXT_MESSAGE
 The formatter has run out of data in the message. Call the
 bridge exit to read a message, then call the formatter again.
BRXA_FMT_READ_ MESSAGE_NOWAIT
 The formatter has run out of data in the message. Check to see
 if there is a new message before requesting any further input.
 Call the bridge exit to read a message, then call the
 formatter again.
BRXA_ READ_NOWAIT_ ISSUED
 This field is used by the formatter to check if it has already
returned a brxa_ fmt_read_ message_nowait for this command.
BRXA NO
A brxa_ fmt_read_ message_nowait has not been returned for this
BRXA_YES
A brxa_fmt_read_ message_nowait has been returned for this
command.
BRXA_ REQUEST_ NEXT_ISSUED
 This field is used by the formatter to check if it has already
returned a brxa_fmt_request_ next_message for this command.
BRXA NO
A brxa_ fmt_request_ next_message has not been returned for this
```

command. BRXA_YES

A brxa_fmt_request_ next_message has been returned for this

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	48	BRXA_COMMAND_ COMMON	
(0)	CHARACTER	8	BRXA_COMMAND_	
			AREA_EYECATCHER	
(8)	CHARACTER	2	BRXA_FUNCTION_ CODE	
(A)	CHARACTER	2	BRXA_COMMAND_ CODE	
(C)	CHARACTER	4	BRXA_USER_	
			ABEND_CODE	
(10)	ADDRESS	4	BRXA_FROM_PTR	
(14)	FULLWORD	4	BRXA_FROM_LEN	
(18)	ADDRESS	4	BRXA_INTO_PTR	
(1C)	FULLWORD	4	BRXA_INTO_LEN	
(20)	HALFWORD	2	BRXA_RESP	
(22)	HALFWORD	2	BRXA_RESP2	
(24)	HALFWORD	2	BRXA_CPOSN	
(26)	CHARACTER	1	BRXA_AID	
(27)	CHARACTER	1	BRXA_ERASE_ INDICATOR	
(28)	CHARACTER	1	BRXA_LAST_ INDICATOR	
(29)	CHARACTER	1	BRXA_WAIT_ INDICATOR	
ne	w for CTS 1.3			
(2A)	CHARACTER	1	BRXA_FMT_ RESPONSE	
(2B)	CHARACTER	1	BRXA_READ_	
			NOWAIT_ISSUED	
(2C)	CHARACTER	1	BRXA_REQUEST_	
			NEXT_ISSUED	
(2D)	CHARACTER	3	*	reserved

--

This command area defines actions at the initialisation and termination of the bridge. There are four functions:

Init

The purpose of this call is for the Bridge Exit pass CICS various parameters to run the transaction. Typically the BRDATA will be used to obtain this information.

The following values can be set in the transaction and common areas area for this request.

- BRXA_STARTCODE
- BRXA_LOAD_ADS_DESCRIPTOR
- BRXA_FACILITYLIKE
- BRXA_FACILITY_TOKEN
- BRXA_USER_ABEND_CODE
- BRXA_IDENTIFIER
- BRXA_FORMATTER

Requests using recoverable resources can not be made in this call.

Bind

The purpose of this call is for the Bridge Exit to obtain data to answer 3270 requests in subsequent calls.

Recoverable requests can be made in this call.

The exit must not use the TWA, as this is not setup for the Bridge

The following values can be set in the transaction and common areas area for this request.

- BRXA_STARTCODE
- BRXA_LOAD_ADS_DESCRIPTOR
- BRXA_FACILITY_KEEP_TIME
- BRXA_USER_ABEND_CODE
- BRXA_IDENTIFIER

Term

The purpose of this call is to inform the Bridge Exit that the user transaction is terminating. It also identifies the next transaction if this has been specified by the user transaction.

This call is not made if the user transaction abends.

Recoverable requests can be made in this call.

The following values can be set in the transaction and common areas area for this request.

- BRXA_FACILITY_KEEP_TIME
- BRXA_USER_ABEND_CODE

Abend

In the event of the user transaction abending this call allows the Bridge Exit to issue non recoverable requests to the external resource, for example a non-syncpointing MQPUT can be issued for the MQ Bridge.

The call can also change the abend code.

Recoverable requests can not be made in this call.

The following values can be set in the transaction and common areas area for this request Any other values are ignored.

- BRXA_FACILITY_KEEP_TIME
- BRXA_USER_ABEND_CODE

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	48	BRXA_XM_COMMAND	
(0)	CHARACTER	48	*	
(30)	CHARACTER		*	

The Terminal Control command interface overlays the common command interface, and defines some Terminal Control specific parameters.

Commands supported are SEND, RECEIVE and CONVERSE.

The terminal control specific parameters are

BRXA_CTLCHAR

The 3270 Write Control Character (WCC) passed on SEND and CONVERSE commands as CTLCHAR. If not specified on the command the default value (X'C3'- unlock keyboard, reset MDT flags) is passed to the exit.

BRXA_BUFFER_INDICATOR

a one character field indicating whether BUFFER specified on RECEIVE command. Valid values are 'Y' or 'N', and constants are provided for the exit to test this field.

(BUFFER is not allowed on CONVERSE - diagnosed by translator)

BRXA_ STRFIELD_ INDICATOR a one character field indicating whether STRFIELD specified on

SEND or CONVERSE command. Valid values are 'Y' or 'N', and constants are provided for the exit to test this field.

BRXA_ DEFRESP_INDICATOR

a one character field indicating whether DEFRESP specified on SEND or CONVERSE command. Valid values are 'Y' or 'N', and constants are provided for the exit to test this field. BRXA_INVITE_INDICATOR

a one character field indicating whether INVITE specified on SEND command. Valid values are 'Y' or 'N', and constants are provided for the exit to test this field.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	53	BRXA_TC_COMMAND	
(0)	CHARACTER	48	*	
(30)	CHARACTER	1	BRXA_CTLCHAR	
(31)	CHARACTER	1	BRXA_BUFFER_ INDICATOR	
(32)	CHARACTER	1	BRXA_STRFIELD_ INDICATOR	
(33)	CHARACTER	1	BRXA_DEFRESP_ INDICATOR	
(34)	CHARACTER	1	BRXA_INVITE_ INDICATOR	

```
The BMS command interface overlays the common command interface,
 and defines some BMS specific parameters.
 Commands supported are SEND MAP, SEND TEXT, SEND CONTROL and
RECEIVE MAP
 The BMS specific parameters are:
BRXA MAPSET
 The (unsuffixed) mapset name specified on SEND MAP or RECEIVE
MAP
BRXA MAP
 The map name specified on SEND MAP or RECEIVE MAP.
BRXA_ ADS_DESCRIPTOR_ PTR
 The address of the ADS descriptor for BMS SEND MAP and RECEIVE
 MAP commands. This will be set by the interface code, if the
 Bridge has set the flag in the BRXA indicating that the
 descriptor should be loaded, and if the relevant mapset has been
 regenerated to include the descriptor. Otherwise this pointer
 will be set to 0.
BRXA_CURSOR
 A halfword value containing the CURSOR position specified on
 SEND MAP, SEND TEXT or SEND CONTROL command, which identifies
 where the cursor is to be positioned on the 3270 screen. A value
 of -1 is passed if the application specified CURSOR with no
 value on SEND MAP command, indicating that symbolic cursor
 positioning is required, that is, that the cursor is to be
 positioned in the first field in the application data structure
 that has a value of -1 in the corresponding length field. A
 value of -2 is passed if the application did not specify CURSOR
 on the SEND MAP command.
BRXA MSR DATA
 The four character value specified in MSR on SEND MAP, SEND
 CONTROL or SEND TEXT command. Constants are provided in the copy
 book DFHMSRCA which will allow the exit to test the values
 NOTE: If we can assume that a BFB will always be constructed as
 if its TYPETERM was defined with MSRCONTROL(NO), then this
 parameter could be omitted, as for a 3270 terminal fro which
 MSRCONTROL(NO) is specified, BMS ignores the MSR field specified
 on the command.
BRXA_ DATA_INDICATOR
 a one character field indicating whether DATAONLY, MAPONLY or
 neither are specified on the SEND MAP command. Valid values are
 'D' (DATAONLY), 'M' (MAPONLY) or 'N'(neither specified) and
 constants are provided for the exit to test this field. (Note
 that if MAPONLY is specified, the FROM pointer and length will
 be zero, as there is no Apllication Data Structure in this
BRXA ERASEAUP INDICATOR
 a one character field indicating whether ERASAUP is specified on
 a SEND MAP or SEND CONTROL command. Valid values are 'Y' or 'N',
 and constants are provided for the exit to test this field.
BRXA_ FREEKB_INDICATOR
 a one character field indicating whether FREEKB is specified on
 a SEND MAP SEND TEXT or SEND CONTROL command. Valid values are
 'Y' or 'N', and constants are provided for the exit to test this
field.
BRXA ALARM INDICATOR
 a one character field indicating whether ALARM is specified on a
 SEND MAP, SEND TEXT or SEND CONTROL command. Valid values are
 'Y' or 'N', and constants are provided for the exit to test this
field
BRXA MSR INDICATOR
 a one character field indicating whether MSR is specified on a
 SEND MAP, SEND TEXT or SEND CONTROL command. Valid values are
 'Y' or 'N', and constants are provided for the exit to test this
field.
BRXA FRSET INDICATOR
 a one character field indicating whether FRSET is specified on a
 SEND MAP or SEND CONTROL command. Valid values are 'Y' or 'N',
 and constants are provided for the exit to test this field.
BRXA TEXT TYPE
 a one character field indicating whether NOEDIT or MAPPED is
 specified on a SEND TEXT command. Valid values are ' ' ( neither
 NOEDIT nor MAPPED specified), 'N' (NOEDIT specified) and 'M'
 (MAPPED specified) and constants are provided for the exit to
 test this field.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	81	BRXA_BMS_COMMAND	
(0)	CHARACTER	48	*	
(30)	CHARACTER	7	BRXA_MAPSET	
(37)	CHARACTER	1	*	reserved
(38)	CHARACTER	7	BRXA_MAP	
(3F)	CHARACTER	1	*	reserved
(40)	ADDRESS	4	BRXA_ADS_	
			DESCRIPTOR_PTR	
(44)	HALFWORD	2	BRXA_CURSOR	
(46)	CHARACTER	4	BRXA_MSR_DATA	
(4A)	CHARACTER	1	BRXA_DATA_ INDICATOR	
(4B)	CHARACTER	1	BRXA_ERASEAUP_	
			INDICATOR	
(4C)	CHARACTER	1	BRXA_FREEKB_	
			INDICATOR	
(4D)	CHARACTER	1	BRXA_ALARM_ INDICATOR	
(4E)	CHARACTER	1	BRXA_FRSET_ INDICATOR	
(4F)	CHARACTER	1	BRXA_MSR_ INDICATOR	
(50)	CHARACTER	1	BRXA_TEXT_TYPE	

--

The Interval Control command interface overlays the common command interface, and defines some Interval Control specific parameters.

The only command supported is RETRIEVE.

The Interval Control specific parameters are:

BRXA_RTERMID

The value of RTERMID specified on START command. For the RETRIEVE command this is a field that the Bridge Exit can set to pass the RTERMID value back to the application issuing the RETRIEVE.

BRXA_RTRANSID

The value of RTRANSID specified on START command. For the RETRIEVE command this is a field that the Bridge Exit can set to pass the RTRANSID value back to the application issuing the RETRIEVE.

BRXA_QUEUE

The value of QUEUE specified on START command. For the RETRIEVE command this is a field in which the Bridge Exit can set the QUEUE value to be used by the application issuing the RETRIEVE.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	64	BRXA_IC_COMMAND	
(0)	CHARACTER	48	*	
(30)	CHARACTER	4	BRXA_RTERMID	
(34)	CHARACTER	4	BRXA_RTRANSID	
(38)	CHARACTER	8	BRXA_QUEUE	

-

This command area defines actions at syncpoint and syncpoint rollback. brxa_ explicit is used to indicate whether this request originated from an explicit EXEC CICS SYNCPOINT command, or whether it is an implicit syncpoint generated by CICS. It will be set to 'Y' or 'N' prior to invoking the exit, and constants are provided for the exit to test this field. Valid values for rollback are 'Y' or 'N', and constants are provided for the exit to test this field.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	50	BRXA_SYNC_COMMAND	
(0)	CHARACTER	48	*	
(30)	CHARACTER	1	BRXA_EXPLICIT	
(31)	CHARACTER	1	BRXA_ROLLBACK	

--

This command area defines actions when the bridge exit is called to read or write a message. These functions are only used if the bridge exit specified a formatter on initialisation.

This command area defines the following functions:

Init

The purpose of this call is for the Bridge Exit pass CICS various parameters to run the transaction. Typically the BRDATA will be used to obtain this information.

The following values can be set in the transaction and common areas area for this request.

- BRXA_ STARTCODE
- ${\tt BRXA_LOAD_ADS_DESCRIPTOR}$
- BRXA_ FACILITYLIKE
- BRXA_ FACILITY_TOKEN
- BRXA_ USER_ABEND_CODE
- $\mathsf{BRXA} _$ <code>IDENTIFIER</code>

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	48	BRXA_MSG_COMMAND	
(0)	CHARACTER	48	*	

The ADS descriptor is provided to allow interpretation of the BMS Application Data Structure - that is, the structure used by the application program for the data in SEND and RECEIVE MAP requests - by an exit program, without requiring the exit program to include the relevant copy book at compile time. The ADS descriptor is only available if the map load module has been reassembled to include the descriptor, and CICS only attempts to locate the descriptor if the brxa_ load_ADS_ descriptor indicator is set to brxa_ yes in the Bridge Exit initialisation call. The ADS descriptor contains a header containing general information about the map, together with a field descriptor for every field which appears in the ADS, that is every named field in the map definition macro. The header consists of the following information ADSD LENGTH The length of the ADS descriptor ADSD_ EYECATCHER An eyecatcher ('ADSD') to identify this as an ADS descriptor ADSD_MAP_INDEX The index of the map within the mapset. This is needed to determine the HTML template corresponding to the map. ADSD FIELD COUNT the number of fields within the ADS, that is the number of named fields in the map definition macros. A separate field is counted for each element of an array defined with the OCCURS parameter, but subfields of group fields (GRPNAME) are not counted. The field count may be zero, in which case there are no field descriptors following the header. ADSD_ STRUCTURE_LENGTH the length of the application data structure ADSD_ ATTRIBUTE_NUMBER the number of extended attributes in each field of the ADS, that is the number of attributes specified in DSATTS in the map definition ADSD ATTRIBUTE TYPE CODES one character code for the attribute types in each field, in order, derived from DSATTS - C = COLOR - P = PS - H = HILIGHT - V = VALIDN - O = OUTLINE - S = SOSI - T = TRANSP ADSD_ MAP_JUSTIFY_HOR the horizontal justification for the map, either L (LEFT) or R (RIGHT) from JUSTIFY operand on map definition. ADSD_ MAP_JUSTIFY_VER the vertical justification for the map, from JUSTIFY operand on map definition. This can have the values F (FIRST), L (LAST) or B (BOTTOM) or blank (no vertical JUSTIFY operand). ADSD_ MAP_STARTING_LINE the starting line for the map, from LINE operand on DFHMDI macro $\,$ (LINE = NEXT will give a value of 255, LINE = SAME will give a value of 254) ADSD_ MAP_STARTING_ COLUMN the starting column for the map, from COLUMN operand on DFHMDI macro (COLUMN = NEXT will give a value of 255, COLUMN = SAME will give a value of 254) ADSD MAP LINES the number of lines in the map from SIZE= operand ADSD_ MAP_COLUMNS the number of columns in the map from SIZE= operand ADSD_ WRITE_CONTROL_ CHAR the 3270 encoded WCC derived from CONTROL= operand ADSD FIRST FIELD the first field descriptor occurs here. Use the address of ADSD_ FIRST_FIELD as the initial value of the pointer for the field descriptor (unless ADSD_ field_count is 0).

```
The field descriptor for each field within the map consists of
```

ADSD_ FIELD_NAME the unsuffixed field name padded with blanks ADSD_ FIELD_NAME_LEN the number of characters in the field name ADSD_ OCCURS_INDEX when OCCURS is specified for a field definition there will be a separate field descriptor for each element of the array, and occurs_ index will indicate the array index for the particular field if OCCURS not specified, then occurs_ index will be 0 ${\tt ADSD_FIELD_OFFSET}$ the offset of the field within the ADS the offset is to the beginning of the (halfword) length field, and users must add 2 (for the length field) + 1 (for the 3270 attribute) + attribute_ number (for the extended attributes specified in DSATTS) to get the offset of the data part of the field

ADSD_ FIELD_DATA_LEN the length of the field in the ADS

ADSD_ FIELD_JUSTIFY

indicates whether the data is to be justified left (L) or right (R) if the supplied length is less than the length in the ADS ADSD_ FIELD_FILL_CHAR

the character (blank or '0') to be used to fill the remainder of the field in the ADS.

ADSD_ NEXT_FIELD

the next field descriptor occurs here. Use the address of

ADSD_ NEXT_FIELD to update the pointer for the field descriptor.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	ADS DESCRIPTOR	
(0)	HALFWORD	2	ADSD LENGTH	
(2)	CHARACTER	4	ADSD EYECATCHER	
(6)	HALFWORD	2	ADSD MAP INDEX	
(8)	HALFWORD	2	ADSD FIELD COUNT	
(A)	HALFWORD	2	ADSD_STRUCTURE_ LENGTH	
(C)	HALFWORD	2	ADSD_ATTRIBUTE_ NUMBER	
(E)	CHARACTER	1	ADSD_ATTRIBUTE_ TYPE_CODES (12)	
(1A)	CHARACTER	1	ADSD_MAP_ JUSTIFY_HOR	
(1B)	CHARACTER	1	ADSD MAP JUSTIFY VER	
(1C)	HALFWORD	2	ADSD_MAP_ STARTING_LINE	
(1E)	HALFWORD	2	ADSD_MAP_ STARTING_COLUMN	
(20)	HALFWORD	2	ADSD_MAP_LINES	
(22)	HALFWORD	2	ADSD_MAP_COLUMNS	
(24)	CHARACTER	1	ADSD_WRITE_ CONTROL_CHAR	
(25)	CHARACTER	1	*	
(26)	CHARACTER	*	ADSD_FIRST_FIELD	
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	ADS_FIELD_ DESCRIPTOR	
(0)	CHARACTER	32	ADSD_FIELD_NAME	
(20)	HALFWORD	2	ADSD FIELD NAME LEN	
(22)	HALFWORD	2	ADSD OCCURS INDEX	
(24)	HALFWORD	2	ADSD FIELD OFFSET	
(26)	HALFWORD	2	ADSD_FIELD_ DATA_LEN	
(28)	CHARACTER	1	ADSD_FIELD_ JUSTIFY	
(29)	CHARACTER	1	ADSD_FIELD_ FILL_CHAR	
(2A)	CHARACTER	*	ADSD_NEXT_FIELD	

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	ADS_LONG_ DESCRIPTOR	
(0)	FULLWORD	4	ADSDL_LENGTH	
(4)	CHARACTER	4	ADSDL_EYECATCHER	
(8)	FULLWORD	4	ADSDL_MAP_INDEX	

Offset Hex	Туре	Len	Name (Dim)	Description
(C)	FULLWORD	4	ADSDL FIELD COUNT	
(10)	FULLWORD	4	ADSDL STRUCTURE	
(,	. 022.707.2	•	LENGTH	
(14)	FULLWORD	4	ADSDL_ATTRIBUTE_	
` '			NUMBER	
(18)	CHARACTER	1	ADSDL_ATTRIBUTE_	
. ,			TYPE_CODES (12)	
(24)	CHARACTER	1	ADSDL_MAP_ `	
. ,			JUSTIFY_HOR	
(25)	CHARACTER	1	ADSDL_MAP_	
			JUSTIFY_VER	
(26)	CHARACTER	2	*	
(28)	FULLWORD	4	ADSDL_MAP_	
			STARTING_LINE	
(2C)	FULLWORD	4	ADSDL_MAP_	
			STARTING_COLUMN	
(30)	FULLWORD	4	ADSDL_MAP_LINES	
(34)	FULLWORD	4	ADSDL_MAP_ COLUMNS	
(38)	CHARACTER	1	ADSDL_WRITE_	
			CONTROL_CHAR	
(39)	CHARACTER	3	*	
(3C)	CHARACTER	*	ADSDL_FIRST_ FIELD	
Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	*	ADS_LONG_ FIELD_DESCRIPTOR	
(0)	CHARACTER	32	ADSDL_FIELD_NAME	
(20)	FULLWORD	4	ADSDL_FIELD_ NAME_LEN	
(24)	FULLWORD	4	ADSDL_OCCURS_ INDEX	
(28)	FULLWORD	4	ADSDL_FIELD_ OFFSET	
(2C)	FULLWORD	4	ADSDL_FIELD_ DATA_LEN	
(30)	CHARACTER	1	ADSDL_FIELD_ JUSTIFY	
(31)	CHARACTER	1	ADSDL_FIELD_ FILL_CHAR	
(32)	CHARACTER	2	*	
(34)	CHARACTER	*	ADSDL_NEXT_FIELD	

CDBLK Convdata block

CONTROL BLOCK NAME = DFHCDBLK DESCRIPTIVE NAME = CICS CONVDATA Block. FUNCTION = CONVDATA interface block This data area is specified on the CONVDATA option in GDS commands (see the CICS Distributed Transaction Processing Guide for a description of GDS commands for LU6.2). An application program can include the Assembler or C versions of the copybook to define the area. LIFETIME =STORAGE CLASS = LOCATION = INNER CONTROL BLOCKS = NOTES: DEPENDENCIES = S/370 RESTRICTIONS = MODULE TYPE = Control block definition EXTERNAL REFERENCES = DATA AREAS = CONTROL BLOCKS = GLOBAL VARIABLES (Macro pass) =

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DFHCDBLK	CONVDATA BLOCK
(0)	CHARACTER	1	CDBCOMPL	X'FF' DATA COMPLETE
(1)	CHARACTER	1	CDBSYNC	X'FF' SYNCPOINT REQUESTED
(2)	CHARACTER	1	CDBFREE	X'FF' FREE REQUESTED
(3)	CHARACTER	1	CDBRECV	X'FF' RECEIVE REQUIRED
(4)	CHARACTER	1	CDBSIG	X'FF' SIGNAL RECEIVED
(5)	CHARACTER	1	CDBCONF	X'FF' CONFIRM REQUESTED
(6)	CHARACTER	1	CDBERR	X'FF' ERROR RECEIVED
(7)	CHARACTER	4	CDBERRCD	ERROR CODE RECEIVED
(B)	CHARACTER	1	CDBSYNRB	X'FF' SYNC ROLLBACK REQUESTED
(C)	CHARACTER	12	CDBRSVD	RESERVED

CFS6D Cfdt server cf statistics

CONTROL BLOCK NAME = DFHCFS6D
DESCRIPTIVE NAME = CICS (CFDT) Statistics for list structure.
FUNCTION = CF Statistics for list structure usage and access. LIFETIME = N/A STORAGE CLASS = N/A LOCATION = N/A N/A
NOTES:
DEPENDENCIES = S/370
MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHCFS6D	, CF list structure statistics record
(0)	FULLWORD	4	S6 (0)	Start of record
(0)	HALFWORD	2	S6LEN	Length of data area
. ,	.111 111.		S6IDE	"0126" List structure stats mask
(2)	ADDRESS	2	S6ID	List structure stats id
	1		S6VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	S6DVERS	List structure stats version number
(5)	CHARACTER	3		Reserved
	g facility list structure			
(8)	CHARACTER	16	S6NAME (0)	Full name of list structure
(8)	CHARACTER	8	S6PREF	First part of structure name
(10)	CHARACTER	8	S6POOL	Pool name part of structure name
(18)	CHARACTER	16	S6CNNAME (0)	Name for connection to structure
(18)	CHARACTER	8	S6CNPREF	Prefix for connection name
(20)	CHARACTER	8	S6CNSYSN	Own MVS system name from CVTSNAME
(28)	ADDRESS	4	S6SIZE	Structure size (unsigned fullword)
(2C)	ADDRESS	4	S6SIZEMX	Maximum structure size
(30)	FULLWORD	4	S6HDRS	Maximum number of list headers
(34)	FULLWORD	4	S6HDRSCT	Headers used for control lists
(38)	FULLWORD	4	S6HDRSTD	Headers available for table data
(3C)	FULLWORD	4	S6ELEMLN	Data element size as a fullword
(40)	ADDRESS	4	S6ELEMPW	Data element size as power of 2
(44)	ADDRESS	4	S6ELEMPE	Max elements per entry (for 32K)
(48)	FULLWORD	4	S6ELEMRT	Element side of entry:element ratio
(4C)	FULLWORD	4	S6ENTRRT	Entry side of entry:element ratio
	statistics. nd element usage stat	istics		
	at lowest free counts a		well as highest in use	
			y be affected by an ALTER	3
			•	
(50)	FULLWORD	4	S6ENTRCT	Current number of entries in use
(54)	FULLWORD	4	S6ENTRHI	Highest number of entries in use
(58)	FULLWORD	4	S6ENTRLO	Lowest number of free entries
(5C)	FULLWORD	4	S6ENTRMX	Max entries returned by IXLCONN
(60)	FULLWORD	4	S6ELEMCT	Current number of elements in use
(64)	FULLWORD	4	S6ELEMHI	Highest number of elements in use
(68)	FULLWORD	4	S6ELEMLO	Lowest number of free elements
(6C)	FULLWORD	4	S6ELEMMX	Max elements returned by IXLCONN
	ry counts returned by			
			to used and vice versa,	
	only returns the targe	et informatio	on, so the counts are	
	• •		CCLICEVEC (0)	Heave vester five pairs of wards
(70)	DBL WORD	8 4	S6USEVEC (0)	Usage vector, five pairs of words
(70)	FULLWORD		S6USEDCT	Number of entries on used list
(74)	FULLWORD	4 4	S6USEDHI S6FREECT	Highest entries on used list Number of entries on free list
(78)	FULLWORD			
(7C)	FULLWORD	4	S6FREEHI	Highest entries on free list
(80)	FULLWORD	4	S6INDXCT	Number of entries in table index
(84)	FULLWORD	4	S6INDXHI	Highest entries in table index
(88)	FULLWORD	4	S6APPLCT	Number of entries in APPLID list
(8C)	FULLWORD	4	S6APPLHI	Highest entries in APPLID list
(90)	FULLWORD	4	S6UOWLCT	Number of entries in UOW list
(94)	FULLWORD	4	S6UOWLHI	Highest entries in UOW list
	g facility I/O statistics. s for each main type		st.	
(98)	FULLWORD	4	S6RDICT	Read table index entry
(9C)	FULLWORD	4	S6WRICT	Write table index entry
(A0)	FULLWORD	4	S6RWICT	Rewrite table index entry
(A4)	FULLWORD	4	S6DLICT	Delete table index entry
(A4)	FULLWORD	4	S6CRLCT	Create list
(AC)	FULLWORD	4	S6MDLCT	Modify list
(B0)	FULLWORD	4	S6DLLCT S6BDDCT	Delete list (1 per overall delete)
(B4)	FULLWORD	4	S6RDDCT	Read data item

Write data item

S6WRDCT

(B8)

FULLWORD

Offset Hex	Туре	Len	Name (Dim)	Description
(BC)	FULLWORD	4	S6RWDCT	Rewrite data item
(C0)	FULLWORD	4	S6DLDCT	Delete data item
(C4)	FULLWORD	4	S6INLCT	Inquire on data list
(C8)	FULLWORD	4	S6RDMCT	Read message queue
(CC)	FULLWORD	4	S6WRMCT	Write to message queue
(D0)	FULLWORD	4	S6RDUCT	Read UOW entry
(D4)	FULLWORD	4	S6WRUCT	Write UOW entry
(D8)	FULLWORD	4	S6RWUCT	Rewrite UOW entry
(DC)	FULLWORD	4	S6DLUCT	Delete UOW entry
(E0)	FULLWORD	4	S6RDACT	Read APPLID entry
(E4)	FULLWORD	4	S6WRACT	Write APPLID entry
(E8)	FULLWORD	4	S6RWACT	Rewrite APPLID entry
(EC)	FULLWORD	4	S6DLACT	Delete APPLID entry
Statistics	for internal CF req	uests.		
(F0)	FULLWORD	4	S6RRLCT	Reread entry for full data length
(F4)	FULLWORD	4	S6ASYCT	Number of asynchronous requests
IXLLIST	completion statistic	s indexed by ir	nternal response v	alue.
(F8)	FULLWORD	4	S6RSP1CT	Normal response, everything OK
(FC)	FULLWORD	4	S6RSP2CT	Buffer length was too short for the data, needs full length reread
(100)	FULLWORD	4	S6RSP3CT	No matching entry was found, indicates table not found in index or record not found in table
(104)	FULLWORD	4	S6RSP4CT	Entry version did not match, indicates entry updated by another system or duplicate entry
				exists when attempting to create entry
(108)	FULLWORD	4	S6RSP5CT	List authority comparison mismatch, caused by table status update
(10C)	FULLWORD	4	S6RSP6CT	Maximum list key reached, indicates max table size or max tables reached depending on list
(110)	FULLWORD	4	S6RSP7CT	The list structure is out of space
(114)	FULLWORD	4	S6RSP8CT	An IXLLIST return code occurred other than those described above
(114)			S6END	H±H
(114)			S6CLEN	"*-S6LEN" Length of this DSECT

Cfdt server table statistics CFS7D

CONTROL BLOCK NAME = DFHCFS7D
DESCRIPTIVE NAME = CICS (CFDT) Statistics for table accesses.
FUNCTION = CF Statistics for table accesses. LIFETIME = N/A STORAGE CLASS = N/A LOCATION = N/A N/A NOTES:
DEPENDENCIES = S/370
MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHCFS7D	, CF table access statistics record
(0)	FULLWORD	4	S7 (0)	Start of record
(0)	HALFWORD	2	S7LEN	Length of data area
	.111 1111		S7IDE	"0127" Table access stats mask
(2)	ADDRESS	2	S7ID	Table access stats id
	1		S7VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	S7DVERS	Table access stats version number
(5)	CHARACTER	3		Reserved
Coupling	facility data table acc	ess statistic	es.	
(8)	CHARACTER	16	S7TABLE	Table name padded with spaces
Statistics	vector.			
(18)	BITSTRING	60	S7STATS (0)	Statistics vector
Table co	ntrol request statistics	i.		
(18)	FULLWORD	4	S70COPEN	Open table
(1C)	FULLWORD	4	S7OCCLOS	Close table
(20)	FULLWORD	4	S70CSET	Set table attributes
(24)	FULLWORD	4	S7OCDELE	Delete table
(28)	FULLWORD	4	S7OCSTAT	Extract table statistics
Table ac	cess request statistics	S.		
(2C)	FULLWORD	4	S7RQPOIN	Point
(30)	FULLWORD	4	S7RQHIGH	Return highest key
(34)	FULLWORD	4	S7RQREAD	Read (including read for update)
(38)	FULLWORD	4	S7RQRDDL	Read and delete
(3C)	FULLWORD	4	S7RQUNLK	Unlock
(40)	FULLWORD	4	S7RQLOAD	Load
(44)	FULLWORD	4	S7RQWRIT	Write (new record)
(48)	FULLWORD	4	S7RQREWR	Rewrite

Offset Hex	Туре	Len	Name (Dim)	Description
(4C)	FULLWORD	4	S7RQDELE	Delete
(50)	FULLWORD	4	S7RQDELM	Delete multiple
	.1.1 .1		S7END	H*H
	.1.1 .1		S7CLEN	"*-S7LEN" Length of this DSECT

CFS8D Cfdt server request statistics

```
CONTROL BLOCK NAME = DFHCFS8D
DESCRIPTIVE NAME = CICS (CFDT) Request statistics. FUNCTION = CF data table server request statistics. LIFETIME = N/A
STORAGE CLASS = N/A
LOCATION = N/A
     N/A
NOTES:
  DEPENDENCIES = S/370

MODULE TYPE = Control block definition
```

Offset	Туре	Len	Name (Dim)	Description
Hex			DELLOCOOD	OFFIT reserved statistics are and
(0)	FULLWORD		DFHCFS8D	, CFDT request statistics record
(0)	FULLWORD	4	S8 (0)	Start of record
(0)	HALFWORD	2	S8LEN	Length of data area
(0)	1		S8IDE	"0128" Server request stats mask
(2)	ADDRESS	2	S8ID	Server request stats id
	1		S8VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	S8DVERS	Server request stats version number
(5)	CHARACTER	3		Reserved
Statistics	s vector.			
(8)	BITSTRING	88	S8STATS (0)	Statistics vector
Total tab	ole control request sta	atistics for all	tables.	
(8)	FULLWORD	4	S8OCOPEN	Open table
(C)	FULLWORD	4	S8OCCLOS	Close table
(10)	FULLWORD	4	S8OCSET	Set table attributes
(14)	FULLWORD	4	S8OCDELE	Delete table
(18)	FULLWORD	4	S8OCSTAT	Extract table statistics
Total tab	ole access request sta	atistics for all	tables.	
(1C)	FULLWORD	4	S8RQPOIN	Point to record
(20)	FULLWORD	4	S8RQHIGH	Return highest key
(24)	FULLWORD	4	S8RQREAD	Read record (includes for update)
(28)	FULLWORD	4	S8RQRDDL	Read and delete record
(2C)	FULLWORD	4	S8RQUNLK	Unlock record
(30)	FULLWORD	4	S8RQLOAD	Load record at initial load time
(34)	FULLWORD	4	S8RQWRIT	Write new record
(38)	FULLWORD	4	S8RQREWR	Rewrite existing record
(3C)	FULLWORD	4	S8RQDELE	Delete record
(40)	FULLWORD	4	S8RQDELM	Delete multiple records
Total inc	quire table statistics.			
(44)	FULLWORD	4	S8IQINQU	Inquire table
Total red	covery control reques	t statistics.		
(48)	FULLWORD	4	S8SPPREP	Prepare to commit unit of work
(4C)	FULLWORD	4	S8SPRETA	Retain locks for unit of work
(50)	FULLWORD	4	S8SPCOMM	Commit unit of work
(54)	FULLWORD	4	S8SPBACK	Back out unit of work
(58)	FULLWORD	4	S8SPINQU	Inquire about unit of work
(5C)	FULLWORD	4	S8SPREST	Restart recoverable connection
(00)	.11	-	S8END	Resident recoverable confidence.
	.11		S8CLEN	"*-S8LEN" Length of this DSECT

CFS9D Cfdt server storage statistics

CONTROL BLOCK NAME = DFHCFS9D
DESCRIPTIVE NAME = CICS (CFDT) Statistics for server storage.
FUNCTION = CF Statistics for server main storage usage.
LIFETIME = N/A
STORAGE CLASS = N/A
LOCATION = N/A
N/A
NOTES:
DEPENDENCIES = S/370

MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHCFS9D	, CF main storage statistics record
(0)	FULLWORD	4	S9 (0)	Start of record
(0)	ADDRESS	2	S9LEN	Length of data area
	1 1		S9IDE	"0129" CF DT main storage stats mask
(2)	ADDRESS	2	S9ID	CF DT main storage stats id
	1		S9VERS	"X'01" DSECT version number mask
(4)	ADDRESS	1	S9DVERS	CF DT main storage stats version
(5)	BITSTRING	3		Reserved

These are the statistics returned by the AXM page pool management routines for the pools AXMPGANY and AXMPGLOW. Storage in these pools is allocated in multiples of 4K pages on a 4K boundary. The most frequent use is for segments of LIFO stack storage. Storage is initially allocated from the pool using a bit map. For faster allocation, free areas are not normally returned to the pool but are added to a vector of free chains depending on the size of the free area (1 to 32 pages). When storage is being acquired, this vector is checked before going to the pool bit map. If there are no free areas of the right size and there is not enough storage left in the pool, free areas in the vector are put back into the pool, starting from the smallest end, until a large enough area has been created. This action appears as a compress attempt in the statistics. If there is still insufficient storage to satisfy the request, the request is failed.

Statistics	Statistics for LOC=ANY storage pool.						
(8)	CHARACTER	8	S9ANYNAM	Pool name AXMPGANY			
(10)	FULLWORD	4	S9ANYSIZ	Size of storage pool area			
(14)	ADDRESS	4	S9ANYPTR	Address of storage pool area			
(18)	FULLWORD	4	S9ANYMX	Total pages in the storage pool			
(1C)	FULLWORD	4	S9ANYUS	Number of used pages in the pool			
(20)	FULLWORD	4	S9ANYFR	Number of free pages in the pool			
(24)	FULLWORD	4	S9ANYLO	Lowest free pages (since reset)			
(28)	FULLWORD	4	S9ANYRQG	Storage GET requests			
(2C)	FULLWORD	4	S9ANYRQF	Gets which failed to obtain storage			
(30)	FULLWORD	4	S9ANYRQS	Storage FREE requests			
(34)	FULLWORD	4	S9ANYRQC	Compress (defragmentation) attempts			

Statistics for LOC=BELOW storage pool.

		3-1		
(38)	CHARACTER	8	S9LOWNAM	Pool name AXMPGLOW
(40)	FULLWORD	4	S9LOWSIZ	Size of storage pool area
(44)	ADDRESS	4	S9LOWPTR	Address of storage pool area
(48)	FULLWORD	4	S9LOWMX	Total pages in the storage pool
(4C)	FULLWORD	4	S9LOWUS	Number of used pages in the pool
(50)	FULLWORD	4	S9LOWFR	Number of free pages in the pool
(54)	FULLWORD	4	S9LOWLO	Lowest free pages (since reset)
(58)	FULLWORD	4	S9LOWRQG	Storage GET requests
(5C)	FULLWORD	4	S9LOWRQF	Gets which failed to obtain storage
(60)	FULLWORD	4	S9LOWRQS	Storage FREE requests
(64)	FULLWORD	4	S9LOWRQC	Compress (defragmentation) attempts
	.11. 1		S9END	"*"
	.11. 1		S9CLEN	"*-S9LEN" Length of this DSECT

CLT Command list table

```
MACRO NAME = DFHCLT
DESCRIPTIVE NAME = CICS XRF Command List Table entry macro
FUNCTION =
    This macro defines a Command List Table (CLT) for use with
    CICS XRF
EXTERNAL REFERENCES =
    XRF Takeover Initiation program, DFHWTI
  MACROS (Macro pass) =
    DFHSYS - set globals
    DFHPRMCK - operand syntax checking
    DFHSMPT - generate SMP control statements
    DFHCOVER - generate cover pages
    DFHVM - generate version etc. constants
  ROUTINES (Generated code) =
  DATA AREAS (Generated code) =
    DFHCLTDS (DSECT name)
  CONTROL BLOCKS (Generated code) =
+++ COMMAND LIST TABLE
              ENTRY FORMAT
    The CLT contains the following:
     o MVS System Operator commands and WTOs to be issued
        during takeover by a CICS Alternate of a CICS Active.
     o Identification data for the JES systems in use.
     o Data used to verify authority to takeover.
    The CLT load module is link-edited into an APF Authorized
    library.
    During takeover, the CICS Alternate calls the XRF
    Takeover Initiation program to terminate the CICS
    Active with an MVS System Operator command and to have
    the commands specified in the CLT issued to, for example,
    request MRO related systems to takeover.
```

Offset Hex	Туре	Len	Name (Dim)	Description			
(0)			DFHCLTDS	CLT DSECT			
TYPE=INITIAL generated fields							
(0)	CHARACTER	1		Reserved			
(1)	BITSTRING	1	CLTIVER	Version of CLT			
	1		CLTIVER1	"X'01"Version 1			
(2)	BITSTRING	1	CLTIJESX	Type of JES			
	1.		CLTIJES2	"X'02"JES2			
	11		CLTIJES3	"X'03""JES3			
(3)	CHARACTER	1	CLTIJCHR	JES identifier character			
(4)	ADDRESS	4	CLTIIND1	Address of Index 1			
	1		CLTJTAB	"*" JES system identificationtable entry			
(8)	CHARACTER	4	CLTJMVS	MVS system identifier			
(C)	CHARACTER	4	CLTJJESN	JES2 or JES3 subsystem name			
	1		CLTJJES	n±n			
(10)	CHARACTER	1	CLTJJ2ID	JES2 shared spool member number			
	11		CLTJTBL2	"*-CLTJTAB" Length of table entry for JES2			
(10)	CHARACTER	8	CLTJJ3ID	JES3 name on MAINPROC			
. ,	1		CLTJTBL3	"*-CLTJTAB" Length of table entry for JES3			

Offset Hex	Туре	Len	Name (Dim)	Description			
(0)			CLTI1DS	CLT Index 1 DSECT			
Index 1 entry							
(0)	CHARACTER	4	CLT1END (0)	Zero if end of Index 1			
(0)	CHARACTER	8	CLT1SAPL	Specific APPLID of Alternate			
(8)	CHARACTER	8	CLT1CANN	Jobname on termination command			
(10)	ADDRESS	4	CLT1ADI2	Address of Index 2 for thisAlternate			
	1 .1		CLT1LEN	"*-CLTI1DS" Length of Index 1 entry			

TYPE=COMMAND and TYPE=WTO generated fields

TYPE=LISTSTART generated fields

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			CLTCDS	CLT COMMAND/WTO entry DSECT
(0)	BITSTRING	1	CLTCTYPE	Entry type
	1		CLTCCOM	"X'01" Type=COMMAND
	1.		CLTCWTO	"X'02" Type=WTO
(1)	BITSTRING	1	CLTCCEC	CEC indicator
	1		CLTCCSAM	"X'01"Same
	1.		CLTCCSEP	"X'02"Separate
(2)	CHARACTER	1	CLTCDATA (0)	
TYPE=COMMAND				
(2)	BITSTRING	1	CLTCCOML	Length of command
(3)	CHARACTER	1	CLTCTEXT (0)	Start of command text
TYPE=V	VTO			
(2)	CHARACTER	1	(2)	Reserved
(4)	ADDRESS	4	CLTCADDR	Address of WTO MF=L
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			CLTI2DS	CLT Index 2 DSECT
Index 2	entry			
(0)	ADDRESS1	4	CLT2ADDR CLT2LEN	Address of COMMAND/WTO entryor zero if end of Index 2 "*-CLTI2DS" Length of Index 2 entry

CRB Cross region block

```
CONTROL BLOCK NAME = DFHCRBPS
DESCRIPTIVE NAME = CICS Cross Region Block
   This DSECT describes the CICS region block, which is
   used by the CICS inter-region communication facility.
   The block is used to control inter-region activity
   at a global level, as opposed to controlling the activity of individual links with other regions.
   The conversational TCTTE (hung off the 'ISLINK'
   system entry in the TCT) is the block which
   controls individual 'conversations' between CICS
   and other regions.
   The CRB is allocated when the facility is started
   up (by the start-up program, DFHCRSP), and freed when the facility is shut down (via the IS LOGOFF COMMND).
   The block contains, amongst other things, argument
   lists and other information required to communicate
   with the inter-region SVC (DFHIRCP)
LIFETIME =
STORAGE CLASS =
LOCATION =
INNER CONTROL BLOCKS =
DEPENDENCIES = S/370
RESTRICTIONS = MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	104	DFHCRBDS	
(0)	CHARACTER	8	CRBEYE	Eyecatcher
(8)	FULLWORD	4	CRBSVCLS	ALIST FOR SVC FULL WORD ALIGNMENT
(C)	CHARACTER	40	CRBSVCSB	SUBLIST FOR SVC
(34)	ADDRESS	4	*	Reserved
(38)	FULLWORD	4	CRBUSID	SVC USER ID ALLOC'D TO CICS
(3C)	ADDRESS	4	CRBSLCB	A(SVC'S SLCB CTL BLOCK)
(40)	CHARACTER	8	CRBIMQTK	Immed queue token for queue manager
(48)	CHARACTER	8	CRBDLQTK	Delay queue token for queue manager
(50)	CHARACTER	8	CRBSTASV	SAVE REGS 13,14 IN STAE
(50)	FULLWORD	4	*	REGS 13
(54)	FULLWORD	4	*	REGS 14
(58)	HALFWORD	2	CRBSVCIN	INSTR TO INVOKE INTER-RGN SVC
(5A)	CHARACTER	2	*	Reserved
(5C)	BITSTRING	1	CRBFLG1	FLAG BYTE

Offset Hex	Туре	Len	Name (Dim)	Description
	1		*	80 reserved
	.1		CRBSCSMT	40 SUPPRESS 'QUIESCE COMPLETE' MSG TO CSMT IN CSNC. (THIS BIT SET WHEN INTER-RGN FCLY STOPPED BY STP OR SRP)
	1		*	20 reserved
	1		*	10 reserved
	1		CRBABND	08 CSNC HAS ABENDED- NRML SHUT MUSTN'T ISSUE IS STOPNML
(5D)	CHARACTER	3	*	alignment
(60)	ADDRESS	4	*	Reserved
(64)	ADDRESS	4	CRBDSTOK	DS token for work exit

CSA Common system area generator

```
CONTROL BLOCK NAME = DFHCSAPS
DESCRIPTIVE NAME = CICS COMMON SYSTEM AREA GENERATOR.
FUNCTION =
      DFHCSAPS GENERATES THE DSECT FOR THE CICS COMMON
      SYSTEM AREA.
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS = NONE
REGISTER CONVENTIONS = NOT APPLICABLE
PATCH LABEL = NOT APPLICABLE
MODULE TYPE = MACRO
MODULE SIZE = NOT APPLICABLE
ATTRIBUTES = NOT APPLICABLE
MACROS: DFHAFCD, DFHEJECT, DFHPRINT, DFHSYS
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	516	DFHCSADS	SECTION - CSA
(0)	CHARACTER		DFHCSABA	COMMON SYSTEM AREA BEGIN ADDRESS
(0)	FULLWORD	4	CSAOSRSA (18)	CONTROL SYSTEM REGISTER AREA
(48)	CHARACTER		CSASOSI	SHORT ON STORAGE INDICATOR
(48)	BITSTRING	1	CSASSI1	SYSTEM SIGNAL INDICATOR 1
	1		CSAFPURG	DFHKCP HAS USED FORCE PURGE
	.1		CSAFTCAB	RMI forced TCAs below 16M
	1		CSASDTRN	SDTRAN STARTED
	1		*	
	1		*	
	1		*	
	1.		CSACSDOP	CSD OPEN IN START-UP
	1		CSASOSON	SHORT ON STORAGE CONDITION
(49)	CHARACTER		CSAKCMI	MAXIMUM NUMBER OF TASKS IND
(49)	BITSTRING	1	CSASSI2	SYSTEM SIGNAL INDICATOR 2 CONDITION
	1 .1		CSASTIM	SYSTEM TERMINATION INDICATOR MASK
	1		CSAFNLTM	FINAL TERMINATION PHASE POSTING MASK
	1		CSATCSCN CSAPLTPI	TCP full scan required PLTPI PHASE HAS COMPLETED
	1		CSAFETFI	TERMINAL CONTROL QUIESCE TASK
	1		CSATOPQW	TRANSACTION QUIESCE INDICATOR MASK
	1.		CSAMXTON	MAXIMUM TASK INDICATOR ON CONDITION
	1		CSATCPEV	TCP-KCP PENDING EVENT.
(4A)	CHARACTER	2	CSAKCMT	MAXIMUM NUMBER OF TASKS
(4C)	ADDRESS	4	CSACDTA	CURRENTLY DISPATCHED TASK ADDRESS
(50)	CHARACTER	4	CSATODP	TIME OF DAY, A PACKED INTEGER OF THE FORM HHMMSSTC WHERE HH IS HOURS,
, ,				MM IS MINUTES, SS IS SECONDS, T IS TENTHS OF A SECOND AND C IS A POSITIVE SIGN.
(54)	ADDRESS	4	CSAICEBA	INTERVAL CONTROL ELEMENT (ICE) CHAIN BEGINNING ADDRESS
(58)	HALFWORD	2	CSAICSIC	default DTIMOUT interval in seconds.
(5A)	BITSTRING	1	CSADATFT	DATE FORMAT INDICATOR
	1		*	
	.1		*	
	1		*	
	1		*	
	1		*	
	1		CSADATFY	FORMAT AS YYMMDD
	1.		CSADATFD	FORMAT AS DDMMYY
	1		CSADATFM	FORMAT AS MMDDYY
(5B)	BITSTRING	1	CSAICIND	INTERVAL CONTROL INDICATOR
	1		*	
	.1		•	
	1		*	
	1		*	
	1		*	
	1.		CSAICITP	ADJUSTMENT TASK PENDING MASK
			COAIGIT	ADDOD TWILLTE TACK FERDING WACK

Offset Hex	Туре	Len	Name (Dim)	Description
(5C)	1 FULLWORD	4	CSAICIAJ CSATADJT	TIME-OF-DAY ADJUSTMENT MASK TIME OF DAY ADJUSTMENT VALUE. THE DIFFERENCE BETWEEN THE OPERATING SYSTEM TIME OF DAY AND THE CICS TIME OF DAY EXPRESSED IN 300THS OF A
(60)	CHARACTER	4	CSACTODB	SECOND. CURRENT TIME OF DAY. A BINARY INTEGER OF WHICH THE LEAST SIGNIFICANT BIT REPRESENTS ONE ONE-HUNDREDTH OF A SECOND.
(60) (64)	FULLWORD FULLWORD	4 4	CSACSCC CSASBTI	COMMON SYSTEM CONTROL CLOCK SYSTEM PARTITION/REGION EXIT TIMER INTERVAL EXPRESSED IN 300THS OF A
(68)	ADDRESS	4	CSAEITHG	SECOND (CICS TIMER UNITS) IN THE THREE HIGH-ORDER BYTES. HIRED GUN TABLE ADDRESS
(6C)	CHARACTER	4	CSASITOD	SYSTEM INITIALIZATION TIME OF DAY IN BINARY SECONDS.
(6C)	FULLWORD	4	CSATODB	TIME OF DAY BINARY
(70) (74)	ADDRESS ADDRESS	4 4	CSACBDAN CSAPLBA	CBD table manager anchor PARTITION LOWER BOUNDARY ADDRESS
(78)	ADDRESS	4	CSAPUBA	PARTITION UPPER BOUNDARY ADDRESS
(7C)	CHARACTER	4	CSAJYDP	A PACKED INTEGER OF THE FORM 0CYYDDDS WHERE YY IS YEARS,DDD IS DAYS, C IS A CENTURY INDICATOR (0=1900 1=2000, 2=2100 etc) AND S IS A POSITIVE SIGN.
(80)	ADDRESS	4	CSASPFPA	ADDRESS OF SPECIAL FETCH- PROTECTED STORAGE AREA
(84)	BITSTRING 1	1	CSATRMF1 CSATRMAS	TRACE SYSTEM MASTER FLAGS TRACE MASTER FLAG. IF ON, TRACING OCCURS OF SYSTEM AND USER ENTRIES - ACCORDING TO INDIVIDUAL FLAGS
	.1		CSATRSYS	SYSTEM MASTER FLAG. IF ON, SYSTEM ENTRIES ARE TRACED
	1		CSATRUSE	USER MASTER FLAG. IF ON, USER ENTRIES ARE TRACED
	1		*	Reserved Reserved
	1		*	Reserved
	1.		CSATRFEP	TRACE FEPI
(OE)	1 BITSTRING	1	* CSATRMF2	Reserved
(85)	1	1	CSATRMKC	TRACE SYSTEM SELECTION FLAGS TRACE TASK CONTROL
	.1		CSATRMSC	TRACE STORAGE CONTROL
	1		CSATRMPC	TRACE PROGRAM CONTROL
	1		CSATRMIC CSATRMDC	TRACE INTERVAL CONTROL TRACE DUMP CONTROL
	1		CSATRMFC	TRACE FILE CONTROL, DL/I
	1.		CSATRMTD	TRACE TRANSIENT DATA
(00)	1		CSATRMTS	TRACE TEMPORARY STORAGE
(86)	BITSTRING 1	1	CSATRMF3 CSATRMRE	TRACE SYSTEM SELECTION FLAGS TRACE ALL RESPONSES (Reserved)
	.1		CSATRMEI	TRACE EXEC INTERFACE
	1		CSATRMDI	TRACE DATA INTERCHANGE
	1		CSATRMSP CSATRMTC	TRACE SYNC POINT TRACE TERMINAL CONTROL
	1		CSATRMITC	TRACE BUILT-IN FUNCTIONS
	1.		CSATRMBM	TRACE BMS
(07)	1		CSATRMJC	TRACE JOURNAL CONTROL
(87)	BITSTRING 1	1	CSATRMF4 CSATRMIS	TRACE SYSTEM SELECTION FLAGS TRACE ISC
	.1		CSATRMUE	TRACE USER EXIT INTERFACE
	1		CSATRMS5	Reserved
	1		CSATRMS4 CSATRMS3	Reserved Reserved
	1		CSATRMS2	Reserved
	1.		CSATRMS1	Reserved
(00)	1 BITSTRING	4	CSATRMLF	LIFO FLAG TASK STORAGE SELECTION FLAGS
(88)	1	1	CSATRMF5	Reserved
	.1		CSATSKCR	TASK STORAGE = CURRENT
(00)	11 1111		*	Reserved
(89)	BITSTRING 1	1	CSATRMF6 CSATRMCR	TERMINAL STORAGE SEL. FLAGS TERMINAL STORAGE = CURRENT
	.111 1111		*	Reserved
(8A)	UNSIGNED	1	CSAUSKEY	USER KEY IN IC/SPKA FORM
(8B) (8C)	UNSIGNED ADDRESS	1 4	CSACIKEY CSASITBA	CICS KEY IN IC/SPKA FORM SYSTEM INITIALIZATION TABLE (SIT) ADDRESS
(90)	FULLWORD	4	CSAUNQID	UNIQUE IDENTIFICATION COUNTER (BINARY FULLWORD COUNTER)
(94)	FULLWORD	4	CSAAIDBA	Reserved and must not be used
(98)	HALFWORD HALFWORD	2 2	CSASTIME CSALTIME	SNT tuning parm (from SIT) LUIT tuning parm (from SIT)
(9A)			CSALTIME CS LEVEL INDICATOR:	
(9C)	CHARACTER	1	CSAOPSYS	OPERATING SYSTEM
(9D)	CHARACTER	1	CSAOPREL	OPERATING SYSTEM RELEASE
(9E)	CHARACTER	1	CSACIDE	CICS SYSTEM
(9F) (A0)	BITSTRING ADDRESS	1 4	CSACIREL CSAKCNAC	CICS RELEASE Task control
(A4)	ADDRESS	4	CSASCNAC	Storage control
(A8)	ADDRESS	4	CSAPCNAC	Program control
(AC)	ADDRESS	4	CSAICNAC	Time control
(B0) (B4)	ADDRESS ADDRESS	4 4	CSADCNAC CSATCNAC	Dump control Terminal control
(B8)	ADDRESS	4	CSATCTCA	TERMINAL CONTROL TASK CONTROL AREA ADDRESS
(BC)	ADDRESS	4	CSAROCSA	Read-only CSA (for PL/1)
(C0) (C4)	ADDRESS CHARACTER	4 1	CSAICEXP CSASSI3	IC expiry TXN TCA addr Reserved (former ICVSW)
(04)	1	'	CSASTASK	Is there DS subtasking?

Offset Hex	Туре	Len	Name (Dim)	Description
	.1		CSASTPRO	Storage Protect flag
	1		CSATRISO	Tran Isolation Flag
	1		CSAFRCQR	1=> FORCEQR=FORCE
(C5)	1111 UNSIGNED	1	CSACIMOD	CICS modification level in hex
(C6)	HALFWORD	2	*	Reserved
(C8)	ADDRESS	4	CSAOPFLA	CSA OPTIONAL FEATURES LIST ADDRESS
(CC)	ADDRESS	4	CSA_RQMDANCH	Request model anchor
(D0)	CHARACTER	8	*	Reserved
(D8)	ADDRESS	4	CSABTCCB	BTAM MASTER CCB ADDRESS (DOS ONLY)
	CONSTAN	ITC		<u> </u>
(5.0)			*	MEMORY CONSTANT. ONOT
(DC)	CHARACTER	4	•	MEMORY CONSTANT - CNST
	MISCELLANEC	US CONST	ANTS	
(E0)	HALFWORD	2	*	Reserved
(E2)	HALFWORD	2	CSALEN	Length of CSA
(E4)	ADDRESS	4	CSACWAA	Address of CWA
(E8)	HALFWORD	2	CSACWAL	Length of CWA
(EA)	HALFWORD	2	*	Reserved
(EC)	CHARACTER	8	CSATCA31	31 bit TCA subpool token
(F4)	CHARACTER	8	CSATCA24	24 bit TCA subpool token
(FC) (104)	CHARACTER ADDRESS	8 4	CSARMSBP CSASANAC	Recovery table subpool token * PL/I STORAGE ALLOCATION PROGRAM ADDRESS
(104)	ADDRESS	4	CSATCADF	ADDR(proforma TCA)
(10C)	ADDRESS	4	CSAQRTCB	QR TCB address
(110)	ADDRESS	4	CSAEIPAD	EIP ADCON LIST (DFHEIP00)
(114)	ADDRESS	4	CSABRSAA	BR State Area
(118)	ADDRESS	4	*	Reserved
	SYSTEM CON BEGINNING AI		E	
(11C)	ADDRESS	4	CSATRRAT	Return addr to be traced
(120)	ADDRESS	4	CSAAINAC	Entry point of DFHAPIN
(124)	ADDRESS	4	CSACOBI2	Entry point of interface module DFHPCPC2, which allows 24bit COBOL pgms to be called, and return to, 31bit DFHPCP. This interface is used by OS/VS COBOL version 1.2.2
(128)	ADDRESS	4	CSATCTBA	ADDRESS OF TERMINAL CONTROL TABLE
(12C)	ADDRESS	4	CSAFCSBA	ADDRESS OF FILE CONTROL STATIC STORAGE
(130)	ADDRESS	4	CSADCTBA	ADDRESS OF TEMPORARY STORAGE COMMON AREA
(134)	ADDRESS BITSTRING	4 4	CSATSATA CSATSIEC	ADDRESS OF TEMPORARY STORAGE COMMON AREA
(138) (13C)	ADDRESS	4	*	TEMPORARY STORAGE INITIALISATION ECB Reserved
(130)		-		Neserveu
	OPEN & CL	OSE LIST		
(140)	ADDRESS	4	CSAPOLA	PROGRAM DATA SET OPEN LIST ADDRESS
(144)	ADDRESS	4	*	Reserved
(148)	ADDRESS	4	CSATOLA	TERMINAL DATA SET OPEN LIST ADDRESS
(14C) (150)	ADDRESS ADDRESS	4 4	CSAFOLA CSATDOLA	FILE DATA SET OPEN LIST ADDRESS TRANSIENT DATA DATA SET OPEN LIST ADDRESS
(150)	ADDRESS	4	CSATSOLA	TERMINAL STORAGE DATA SET OPEN LIST ADDRESS
(154)	ADDRESS	4	*	Reserved
(15C)	ADDRESS	4	CSABRFMA	DFHBRFM entry point
<u> </u>	ICS PROGRAM INTE	DDI IDT COI	NTDOL ADEA	,
(160)	CHARACTER	1	CSAPICA	Reserved
(161)	CHARACTER	3	*	Reserved
(164) (166)	CHARACTER HALFWORD	2 2	*	Reserved
(168)	ADDRESS	4	CSAPIEA	Reserved Reserved
	TIME OF DAY CONTI			
(16C)	FULLWORD	4	CSABASCL	BASE TIME-OF-DAY CLOCK VALUE (4.096 MILLISECONDS RESOLUTION)
(170)	FULLWORD	4	CSABASTU	BASE TIMER UNITS VALUE EXPRESSED IN 300THS OF A SECOND RESOLUTION
	CICS EXECUTION S	TATUS		
(174)	CHARACTER	3	CSAXST	CICS EXECUTION STATUS FLAGS
(174)	BITSTRING	1	CSAXST1	CICS EXECUTION STATUS
	1		*	
	.1		CSAXSTMC	CICS CONTROLLED SHUTDOWNIF CSAXSTM IS ALSO SET
	1		CSAXSTMI	CICS IMMEDIATE SHUTDOWNIF CSAXSTM IS ALSO SET
	1		CSAXSTMX	CICS HAS BEEN CANCELLEDIF CSAXSTM IS ALSO SET
	1		· CCAVCTA	CICC TEDMINATION
	1 1.		CSAXSTM	CICS TERMINATION CICS EXECUTION
	1		CSAXSEX CSAXSI	CICS EXECUTION CICS INITIALIZATION
(175)	BITSTRING	1	CSAXST2	CICS EXECUTION STATUS
(173)	1	'	*	5.55 2.2551.51. 51.1.50
	.1		*	
	1		CSAXSQ2	2ND-STAGE OF QUIESCE
	1		CSAXSQ1	1ST-STAGE OF QUIESCE
	1		*	
	1		CSAXSI3	3RD-STAGE INITIALIZATION
	1.		CSAXSI2	2ND-STAGE INITIALIZATION
(176)	1 BITSTRING	1	CSAXSI1 CSAXST3	1ST-STAGE INITIALIZATION CICS EXECUTION STATUS
(170)	1	'	*	OIOO EAEOOTION OTATOO

Offset Hex	Туре	Len	Name (Dim)	Description			
	.1 1		*				
	1		*				
	1		*				
	1 1.		*				
	1		CSAXSINC	CICS INITIALIZATION COMPLETE			
(177)	BITSTRING	1	* (1)	KEYPOINT FLAGS			
(470)	1		CSAINAKP	IN ACTIVITY KEYPOINT			
(178) (17C)	ADDRESS FULLWORD	4 4	CSANULLP CSAABPSW	Non 0 null address ABEND PSW SAVE AREA ADDRESS (DOS ONLY)			
(17C)	ADDRESS	4	CSASPFP2	addr of another fetch protected area			
(180)	ADDRESS	4	*	Available for future use *			
(184) (188)	ADDRESS ADDRESS	4 4	CSATDNAC CSATSNAC	Transient data entry Temp storage entry			
(18C)	ADDRESS	4	CSATCRWE	TCP read/write entry			
(190)	ADDRESS	4	CSAWTOAD	Write-to-operator routine			
(194)	ADDRESS	4	CSATRNAC	Trace entry			
(198)	ADDRESS	4	CSASPNAC	Sync point entry			
	SK ABNORMAL TER						
(19C)	CHARACTER	3	*	Reserved			
(19F)	BITSTRING 1	1	CSARUNKC CSASETRW	RUNAWAY TASK SUPPORT SET RUNAWAY TASK SUPPORT			
	.1		*	OLI KONAWAT TAOK SOLI OKT			
	1		*				
	1		*				
	1		*				
	1.		*				
	1		*				
(1A0)	ADDRESS	4	CSAICFNA	ADDRESS OF ABEND ROUTINE			
(1A4)	CHARACTER	8 1	CSAICRNX	ASSEMBLER CODE			
(1A4) (1A5)	CHARACTER CHARACTER	1	CSAICRIN				
(1A6)	CHARACTER	6	*				
	TIME MANAGEMEN	IT STORAG	E				
(1AC)	FULLWORD	4	CSATODTU	BINARY TIME OF DAY IN 300THS OF A SECOND			
(1B0)	FULLWORD	4	CSATCNDT	TERMINAL CONTROL'S NEXT DISPATCH TIME OF DAY IN 300THS OF A SECOND			
(1B4)	FULLWORD	4	CSAICRIC	RUNAWAY TASK TIME INTERVAL IN 300THS OF A SECOND IN THREE HIGH- ORDER			
(1B8)	CHARACTER	2	CSAICRUN	BYTES NUMBER OF RUNAWAY TASKS FLUSHED			
(1BA)	BITSTRING	1	CSARDATC	RELATIVE DATE COUNTER (BINARY)			
(1BB)	BITSTRING	1	*	Reserved			
	WORKARE	Α					
(1BC)	CHARACTER	8	*	MEMORY COMMENT - 'WORKAREA'			
	SYSTEM STAT	ISTICS					
(1C4)	ADDRESS	4	CSAFASTL	-> FAST LINK WORK AREA			
(1C8)	CHARACTER	2	CSAKPCNT	ACTIVITY KEYPOINT COUNTER			
(1CA)	HALFWORD	2	*	Reserved			
(1CC)	CHARACTER	2	CSAKCCT	CURRENT TASK ACCUMULATOR			
(1CE) (1D0)	CHARACTER CHARACTER	2 3	CSAKCMTA CSAKCTTA	MAXIMUM NUMBER OF TASKS ACCUMULATED TASK ORIGINATED ACCUMULATOR - TOTAL NUMBER OF TASKS CICS HAS			
(.50)	3	J	33, 31171	ORIGINATED			
(1D3)	CHARACTER	1	*	Reserved			
(1D4)	UNSIGNED	4	CSAPPFN	PPF change counter			
(1D8) (1DC)	UNSIGNED ADDRESS	4 4	CSATCTSV CSAPFTRR	TCTS change counter relay link PFT address			
(1E0)	ADDRESS	4	CSAPFTRS	relay link PFT address			
(1E4)	CHARACTER	1	*	Reserved			
	DUMP CON	TROL					
(1E5)	CHARACTER	2	*	Reserved			
	TEMP STORAGE	CONTROL					
(1E7)	CHARACTER	3	CSATSMSA	Reserved			
(1EA)	CHARACTER	3	CSATSASA	Reserved			
	SERVICE PROG	RAMS					
(1ED)	CHARACTER	2	CSASPA1	SERVICE PROGRAM ACCUMULATOR 1 Reserved			
(1EF)	CHARACTER	2	CSASPA2	SERVICE PROGRAM ACCUMULATOR 2 Reserved			
(1F1)	CHARACTER	3	CSASPA3	SERVICE PROGRAM ACCUMULATOR 3 (DUMP CONTROL WRITE ERROR COUNT)			
(1F4)	CHARACTER	3	CSATDNT	Reserved			
	USER TRANSACTION						
(1F7)	CHARACTER	3	CSAUTA1	USER TRANSACTION ACCUMULATOR 1			
(1FA)	CHARACTER	3	CSAUTA2	USER TRANSACTION ACCUMULATOR 2			
(1FD)	CHARACTER	3	CSAUTA3 CSAUTA4	USER TRANSACTION ACCUMULATOR 3 USER TRANSACTION ACCUMULATOR 4			
(200) (203)	CHARACTER BITSTRING	3 1	*	DUMMY PROGRAM TYPE OF REQUEST SAVE AREA - USED BY DUMMY PROGRAMS AS			
		•		FIELD CSATSTR			
(204)	CHARACTER		CSACSAEA	END OF CSA			

OPTIONAL FEATURE LIST

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	1280	CSAOPFL	FEATURE LIST DSECT
(0)	ADDRESS	4	*	Reserved
(4)	ADDRESS	4	CSAATTCH	ATTACH LIST ADDRESS - O/S
(8)	ADDRESS	4	CSASNSTA	LOCATION OF DFHSNSTA - SIGNON STATISTICS RECORDS
(C)	ADDRESS	4	*	Reserved
(10)	ADDRESS	4 4	CCATMCV/T	Reserved
(14) (18)	ADDRESS ADDRESS	4	CSATMSVT *	TERMINAL MONITOR SYSTEM (TMS) VECTOR TABLE ADDRESS Reserved
(10) (1C)	ADDRESS	4	CSADMRMP	CSD recovery Program
(20)	ADDRESS	4	CSASRNAC	SYSTEM RECOVERY PROGRAM ENTRY ADDRESS
(24)	ADDRESS	4	CSASRTBA	ADDRESS OF SYSTEM RECOVERY TABLE
(28)	ADDRESS	4	CSAKPNAC	KEY-POINT PROGRAM ENTRY ADDRESS
(2C)	ADDRESS	4	CSAATMSP	ATMS CONTROL POINTER
(30)	ADDRESS	4	CSAXLTBA	ADDRESS OF SYSTEM TERMINATION TRANSACTION LIST TABLE
(34)	ADDRESS	4	*	Reserved
(38)	ADDRESS	4	*	Reserved
(3C)	ADDRESS	4	CSATSTBA	ADDRESS OF TEMPORARY STORAGE TABLE
(40)	ADDRESS	4	CSAAIINN	DFHAIIN Entry point for AITM *
(44)	ADDRESS ADDRESS	4 4	CSACPINN CSAPRINN	DFHCPIN Entry point for CPIN * DFHPRIN Entry point for PRIN *
(48) (4C)	ADDRESS	4	CSAKCSC	ADDRESS of KC query program *
(50)	ADDRESS	4	*	Reserved
(54)	ADDRESS	4	CSAPLISL	ADDRESS OF SHARED LIBRARY COMMON MODULES
(58)	ADDRESS	4	CSAPLISM	ADDRESS OF SHARED LIBRARY NON-TASK-ONLY MODULES
(5C)	ADDRESS	4	CSASRAA	ADDRESS OF SRB CONTROL AREA
(5C)	HALFWORD	2	CSAOPF0E	
(5E)	HALFWORD	2	*	
(60)	ADDRESS	4	CSAMROQA	ANCHOR BLOCK FOR MRO W-Q
(64)	CHARACTER	2	CSAOPF1S	
(64)	HALFWORD	2	*	Reserved
(66)	CHARACTER	2		Reserved Reserved
(68)	CHARACTER CHARACTER	3 3	*	Reserved
(6B) (6E)	UNSIGNED	1	*	Reserved
(6F)	BITSTRING	1	CSAFEOPT	FERS OPTION BYTE
(0.)	1	•	*	12.00 01 110.112112
	.1		*	
	1		*	
	1		*	
	1		*	
	1		CSAFEAUX	AUXILIARY TEMPORARY STORAGE
	1.		CSAFEWST	WARM START
(70)	1		CSAFERST	EMERGENCY RESTART
(70)	ADDRESS	4 4	CSADINAC	DATA INTERCHANGE MODULE ADDRESS
(74)	ADDRESS	4	CSASTYDP	CICS START-UP DATE IN THE FORM 0CYYDDDS WHERE YY IS THE YEAR, DDD IS THE DAY, C IS THE CENTURY INDICATOR AND S IS A POSITIVE SIGN
(78)	ADDRESS	4	CSAFCXAD	ADDRESS OF DFHFCIN
(7C)	ADDRESS	4	CSACSAAD	ADDRESS OF CSA
(7C)	HALFWORD	2	CSAOPF1E	7,551,255 51 551
(7E)	HALFWORD	2	*	
(80)	ADDRESS	4	CSALFNAC	STANDARD LIFO PROLOGUE ROUTINE ADDRESS
(84)	ADDRESS	4	*	Reserved
(88)	ADDRESS	4	CSAMGNAC	ADDRESS OF DFHMGP MESSAGE PROGRAM
(8C)	ADDRESS	4	CSAMGTAC	ADDRESS OF MESSAGE TABLE
(90)	CHARACTER	8	CSACOMTK	SUBPOOL TOKEN FOR TERMINAL COMMAREA ABOVE THE LINE (CICS KEY STORAGE)
	MODULE ADD MODULE ADDRES		OKENS	
(98)	ADDRESS	4	*	Reserved (was CSAELRNA)
(9C)	ADDRESS	4	CSAXFPNA	ADDRESS OF EXEC TRANSFORMER PROGRAM
(A0)	ADDRESS	4	CSAISPNA	ADDRESS OF EXEC INTERSYSTEM PROGRAM
(A4)	ADDRESS	4	CSAXTPNA	ADDRESS OF TERMINAL SHARING TRANSFORMER PROGRAM
(A8)	ADDRESS	4	CSAEINAC	ADDRESS OF DFHEIP Exec nucleus *
(AC)	CHARACTER	8	CSAICA31	Subpool token ICE
(B4)	CHARACTER	8	CSAECATK	Subpool token for APECA
Spe	ecial area for Langua	ge Interface		
(BC)	ADDRESS	4	CSACEEPI	Address of CEEPIPI
(C0)	ADDRESS	4	CSABRSPA	Address of Bridge exit interface routine (SP)
(C4)	FULLWORD	4	CSACEEIL	Special interface level
(C8)	CHARACTER	4	CSACEEFG	Flags
(C8)	BITSTRING	1	CSACEEF1	Flag Byte
	1		CSACEELD	CEECCICS loaded
	1		CSACEEIN CSA_GLBLOPTS_ SET	LE/370 initialized Global options processed
	1		CSA_GLBLOPTS_ SET	Global default THREADSAFE
	1		CSA_QUASIRENT	Global default QUASIRENT
	111		*	reserved
(C9)	BITSTRING	1	CSALANG	Language byte
	1		ASMINIT	Assembler initialized by LE/370 *

Offset Hex	Туре	Len	Name (Dim)	Description
1107	.1		CINIT	C initialized by LE/370
	1		COBINIT	Cobol initialized by LE370 *
	1		PLIINIT	PL/I initialized by LE/370 *
	1		RPGINIT	RPG initialized by LE/370
(CA)	BITSTRING	1	CSALEFUN	active CICS/LE functions
	1		CSA_PROG_TYPE3	type 3 objects supported
	.1		CCA LE OTE	reserved
	1		CSA_LE_OTE CSA_REUSABLE_ RUWA	OTE support active
			CSA_NEOSABLE_ NOWA	RUWAs are reusable
	1		CSA_ABEND_ CANCEL	ABEND with CANCEL
	1		CSA_DUMP_ SUPPRESS	
				dump suppression
	1.		*	reserved
	1		*	reserved
(CB)	BITSTRING	1	*	reserved
(CC)	CHARACTER	8	CSACEEPT	LE/370 Partition token
(D4)	ADDRESS	4	CSACEERA	Address of interface routine *
(D8) (DC)	FULLWORD CHARACTER	4 4	CSACEETL CSA_INIT	Length of pre-allocated Thread storage CICS Initialization status flags
(DC)	BITSTRING	1	*	Oloo Ilillalization status liags
(50)	1	•	CSAPINIT	Partition Initialization for Languages has completed
	.1		CSA_PLI_ SUPPORTED	Tartitor milanzation for zarigatages has completed
				PL/I support is present
	11 1111		*	Reserved
(DD)	BITSTRING	3	*	Reserved
(E0)	ADDRESS	4	CSALIRNA	Address of DFHLIRET
(E4)	CHARACTER	8	CSA_PLB_SPTOKEN	Program Language Block Subpool Token
(EC)	ADDRESS	4	CSABRMSA	Address of Bridge exit interface routine (BMS)
(F0)	ADDRESS	4	CSABRTCA	Address of Bridge exit interface routine (TC)
(F4)	ADDRESS	4 4	CSABRICA	Address of Bridge exit interface routine (IC) Address of DFHEISR service routine
(F8) (FC)	ADDRESS ADDRESS	4	CSAEISR CSAERMNA	ADDRESS OF RESOURCE MANAGER I/F
(100)	ADDRESS	4	CSAETLNA	ADDRESS OF LU6.2 MAPPED STUB
(104)	ADDRESS	4	CSAEBUNA	ADDRESS OF FMH BUILDER
(108)	ADDRESS	4	CSAEEXNA	ADDRESS OF FMH EXTRACTOR
		NTROL MODUL		
(10C)	ADDRESS	4	CSATCNCA	ADDRESS OF DFHZCA
(110)	ADDRESS	4	CSATCNCB	ADDRESS OF DFHZCB
(114)	ADDRESS	4 4	CSATCNCD	ADDRESS OF DELIZOR
(118) (11C)	ADDRESS ADDRESS	4	CSATCNCP CSATCNCW	ADDRESS OF DFHZCP ADDRESS OF DFHZCW
(120)	ADDRESS	4	CSATCNCX	ADDRESS OF DEFIZEX
(124)	ADDRESS	4	CSATCNCY	ADDRESS OF DFHZCY
(128)	ADDRESS	4	CSATCNCZ	ADDRESS OF DFHZCZ
	BASIC MAPPING	SUPPORT MOI	DULE ENTRY ADDRESSES	
(12C)	ADDRESS	4	CSARLREA	ADDRESS OF ROUTE LIST RESOLUTION PROGRAM
(130)	ADDRESS	4	CSAPBPEA	ADDRESS OF PAGE BUILD PROGRAM
(134)	ADDRESS	4	CSAM32EA	ADDRESS OF 3270 MAPPING PROGRAM
(138)	ADDRESS	4	CSAMCXEA	ADDRESS OF BMS FAST PATH MODULE
(13C)	ADDRESS	4	CSATPPEA	ADDRESS OF TERMINAL PAGING PROGRAM
(140)	ADDRESS	4	CSAIIPEA	ADDRESS OF NON-3270 INPUT MAPPING PROGRAM
(144)	ADDRESS	4	CSADWEXA	ADDRESS OF DWE PROCESSING EXIT
(148)	ADDRESS	4	CSADSBEA	ADDRESS OF DATA STREAM BUILD PROGRAM
(14C)	ADDRESS	4	CSAPHPEA	ADDRESS OF PARTITION HANDLING PROGRAM
(150)	ADDRESS	4	CSAML1EA	ADDRESS OF LU TYPE 1 MAPPING PROGRAM
	MISCELLANE	OUS PROGRAM	1 ADDRESSÉS	
(154)	ADDRESS	4	CSARTSUA	Address of DFHRTSU Surrogate interface
(158)	ADDRESS	4	CSAPCNNA	ADDRESS OF NON-WORKING SET PROGRAM CONTROL PROGRAM
(15C)	ADDRESS	4	CSAGCAAC	ADDRESS OF GET_CAA ROUTINE *
(160)	ADDRESS	4	CSASCAAC	ADDRESS OF SET_CAA ROUTINE *
(164)	ADDRESS ADDRESS	4	CSACMPAC	ADDRESS OF TABLE MANAGER PROGRAM
(168) (16C)	ADDRESS	4 4	CSACMPAC CSAERMRS	ADDRESS OF MONITORING PROGRAM * Address of RMI Resync module *
(170)	ADDRESS	4	CSXCRLBA	Address of RMI Resync module ADDRESS OF BIND TIME LOGGING PROGRAM FOR OLD-MRO/LU6.1
(174)	ADDRESS	4	CSAACPNA	ADDRESS OF ABNORMAL CONDITION PROGRAM
(178)	ADDRESS	4	CSAIRPNA	ADDRESS OF INTER-REGION COMMUNICATION PROGRAM
(17C)	ADDRESS	4	CSAUEHNA	ADDRESS OF USER EXIT HANDLER PROGRAM
(180)	ADDRESS	4	CSACJVM	addr DFHCJVM - call JVM
(184)	ADDRESS	4	CSAMCYEA	addr BMS MAPPINGDEV module DFHMCY
(188)	ADDRESS	4	CSAXFXNA	ADDRESS OF FAST-PATH TRANSFORMER PROGRAM
(18C)	ADDRESS	4	CSACJVMG	addr DFHCJVMG - debug version of DFHCJVM
(190)	ADDRESS	4	CSAPSNAC	ADDR SYSTEM SPOOLING INTERFACE CONTROL MODULE
(194) (198)	ADDRESS ADDRESS	4 4	CSASKMNA *	ADDRESS SUBTASK MANAGEMENT MODULE Reserved
(196) (19C)	ADDRESS	4	*	Reserved
(1A0)	ADDRESS	4	CSAZBANA	ADDRESS ZC BIND ANALYSIS
(1A4)	ADDRESS	4	CSATBSNA	ADDRESS TABLE BLDR SERVS
(1A8)	ADDRESS	4	*	Reserved
(1AC)	ADDRESS	4	CSAXQONA	ADDRESS DFHZXQO
(1B0)	ADDRESS	4	CSAAPRDA	ADDRESS OF AP RD GATE
(1B4)	ADDRESS	4	CSAZCQNA	ADDRESS OF ZCQ INST/DELETE

Offset Hex	Туре	Len	Name (Dim)	Description	
	MISCELLANEOUS T CONTROL BLOCK A				
(1B8)	CHARACTER	4	CSAOPF3E		
	ADDRESSES OF C	ONTROL BLC	CKS WITHIN MODULE DFHCSA		
(1B8)	ADDRESS	4	CSASECBL	ADDRESS OF SECURITY CLASS BLOCK	
(1BC)	CHARACTER	4	*	Reserved	
(1C0)	CHARACTER	4	CSAOPF4S		
	ADDRESSES OF CO	NTROL BLOC	CKS NOT WITHIN MODULE DFHO	CSA.	
(1C0)	ADDRESS	4	CSASSA	ADDRESS OF STATIC STORAGE AREA ADDRESS LIST	
(1C4) (1C8)	ADDRESS ADDRESS	4 4	CSATCSEA CSAUETBA	ADDRESS OF LOCAL TERMINAL CONTROL SYSTEM ENTRY ADDRESS OF USER EXIT TABLE	
(1CC)	ADDRESS	4	CSAMROQP	Address of MRO work Q manager previously CSAMCTBA	
(1D0)	ADDRESS	4 4	CSAPCTTA	ADDRESS OF PROGRAM CUTCK (AREAD TRACE TARLE	
(1D4) (1D8)	ADDRESS ADDRESS	4	CSASTRTA CSACRBA	ADDRESS OF PROGRAM CHECK / ABEND TRACE TABLE ADDRESS OF CICS REGION BLOCK	
(1DC)	ADDRESS	4	CSASDTA	ADDRESS OF SERIES DEFINITION TABLE (WHEREBY HANG ALL VOLUME MANAG'T DATA)	
(1E0)	ADDRESS	4	CSAKPPVC	ADDRESS OF KEYPOINT ADDRESS VECTOR	
(1E4)	ADDRESS	4	CSAVSCAA	ADDRESS OF VSCA	
(1E8) (1EC)	ADDRESS ADDRESS	4 4	CSATDSTA CSAPSCBA	ADDRESS OF TD STATIC STORAGE ADDR OF SYS SPOOLING INTERFACE GLOBAL CONTROL BLOCK(PSG).	
(1F0)	CHARACTER	4	CSADLECB *	DLI RESTART TASK ECB	
	.1		CSADLPST	DLI RESTART TASK POST BIT	
(1F4) (1F5)	UNSIGNED CHARACTER	1 3	CSADLRRC *	DLI RESTART TASK RETURN CODE * Reserved	
(1F3) (1F8)	ADDRESS	4	CSAILBOC	ADDRESS OF OS/VS COBOL ILBOCOM MODULE	
(1FC)	BITSTRING	1	CSARUPBT CSAERMSG	EMERGENCY RESTART DFHRUP FLAG BYTE 'YES' TO MSG DFH2839 ISSUED DURING E/R	
(1FD)	BITSTRING	1	*	RESERVED	
(1FE) (1FF)	BITSTRING BITSTRING	1 1	*	RESERVED RESERVED	
(200)	CHARACTER	8	CSAURDTK	URD/non-task DWE subpool token	
	CATALOG CONTR	OL FLAG BY	TES	<u>'</u>	
(208)	BITSTRING	1	CSACATFL	CATALOG flag byte	
(===)	1	·	CSACATDF	CATALOG defined	
(209)	BITSTRING 1	1	CSALOGFL CSALOGDF	SYSTEM LOG flag byte SYSTEM LOG defined	
	.1		CSALOGDI	on disk	
	1		CSALOGTP	on tape	
(20A) (20B)	BITSTRING BITSTRING	1 1	*	Reserved Reserved	
(200)	INTER-REGION CO		ON ELAC DVTES	Neserveu	
(000)				OLOGO DEGLOVE LAG DIVER	
(20C)	BITSTRING 1	1	CSACRFL1 CSACRNTC	CICS REGION FLAG BYTE DFHTCP GENERATED WITHOUT IRC	
	.1		CSACRNXF	CICS INITIALISED WITHOUT DFHXFP	
	1		CSACRNAU CSACRSTF	DFHSIP IS NOT APF-AUTHORISED HIGH-LEVEL STAE FAILED	
(20D)	BITSTRING	1	CSACRFL2	CICS REGION FLAG BYTE 2	
` ,	1		CSACRASS	ASSOCIATE has been issued	
	.1		CSACRWEA	MRO work queue els acquired *	
	BASIC MAPPIN	IG SUPPORT	FLAG BYTE		
(20E)	BITSTRING	1	CSABMSFL	BMS FLAG BYTE	
	1 .1		CSACSPQI CSAALIGN	TRANSACTION CSPQ HAS BEEN INITIATED PRE 1.6 MAPS ARE ALIGNED	
	1		CSANDDS	NO DEVICE DEPENDENT SUFFIXING	
(20F)	1 BITSTRING	1	CSANSKR *	NO SINGLE KEY RETRIEVAL Reserved	
(201)		MPONENT FI	ELDS	Novorrou	
(210)	BITSTRING	1	*	Reserved	
(211)	BITSTRING	1	CSASNFLG	SIGNON COMPONENT FLAGS	
	1		CSASNXRF	COPY OF SITXSFRC FLAG	
(212) (214)	BITSTRING CHARACTER	1 4	* (2) *	Reserved Reserved	
	WEB STORAGE AN	ICHOR ADDR	ESS		
(218)	ADDRESS	4	CSAWEBAN	Stg anchor for Web	
	EXECUTABLE SUP	ERVISOR CA	LL INSTRUCTIONS		
(21C)	FULLWORD	4	*	Reserved	
(220) (220)	CHARACTER BITSTRING	2 1	CSASVSVC *	SERVICE SVCFROM CICS SVC	
(221)	BITSTRING	1	CSASVSNO	SERVICS SVC NUMBER	
(222)	CHARACTER	2	CSASISVC	SERVICE INITIATION SVC	
(222) (223)	BITSTRING BITSTRING	1 1	* CSASISNO	FROM SRBSVC SERVICE INIT.SVC NUMBER	
(220)		CS FIELDS	33/10/0110	SERVICE MILLOYO HOMBER	
(00.4)			*	Decembed	
(224)	HALFWORD	2		Reserved	

Offset Hex	Туре	Len	Name (Dim)	Description
(226)	HALFWORD	2	CSATBSDD	DFHBSMSG DIAGNOSTIC DUMP CODE *
(228)	FULLWORD	4	CSAKCTOF	STATISTICS - TASK COUNT OVERFLOW
(22C) (230)	ADDRESS ADDRESS	4 4	CSAXSTMA *	DFHZXST map anchor Reserved
(234)	ADDRESS	4	*	Reserved
	PROTECTED STOR	RAGE ADDR	RESS LIMITS	
(238)	ADDRESS	4	CSAPROTL	LOWER LIMIT OF PROTECTION
(23C)	ADDRESS	4	CSAPROTU	UPPER LIMIT OF PROTECTION NOTE: ABOVE 2 FIELDS MUST BE CONTIGUOUS
	RESOURCE MANA	GER INTER	FACE RECOVERY FIELDS	
(240)	ADDRESS	4	CSAKELCL	address of dfhkelcl
(244)	ADDRESS	4 4	CSAKELRT	address of dfhkelrt start of dfhkelrt window
(248) (24C)	ADDRESS ADDRESS	4	CSAKELOW CSAKELCW	end of dfhkeirt window
(250)	ADDRESS	4	*	Reserved
(254)	FULLWORD	4	*	Reserved
	CICS SERVICE-L	EVEL SUPF	PORT FIELD	
(258)	ADDRESS	4	CSACICNA	ADDRESS OF SERVICE-LEVEL ENTRYPT
(25C)	ADDRESS	4	*	Reserved
	SPECIAL IN			
(260)	FULLWORD	4	CSACOBIL	SPECIAL INTERFACE LEVEL
(264) (264)	CHARACTER BITSTRING	4 1	CSACOBFG *	FLAGS
(204)	1		CSACOBIN	Cobol II Initialized
	.111 1111		*	
(265)	BITSTRING	3	*	COPOL PARTITION TOKEN
(268) (270)	CHARACTER ADDRESS	8 4	CSACOBPT CSACOBRA	COBOL PARTITION TOKEN ADDRESS OF INTERFACE ROUTINE
	CICS SYSTEM D	EFINITION (USER COUNT	
(274)	FULLWORD	4	CSACSDCT	NUMBER OF CURRENT USERS OF CICS SYSTEM DEFINITION
(278)	FULLWORD	4	CSADBLA	DYNAMIC BACKOUT LOG ACCESS
(27C)	FULLWORD	4	CSADBSA	DYNAMIC BACKOUT SPILL ACCESS
	SPECIAL INTER			
(280)	FULLWORD CHARACTER	4	CSACELIL CSACELFG	Special interface level
(284) (284)	BITSTRING	4 1	CSACELFG CSACELF1	Flags Flag byte 1
(20.)	1	·	CSACELLD	EDCCICS loaded
	.1		CSACELIN	C/370 initialized
	1		CSACELMS	message DFH0410 sent
(285)	BITSTRING	3	* CSACELPT	C/270 position taken
(288) (290)	CHARACTER ADDRESS	8 4	CSACELRA	C/370 partition token Address of interface rtn
(294)	FULLWORD	4	CSACELTL	Length of thread storage
(298)	FULLWORD	4	*	Reserved
(29C)	FULLWORD	4	* (1)	Reserved
(2A0)	ADDRESS HALFWORD	4 2	CSALFXAC CSAOPF4E	LIFO EXIT ROUTINE ADDRESS.
(2A0) (2A2)	HALFWORD	2	*	
(2A4)	FULLWORD	4	*	Reserved
	FURTHER MISCEL		OTUED INFORMATION	
/2 A = 1		SSES AND	OTHER INFORMATION	OTADT OF DI OOK F
(2A8) (2A8)	CHARACTER BITSTRING	1	CSAOPF5S CSAPLTSC	START OF BLOCK 5 PLTPI security options
(ZAO)	1	'	CSAPLTCM	Command level check
	.1		CSAPLTRS	Resource level check
	11 111.		*	Reserved
(0.4.0)	1		CSAPLTYS	PLTPI requested
(2A9) (2A9)	CHARACTER UNSIGNED	11 1	CSAPLTID CSAPLTIL	PLTPI user id PLTPI user id length
(2A9) (2AA)	CHARACTER	10	CSAPLTIV	PLTPI user id religiti PLTPI user id value
(2B4)	CHARACTER	8	CSAAID31	AID token
(2BC)	ADDRESS	4	CSAEXNQS	EXEC enqueue pool (string)
(2C0)	ADDRESS	4	CSAEXNQA	EXEC enqueue pool (address)
(2C4) (2C8)	ADDRESS ADDRESS	4 4	CSAEXNQG *	EXEC enqueue pool (global) Reserved
(2CC)	CHARACTER	8	CSABMSPT	BMS CICS LIFETIME SP TOKEN
(2D4)	CHARACTER	8	CSAEDFTK	EDF Subpool token
(2DC)	ADDRESS	4	CSADBCR	address of DFHDBCR
(2E0)	ADDRESS	4	*	Reserved
(2E4) (2E8)	ADDRESS ADDRESS	4 4	CSADLI CSABFNAC	DL/I interface entry Built-in function
(2EC)	ADDRESS	4	CSABMS	BMS control entry
(2F0)	ADDRESS	4	CSAJCNA1	Journal control entry
(2F4)	ADDRESS	4	CSAJCNA2	Journal control entry
(2F8)	ADDRESS	4	CSADLIM	Entry point of DFHDLI
(2FC) (2FC)	CHARACTER CHARACTER		CSAOPF5E CSAOPF6S	END OF BLOCK 5 START OF BLOCK 6
(2FC)	ADDRESS	4	CSAAUGWA	Address of CAU GWA
(300)	CHARACTER		*	Alignment
(300)	CHARACTER	8	CSAAPXDS	Subpool for trandef ext

Offset	Туре	Len	Name (Dim)	Description
Hex (308)	CHARACTER	8	CSADRPGN	DYNAMIC ROUTING PROGRAM NAME
(310)	ADDRESS	4	CSAFCEP	FILE CONTROL ENTRY POINT
(314)	CHARACTER	4	*	reserved
(318)	ADDRESS	4	CSATCNCR	address of DFHZXCR
	ART OF XRF SPECIF			addless of DTTEAGN
	ART OF ARE SPECIF	IC ADDRES		
(31C)	ADDRESS	4	CSAXRPNA	Address of DFHXRP
(320)	ADDRESS	4	*	Reserved
(324)	ADDRESS	4	CSAXRFNT	Address of DFHWMS
EN	ID OF XRF SPECIFIC	ADDRESS	ES	
	AP Domain: Domain	storage con	trol areas	
(328)	CHARACTER	8	CSADWETK	DWE subpool
(330)	CHARACTER	8	CSADS24T	Subpool token for storage below 16M
(338)	CHARACTER	8	CSARMRTT	Subpool token for recovery mgr recovery table storage
(340)	CHARACTER	8	CSADSANT	Subpool token for storage anywhere
AP D	omain: MISC. MODU	LES AND S	UBROUTINES	
(348)	ADDRESS	4	CSAAPDSN	Dispatcher TASK_REPLY gate *
(34C)	ADDRESS	4	CSAAPJCN	Journalling gate service *
(350)	ADDRESS	4	CSAAPEPN	User exit gate program
(354)	ADDRESS	4	*	Reserved
(358)	ADDRESS	4	CSAAPSTN	Statistics gate service
(35C)	ADDRESS	4	*	Reserved
(360)	ADDRESS	4	CSAAPTIN	Timer gate service
(364)	ADDRESS	4	CSAAPTRN	Trace gate service
(368)	ADDRESS	4	CSASNUSN	SIGNON Backend Subroutine *
(36C)	ADDRESS	4	CSASUSXN	XRF Security Subroutine
(370)	ADDRESS	4	CSASUWTN	WTO Interface Subroutine *
(374)	ADDRESS	4	CSASUZXN	ZC Trace Controller Subroutine *
(378)	ADDRESS	4	CSAAPTIM	midnight task module
(37C)	ADDRESS	4	CSAAPTIX	expiry task module
(380)	ADDRESS	4	CSAAPSTG	AP Domain - statistics global storage
(384)	ADDRESS	4	CSATDNA2	Transient Data Internal Entry - address of DFHTDQ
(388)	FULLWORD	4	CSAHPOCT	HPO count
(38C)	ADDRESS	4	CSAZCUTN	attachsec userid table mgr
(390)	ADDRESS	4	CSASMATK	SM access token (for SMSR INQUIRE ACCESS function)
(394)	ADDRESS	4	CSASMITK	SM isolation token (for SMSR SWITCH_SUBSPACE function)
(398)	ADDRESS	4	CSATSITK	TS inquire token (for TSSH INQUIRE_POOL_TOKEN func
(39C)	CHARACTER	8	CSADU24T	Subpool token for USER key storage below 16M
(3A4)	ADDRESS	4	CSASZADA	FEPI Adapter prog address
(3A8)	CHARACTER	8	CSACOBTK	OS/VS COBOL Subpool token
(3B0)	CHARACTER	J	CSAOPF6E	END OF BLOCK 6
		. = . = -		
VE	CTOR of Addresses	of EXEC Co	mmand Processor Mod	dules

Listed in order of Group Code
Named as the modules, with CSA replacing DFH

(3B0)	CHARACTER	336	CSAEXECS	Base for vector
	Gro	up Commar	nd Group	
(3B0)	ADDRESS	4	CSAEIP	00 DFHEIP (slot left null) *
(3B4)	ADDRESS	4	CSAEEI	02 Assign, etc
(3B8)	ADDRESS	4	CSAETC	04 Terminal
(3BC)	ADDRESS	4	CSAEIFC	06 File
(3C0)	ADDRESS	4	CSAETD	08 Transient Data
(3C4)	ADDRESS	4	CSAEITS	0A Temporary Storage
(3C8)	ADDRESS	4	CSAESC	0C Storage
(3CC)	ADDRESS	4	CSAEPC	0E Program
(3D0)	ADDRESS	4	CSAEIIC	10 Time
(3D4)	ADDRESS	4	CSAEKC	12 Task
(3D8)	ADDRESS	4	CSAEJC	14 Journalnum
(3DC)	ADDRESS	4	CSAEISP	16 Syncpoint
(3E0)	ADDRESS	4	CSAEMS	18 BMS
(3E4)	ADDRESS	4	CSAETR	1A Trace
(3E8)	ADDRESS	4	CSAEDC	1C Dump
(3EC)	ADDRESS	4	CSAEDI	1E Issue
(3F0)	ADDRESS	4	CSAEBF	20 BIF
(3F4)	ADDRESS	4	CSAUEM	22 Enable/disable exits *
(3F8)	ADDRESS	4	CSAEGL	24 GDS
(3FC)	ADDRESS	4	*	26 Reserved
(400)	ADDRESS	4	*	28 Reserved
(404)	ADDRESS	4	*	2A Reserved
(408)	ADDRESS	4	*	2C Reserved
(40C)	ADDRESS	4	*	2E Reserved
(410)	ADDRESS	4	CSAEICRE	30 All CREATE commands
(414)	ADDRESS	4	*	32 Reserved
(418)	ADDRESS	4	CSAEIBAM	34 Reserved
(41C)	ADDRESS	4	CSAEIEM	36 Event Manager
(420)	ADDRESS	4	CSAEIWB	38 Web commands
(424)	ADDRESS	4	CSAEIQRR	3A Reserved
(428)	ADDRESS	4	CSAEIDH	3C Document Commands
(42C)	ADDRESS	4	CSAEISO	3E Sockets Commands
(430)	ADDRESS	4	*	40 Used by DL/I
(434)	ADDRESS	4	CSAEIQTM	42 INQ/REM Autinstmodel *
(438)	ADDRESS	4	CSAEIQPN	44 INQ/REM Partner
(43C)	ADDRESS	4	CSAEIQPF	46 INQ/REM Profile

Offset Hex	Туре	Len	Name (Dim)	Description
(440)	ADDRESS	4	CSAETRX	48 Trace (enhanced)
(444)	ADDRESS	4	CSAEIDTI	4A Asktime/Formattime
(448)	ADDRESS	4	CSAEIQDS	4C INQ/SET/REM File
(44C)	ADDRESS	4	CSAEIQSP	4E INQ/SET/REM Program
(450)	ADDRESS	4	CSAEIQSX	50 INQ/SET/REM Transaction *
(454)	ADDRESS	4	CSAEIQST	52 INQ/SET/REM Terminal *
(458)	ADDRESS	4	CSAEIQSA	54 INQ/SET System
(45C)	ADDRESS	4	CSAEPS	56 Spooler
(460)	ADDRESS	4	CSAEIQSC	58 INQ/SET/ Connection
(464)	ADDRESS	4	CSAEIQSM	5A INQ/SET Modename
(468)	ADDRESS	4	CSAEIQSQ	5C INQ/SET Tdqueue
(46C)	ADDRESS	4	CSAEIQSK	5E INQ/SET Task
(470)	ADDRESS	4	CSAEIQSJ	60 INQ/SET Journalnum
(474)	ADDRESS	4	CSAEIQSV	62 INQ/SET Volume
(478)	ADDRESS	4	CSAEIPSE	64 PERF Security Rebuild *
(47C)	ADDRESS	4	CSAEIQDU	66 INQ/SETdump
(480)	ADDRESS	4	CSAEIQVT	68 INQ/SET VTAM
(484)	ADDRESS	4	CSAESE	6A Query Security
(488)	ADDRESS	4	CSAEOP	6C WTO, etc.
(48C)	ADDRESS	4	CSAEIQIR	6E INQ/SET IRC
(490)	ADDRESS	4	CSAEIQMS	70 INQ/SET Monitor, Stats *
(494)	ADDRESS	4	CSAEIPRT	72 PERF Resettime
(498)	ADDRESS	4	CSAESN	74 Sign-on/off
(49C)	ADDRESS	4	CSAEIPSH	76 PERF Shutdown
(49C) (4A0)	ADDRESS	4	CSAEIQTR	78 INQ/SET Trace
(4A4)	ADDRESS	4	CSAEIQTN	7A INQ/SET Dsname
(4A4) (4A8)	ADDRESS	4	CSAEIQMT	7C old CEMT commands
(4AC)	ADDRESS	4	CSAEDCP	7E Dump Transaction/System *
(4AC) (4B0)	ADDRESS	4	CSAEIQTS	80 INQ TSQUEUE
(4B4)	ADDRESS	4	CSAESZ	82 FEPI - API
(4B4)	ADDRESS	4	CSAEIQSZ	84 FEPI - SPI
(4BC)	ADDRESS	4	CSAEIACQ	86 ACQUIRE
(4C0)	ADDRESS	4	CSAEIQUE	88 INQ Exitprogram
(4C4)	ADDRESS	4	CSAEIQRQ	8A INQ Regid
(4C8)	ADDRESS	4	CSAEMEX	8C ME Domain exec
(4CC)	ADDRESS	4	CSAEIQDE	8E INQ CBD COMMANDS
(4D0)	ADDRESS	4	CSAEIUOW	90 INQ UOW UOWENQ UOWLINK
(4D4)	ADDRESS	4	CSAEIQSL	92 Ing Journalmodel
(4D4)	ADDRESS	4	CSAEIQD2	94 Ing/set CICS/DB2 objects
(4DC)	ADDRESS	4	CSAEIQBA	96 Ing/set BAM objects
(4E0)	ADDRESS	4	CSAEIQCF	98 Ing CFDTPOOL
(4E4)	ADDRESS	4	CSAEIQOP	9A Ing Requestmodel
(4E8)	ADDRESS	4	CSAEIQSO	9C Ing TCPIPSERVICE
(4EC)	ADDRESS	4	CSAEIQDH	9E Ing DOCTEMPLATE
(4EC)	ADDRESS	4	*	A0 Reserved
(4F4)	ADDRESS	4	*	A2 Reserved
(4F8)	ADDRESS	4	*	A4 Reserved
(4FC)	ADDRESS	4	*	A6 Reserved
(0)		module addre		

END OF OPTIONAL FEATURES LIST

(500) CHARACTER Reserved

Constants

Len 1	Type HEX	Value FD	Name CSAMXTOF	Description MAXIMUM TASK INDICATOR OFF		
CSA	OPERATING SYST AOPSYS - OPERATING	TEM AND CICS LEVEL II	NDICATORS			
1	CHARACTER	E	CSAVSE	DOS/VSE		
1	CHARACTER	M	CSAMVS	OS/MVS		
1	CHARACTER	Χ	CSAMVX	MVS/ESA		
CSAOPREL - OPERATING SYSTEM RELEASE CSACIREL - CICS RELEASE						
1	HEX	14	CSAC14	VERSION 1, RELEASE 4		
1	HEX	15	CSAC15	VERSION 1, RELEASE 5		
1	HEX	16	CSAC16	VERSION 1, RELEASE 6		
1	HEX	17	CSAC17	VERSION 1, RELEASE 7 CICS/MVS		
1	HEX	21	CSAC21	VERSION 2, RELEASE 1 CICS/ESA		
1	HEX	31	CSAC31	VERSION 3, RELEASE 1		
1	HEX	32	CSAC32	VERSION 3, RELEASE 2		
1	HEX	33	CSAC33	VERSION 3, RELEASE 3		
1	HEX	41	CSAC41	VERSION 4, RELEASE 1		
1	HEX	51	CSAC51	VERSION 5, RELEASE 1		
1	HEX	52	CSAC52	VERSION 5, RELEASE 2		
1	HEX	53	CSAC53	VERSION 5, RELEASE 3		
1	HEX	00	CSAMOD00	modification level 0		
1	HEX	01	CSAMOD01	modification level 1		
1	HEX	02	CSAMOD02	modification level 2		
1	HEX	03	CSAMOD03	modification level 3		

Len	Туре	Value	Name	Description		
	MODULE ENTRY ADDRESS					
1	HEX	80	CSASCPXM	STORAGE CONTROL PROGRAM CHECK		
	TASK ABNORMAL TERMIN. INTERFACE					
1	HEX	0E	CSAICRMN	ABEND TASK INDICATOR MASK - ON		
1	HEX	FE	CSAICRMF	ABEND TASK INDICATOR MASK - OFF		
	CONSTANT VALUES FOR CSADLRRC					
1	DECIMAL	0	CSADLNRM	NORMAL RESPONSE		
1	DECIMAL	16	CSADLDER	DISASTROUS ERROR		

CTXPA DL/I general purpose macro

MACRO NAME = DFHDLP
DESCRIPTIVE NAME = CICS DL/I General Purpose Macro FUNCTION = NOTES: DEPENDENCIES = S/370
RESTRICTIONS = NONE
PATCH LABEL = NONE
MODULE TYPE = EXECUTABLE

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHCTXPA	,
(0)	ADDRESS	4	CTEINIT	Init Token - Addresses the DGB
(4)	CHARACTER	4	CTEDBCTL	DCBTL ID
(8)	CHARACTER	2	CTEOFUNC (0)	DRA Over-all function code
(8)	CHARACTER	1	CTEFUNC	DRA Function code
` ,	1.		CTERSYN	"X'02" Resync
	1.1		CTEFAIL	"X'05" DRÁ/DBCTL Failure
(9)	BITSTRING	1	CTESFUNC	DRA Sub-function code
` ,	1		CTEIDFL	"X'01" IDENTIFY Failed
	1.		CTECANC	"X'02'" INIT request failed
	11		CTEDBCF	"X'03'" DBCTL has terminated
	1		CTEDRAF	"X'04" DRA Abnormally terminating
	1.1		CTEDBCC	"X'05'" /CHR FREEZE issued
(A)	HALFWORD	2	CTEIDLEN	In-doubt List Length (-1 indicates failure in Adapter)
(C)	ADDRESS	4	CTEIDPTR	In-doubt List pointer
(10)	CHARACTER	8	CTEJOBNM	Johname of active DBCTL sub-system
(18)	CHARACTER	1	CTECRC	DBCTL Command Recognition character
(19)	CHARACTER	1	CTERGTY	DBCTL Region type
()	1		CTEDBCX	"X'01" DB/DC with XRF
	1.		CTEDBCO	"X'02" DB/DC Only
	1		CTEDBCL	"X'04" DBCTL
(1A)	BITSTRING	2	CTEMITCB	Minimum number of TCBs
(1C)	BITSTRING	2	CTEMATCB	Maximum number of TCBs
(1E)	CHARACTER	1	CTERCOD	DBCTL Failure reason code
()	1	•	CTESSF	"X'01" MVS SSI Failure
	1.		CTEABND	"X'02" DBCTL Abend
	11		CTEGMF	"X'03'" DRA Getmain Failure during INIT
	1		CTEOPC	"X'04'" System Operator cancelled Init
	1.1		CTEDBNZ	"X'05" DBCTL set non-zero ret on Identify
	11.		CTEESTF	"X'06" DRA could not establish ESTAE
	111		CTEDRAA	"X'07" DRA abended
	1		CTENTUP	"X'08" DBCTL is not active
	11		CTENOSS	"X'09" DBCTL does not exist
	1.1.		CTENINT	"X'0A" DBCTL is in initialisation process
	1.11		CTERSTN	"X'0B" DBCTL init done, waiting for restart
	11		CTERST	"X'0C" DBCTL is in restart process
	11.1		CTEBRST	"X'0D" Backup in ERE mode
	111.		CTETKOV	"X'0E" Takeover mode
	1111		CTEITCF	"X'0F" Internal DRA TERM after CHEFZ
			OTETIOI	A OF THE HIGH DIVATE IN THE STATE OF THE STA
	CL3		075040570	DIDLOTTO.
(1F)	BITSTRING	4	CTEPARETC	PAPARETC
(23)	BITSTRING	2	CTEASID	DBCTL ASID
(25)	CHARACTER	8	CTEJOBID	DBCTL JES Job ID
(2D)	CHARACTER	8	CTERSEN	DBCTL RSE Name
(38)	FULLWORD	4	CTENOMITHD	Number of times min thread hit
(3C)	FULLWORD	4	CTENOMATHD	Number of times max thread hit
(40)	FULLWORD	4	CTEELMAX	Elapsed time at max thread
(44)	FULLWORD	4	CTEHIWAT	Highest number of threads attached
	.1 1		CTELNGTH	"*-DFHCTXPA" End of Control Exit Parameter List

CWE DL/I general purpose macro

MACRO NAME = DFHDLP DESCRIPTIVE NAME = CICS DL/I General Purpose Macro FUNCTION = NOTES: DEPENDENCIES = S/370 RESTRICTIONS = NONE PATCH LABEL = NONE MODULE TYPE = EXECUTABLE

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHCWE	,
(0)	FULLWORD	4	CWELEN	Length of CWE
(4)	ADDRESS	4	CWEFCHN	Forward chain
(8)	ADDRESS	4	CWEBCHN	Backwards chain
(C)	BITSTRING	1	CWEFLAG	CWE flags
	1		CWEINUSE	"X'80'" CWE in use bit
(D)	BITSTRING	1	CWETYPE	Type of CWE entry
	11 11		CWETERM	"C'I'" Terminate CWE
(E)	BITSTRING	1	(2)	reserved
(10)	BITSTRING	1	CWEDUMMY (0)	CWE function dependent area
	1		LCWETERM	"*-DFHCWE"

DBCTL unsolicited statistics **DBU**

CONTROL BLOCK NAME = DFHDBUDS DESCRIPTIVE NAME = CICS DBCTL Unsolicited Statistics FUNCTION = This DSECT describes the DBCTL unsolicited statistics This copybook maps DBCTL unsolicited statistics. The storage area is built at the end of each DBCTL session. The copybook is used by DFHSTUP and user programs requiring access to DBCTL statistics data. For Local DL/I statistics see DFHA18DS. LIFETIME = Duration of the domain call to statistics domain LOCATION = Caller is passed a pointer to the head of the block. INNER CONTROL BLOCKS = None DEPENDENCIES = S/370 RESTRICTIONS = none
MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = In DBCTL GLOBAL VARIABLES (Macro pass) = None and STADTIME to 'local STCK'

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHDBUDS	DBCTL USS
(0)	FULLWORD	4	(0)	Reserved
(0)	HALFWORD	2	DBULEN	Length of data area
	1 11		DBUIDE	"28" DBCTL USS id mask
(2)	ADDRESS	2	DBUID	DBCTL USS stats id
	1		DBUVERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	DBUDVERS	DBCTL USS version number
(5)	CHARACTER	3		Reserved
(8)	FULLWORD	4	STATSENO	CICS-DBCTL session No
(C)	CHARACTER	4	STATDBID	DBCTL id
(10)	CHARACTER	8	STARSEN	RSE name
(18)	BITSTRING	8	STACTIME	Connect time (GMT STCK)
(20)	BITSTRING	8	STADTIME	Disconnect time (GMT STCK)
(28)	HALFWORD	2	STAMITHD	Minimum number of threads
(2A)	HALFWORD	2	STAMATHD	Maximum number of threads
(2C)	FULLWORD	4	STANOMITHD	No. of times min threads hit
(30)	FULLWORD	4	STANOMATHD	No. of times max threads hit
(34)	BITSTRING	8	STAELMAX	Elapsed time at max threads
(3C)	FULLWORD	4	STAHIWAT	Hi-water for No. of threads
(40)	FULLWORD	4	STAPSBSU	Total No. successful PSB schedules
(44)	BITSTRING	8	STALCTIM	Connect Time (Local STCK)
(4C)	BITSTRING	8	STALDTIM	Disconnect Time (Local STCK)
	.1.1 .1		DBUEND	"*" End of DSECT

Offset Hex	Туре	Len	Name (Dim)	Description
	.1.1 .1		DBUCLEN	"*-DBULEN" Length of DSECT

DBWMS XRF/DBCTL last message sent

CONTROL BLOCK NAME = DFHDBWMS

DESCRIPTIVE NAME = CICS XRF/DBCTL Last Message Sent FUNCTION = Maps the XRF message for DBCTL

LIFETIME =
Storage obtained by GETMAIN

LOCATION = CSA->OPFL->DLP->DGB->DXPS->DBWMS

INNER CONTROL BLOCKS = None

NOTES:
DEPENDENCIES = S/370

RESTRICTIONS = None

MODULE TYPE = Control block definition
Contained in PL/AS Copy Book DFHDXMAC

Invoke by DXMSGPS NAME(qualifier)
the qualifier is used to allow multiple copies of the message to be defined in the same program
(rather than use of ->)

EXTERNAL REFERENCES = None

DATA AREAS = Contains names and Ids of IMS job GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description				
(0)	STRUCTURE	78	DFHDBWMS_DXMSG					
DEC	DECLARE THE DBCTL MESSAGE MAPPING							
(0)	CHARACTER	4	DXMSG_WMSDBCID	IMS ssid				
(4)	CHARACTER	8	DXMSG_WMSRSENM	IMS RSE name				
(C)	CHARACTER	8	DXMSG_WMSJNAME	IMS MVS jobname				
(14)	CHARACTER	8	DXMSG_WMSJOBID	IMS Jes Jobid				
(1C)	CHARACTER	4	DXMSG_WMSSMFID	MVS SMF id				
(20)	CHARACTER	1	DXMSG_WMSSIND	MVS System Indicator				
	1		DXMSG_XCFA	XCF services available				
	.111 1111		*	Reserved				
(21)	CHARACTER	8	DXMSG_WMSSPLX	XCF syslex name				
(29)	CHARACTER	8	DXMSG_WMSSNAM	XCF system name				
(31)	CHARACTER	4	DXMSG_WMSSTOK	MVS system intance token				
(35)	CHARACTER	4	DXMSG_WMSJESID	SSID of active JES				
(3A)	HALFWORD	2	DXMSG_WMSASID	IMS MVS asid				
(3C)	CHARACTER	1	DXMSG_WMSITYPE	IMS region type				
(40)	FULLWORD	4	DXMSG_WMSUERC	User Exit Return Code				
(44)	BITSTRING	4	DXMSG_WMSCTIME	IMS connect time				
(48)	BITSTRING	4	DXMSG_WMSDTIME	IMS disconnect time				
(4C)	CHARACTER	1	DXMSG_FLGS1	FLGS to show message type				
	1		DXMSG_DBCF	DBCTL failure				
	.1		DXMSG_DRAF	DRA failure				
	1		DXMSG_CON	Connection complete				
	1		DXMSG_CATCH	Catchup message				
	1		DXMSG_DISC	Disconnection complete				
	1		DXMSG_ERROR	Error in control tran / exit				
	11		*	Filler for remainder of byte				
(4D)	CHARACTER	1	DXMSG_FLGS2	FLGS to show active environment				
	1		DXMSG_MVSID	MVSid in active AXI				
	.1		DXMSG_APPLID	Active applid in AXI				
	1		DXMSG_JES	Active CICS & IMS on same JES				
	1		DXMSG_ALT	Alternate found on active CEC				
	1		DXMSG_CMD	CMD issued OK on active CEC				
	111		*	Filler for remainder of byte				

Constants

Len	Type	Value	Name	Description
1	DECIMAL	0	DBCTL_DISC	DBCTL is not connected
1	DECIMAL	4	DBCTL_CONN	DBCTL is connected
1	DECIMAL	8	DBCTL_MCONN	DBCTL is morally connected

Transaction dump record formats DCR

CONTROL BLOCK NAME = DFHDCRPS DESCRIPTIVE NAME = CICS Transaction Dump Record Formats FUNCTION = Contains the structures for transaction dump

: SPECIFIED_RMODE/AMODE.

DUMP DATASET RECORD
THIS DSECT DESCRIBES THE FORMAT OF THE DIFFERENT
TYPES OF RECORDS WRITTEN TO THE DUMP DATASET FOR TRANSACTION DUMPS. IT IS USED BY DU DOMAIN TO CREATE RECORDS AND BY DFHDUxxx TO READ THEM. BLOCK FORMAT

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	BLOCK_HEADER	
(0)	UNSIGNED	2	DCBLKLEN	BLOCK LENGTH
(2)	UNSIGNED	2	*	PADDING INIT(0)
(4)	CHARACTER		DCRECST	START OF FIRST RECORD

STANDARD RECORD HEADING

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	RECORD HEADER	
(0)	UNSIGNED	2	DCRECLEN	RECORD LENGTH
(2)	UNSIGNED	2	*	PADDING INIT(0)
(4)	BITSTRING	1	DCIRTSI	RECORD TYPE
(5)	BITSTRING	1	DCIND1	EXCESS LENGTH INDICATOR
	111		*	SPARE
	1		DCLAST	LAST RECORD IN BLOCK
	1		DCRESTRT	DUMP TO BE RESTARTED
	1		DCDUPLS	DUPLICATE LINES SKIPPED
	1.		DCCONTN	CONTINUATION RECORD
	1		DCOVRLN	OVER-LENGTH RECORD
(6)	BITSTRING	1	DCIND2	ERROR INDICATOR
	1		DCBADSEG	BAD SEGMENT LIST
	.1		DCMVFAIL	MVCL FAILED (DUXW)
	1		*	SPARE
	1		DCBADCHN	BROKEN STORAGE CHAIN
	1		DCPGMCHK	PROGRAM CHECK IN DFHDCP
	1		DCNCICIC	NON-CICS STORAGE OK
	1.		DCNONCIC	NON-CICS STORAGE UNEXPECTDY
	1		DCBADSAA	STORAGE ACCOUNTING ERROR
(7)	BITSTRING	1	DCSPACE	SPACING CONTROL
(8)	CHARACTER		DCDATST	START OF TYPE SPECIFIC DATA

STORAGE AREA RECORD

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	INDEX AREA	
(0)	FULLWORD	4	DCADDR	ADDRESS OF AREA DUMPED
(4)	UNSIGNED	4	DCLENG	LENGTH OF AREA DUMPED
(8)	UNSIGNED	4	DCINDX	INDEX OF FIRST BYTE
(8)	UNSIGNED	4	*	
(C)	CHARACTER		DCDATA	START OF DATA

DUMP HEADER RECORD

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	48	DUMP_HEADER_ RECORD	
(0)	CHARACTER	8	DCIDRC	INIT('IDRECORD')
(8)	CHARACTER	4	DCTASKID	TASK ID FROM PCTTI
(C)	CHARACTER	4	DCDUMPC	DUMP CODE FROM TCADCDC
(10)	CHARACTER	9	DCDUMPST	DUMP ID
(19)	CHARACTER	6	DCTIME	TIME OF DAY (HHMMSS)
(1F)	BITSTRING	1	DCDATFM	FULL DATE FORMAT - SEE KETI
(20)	CHARACTER	8	DCDATE	DATE
(28)	CHARACTER	8	DCAPPLID	SYSTEM APPLID

TRACE TABLE HEADER RECORD

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	36	TRACE_TABLE_ HEADER	
(0)	CHARACTER	32	DCTHDR	TRACE HEADER
(20)	FULLWORD	4	DCHDRA	TRACE HEADER ADDRESS

LINE SEGMENT OR ERROR MESSAGE RECORD

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	132	LINE_SEG	
(0)	CHARACTER	132	DCLINE	

LIFO INTERPRETATION RECORD

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	62	LIFO_INT	
(0)	CHARACTER	26	DCLIFOP1	INIT('LIFO STACK ENTRY OWNED BY ')
(1A)	CHARACTER	8	DCLIFOWN	MODULE-NAME
(22)	CHARACTER	11	DCLIFOP2	INIT(' / LINK-REG')
(2D)	CHARACTER	10	DCLIFOP3	' OFFSET = ' OR ' IS EMPTY.'
(37)	CHARACTER	7	DCLIFOFF	LINK-REG OFFSET

PSW RECORD

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	PSW_RECORD	
(0)	CHARACTER	16	DCPSW	PSW
(0)	CHARACTER	8	*	EC-MODE PSW
(8)	CHARACTER	8	DCINT	INTERRUPT INFORMATION

CONTROL BLOCK INDEX ITEM RECORD

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	10	CONT_INDEX	
(0)	FULLWORD	4	DCCBST	DATA START POINT
(4)	CHARACTER	6	DCCBNAME	CONTROL BLOCK NAME
(A)	CHARACTER		DCCBEND	DATA END POINT
(A)	CHARACTER		DCCBHDR	HEADING DATA

MODULE INDEX ITEM RECORD

Hex (0)	STRUCTURE			Description
		30	MODULE INDEX	
(0)	CHARACTER	8	PROGRAM NAME	
(8)	FULLWORD	4	PROGRAM LENGTH	
(C)	ADDRESS	4	ENTRY_POINT	
(10)	ADDRESS	4	LOAD_POINT	
(14)	FULLWORD	4	INSTANCE_ USE_COUNT	
	VALUES OF THE F UCTURE 'DFHLDLD		FIELDS ARE DEFINED IN THE	
(18)	CHARACTER	1	PROGRAM TYPE	
(19)	CHARACTER	1	PROGRAM_USAGE	
(1A)	CHARACTER	1	PROGRAM_ ATTRIBUTE	
(1B)	CHARACTER	1	SPECIFIED_AMODE	
(1C)	CHARACTER	1	SPECIFIED_RMODE	
(1D)	CHARACTER	1	LOCATION	

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	80	INT_DATA	
(0)	CHARACTER	8	INT_PSW (2)	INTERRUPT PSW
(10)	CHARACTER	64	INT_REGS	REGISTERS AT TIME OF INTERUPT

SIZE OF SUCCESSFUL GETMAIN FOR TRACE TABLE

Interupt PSW & registers

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	13	GMAIN_DATA	
(0)	FULLWORD	4	TDTR_SIZE_GMAIN	ALLOCATED STORAGE
(4)	FULLWORD	4	TDTR_SIZE_DUA	RQUESTED SIZE
(8)	FULLWORD	4	TDTR_SIZE_INT	INTERNAL TR TAB SZ
(C)	CHARACTER	1	TDTR TYPE	SELECTION TYPE

Constants

Len	Type	Value	Name	Description
1	HEX	01	DCSSIC	SEGMENT STORAGE
1	HEX	03	DCCSAIC	CSA STORAGE
1	HEX	05	DCTCUA	TCTTE USER AREA
1	HEX	08	DCTERMIC	TERMINAL STORAGE
1	HEX	09	DCFCADIC	FCA DEST. CONTROL TABLE
1	HEX	0A	DCFCATIC	FCA TERMINAL CONTROL TABLE
1	HEX	0B	DCPCTIC	PROGRAM CONTROL TABLE
1	HEX	0C	DCPPTIC	PROCESSING PROGRAM TABLE
1	HEX	0D	DCFCTIC	FILE CONTROL TABLE
1	HEX	0E	DCDCTIC	DESTINATION CONTROL TABLE
1	HEX	0F	DCTCTIC	TERMINAL CONTROL TABLE
1	HEX	10	DCDTIC	JULIAN DATE & TIME OF DAY
1	HEX	12	DCCOMIC	COMMUNICATION AREA
1	HEX	13	DCTCLUC	TCTTE LUC EXTENSION
1	HEX	14	DCTCLCSB	TCTTE LUC SEND BUFFER
1	HEX	15	DCTCLCRB	TCTTE LUC RECEIVE BUFFER
1	HEX	16	DCTCBMEX	TCTTE BMS EXTENSION
1	HEX	17	DCTLRIC	TRANSACTION TRAILER RECORD
1	HEX	18	DCPROGAB	PROG.CHECK ASSOCIATED STG.
1	HEX	19	DCTU24IC	USER24 SUBPOOL STORAGE
1	HEX	1A	DCTC31IC	CICS31 SUBPOOL STORAGE
1	HEX	1B	DCTCAPP	INT PSW & REGS 0 - 15
1	HEX	1C	DCDBLIC	DYNAMIC LOG STORAGE
1	HEX	1D	DCTC24IC	CICS24 SUBPOOL STORAGE
1	HEX	1E	DCTU31IC	USER31 SUBPOOL STORAGE
1	HEX	20	DCPROGIC	PROGRAM STORAGE
1	HEX	21	DCMCBIC	MESSAGE CONTROL BLOCK
1	HEX	23	DCSITIC	SYSTEM INITIALIZATION TABLE
1	HEX	24	DCOPFLIC	CSA OPTIONAL FEATURES LIST

Len	Туре	Value	Name	Description
1	HEX	25	DCRSAIC	RSA STORAGE
1	HEX	26	DCLIFOIC	LIFO STORAGE
1	HEX	27	DCPCBIC	DL/I PCB
1	HEX	28	DCISBIC	DL/I ISB
1	HEX	29	DCPSTIC	DL/I PST
1	HEX	2A	DCSCDIC	DL/I SCD
1	HEX	2B	DCDGB	DL/I DGB
1	HEX	2C	DCDGBCT	DL/I DGB
1	HEX	2D	DCDSB	DL/I DSB
1	HEX	2E	DCDSBRESP	DL/I DSB RESPONSE
1	HEX	2F	DCUIB	DL/I USER RESPONSE CODES
1	HEX	30	DCTIE	Task Interface Element
1	HEX	32	DCUEPAR	UEPAR Plist for TRUE
1	HEX	3C	DCPSNTIC	PSEUDO SIGN-ON TABLE ENTRY
1	HEX	41	DCFDHDR	FORMATTED DUMP HEADER
1	HEX	42	DCFDSUP	SUPERVISOR DUMP
1	HEX	43	DCFDPTN	PARTITION DUMP
1	HEX	44	DCFDPSW	PSW
1	HEX	45	DCFDREGS	REGISTERS
1	HEX	46	DCFDLINE	LINE SEGMENT
1	HEX	47	DCFDHEX	HEXADECIMAL
1	HEX	48	DCFDERR	ERROR MESSAGE
1	HEX	49	DCFDCIND	CONTROL BLOCK INDEX
1	HEX	4A	DCFDMIND	MODULE INDEX
1	HEX	4B	DCFDDSA	DYNAMIC STORAGE AREA
1	HEX	7F	DCFDTLR	FORMATTED DUMP TRAILER
1	HEX	4C	DCTRHEAD	TRACE HEADER REC
1	HEX	4D	DCTRREC	TRACE RECORD
1	HEX	4E	DCTRTAIL	TRACE TRAILER REC
1	HEX	FF	DCLRIC	END OF DUMP DATA SET

Destination control table DCT

```
MODULE NAME = DFHDCTPS
DESCRIPTIVE NAME = Transient Data Queue Entries
CICS/ESA AP Domain
FUNCTION =
   Copybook DFHDCTPS provides structures, DFHDCTPS and
   DCTSDSCI, that are used to describe entries in the
   Destination Control Table (DCT).
   DFHDCTPS describes entries for queues, these will be
   generated by invocations of the following macros
1. DFHDCT TYPE=EXTRA
    2. DFHDCT TYPE=INDIRECT
    3. DFHDCT TYPE=INTRAPARTITION
    4. DFHDCT TYPE=REMOTE
   while DCTSDSCI describes entries for data sets, these
   will be generated by invocations of the following
   macro
    1. DFHDCT TYPE=SDSCI
LIFETIME =
   The lifetime of all DCT entries is essentially that of
   CICS.
STORAGE CLASS =
   All DCT entries, with the exception of those for queue
   CXRF and data set DFHCXRF, are located in the DCT load
   module.
   The exceptions are located in storage allocated from
   the DFHTDG24 subpool.
LOCATION =
   Entries for queues are located from the Table Manager
   DCT table.
   Entries for data sets are located from the associated
   entries for extrapartition queues.
INNER CONTROL BLOCKS =
   Each data set entry contains a Data Control Block (DCB).
NOTES :
DEPENDENCIES =
   S/370
RESTRICTIONS =
   There are no restrictions.
MODULE TYPE =
   Control block definition.
Moving the DCT above the line
As SDSCIs interact with QSAM they must be
resident below the line. So the complete DCT has been copied
above the line with the SDSCI referred to as the model SDSCI.
A copy of this occurs below the line and it is known as the real
SDSCI. Existing SDSCI addresses refer to the real SDSCI and a
new field (TDEXASDM) has been added to contain the address of
model SDSCI. In the SDSCI dsect a new field (DCTSDSRP) has been
added. This contains the address of the real SDSCI which
corresponds to the model SDSCI.
       DESTINATION CONTROL TABLE TABLE ENTRY
       --- COMMON PREFIX ---
```

Offset Hex	Туре	Len	Name (Dim)	Description
	OTDUOTUDE	50	TDDGTGMM	
(0)	STRUCTURE	56	TDDCTCMN	Prefix
(0)	CHARACTER	8	TDDCT_PREFIX	
(8)	CHARACTER	4	TDDCTDID	Identification
(C)	BITSTRING	1	TDDCTDT	Attributes
	1		TDINDTBM	- intrapartition (I/P)
	.1		TDEXTRBM	 extrapartition (E/P)
	1		TDINDBM	- indirect
	1		TDRMTBM	- remote
	1		TDTIBM	 (I/P) - task triggered
	1		*	Reserved
	1.		TDNOTRM	 (I/P) - DESTFAC=FILE
	1		TDSYSTM	 (I/P) - DESTFAC=SYSTEM
(D)	UNSIGNED	1	*	- Reserved
(E)	HALFWORD	2	TDDCTELN	Entry length
(10)	CHARACTER	12	TDDCT_COMMON_ STATS	
(10)	FULLWORD	4	TDDCT_WRITES	Number of writes
(14)	FULLWORD	4	TDDCT_READS	Number of reads
(18)	FULLWORD	4	TDDCT_DELETES	Number of deletes
(1C)	CHARACTER	4	TDDCT_TXN_NUMBER	Owning transaction number
(20)	CHARACTER	20	*	Associated queue
(20)	CHARACTER	4	TDDCTSYS	 N(remote system)
(24)	CHARACTER	4	TDDCTRID	- N(remote queue)
(28)	CHARACTER	8	TDRDOGRP	- RDO group identifier
(30)	HALFWORD	2	TDDCTRLN	- Default data length
(32)	HALFWORD	2	*	- Reserved
(34)	BITSTRING	1	TDTDSFL0	Type independent status
, ,	1		TDDCT ENABLED	- Enabled
	.1		TDDCT DISABLING	- Disabling
	1		TDDCT_DISABLED	- Disabled

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TDTRIGRM	- msg has been put out to warn that Trig Tranid=Remote
	1		TDATFAIL	- msg has been put out to warn of Tran Attach Fail
	1		TDSCHFAI	- msg has been put out to warn of Tran Schedule Fail
	1.		TDUSFAIL	- msg has been put out to warn of US call failure
	1		*	- Reserved
(35)	BITSTRING	1	TDTDSFL1	Type dependent status - 1
(36)	BITSTRING	1	TDTDSFL2	Type dependent status - 2
(37)	BITSTRING	1	TDTDSFL3	Type dependent status - 3
(38)	CHARACTER		*	,, ,

DESTINATION CONTROL TABLE TABLE ENTRY --- INDIRECT DESTINATIONS ---

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	64	TDDCTIND	
(0)	CHARACTER	8	*	Prefix
(8)	CHARACTER	4	*	Identification
(C)	BITSTRING	1	*	Attributes
(D)	UNSIGNED	1	*	Resource security level
(E)	HALFWORD	2	*	Entry length
(10)	CHARACTER	16	*	Common stats
(10)	FULLWORD	4	*	Statistics
(14)	FULLWORD	4	*	Statistics
(18)	FULLWORD	4	*	Statistics
(1C)	FULLWORD	4	*	Reserved
(20)	CHARACTER	20	*	Associated queue
(20)	CHARACTER	4	*	 N(remote system)
(24)	CHARACTER	4	*	- N(remote queue)
(28)	CHARACTER	8	*	 RDO group identifier
(30)	HALFWORD	2	*	- Default data length
(32)	HALFWORD	2	*	- Reserved
(34)	BITSTRING	1	*	Type independent status
(35)	BITSTRING	1	*	Type dependent status - 1
(36)	BITSTRING	1	*	Type dependent status - 2
(37)	BITSTRING	1	*	Type dependent status - 3
(38)	CHARACTER	8	*	Associated queue
(38)	CHARACTER	4	TDDCTIDN	 N(indirect queue)
(3C)	ADDRESS	4	*	Reserved
(40)	CHARACTER		*	

DESTINATION CONTROL TABLE TABLE ENTRY --- REMOTE DESTINATIONS ---

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	56	TDDCTREM	
(0)	CHARACTER	8	*	Prefix
(8)	CHARACTER	4	*	Identification
(C)	BITSTRING	1	*	Attributes
(D)	UNSIGNED	1	*	Resource security level
(E)	HALFWORD	2	*	Entry length
(10)	CHARACTER	16	*	Common stats
(10)	FULLWORD	4	*	Statistics
(14)	FULLWORD	4	*	Statistics
(18)	FULLWORD	4	*	Statistics
(1C)	FULLWORD	4	*	Reserved
(20)	CHARACTER	20	*	Associated queue
(20)	CHARACTER	4	*	 N(remote system)
(24)	CHARACTER	4	*	 N(remote queue)
(28)	CHARACTER	8	*	 RDO group identifier
(30)	HALFWORD	2	*	- Default data length
(32)	HALFWORD	2	*	- Reserved
(34)	BITSTRING	1	*	Type independent status
(35)	BITSTRING	1	*	Type dependent status - 1
(36)	BITSTRING	1	*	Type dependent status - 2
(37)	BITSTRING	1	*	Type dependent status - 3
(38)	CHARACTER		*	

DESTINATION CONTROL TABLE TABLE ENTRY

--- EXTRAPARTITION DESTINATIONS ---

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	136	TDDCTEXP	
(0)	CHARACTER	8	*	Prefix
(8)	CHARACTER	4	*	Identification
(C)	BITSTRING	1	*	Attributes
(D)	UNSIGNED	1	*	Resource security level
(E)	HALFWORD	2	*	Entry length
(10)	CHARACTER	16	*	Common stats
(10)	FULLWORD	4	*	Statistics
(14)	FULLWORD	4	*	Statistics
(18)	FULLWORD	4	*	Statistics
(1C)	FULLWORD	4	*	Reserved
(20)	CHARACTER	20	*	Associated queue
(20)	CHARACTER	4	*	- N(remote system)
(24)	CHARACTER	4	*	- N(remote queue)
(28)	CHARACTER	8	*	- RDO group identifier
(30)	HALFWORD	2	*	- Default data length
(32)	HALFWORD	2	*	- Reserved
(34)	BITSTRING	1	*	Type independent status
(35)	BITSTRING	1	TDEXSFL1	Type dependent status - 1
(00)	1		TDEXOPIN	- OPEN = INITIAL
	.111 1111		*	- Reserved
(36)	BITSTRING	1	TDEXSFL2	Type dependent status - 2
(30)	1	'	TDEXOPIP	- OPEN in progress
	.1		TDEXOPEN	- OPEN
	1		TDEXCLIP	- CLOSE in progress
	1		TDEXCLOS	- CLOSE III progress
	1		TDEXFEIP	- FEOV in progress
	1		TDEXPEIR	- Dynamically Allocated
			TDEXDA	- Pre-allocated
	1.			- Allocated to SYSOUT
(27)		4	TDEXASYO	
(37)	BITSTRING	1	TDEXSFL3	Type dependent status - 3
	1 .1		TDEXNOSP	- NOSPACE raised
			TDEXQZER	 QZERO raised abend occured
			TDEXABND	
	1		TDEXIOER	- I/O error occured
(00)	1111	4	TDEVDIOD	- Reserved
(38)	BITSTRING	1	TDEXDISP	Disposition
	1		TDEXSHR	- SHR
	.1		TDEXOLD	- OLD
	1		TDEXMOD	- MOD
/ \	1 1111		*	- reserved
(39)	BITSTRING	1	*	- reserved
(3A)	BITSTRING	1		- reserved
(3B)	CHARACTER	1	TD_EXTRA_ SYSOUT_CLASS	
				- Sysout Class
(3C)	CHARACTER	44	TDEXDSN	Data-set name
(68)	CHARACTER	16	*	Associated SDSCI
(68)	CHARACTER	8	TDEXNSDS	- N(real SDSCI)
(70)	ADDRESS	4	TDEXASDS	- A(real SDSCI)
(74)	ADDRESS	4	TDEXASDM	- A(model SDSCI)
(78)	CHARACTER	8	*	Request processing chain
(78)	FULLWORD	4	TD_EXTRA_ Q_OWNER	- Identify transaction the owne
(7C)	ADDRESS	4	TDEXAWCB	- A(first MWCB) or 0
(80)	CHARACTER	8	TDEXMEMB	Member name if PDS
(88)	CHARACTER		*	
. ,				

DESTINATION CONTROL TABLE TABLE ENTRY --- INTRAPARTITION DESTINATIONS ---

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	212	TDDCTINP	
(0)	CHARACTER	8	*	Prefix
(8)	CHARACTER	4	*	Identification
(C)	BITSTRING	1	*	Attributes
(D)	UNSIGNED	1	*	Resource security level
(E)	HALFWORD	2	*	Entry length
(10)	CHARACTER	16	*	Common stats
(10)	FULLWORD	4	*	Statistics
(14)	FULLWORD	4	*	Statistics
(18)	FULLWORD	4	*	Statistics
(1C)	FULLWORD	4	*	Reserved
(20)	CHARACTER	20	*	Associated queue
(20)	CHARACTER	4	*	 N(remote system)
(24)	CHARACTER	4	*	 N(remote queue)
(28)	CHARACTER	8	*	 RDO group identifier
(30)	HALFWORD	2	*	 Default data length
(32)	HALFWORD	2	*	- Reserved
(34)	BITSTRING	1	*	Type independent status
(35)	BITSTRING	1	TDINSFL1	Type dependent status - 1

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TDDCTSPR	- physically recoverable
(00)	.1		TDDCTSLR	- logically recoverable
(36) (37)	BITSTRING BITSTRING	1 1	*	Type dependent status - 2 Type dependent status - 3
(37)	1		TDDCT_START_ RBA_REC	
	.1		TDDCT_READ_ RBA_REC	Start RBA recovered
	1		TDDCT_WRITE_ RBA_REC	Read RBA recovered
	1		TDDCT_NUMELEMS_ REC	Write RBA recovered
	1		TDDCT_TDTIBM_ REC	Numelems recovered TDTIBM recovered Reserved
(38)	CHARACTER	20	*	1.000.100
(38)	FULLWORD	4	TDDCTDQL	DEST TRIGGER LEVEL
(3C)	CHARACTER	4	TDDCTTID	TRANS ID FOR ATI
(40)	CHARACTER	4	TDDCTTED	TERM ID FOR ATI
(44)	ADDRESS	4	TDDCTAAD	A(AID FOR ATI)
(48)	FULLWORD	4	TDDCT_NO_ TIMES_TRIGRD	
(4C)	CHARACTER	8	*	#times triggered
(4C)	FULLWORD	4	TDDCT_CURRENT_ CIS	CIs allocated to Q.
(50)	FULLWORD	4	TDDCT_PEAK_CIS	Peak CIs allocated to this Q.
(54)	CHARACTER	96	*	
(54)	CHARACTER	16	*	
(54)	FULLWORD	4	TDDCT_COMMITTED_ START_RBA	
(58)	FULLWORD	4	TDDCT_COMMITTED_	
(5C)	FULLWORD	4	WRITE_RBA TDDCT_COMMITTED_	
(60)	FULLWORD	4	READ_RBA TDDCT_COMMITTED_	
(64)	CHARACTER	16	NUMELEMS *	
(64)	ADDRESS	4	TDDCT_READ_	
(-)			TDQUB_PTR	
				-> to TDQUB
(68)	FULLWORD	4	*	Reserved
(6C)	CHARACTER	8	TDDCT_UOW_	
			OWNING_READ_NQ	Owning UOWID
(74)	CHARACTER	16	*	Owning GOWID
(74)	ADDRESS	4	TDDCT_WRITE_	
()			TDQUB_PTR	
				-> to TDQUB
(78)	FULLWORD	4	*	Reserved
(7C)	CHARACTER	8	TDDCT_UOW_	
			OWNING_WRITE_NQ	Owning UOWID
(84)	CHARACTER	33	*	Owning GOVID
(84)	CHARACTER	8	TDDCT_PR_	
			Q_LOG_STCK	
(==)		_		Time PR Q log record written
(8C)	CHARACTER	8	TDDCT_PR_	
			START_RBA_ REC_STCK	Time start RBA recovered
(94)	CHARACTER	8	TDDCT_PR_	runo start resorrerea
			READ_RBA_REC_STCK	
(0.0)	0114540755		TDDOT DD	Time read RBA recovered
(9C)	CHARACTER	8	TDDCT_PR_ WRITE_RBA_ REC_STCK	
			WRITE_RBA_ REO_OTOR	Time write RBA recovered
(A4)	BITSTRING	1	TDDCT_PR_	
			LOG_RECORD_TYPE	
	1		TDDOT DEADO	Record type
	1 .1		TDDCT_READQ	READQ
	1		TDDCT_WRITEQ TDDCT_DELETEQ	WRITEQ DELETEQ
	1		TDDCT_FIRST_ WRITEQ	DELETEQ
				First write
	1111		*	Reserved
(A5)	CHARACTER	3	*	
(A5)	BITSTRING	1	TDDCT_FLAGS	Flag byte
	1 .1		TDDCT_UNCOMMIT_	Reserved
			DATA_WRITTEN	
			_	Uncommitted data written to queue
	1		TDDCT_Q_ INDOUBT	Q indoubt
/^^	1 1111	•	*	Reserved
(A6)	CHARACTER	2 4		Reserved
(A8)	ADDRESS	4	TDDCT_SUSPEND_ TOKEN	
				DSSR suspnd token@PAA
(AC)	CHARACTER	8	*	•

Offset Hex	Туре	Len	Name (Dim)	Description
(AC)	ADDRESS	4	TDDCTFCN	- A(FIRST MQCB)
(B0)	ADDRESS	4	TDDCTBCN	- A(LAST MQCB)
(B4)	CHARACTER	8	*	DCTE request chain
(B4)	FULLWORD	4	TD INTRA Q OWNER	- owning transaction identifier
(B8)	ADDRESS	4	TDINAWCB	- A(first MWCB) or 0
(BC)	FULLWORD	4	TDDCT INTRA	,
` ,			USE COUNT	
			_	Use count
(C0)	ADDRESS	4	*	Reserved
(C4)	CHARACTER	4	*	
(C4)	BITSTRING	1	TDDCT_INDOUBT	Indoubt option for LR Q's
	1		TDDCT_REJECT	Reject
	.1		TDDCT_HEURISTIC	Heuristic
	1		TDDCT_QUEUE	Queue
	1 1111		*	Reserved
(C5)	BITSTRING	1	*	Reserved Userid data fornon-terminal ATI
(C6)	BITSTRING	1	TDDCTFLC	Userid data status
	1		TDDCTUOK	- TDDCTUOK is set for use
	.111 1111		*	- Reserved
(C7)	UNSIGNED	1	TDDCTUIL	Length of userid - x'0' with default userid
(C8)	CHARACTER	8	TDDCTUID	Userid - x'0' with default userid
(D0)	UNSIGNED	4	TDDCTUTK	User token - x'0' with default userid
(D4)	CHARACTER		*	

DESTINATION CONTROL TABLE TABLE ENTRY --- SDSCI ---

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	140	DCTSDSPS	
(0)	CHARACTER	40	*	
(0)	FULLWORD	4	DCTSDSLN	length of SDSCI et al
(4)	ADDRESS	4	DCTSDSQP	A(owning DCTE) or 0
(8)	ADDRESS	4	DCTSDSRP	A(real SDSCI) or 0
(C)	CHARACTER	8	DCTSDSOC	OPEN/CLOSE words
(C)	UNSIGNED	1	DCTSDSOO	- open options
(D)	ADDRESS	3	*	- A(0)
(10)	ADDRESS	4	DCTSDSDA	- A(DCB)
(14)	BITSTRING	1	DCTSDRW	REWIND status
	1		DCTSDSLE	- LEAVE
	.1		DCTSDSRE	- REREAD
	11 1111		*	- Reserved
(15)	BITSTRING	1	DCTSDTF	TYPEFLE status
	1		DCTSDSOP	- OUTPUT
	.1		DCTSDSIP	- INPUT
	1		DCTSDSRB	- RDBACK
	1 1111		*	- Reserved
(16)	BITSTRING	1	*	Reserved
(17)	BITSTRING	1	*	Reserved
(18)	BITSTRING	1	DCTSDSRF	record format
	11		DCTSDSUF	- undefined format
	1		DCTSDSFF	- fixed format
	.1		DCTSDSVF	- variable format
	1		*	- Reserved (refer to IHADCB)
	1		DCTSDSBR	- blocked records
	1		*	- Reserved (refer to IHADCB)
	1		DCTSDSCA	- ASA control char
	1.		DCTSDSCM	- machine control char
	1		*	- Reserved (refer to IHADCB)
(19)	BITSTRING	1	*	Reserved
(1A)	HALFWORD	2	DCTSDSBL	block length
(1C)	HALFWORD	2	DCTSDSRL	(maximum) record length
(1E)	HALFWORD	2	POTDIAA	- Reserved
(20)	ADDRESS	4 2	DCTDIAA	Address of Shadow Buffer
(24)	HALFWORD	2	DCTDIAL *	Length of Shadow Buffer Reserved
(26)	HALFWORD CHARACTER	4	*	DCB abend exit data
(28) (28)	BITSTRING	2	DCTSDSCC	- system completion code held in the first 12 bits
(26) (2A)	UNSIGNED	1	DCTSDSCC	return code completion code qualifier
(2A) (2B)	BITSTRING	1	DCTSDRC	- options mask
(20)	1	'	*	- Reserved
	.1		*	- Reserved
	1		*	- Reserved
	1		*	- Reserved
	1		DCTSDOMR	- OK to recover
	1		DCTSDOMI	- OK to ignore
	1.		DCTSDOMD	- OK to delay
	1		*	- Reserved
(2C)	CHARACTER	96	DCTSDDCB	DCB DCB DDNAME=TRANDATA, DSORG=PS, MACRF=(GL,PL)
(8C)	CHARACTER		*	

Constants

Value Description Name Len CHARACTER >TDQUEUE TDQUEUE_PREFIX

DGB DBCTL-CICS global block

CONTROL BLOCK NAME = DFHDGB (In DFHDBCOP, invoked via DFHDBMAC) (Invoked by DFHDLP DGB=DSECT) DESCRIPTIVE NAME = CICS DBCTL-CICS Global Block FUNCTION = Used to store connection/disconnection information regarding the CICS-DBCTL interface. LIFETIME = The DBCTL Global Block (DGB) is acquired when initialisation of the CICS-DBCTL interface is first attempted. It is used to store connection/disconnection information regarding the CICS-DBCTL interface. It is released at the end of the CICS session. LOCATION = CSA->OPFL->DLP->DGB NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control Block definition EXTERNAL REFERENCES = CSA, DLP, Control Transaction Area, DBCTL-XRF area DATA AREAS = Values from MVS and JES control blocks concerning DBCTL CONTROL BLOCKS = DBCTL exit addresses GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description		
(0)	STRUCTURE	244	DFHDGB	Based DGB		
(0)	CHARACTER	8	DGBDESC	Set to DFHDGB		
(8)	ADDRESS	4	DGBCSA	Address of the CSA		
(C)	ADDRESS	4	DGBDLP	Address of the DLP		
(10)	ADDRESS	4	DGBCTA	Address of the Control Txn Area		
(14)	ADDRESS	4	DGBDXBA	Address of the DBCTL-XRF area		
(18)	ADDRESS	4	DGBSMTOK	Storage Manager Token		
(1C)	ADDRESS	4	DGBCTOKN	Call Token - Returned on response to INIT from the Adapter		
(20)	FULLWORD	4	DGBDSENO	Session Number of CICS-DBCTL		
(24)	CHARACTER	4	DGBDSTATCS	Status Fields		
(24)	CHARACTER	1	DGBDSTAT	Status of the CICS-DBCTL interface		
(25)	UNSIGNED	3	DGBDSTCT	Count incremented by 1 when DGBDSTAT is updated or when the control exit is notified by		
(- /				DBCTL of a change in DBCTL's state		
(28)	CHARACTER	1	DGBCFLAG	Cleanup flag		
` '	1		DGBDFAIL	DBCTL or DRA has failed		
	.1		DGBATEN	Indicator for adapter enable 1 : Enabled 0 : Not enabled yet		
	1		DGBDXERR	Indicator for XRF proc's 0: Enabled 1: Disabled due to error		
	1		DGBCABORT	CICS aborted the connection Reason in DGBABORTRC		
	1		DGBMNPND1	MN call 1 got back POINT_NOT_DEFINED		
	1		DGBMNPND2	MN call 2 got back POINT_NOT_DEFINED		
	11		*	Reserved		
(29)	UNSIGNED	3	DGBDRMCT	Count of number of DFHRMCAL requests active in the ADAPTER/DRA		
(2C)	FULLWORD	4	DGBPSBSU	Total number of successful PSB schedule requests		
	Connection information	n				
(30)	CHARACTER	2	DGBSTSU	Startup Table Suffix		
(32)	CHARACTER	4	DGBIDBID	DBCTL id Override (if any)		
(36)	CHARACTER	8	DGBCAPLD	CICS APPLID		
(3E)	CHARACTER	1	DGBABORTRC	Reason for connection abort		
	1		DGBNOPSK	Storage protect active but DRA does		
not	support storage prote	ection				
	.111 1111		*	Reserved		
(3F)	CHARACTER	1	*	Reserved		
(40)	ADDRESS	4	DGBINITT	The INIT Token contains the address of the DGB		
(44)	CHARACTER	4	DGBIECB	the Initialisation ECB		
	Exit details Exit details - if the order of the exit fields is altered then DFHDBCON and DFHDBDI will require alteration					
(48)	CHARACTER	8	DGBSPXE	Exit name		
(50)	ADDRESS	4	DGBSPXA	Address of the Suspend exit		
(54)	CHARACTER	8	DGBREXE	Exit name		
(5C)	ADDRESS	4	DGBREXA	Address of the Resume exit		

Offset Hex	Туре	Len	Name (Dim)	Description			
(60)	CHARACTER	8	DGBCTXE	Exit name			
(68)	ADDRESS	4	DGBCTXA	Address of the Control exit			
(6C)	CHARACTER	8	DGBMOXE	Exit name			
(74)	ADDRESS	4	DGBMOXA	Address of the Monitoring exit			
(78)	CHARACTER	8	DGBTOXE	Exit name			
(80)	ADDRESS	4	DGBTOXA	Address of the Token exit			
(84)	CHARACTER	8	DGBSTXE	Exit name			
(8C)	ADDRESS	4	DGBSTXA	Address of the Statistics exit			
(90)	CHARACTER	8	DGBSSXE	Exit name			
(98)	ADDRESS	4	DGBSSXA	Address of the Status exit			
(9C)	CHARACTER	8	DGBATE	Exit name			
(A4)	ADDRESS	4	DGBATA	Address of the ADAPTER-Transformer			
Е	nd of exit details						
(A8)	CHARACTER	8	DGBCTIME	Connect time			
	Connection information	on returned fi	rom DBCTL				
(B0)	CHARACTER	4	DGBDBCID	DBCTL ID			
(B4)	CHARACTER	8	DGBJOBN	DBCTL job name			
(BC)	UNSIGNED	2	DGBASID	DBCTL ASID			
(BE)	CHARACTER	8	DGBJOBI	DBCTL JES Job Id			
(C6)	CHARACTER	1	DGBCRC	DBCTL command recognition character			
(C7)	CHARACTER	1	DGBRGTY	DBCTL region type			
(C8)	HALFWORD	2	DGBMITHD	Minimum number of threads			
(CA)	HALFWORD	2	DGBMATHD	Maximum number of threads			
(CC)	CHARACTER	8	DGBRSEN	DBCTL RSE Name			
	Disconnection information						
(D4)	CHARACTER	1	DGBDISTY	Disconnection type			
(D5)	CHARACTER	8	DGBDTIME	Disconnect time			
fie	Disconnection information information in the previous control of the previous						
(DD)	CHARACTER	3	*	Reserved			
(E0)	FULLWORD	4	DGBNOMATHD	Max thread hits			
(E4)	FULLWORD	4	DGBNOMITHD	Min thread hits			
(E8)	CHARACTER	4	DGBELMAX	Elapsed time at Max Threads			
(EC)	FULLWORD	4	DGBHIWAT	Hi-Water for no. of Threads			
(F0)	ADDRESS	4	DGBALOAD	Load addr ADAPTER-XFORMER			
Offset Hex	Туре	Len	Name (Dim)	Description			
(0)	STRUCTURE	52	DFHDGBCTA				
	Control transaction	information					
(0)	ADDRESS	4	DGBCWEHD	Control trans. work elements header			
(4)	CHARACTER	1	DGBCTL	Control transaction flag			
	1		DGBCTLATT	Control transaction attached			
	.111 1111		*	Reserved			
(5)	CHARACTER	3	*	Reserved			
(8)	ADDRESS	4	DGBCECB	Control transaction ECB			
(C)	CHARACTER	8	DGBDTIM	Time DRA last abnormally terminated			
(14)	CHARACTER	16	DGBCWEERR	storage for control exit error CWE			
(14)	ADDRESS	4	DGBCWEERRA	work ptr used in Building CWEERR			
(18)	CHARACTER	12	*	Reserved			
(24)	CHARACTER	16	DGBCWETERM	storage for control exit term CWE			
(24)	ADDRESS	4	DGBCWETERMA	,			
(28)	CHARACTER	12	*	Reserved			
. ,							

Constants

Len	Туре	Value	Name	Description		
1	HEX	00	DGBDSHUT	Interface shut		
1	HEX	01	DGBDPHS1	Connection phase 1		
1	HEX	02	DGBDPHS2	Connection phase 2		
1	HEX	04	DGBDREDY	Interface ready		
1	HEX	08	DGBDORDT	Orderly termination , i.e. phase 1 of termination		
1	HEX	10	DGBDIMMT	Immediate termination, i.e. phase 2 of termination		
1	HEX	20	DGBDDEAD	Interface dead, i.e. interface is unusable		
Possi	ble values of DGBRGT\	/ - DBCTL region types				
1	HEX	01	DGBDBCX	DB/DC with XRF		
1	HEX	02	DGBDBCO	DB/DC only		
1	HEX	04	DGBDBCT	DBCTL		
Possible values of DGBDISTY						
1	HEX	01	DGBORDDI	Orderly termination request input		
1	HEX	02	DGBIMMDI	Immediate termination request input		

DHTX Document handler template exitpgm interface

DFHDHTX COPY

This copybook contains the interface definition for the user-replaceable program specified in an EXITPGM type of template.

The following input parameters are passed to the user program in a standard CICS commarea:

The halfword binary length of the entire parameter list.

dhtx_eyecatcher

A 13-character eyecatcher, set to '>DFHDHTXPARMS'.

dhtx_version

A one-byte character version number of the parameter list,

currently set to '0'.

dhtx_buffer_ptr

The address of a CICS-provided buffer in which the EXITPGM must

return the data that is to become the template.

dhtx buffer len

The fullword binary length of the buffer addressed by

dhtx_buffer_ptr .

dhtx_template_name_ptr

The address of the 48-character name of the template for which

this EXITPGM is being executed.

dhtx_append_crlf

A one-byte character field that indicates whether the APPENDCRLF option was specified for this template. It is set to '1' if the option was specified, and to '0' otherwise.

The following output parameters must be set by the EXITPGM:

dhtx template len

The fullword binary length of the template being returned in the buffer addressed by dhtx buffer ptr . This value should be the size actually required for the template, even if it exceeds dhtx_buffer_len (although the data moved into the buffer must not exceed that length). If dhtx_template_len exceeds dhtx_buffer_len , the EXITPGM will be re-driven with a larger buffer.

dhtx return code

A fullword binary return code that indicates whether the EXITPGM was successful. It should be one of:

0 Indicates successful completion. A valid template, or a template truncated to fit the supplied buffer, has been

8 Indicates failure. No valid template has been returned.

Optionally, the address of a message that explains why the EXITPGM was unsuccessful. CICS writes this message to the CSDH transient data destination.

dhtx message len

The fullword binary length of the message addressed by

dhtx_message_ptr , if one is provided.

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	48	DHTX_PLIST	Template EXITPGM plist
(0)	CHARACTER	16	DHTX_PREFIX	Parameter list prefix
(0)	HALFWORD	2	DHTX_LENGTH	Length of parameter list
(2)	CHARACTER	13	DHTX_EYECATCHER	>DFHDHTXPARMS eyecatcher
(F)	CHARACTER	1	DHTX_VERSION	Version number of plist
(10)	ADDRESS	4	DHTX_BUFFER_PTR	Template buffer address
(14)	FULLWORD	4	DHTX_BUFFER_LEN	Template buffer length
(18)	FULLWORD	4	DHTX_TEMPLATE_ LEN	Actual length of template
(1C)	FULLWORD	4	DHTX_RETURN_CODE	Return code
(20)	ADDRESS	4	DHTX_TEMPLATE_	
			NAME_PTR	
				Ptr to 48-char name
(24)	CHARACTER	4	DHTX_TEMPLATE_ FLAGS	
				Template flags
(24)	CHARACTER	1	DHTX_APPEND_ CRLF	'1' Append. '0' Don't.
(28)	ADDRESS	4	DHTX_MESSAGE_PTR	Message pointer
(2C)	FULLWORD	4	DHTX_MESSAGE_LEN	Message length

DIB Data interchange block

```
MODULE NAME = DFHDIBDS
DESCRIPTIVE NAME = CICS Data Interchange Block
FUNCTION = Maintain the status of a data interchange session.
        The DIB is chained off the TCTTE. It is acquired
        by the first DIP request in a transaction, and is
        freed at transaction termination.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS = None
 REGISTER CONVENTIONS = Not applicable
 PATCH LABEL = None
 MODULE TYPE = MACRO DEFINING A DSECT
 MODULE SIZE = Not applicable
ATTRIBUTES = Not applicable ENTRY POINT = Not applicable
PURPOSE = Not applicable
LINKAGE = Not applicable
INPUT = Not applicable
OUTPUT = Not applicable
EXIT-NORMAL = Not applicable
EXIT-ERROR = Not applicable
EXTERNAL REFERENCES = None
 CONTROL BLOCKS = Defines DIB Control Block
 TABLES = None
 MACROS = None
```

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)			DFHDIBDS		
(0)	HALFWORD	2	DIBSCFGS	STORAGE ACCOUNTING AREA	
(2)	HALFWORD	2	DIBSCNTL	STORAGE LENGTH	
(4)	HALFWORD	2	DIBTSLGN	LENGTH TO OUTPUT FOR TS	
(6)	HALFWORD	2	DIBTSRES	TS RESERVED= ZERO	
(8)	FULLWORD	4	DIBSENSE (0)	Sense code areas	
(8)	HALFWORD	2	DIBSSI	SYSTEM SENSE AREA	
(A)	HALFWORD	2	DIBUSI	USER SENSE AREA	
(C)	FULLWORD	4	DIBDIRRD	ACTUAL RETURNED RECORD ID	
NOTE THAT THESE FLAGS ARE SET IN COMBINATION: DIBIFDSO + DIBIFDSS = 00 NOT ACTIVE NOT SUSPENDED = 10 ACTIVE NOT SUSPENDED = 11 ACTIVE BUT SUSPENDED (01 NEVER SET CODE RELIES ON THIS)					
(10)	BITSTRING	1	DIBIFSEL	SELECTION FLAGS	
	1		DIBIFDSO	"X'80" OUTBOARD SELECTED	
	1		DIBIFDSS	"X'20" DSN SUSPENDED	
	1		DIBIFDAO	"X'10" OUTBOARD ABORTED(NOT REQ)	
	1		DIBIFDSI	"X'08" INBOUND SELECTED	
	1		DIBIFDIN	"X'04" SOME INPUT DONE	
	1.		DIBIFDIS	"X'02" INPUT SUSPENDED	
(11)	1 BITSTRING	1	DIBIFDAI DIBIFOSL	"X'01" INBOARD ABORTED(NOT REQ) OLD SELECT	
(11)	BITSTRING	1	DIBIFOSE	OLD SELECT OLD PROFILE SAME FLAGS AS DIBDIFL2	
(14)	HALFWORD	2	(0)	FORCE ALIGNMENT FOR	
(14)	BITSTRING	1	DIBNICFN	CURRENT FUNCTION	
(15)	BITSTRING	1	DIBNINRS	CURRENT NUMREC VALUE	
INPUT DESTINATION LATEST FMH (STATUS) THIS IS A COPY OF THE BEGIN FMH RECEIVED ON INPUT USE FMH DSECT TO OVERLAY FIELDS					
(16)	BITSTRING	1	DIBIFMLN	LENGTH OF FMH (TO DIBDNAM)	
(17)	BITSTRING	1	DIBIFMTY	FMH TYPE(1,2,3 ETC)	
(18)	BITSTRING	1	DIBIMSB	MEDIA SELECTION FIELD	
	BIT 0 RESERVED BIT 1-3 FOLLOWING 000 CONSOLE 010 CARD 011 PRINT	VALUES:			

BIT 1 DEMAND SELECT

RESERVED

BITS 4-7 DATA STREAM PROFILE

DESTINATION SELECTION FIELD

DEMAND SEL/DS PROFILE/SRI

EXCHANGE RECORD LENGTH

(19)

(19)

(19)

(1A)

(1B)

100 DISK 110 PDS

BITSTRING

BITSTRING

BITSTRING

BITSTRING

BITSTRING

BITSTRING

BITSTRING

BIT 4-7 LOG SUBADDRESS

DIBISRI (0) DIBIDSEL (0) DIBIDSP (0)

DIBIDDSP

DIBIDSF

DIBIERCI

DIBIRSV2 (2)

Offset	Туре	Len	Name (Dim)	Description				
Hex (1E) (1F) (27)	BITSTRING CHARACTER BITSTRING	1 8 1	DIBIDNL DIBIDNAM DIBISDNL	LENGTH OF DSN MAXIMUM OF EIGHT CHARACTERS DSN NAME SAVED PREVIOUS LENGTH, DESTINATION, NAME				
TH	OUTPUT DESTINATION LATEST FMH (STATUS) THIS IS A COPY OF THE BEGIN FMH FIRST OUTPUT USE FMH DSECT TO OVERLAY FIELDS							
(28) (29) (2A)	BITSTRING BITSTRING BITSTRING	1 1 1	DIBFMHLN DIBFMHTY DIBMSB	LENGTH OF FMH (TO DIBDNAM) FMH TYPE(1,2,3 ETC) MEDIA SELECTION FIELD				
BIT 0 RESERVED BIT 0-3 FOLLOWING VALUES: 0000 CONSOLE 0010 CARD 0011 PRINT 0100 DISK 0101 EXTENDED DOCUMENT 0110 PDS 1000 WORD PROCESSING MEDIUM 1 1001 WORD PROCESSING MEDIUM 2 1010 WORD PROCESSING MEDIUM 3 1100 WORD PROCESSING MEDIUM 4 1101 NCI BIT 4-7 LOG SUBADDRESS								
(2B) (2B) (2B)	BITSTRING BITSTRING BITSTRING	1 1 1	DIBSRI (0) DIBDESEL (0) DIBDSP (0)	BIT 0 SRI BIT 1 DEMAND SELECT BITS 4-7 DATA STREAM PROFILE				
VA	LUES OF THE DATA	STREAM P	ROFILE					
	1 11 11 11. 111 111		DIBDSPDE DIBDSPBA DIBDSPJB DIBDSPRW DIBDSPI1 DIBDSPI2 DIBDSPI3	"X'00" DEFAULT "X'01" BASE "X'03" JOB DSP "X'04" WP RAW "X'06" OII LEVEL 1 "X'07" OII LEVEL 2 "X'08" OII LEVEL 3				
VA	ALUES X'09' TO X'0F'	RESERVED						
(2B) (2C) (2D) (2E) (30) (31) (39) (3A) (40) (41) (88)	BITSTRING BITSTRING BITSTRING BITSTRING CHARACTER BITSTRING CHARACTER BITSTRING CHARACTER BITSTRING CHARACTER BITSTRING CHARACTER DBL WORD	1 1 1 1 1 8 1 6 1 64 8	DIBDSDSP DIBDSF DIBERCI DIBRSVD2 (2) DIBDNL DIBDNAM DIBVNL DIBVNL DIBVNLM DIBKYL DIBKYPL DIBKYD (0)	DEMAND SEL/DS PROFILE/SRI DESTINATION SELECTION FIELD EXCHANGE RECORD LENGTH RESERVED LENGTH OF DSN MAXIMUM OF EIGHT CHARACTERS DSN NAME LENGTH OF VOLUME MAXIMUM SIX CHARACTER VOLUME ID SAVED KEY LENGTH SAVED KEY FOR RETRANSMIT				

DLP DL/I general purpose macro

MACRO NAME = DFHDLP
DESCRIPTIVE NAME = CICS DL/I General Purpose Macro
FUNCTION = NOTES : DEPENDENCIES = S/370 RESTRICTIONS = NONE PATCH LABEL = NONE MODULE TYPE = EXECUTABLE

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHDLPDS	DL/I INTERFACE PARM DSECT
	CICS - DL/I INTERF	ACE PARA	METERS	
(0)	CHARACTER	8	DLPEYE	DLP Eyecatcher
(8)	FULLWORD	4		Reserved
(C)	ADDRESS	4	DLPDLI	ADDR OF ENTRY TO DFHDLI
(10)	BITSTRING	1	DLPDLFLG	DLI support flags
	.1		DLPDLRE	"X'40" Remote DLI is supported
	1		DLPXRF	"X'10" XRF takeover was performed
(11)	ADDRESS	3		Reserved
(14)	ADDRESS	4	DLPDGB	Address of the DBCTL global block
(18)	ADDRESS	4	DLPDPEP	Address of DFHDLIDP (the DBCTL call processor)
(1C)	ADDRESS	4	DLPRPEP	Address of DFHDLIRP (the Remote call processor)
(20)	ADDRESS	4		Reserved
(24)	ADDRESS	4	DLPEDPEP	Address of DFHEDP (the EXEC DLI program)
(28)	ADDRESS	4	DLPRPDIR	Address of the remote PDIR
(2C)	ADDRESS	4		Reserved
(30)	BITSTRING	1	DLPFLG	Flag Byte
	1.		DLPPSBCK	"X'02" User Security Checking Required CF DFHSIT PSBCHK=YES NO
(31)	ADDRESS	3		Reserved
	11 .1		DLPDFEND	"*" End of dlp
	1		DLPDISPL	"8" DISPLACEMENT IN PDIR FROM COUNT FIELD TO START OF THE DIRECTORY

DBCTL scheduling block **DSB**

CONTROL BLOCK NAME = DFHDSB (In DFHDBCOP, invoked via DFHDBMAC) (Invoked by DFHDLP DSB=DSECT) DESCRIPTIVE NAME = CICS DBCTL Scheduling Block FUNCTION = Used to store task-related information regarding the CICS-DBCTL interface. LIFETIME = The DBCTL Scheduling Block (DSB) is acquired when a task issues its first schedule request to DBCTL. It is cleared just before each subsequent schedule request from the same task is processed. It is released at task termination. LOCATION = PAPL token -> DSB NOTES: DEPENDENCIES = S/370
RESTRICTIONS = None
MODULE TYPE = Control Block definition EXTERNAL REFERENCES = TCA, DGB, PCB list. CONTROL BLOCKS = DBCTL exit addresses GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description			
(0)	STRUCTURE	656	DFHDSB				
Field	ds common to all DSB	s					
(0)	CHARACTER	8	DSBDESC	Set to DFHDSB			
(8)	ADDRESS	4	DSBTCA	Address of the TCA			
(C)	ADDRESS	4	DSBDGB	Address of the DGB			
(10)	ADDRESS	4	DSBTTOK	Task Token			
Co	Contains address of DSB						
(14)	ADDRESS	4	DSBTECB	Task ECB used by Suspend and			
Re	sume exits						
(18)	ADDRESS	4	DSBRESPW	Pointer to the response word -			
Th	is field is set by DFHE	BAT					
(1C)	ADDRESS	4	DSBSSX	pointer to the status exit extn			
(20)	CHARACTER	1	DSBRTYP	Request Type			
	Connection Request T hedule Request D: DL		tion Request P: PSB R: Resync S: CICS Shut	down			
These	Fields relating to Schedule Requests These fields are relevant for the duration of a schedule Term cycle.						
(21)	BITSTRING	1	DSBFLAGS				
()	1		DSBSCHED	Indicator for schedule 1: DBCTL PSB scheduled successfully during task 0: DBCTL PSB never schedule			
	.1		DSBIOREQ	Indicator for IOPCB 1 : IOPCB required 0 : IOPCB not required			
	1		DSBINRMC	This task in DFHRMCAL This bit is set and reset in a single request			
	1		DSB WAIT	Wait in IMS request ind.			
	1		DSBTRLV2	Trace Flag used by DBREX 1 : RMI IvI 2 trace active 0 : RMI IvI 2 trace inactive			
	11.		*	Reserved			
	1		DSBPSK	DRA supports PSK			
(22)	CHARACTER	8	DSBPSBNM	PSB name			
(2A)	UNSIGNED	1	DSBWRTH	Deadlock worth			
(2B)	CHARACTER	1	DSBLSFL	Long-Short flag			
(2C)	ADDRESS	4	DSBPCBL	Address of PCB List			
(2C)	FULLWORD	4	DSBTIMEO	Shutdown timeout value			
(30)	ADDRESS	4	DSBDBPCB	Address of first DBPCB			
(34)	FULLWORD	4	DSBMAXIO	Maximum IO size			
(38)	FULLWORD	4	DSBMAXKE	Maximum key length			
(3C)	ADDRESS	4	DSBADGMA	Addr getmn'd area			
(40)	FULLWORD	4	DSBLATFM	Lgth area to free			
(44)	CHARACTER	1	DSBPLTY	PSB language type			
Fields	relating to DL/I reque	ests					
(45)	CHARACTER	1	DSBALTY	Application language type			
(46)	CHARACTER	2	*	Reserved			
(48)	FULLWORD	4	DSBSEGL	Segment length			
(4C)	ADDRESS	4	DSBSEGA	Segment address			
Area	to contain R1 parame	er list to the	e Adapter				
(50)	CHARACTER	64	DSBPARMS	Parameters to interface with the Adapter			

Offset Hex	Туре	Len	Name (Dim)	Description			
that th need f	Monitoring and trace areas are placed at the end of the DSB so that the rest of the DSB can be traced by DFHDBREX without the need for multiple GTRACE requests (255 byte limit). Monitoring area used on schedule and term requests.						
(90)	CHARACTER	256	DSBMONI	Monitoring info from DBCTL			
Trace	Trace area used to build GTF trace entry output by DFHDBREX.						
(190)	CHARACTER	256	DSBGTRACE	Trace area used by GTRACE			

R1 Parameter List for a Connection Request to the Adapter

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	64	DSBINIP	
(0)	ADDRESS	4	DSBINRTYPA	Address of the Request Type
(4)	ADDRESS	4	DSBINTTOKA	Address of the Task Token
(8)	ADDRESS	4	DSBINRESPA	Address of Adapter Response word
(C)	ADDRESS	4	DSBINDBID	Address of input DBCTL id(if any)
(10)	ADDRESS	4	DSBINAGNA	Address of CICS AGN - not used
(14)	ADDRESS	4	DSBINSTSUA	Address of Startup Table Suffix
(18)	ADDRESS	4	DSBINAPLID	Address of CICS APPLID
(1C)	ADDRESS	4	DSBINSUSXA	Address of Suspend Exit
(20)	ADDRESS	4	DSBINRESXA	Address of Resume Exit
(24)	ADDRESS	4	DSBINCTLXA	Address of Control Exit
(28)	ADDRESS	4	DSBININTKA	Address of Connect Token
(2C)	ADDRESS	4	DSBINMONXA	Address of Monitoring Exit
(30)	ADDRESS	4	DSBINTOKXA	Address of Token Exit
(34)	ADDRESS	4	DSBINSTAXA	Address of Statistics Exit
(38)	ADDRESS	4	DSBINSTSXA	Address of status exit
(3C)	ADDRESS	4	DSBINPCTOKN	Address of Call Token-Prev Session

Response From a Connection Request to the Adapter

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	DSBINIR	
(0)	HALFWORD	2	DSBINRESPL	Length of the response
(2)	CHARACTER	1	*	Reserved
(3)	CHARACTER	1	*	Reserved
(4)	UNSIGNED	4	DSBINPRETC	Return code from the PAPL
(8)	CHARACTER	4	DSBINDBCID	DBCTL ID
(C)	ADDRESS	4	DSBINCTOKN	Call Token

R1 Parameter list for a Disconnection Request to the Adapter

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	DSBTERP	
(0)	ADDRESS	4	DSBTERTYPA	Address of the Request Type
(4)	ADDRESS	4	DSBTETTOKA	Address of the Task Token
(8)	ADDRESS	4	DSBTERESPA	Address of Adapter response word
(C)	ADDRESS	4	*	Reserved
(10)	ADDRESS	4	DSBTETTYPA	Address of Disconnection Type Flag

Response from a Disconnection Request to the Adapter

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DSBTERR	
(0)	HALFWORD	2	DSBTERESPL	Length of the response
(2)	CHARACTER	1	*	Reserved
(3)	CHARACTER	1	*	Reserved
(4)	UNSIGNED	4	DSBTEPRETC	Return code from the PAPL
(8)	FULLWORD	4	DSBTEMATHD	Max thread hits

Offset Hex	Туре	Len	Name (Dim)	Description
(C)	FULLWORD	4	DSBTEMITHD	Min thread hits
(10)	CHARACTER	4	DSBTEELMAX	Elapsed time at max threads
(14)	FULLWORD	4	DSBTEHIWAT	Hi-Water for No. of threads

R1 parameter list for PSB Schedule request to the Adapter

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	36	DSBPSBP	
(0)	ADDRESS	4	DSBPSRTYPA	Address of the Request Type
(4)	ADDRESS	4	DSBPSTTOKA	Address of the Task Token
(8)	ADDRESS	4	DSBPSRESPA	Address of Adapter Response Word
(C)	ADDRESS	4	DSBPSUSERA	Address of Userid field
(10)	ADDRESS	4	DSBPSMONIA	Address of Monitoring Area
(14)	ADDRESS	4	DSBPSALTYA	Address of Language Type
(18)	ADDRESS	4	DSBPSDEADA	Address of Deadlock Worth
(1C)	ADDRESS	4	DSBPSLSFLA	Address of LONG-SHORT Flag
(20)	ADDRESS	4	DSBPSPSBNA	Address of PSBNAME

Response from a PSB Schedule request to the Adapter

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DSBPSBR	
(0)	HALFWORD	2	DSBPSRESPL	Length of the Response
(2)	CHARACTER	1	DSBPSPLTY	PSB Language Type
(3)	BITSTRING	1	DSBPSFLAGS	
	1111 111.		*	Reserved
	1		DSBPSPSK	DRA supports PSK
(4)	UNSIGNED	4	DSBPSPRETC	Return Code from the PAPL
(8)	ADDRESS	4	DSBPSPCBL	Address of PCB list
(C)	ADDRESS	4	DSBPSDBPCB	Address of first DBPCB
(10)	FULLWORD	4	DSBPSMAXIO	Maximum IO size
(14)	FULLWORD	4	DSBPSMAXKE	Maximum key length

R1 Parameter list for DL/I request to Adapter

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DSBDLIP	
(0)	ADDRESS	4	DSBDLRTYPA	Address of the Request Type
(4)	ADDRESS	4	DSBDLTTOKA	Address of the Task Token
(8)	ADDRESS	4	DSBDLRESPA	Address of Adapter Response Word
(C)	ADDRESS	4	*	Reserved
(10)	ADDRESS	4	DSBDLAPR1A	Address of Application Parameter List
(14)	ADDRESS	4	DSBDLALTYA	Address of Language Type

Response from a DL/I request to the ADAPTER

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	DSBDLIR	
(0)	HALFWORD	2	DSBDLRESPL	Length of the Response
(2)	CHARACTER	1	*	Reserved
(3)	CHARACTER	1	*	Reserved
(4)	UNSIGNED	4	DSBDLPRETC	Return Code from the PAPL
(8)	FULLWORD	4	DSBDLSEGL	Segment length

Format of PAPLRETC response code from the DRA

Offset Hex	Туре	Len	Name (Dim)	Description
(4)	STRUCTURE	4	DSBPRETC	
(4)	BITSTRING	1	DSBPRETC_FLAGS	Flag values
(5)	BITSTRING	1	DSBPRETC_SYSTEM	System abend code
(6)	BITSTRING	1	DSBPRETC_USER	User abend code

Constants

	_					
Len	Type	Value	Name	Description		
1	CHARACTER	0	DSBTERT_ORD			
1	CHARACTER	I .	DSBTERT_IMM			
1	CHARACTER	A	DSBTERT_ABND			
Pos	sible values of DSBRTF	•				
1	CHARACTER	I	DSBINIT_REQ	initialization DSB		
1	CHARACTER	T	DSBTERM_REQ	termination DSB		
1	CHARACTER	Р	DSBPSB_REQ	schedule DSB		
1	CHARACTER	D	DSBDLI_REQ	DLI req DSB		
1	CHARACTER	R	DSBRES_REQ	resync DSB		
1	CHARACTER	S	DSBSHU_REQ	shutdown DSB		
Possible values of DSBALTY and DSBPLTY						
1	HEX	01	DSBLPLI	PL/I		
1	HEX	02	DSBLCOB	COBOL		
1	HEX	03	DSBLFOR	Fortran		
1	HEX	04	DSBLASM	assembler		
1	HEX	08	DSBLAIB	AIB		
Value	Value of DSBWRTH					
1	DECIMAL	87	DSBWRTH_CICS			
Valu	ue of DSBLSFL					
1	HEX	80	DSBLSFL_CICS	CICS tasks classed as short		
Possi	ble values of DSBTETT	YP, i.e. the field that DSBTETTYF	PA			
points		TT, I.O. the hold that DODTETTT				
1	CHARACTER	С	DSBTETTYP CHKPT			
1	CHARACTER	F	DSBTETTYP_FAST			
1	CHARACTER	S	DSBTETTYP_SLOW			
Valu	ues of bit flags					
0	BIT	1	DSB ON			
0	BIT	0	DSB_OFF			
Valu	ues of DFHDBAT'S Retu	ırn codes in R15				
4	DECIMAL	4	DSBUNSUP	Call not understood		
4	DECIMAL	8	DSBIFDUP	Redundant interface Call		
4	DECIMAL	12	DSBINNLD	Connect load failure		
4	DECIMAL	16	DSBTRPRE	Disconnect Preempted		
4	DECIMAL	24	DSBADNRY	Adapter not ready		
4	DECIMAL	28	DSBADDIS	Adapter is disabled		
4	DECIMAL	32	DSBCANCD	Thread is cancelled		
4	DECIMAL	36	DSBCADUP	Redundant Cancel Call		
1	HEX	80	DSBPRETC_ ABEND_SNAP	abend + snap		
1	HEX	88	DSBPRETC ABEND	abend		
1	HEX	84	DSBPRETC	abend + DRA snap		
	:=::	-	ABEND DRASNAP			
1	HEX	40	DSBPRETC_STATUS	status code		
1	HEX	00	DSBPRETC_RETURN	return code		

DSG Dispatcher statistics

```
CONTROL BLOCK NAME = DFHDSGDS
DESCRIPTIVE NAME = CICS Dispatcher Statistics
    CICS level at which this module was last updated
FUNCTION =
    This data area contains global statistics provided by the
    Dispatcher Domain
    It is provided for use in users monitoring applications
    to map the statistics returned via the APi or the statistics
    exit.
    There is a single instance of this data block.
LIFETIME =
    This data block is created by the Dispatcher to store
    statistics to be passed to the user in response to a request
    to a request for statistics. The storage is released when
    the user task is detached.
    The DSECT also maps the contents of part of the SMF buffer
    created by the statistics domain and is used in the
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
    block.
INNER CONTROL BLOCKS = none
NOTES:
 DEPENDENCIES = S/370
 RESTRICTIONS = none
 MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from dispatcher domain
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHDSGDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)			DFHDSGDS	Dispatcher Domain DSECT
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	DSGLEN	Length of data area
	11 .111		DSGIDE	"0055" Dispatcher domain id mask
(2)	ADDRESS	2	DSGID	Dispatcher domain id
	1		DSGVERS	"X'01" Stats version number id mask
(4)	CHARACTER	1	DSGDVERS	Stats version number
(5)	CHARACTER	3		Filler
(8)	FULLWORD	4	DSGICVT	Current ICV time
(C)	HALFWORD	2	DSGICVSD	Current ICVSD time
(E)	HALFWORD	2	DSGCNT	Current number of tasks
(10)	HALFWORD	2	DSGPNT	Peak number of tasks
(12)	CHARACTER	6		Reserved
(18)	CHARACTER	8	DSGSTART	GMT STCK Sub-Disp start time
(20)	CHARACTER	8	DSGLSTRT	Local STCK Sub-Disp start time
(28)	CHARACTER	8	DSGEJST	Elapsed Job Step timing
(30)	CHARACTER	8	DSGSRBT	Accumulated SRB time
The follo	wing fields only apply	to OM (ope	n mode) TCBs	
(38)	CHARACTER	8	DSGTOTWL	Total Wait Time at TCB limit
(40)	CHARACTER	8	DSGCURWT	Current waiting time
(48)	FULLWORD	4	DSGTOTNW	Total number of waits
(4C)	FULLWORD	4	DSGCURNW	Current number of tasks waiting for a TCB
(50)	FULLWORD	4	DSGPEANW	Peak number of tasks waiting for a TCB
(54)	FULLWORD	4	DSGMAXOP	Max number of open TCBs
(58)	FULLWORD	4	DSGCNUAT	Current OM TCBs attached
(5C)	FULLWORD	4	DSGPNUAT	Peak OM TCBs attached
(60)	FULLWORD	4	DSGCNUUS	Current OM TCBs in use
(64)	FULLWORD	4	DSGPNUUS	Peak OM TCBs used
(68)	FULLWORD	4	DSGNTCBL	Number of times at TCB limit
(6C)	FULLWORD	4	DSGICVRT	Current ICVR Time
(70)	HALFWORD	2	DSGPRIAG	Priority aging
(72)	CHARACTER	20		Reserved
(86)	HALFWORD	2	DSGASIZE	Numb of DSGTCB dsects supplied
	1 1		DSGMEND	H+H
	1 1		DSGMCLEN	"*-DSGLEN" Length

TCB statistics

The stats for the Dispatcher TCBs are kept in an open ended array The TCB number to dispatcher mode map is as follows:

TCB1 = Quasi Reentrant mode

TCB2 = Resource owning mode

TCB3 = Concurrent mode

TCB4 = Secondary LU mode TCB5 = ONC/RPC mode

TCB6 = File Owning mode
TCB7 = Sockets Owning mode (SL)
TCB8 = Sockets Owning mode (SO)

TCB9 = J8 - Open mode

TCB10 = L8 - Open mode TCB11 = S8 - Sockets Mode

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DSGTCB	TCB Stats
(0)	CHARACTER	2	DSGTCBNM	TCB mode name
(2)	HALFWORD	2		Reserved
(4)	FULLWORD	4	DSGTCBCA	Number of TCBs currently attached
(8)	FULLWORD	4	DSGTCBPA	Peak number of TCBs attached
(C)	FULLWORD	4	DSGSYSW	No partn exits
(10)	FULLWORD	4	DSGNTCBA	Number of TCB attaches
(14)	FULLWORD	4	DSGTCBDU	Numb of TCB detaches because unclean
(18)	FULLWORD	4	DSGTCBDS	Numb of TCB detaches because stolen (from us)
(1C)	FULLWORD	4	DSGTCBDO	Number of TCB detaches other
(20)	FULLWORD	4	DSGTCBST	Number of TCB steals
(24)	FULLWORD	4		Reserved
(28)	FULLWORD	4		Reserved
(2C)	FULLWORD	4		Reserved
The follo	owing CL8 definitions	are really "S	Store Clock" format	
(30)	CHARACTER	8	DSGTWT	Cum real time CICS in OS wait
(38)	CHARACTER	8	DSGTDT	Cum real time TCB disp by MVS
(40)	CHARACTER	8	DSGTCT	Cum CPU time for DS task
(48)	CHARACTER	8	DSGACT	Cum CPU time for TCB
(50)	CHARACTER	8		Reserved
	.1.1 1		DSGEND	H±H
	.1.1 1		DSGCLEN	"*-DSGTCB" Length of TCB stats

DSN File control dataset name

```
MACRO NAME = DFHDSND
DESCRIPTIVE NAME = CICS/ESA File control DATA-SET NAME BLOCK and BASE CLUSTER block.
FUNCTION =
    Create or map an instance of the DATASET NAME block.
    This block is dependent from the File Control Table,
    and contains a dataset name (up to 44 characters long)
    or equivalently a /VSE file-ID.
    It is pointed to by any number of FCT file entries, for either or both the purposes:
    a) to carry a name for possible DYNAMIC ALLOCATION when the
      file is next opened. (The "optative" name.)
    b) to represent the BASE CLUSTER (in VSAM), DATA SET (BDAM),
      (or any other entity) that the file, being open,
      can update and that CICS needs to guard for backout
      integrity.
          DATASET NAME BLOCK
The File Control Data Set Name Block (DSNB) holds the name
for dynamic allocation of a data set. Any number of files
(represented by File Control Table Entries, FCTEs) may address
a DSNB. Dynamic allocation takes place at the time a file is
opened. At this time, if the DSNB represents a VSAM base cluster
or a BDAM data set, further information describing the data set
is stored in the Base Cluster Block that is part of the DSNB.
The following fields form part of the Product Sensitive
Programming Interface :
 FCTDNAME
 FCTDNLEN
 FCTDNVAL bit setting in byte FCTDNFL1
 FCTBCFR, FCTBCLOG, FCTBCVAL, bit settings in byte FCTBCFL1
 FCTBCFRL
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHDSNDS	DUMMY SECTION START
(0)	CHARACTER	8	FCTDNRN	resource name(='DSN_BLK:') ,
(8)	CHARACTER	44	FCTDNAME	dataset name ,
(34)	ADDRESS	4	FCTDNNUM	DATASET NUMBER (CC KEY) ,
(38)	ADDRESS	4	FCTDNBCN	DITTO OF CORR. BASE CLUSTER ,
(3C)	HALFWORD	2	FCTDNUC	USE COUNT,
	ADDRESS	1	FCTDNLEN	EFFECTIVE LENGTH OF DSNAME ,
(3E)		1		
(3F)	ADDRESS	-	FCTDNTYP	DSTYPE=ESDS KSDS RRDS PATH,
(40)	BITSTRING	1	FCTDNFL1	FLAGS ,
	1		FCTDNVAL	"X'80" DSN VALIDATED IN VSAM CAT. ,
	.1		FCTDNRLS	"X'40" Last open was in RLS mode ,
(41)	BITSTRING	3		Reserved ,
(44)	FULLWORD	4	(0)	ALIGNMENT FOR INNER BLOCK ,
	.11		FCTDNINC	"*" START OF BASE CLUSTER BLOCK ,
	BASE CLUSTER	BLOCK		
	.11		DFHBCCDS	*** ,
(44)	HALFWORD	2	FCTBCUC	Count of ACBs that are open for files in the cluster, or are in transition to or from that state.
(46)	HALFWORD	2	FCTBCUUC	Count of ACBs open for update
(48)	BITSTRING	1	FCTBCFL1	VARIOUS FLAGS -
	1		FCTBCSRP	"X'80" LOCALLY-SHARED RESOURCES APPLY
	.1		FCTBCKVL	"X'40" ATTRIBUTESKYL &RKP ARE VALID
	.1 1		FCTBCRCV	"FCTBCFL1" RECOVERY ATTRIBUTES OF BASE CLUSTER
	1		FCTBCFR	"X'20" FORWARD RECOVERY
	1		FCTBCLOG	"X'10" LOGGING
	1		FCTBCVAL	"X'08" VALID FLAG FOR RECOVERY ATTRIBUTES
	1		FCTBCMIS	"X'04'" Recov Attrs Mismatch Flag
	.1 1		FCTBCSHP	"FCTBCFL1" SHARE OPTIONS INDICATOR
	11		FCTBSH4	"X'03" SHARE OPTIONS 4
	1.		FCTBSH34	"X'02" SHARE OPTIONS 3 OR 4
	1		FCTBSH24	"X'01" SHARE OPTIONS 3 OR 4
(40)	ADDRESS	1	FCTBCFRL	FRLOG ID FOR FORWARD RECOVERY
(49)	ADDRESS	1	FCTBCFRL	AVAILABILITY STATE
(4A)				
(45)	1		FCTBCUNA	"X'20" unavailability
(4B)	ADDRESS	1	FCTBCKYL	Length of key
(4C)	ADDRESS	2	FCTBCRKP	Relative key position
(50)	FULLWORD	4	FCTBCCIS	Base cluster Control Interval Size.
(54)	ADDRESS	4	FCTBCVSC	Anchor for chain of VSWAs executing requests against this base.
(58)	FULLWORD	4	FCTBCSRB	Relative byte address for ESDS
(5C)	HALFWORD	2	FCTBCPUC	No. of open ACBs with DSname sharing
(5E)	HALFWORD	2	FCTBCRUC	Count of ACBs that are open against this recoverable ESDS base.
(60)	SIGNED	1	FCTBCLSR	LSR pool identifier
(61)	BITSTRING	1	FCTBCFIC	Fuzzy Image Copy flags
. ,	1		FCTBCFUZ	"X'80'" Fuzzy backup enabled
	.1		FCTBCVFS	"X'40" Valid fuzzy state
(62)	HALFWORD	2	FCTBCFUC	Fuzzy File update count

Offset Hex	Туре	Len	Name (Dim)	Description
(64)	ADDRESS	4	FCTBCACB	Address of ACB for base cluster. Allocated at the time of first PUT ADD or MASS INSERT
(- /				against the path.
(68)	ADDRESS	4	(2)	Add/Delete counts
(70)	ADDRESS	4	FCTBC_FLLB_CHAIN	Start of FLLB chain
(74)	BITSTRING	1	FCTBC_RLS_INDS	Data table and RLS flags
	.1		FCTBC_LOST_LOCKS	"X'40" Data set in lost locks state
(75)	BITSTRING	1		Data table ECB
(76)	BITSTRING	1		Data table loaded ECB
(77)	BITSTRING	1		Reserved
(78)	CHARACTER	8		Table name
(80)	ADDRESS	4	FCTBCDTK	Table token
(84)	ADDRESS	4		Open FCTE chain
(88)	FULLWORD	4	FCTBCTKN	FR Log Tkn from CICS Logger
(8C)	BITSTRING	1	FCTBCFL2	Recovery Attribute Flags
	1		FCTBCCAT	"X'80" Attrs originate from catalog
	.1		FCTBCRLS	"X'40" Attrs set on RLS file open
	1		FCTBCRA	"X'20" BCB has RLS ACBs open
	1		FCTBCNRA	"X'10" BCB has non-RLS ACBs open
(8D)	CHARACTER	26	FCTBCCRL	FR Logstream Name from Catalog
(A7)	CHARACTER	1	FCTBC_QSTATE	RLS quiesce progress state for QUICLOSE, QUICOPY or QUIBWO
(A8)	FULLWORD	4	FCTBC_0890_COUNT	Requests awaited for 08-90
(AC)	CHARACTER	8	FCTBC_QTOKEN	RLS quiesce token, returned to VSAM when QUICMP issued
(B4)	ADDRESS	4	FCTBC_CONN_CHAIN	Chain of connected FCTEs
(B8)	ADDRESS	4	FCTBC_OWNING_ FRAB	Holder of ESDS write lock
(BC)	FULLWORD	4	FCTBC_SAFE_RBA	Highest safe RBA for update
(C0)	FULLWORD	4	FCTBC_QCOUNT	Number of UOWs to reach syncpoint before QUICMP can be issued for QUICOPY or
				QUIBWO
(C4)	CHARACTER	8	FCTBC_BWO_STAMP	OPEN TIMESTAMP FOR BWO
(CC)	ADDRESS	4	DFHBCEND (0)	Align, to round up gross length
	1 1		DFHBCLEN	"DFHBCEND-DFHBCCDS",

Constants for FCTBC_QSTATE. This tracks the progress of a VSAM RLS QUICLOSE, QUICOPY or QUIBWO quiesce request.

, QUIC	OF 1 of QUIDWO quiesce	riequesi.	
	••••	FCTBC_QSTATE_ NORMAL	"0"
••••	1	FCTBC_QSTATE_ QUIESCING	Ü
••••	1.	FCTBC_QSTATE_ QUIESCE_ CANCELLING	"1" "2"
	11	FCTBC_QSTATE_ COPYING	"3"
••••	.1	FCTBC_QSTATE_ COPY_CANCELLING	3
	.1.1	FCTBC_QSTATE_ COPY_POLICING	"4"
	.11.	FCTBC_QSTATE_ BWOING	"5" "6"
••••	.111	FCTBC_QSTATE_ BWO_CANCELLING	U
			"7"

DUA Dump domain control blocks

```
CONTROL BLOCK NAME = DUA
DESCRIPTIVE NAME = CICS Dump Domain - Common structures
and constants
FUNCTION = Contains the structures for :-
         DUA - DU anchor block
          DTB - Dump table block header
          BTB - Browse table header
         DTE - Dump table element BTE - Browse table element
          CC_DU_STATE - Dump catalog record
          XFINTER - Interface block
          OPEN_BLOCK - Dump dataset open block
          ECB - Dump dataset ECB block
         WL - Dump dataset remote parameter list
DUA - DU Anchor block
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	370	DUA	
(0)	CHARACTER	16	DUA_PREFIX	Standard prefix
(0)	HALFWORD	2	DUA_LENGTH	Length of block
	CHARACTER	1	DUA_ARROW	'>'
(2)				
(3)	CHARACTER	3	DUA_DFH	'DFH'
(6)	CHARACTER	2	DUA_DOMID	'DU'
(8)	CHARACTER	8	DUA_BLOCK_NAME	'ANCHOR'
(10)	CHARACTER	8	DUA_APPLID	CICS system identifier
(18)	CHARACTER	8	DUA_SYSTEM_ DUMPCODE	·
(- /				Dump code
(20)	FULLWORD	4	DUA_SYS_ DUMPS_TAKEN	Global system dumps taken
(24)	FULLWORD	4	DUA_SYS_ DUMPS_SUPPRESSED	
				Global system dumps supp'sd
(28)	FULLWORD	4	DUA_TRAN_	
			DUMPS_TAKEN	
			-	Global tran dumps taken
(2C)	FULLWORD	4	DUA TRAN	olobal trail dumps tallon
(20)	TOLLWOILD	-	DUMPS_SUPPRESSED	
			DUMPS_SUPPRESSED	Olah al tana di mana annala d
				Global tran dumps supp'sd
(30)	CHARACTER	8	DUA_LAST_ RESET_TIME	
				Last stats reset time
(38)	UNSIGNED	4	DUA_MESSAGE_LEN	Message length
(3C)	ADDRESS	4	DUA_MESSAGE_PTR	Message address
(40)	UNSIGNED	4	DUA_TITLE_LEN	Title length
(44)	ADDRESS	4	DUA_TITLE_PTR	Title address
(48)	UNSIGNED	4	DUA_CALLER_LEN	Caller length
		4		
(4C)	ADDRESS	-	DUA_CALLER_PTR	Caller address
(50)	UNSIGNED	4	DUA_SSS_LEN	Short symptom string len
(54)	ADDRESS	4	DUA_SSS_PTR	Short symptom string addr
(58)	BITSTRING	4	*	Reserved
(5C)	FULLWORD	4	DUA_CSVDYNEX_RC	CSVDYNEX return code
(60)	FULLWORD	4	DUA_CSVDYNEX_ REASON	
` ,				CSVDYNEX reason
(64)	CHARACTER	80	*	Reserved
(B4)	BITSTRING	1	DUA FLAGS	Reserved
(D4)	1		DUA_SDUMP_	110001100
	1			
			IN_PROGRESS	
				SDUMP taking place
	.1		DUA_TERMINATING	DU is terminating
	1		DUA_COLD_START	START=COLD in SIT
	1		DUA_REMOTE_ DUMPS	Remote dumps available
	1		DUA_DUMP_ TABLE_INIT	
				Is DU Table ready?
(B5)	CHARACTER	3	*	10 DO Table Today.
(B8)	CHARACTER	39	DUA_XD_AREA	Tran dump fields
(B8)	ADDRESS	4	DUIO_ENTRY_ POINT	Addr. DUIO routine
(BC)	ADDRESS	4	DATASET_ LOCK_TOKEN	XD dataset lock
(C0)	ADDRESS	4	OPENBLOK_PTR	-> XD dataset file cont.blk
(C4)	ADDRESS	4	DCB_PTR	-> XD dataset DCB
(C8)	ADDRESS	4	BUFFER_PTR	-> XD dataset buffer
(CC)	ADDRESS	4	CUR_RECORD_PTR	-> Current record in buffer
(D0)	ADDRESS	4	SM_ISOLATION_ TOKEN	
(50)	, IDDINEOU	7	SM_IOOD (IION_ TOREIN	Isolation token required on SWITCH_SUBSPACE calls
(D4)	ELILI WORD	4	DDS BLIEFED LEN	
(D4)	FULLWORD	4	DDS_BUFFER_LEN	Current buffer size
(D8)	UNSIGNED	4	XD_ECB_ERROR	No XD dataset ECB errors
(DC)	BITSTRING	1	DUSU_REASON_ FLAGS	Work flags
	1		X_OPEN_ERROR	Error found when attempting to open dump dataset - XDUOUT exit active
	.1		X_PARTIAL	EOV on dump dataset and switching not active - XDUOUT exit active
	1		SU_DCB_EROR	DUSU error

Offset Hex	Туре	Len	Name (Dim)	Description
	1		X_NOT_OPEN XD_MVCL_ERR	Dataset not open Set if we go into DUXWREC too often on the MVCL command in DFHDUXW
(DD)	111 BITSTRING	1	XD FLAGS	Reserved Tran dump flags
(55)	1		SWITCH_IN_PROG	Autoswitch in progress
	.1		OPEN_STATUS	XD dataset status
	1		DUXD_ACTIVE	Transaction dump active
	1 1		XDUCLSE_ACTIVE	XD close exit active
	1		XDUOUT_ACTIVE XDUREQ_ACTIVE	XD buffer write exit Dump request exit active
	1.		XDUREQC ACTIVE	Dump request close exit active
			CLOSE_MSG	Used to prevent CLOSE msg from being issued more than once for a dump dataset. Set on -
				when dataset first closed. Set off when dataset opened
(DE)	UNSIGNED	1	DUXWREC_COUNT	Count of failures of MVCL for any 1 subfunction
(DF)	CHARACTER	1	*	Down astalan assaul
(E0)	CHARACTER	40	DUCAT	Dump catalog record
	or constructing dump	_str in form r	· · · · · · · · · · · · · · · · · · ·	Numa aumbas
(108) (10C)	CHARACTER	4 9	DUA_DUMP_NO DUA_DUMP_STR	Dump number Run/dump string
<u> </u>				Runruump sumg
			ansaction Dump Table	
(115) (118)	CHARACTER ADDRESS	3 4	DUA_SDTBLOCKHEAD	-> SDT block header
(110) (11C)	ADDRESS	4	DUA_SDTBLOCKHEAD DUA_TDTBLOCKHEAD	-> TDT block header
(120)	ADDRESS	4	DUA_SDTFREEHEAD	-> SDT free chain head
(124)	ADDRESS	4	DUA_TDTFREEHEAD	-> TDT free chain head
(128)	CHARACTER	8	DUA_SDTHEAD	
(128)	ADDRESS	4	DUA_SDTFIRST	-> First SDT element
(12C)	ADDRESS	4 8	DUA_SDTLAST	-> Last SDT element
(130) (130)	CHARACTER ADDRESS	4	DUA_TDTHEAD DUA_TDTFIRST	-> First TDT element
(134)	ADDRESS	4	DUA_TDTLAST	-> Last TDT element
	rs for Browse Token	Table (for bro		
(138)	ADDRESS	4	DUA BTTBLOCKHEAD	-> Browse table block header
(13C)	ADDRESS	4	DUA_BTTFREEHEAD	-> BTT free chain head
(140)	CHARACTER	8	DUA_BTTHEAD	
(140)	ADDRESS	4	DUA_BTTFIRST	-> First BTT element
(144)	ADDRESS	4	DUA_BTTLAST	-> Last BTT element
	r for dump statistics b			
(148)	ADDRESS	4	DUA_STATS_ BUFFER_PTR	
				-> Dump statistics buffer
Lock to				
(14C)	ADDRESS	4	DUA_SDMPLOCK_ TOKEN	System dump LMLM lock token
(150) (158)	CHARACTER ADDRESS	8 4	* DUA TARLOCK TOKEN	Reserved
(156) (15C)	ADDRESS	4	DUA_TABLOCK_ TOKEN DUA_FTLOCK_TOKEN	Dump table LMLM lock token FT table LMLM lock token
<u> </u>	rs for Feature Table	-	BON_I TEOON_TONEIN	That circle to the control of the co
(160)	ADDRESS	4	DUA FTBLOCKHEAD	-> FT block header
(164)	ADDRESS	4	DUA_FTFREEHEAD	-> FT free chain hd
(168)	CHARACTER	8	DUA_FTHEAD	
(168)	ADDRESS	4	DUA_FTFIRST	-> First FT element
(16C)	ADDRESS	4	DUA_FTLAST	-> Last FT element
Feature	e count			
(170)	UNSIGNED	2	DUA_FT_COUNT	Number of features
(172)	CHARACTER		*	

DTB - Block header for System Dump Table & Transaction Dump Table

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	DTB	
(0)	CHARACTER	20	DTB_PREFIX	Standard prefix
(0)	HALFWORD	2	DTB_LENGTH	Length of block
(2)	CHARACTER	1	DTB_ARROW	'>'
(3)	CHARACTER	3	DTB_DFH	'DFH'
(6)	CHARACTER	2	DTB_DOMID	'DU'
(8)	CHARACTER	8	DTB_BLOCK_NAME	'STDBLOCK' or 'TDTBLOCK'
(10)	ADDRESS	4	DTB_NEXT	-> Next Dump Table Block
(14)	CHARACTER		*	

FTB - Block header for Feature table

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	FTB	
(0)	CHARACTER	20	FTB_PREFIX	Standard prefix
(0)	HALFWORD	2	FTB_LENGTH	Length of block
(2)	CHARACTER	1	FTB_ARROW	'>'
(3)	CHARACTER	3	FTB_DFH	'DFH'
(6)	CHARACTER	2	FTB_DOMID	'DU'
(8)	CHARACTER	8	FTB_BLOCK_NAME	'FTBLOCK'
(10)	ADDRESS	4	FTB_NEXT	-> Next FT table
(14)	CHARACTER		*	block

BTB - Block header for Dump Table Browse Token Table

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	BTB	
(0)	CHARACTER	20	BTB_PREFIX	Standard prefix
(0)	HALFWORD	2	BTB_LENGTH	Length of block
(2)	CHARACTER	1	BTB_ARROW	'>'
(3)	CHARACTER	3	BTB_DFH	'DFH'
(6)	CHARACTER	2	BTB_DOMID	'DU'
(8)	CHARACTER	8	BTB_BLOCK_NAME	'BTTBLOCK'
(10)	ADDRESS	4	BTB_NEXT	-> Next Browse Table Block
(14)	CHARACTER		*	

 $\ensuremath{\mathsf{DTE}}$ - Dump Table element. Used for System or Transaction Dump Table.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	48	DTE	
(0)	ADDRESS	4	DTE_NEXT	-> Next DTE
(4)	ADDRESS	4	DTE_PREV	-> Previous DTE
(8)	CHARACTER	8	DTE_DUMPCODE	Tran dump code bytes 1-4 or system dump code bytes 1-8
(10)	UNSIGNED	1	DTE_DUMPSCOPE	Scope of the dump. RELATED or LOCAL
(11)	UNSIGNED	1	DTE_TRANSACTION_ DUMP	
				Tran dump reqd
(12)	UNSIGNED	1	DTE_SYSTEM_DUMP	System dump reqd
(13)	UNSIGNED	1	DTE_TERMINATE_ CICS	Terminate CICS reqd
(14)	FULLWORD	4	DTE_MAXIMUM_ DUMPS	Only take this number
(18)	FULLWORD	4	DTE_COUNT	Number of dump calls
(1C)	FULLWORD	4	DTE_TRAN_	
			DUMPS_TAKEN	
				Number of tran dumps taken
(20)	FULLWORD	4	DTE_TRAN_	
			DUMPS_SUPPRESSED	
				Number of tran dumps suppressed
(24)	FULLWORD	4	DTE_SYS_ DUMPS_TAKEN	
				Number of system dumps taken
(28)	FULLWORD	4	DTE_SYS_	
			DUMPS_SUPPRESSED	
				Number of system dumps suppressed
(2C)	UNSIGNED	1	DTE_DAEOPT	PASS SYMPTOM
RE	CORD ONTO DFHDUSV	/C		
(2D)	CHARACTER	3	*	

FTE - Feature table element.

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	124	FTE	
(0)	ADDRESS	4	FTE_NEXT	-> Next FTE
(4)	ADDRESS	4	FTE_PREV	-> Previous FTE
(8)	CHARACTER	8	FTE_FEATURE_ TOKEN	
(10)	CHARACTER	2	FTE_STATUS	Register?
(12)	CHARACTER	30	FTE_COMPANY_NAME	
(30)	CHARACTER	30	FTE_FEATURE_NAME	
(4E)	CHARACTER	10	FTE_FEATURE_ LEVEL	
(58)	CHARACTER	8	FTE_DUMP_ FORMATTING_	
			ROUTINE	

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	CHARACTER	8	FTE_TRACE_ FORMATTING_ ROUTINE	
(68)	CHARACTER	9	FTE_TRACE_ ABBREVIATED_NAME	
(71)	CHARACTER	1	*	
(72)	UNSIGNED	2	FTE_COUNT	
(74)	CHARACTER	8	FTE_FEATURE_ TRACE_TOKEN	
(7C)	CHARACTER		*	

BTE - Browse Table element for Browse Token Table.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	BTE	
(0)	ADDRESS	4	BTE_NEXT	-> Next DTE
(4)	ADDRESS	4	BTE_PREV	-> Previous DTE
(8)	ADDRESS	4	BTE_TOKEN	-> BTE_DUMPCODE
(C)	CHARACTER	8	BTE_DUMPCODE	Tran dump code bytes 1-4 or system dump code bytes 1-8
(14)	FULLWORD	4	*	Reserved
(18)	FULLWORD	4	*	Reserved
(1C)	FULLWORD	4	*	Reserved
(20)	CHARACTER		*	

Definition of catalog record for dump

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	40	CC_DU_STATE	
(0)	FULLWORD	4	DUA RUN NO	Dump ID
(4)	CHARACTER	8	CURRENT_DDS	Current tran dumpds
(4)	CHARACTER	6	*	'DFHDMP'
(A)	CHARACTER	1	DDS_SUFFIX	'A' or 'B'
(B)	CHARACTER	1	*	••
(C)	BITSTRING	1	ST_FLAGS	Status flags
	1		AUTOSWITCH	Autoswitch active
	.1		GL_SYS_SUP	Global system dump suppression
	1		DUA_DAE_DEFAULT	1=DAE
	1 1111		*	Reserved
(D)	BITSTRING	1	INITIAL_DDS	Initial dumpds flag
	1		DFHDMPA_INITIAL	DFHDMPA selected
	.1		DFHDMPB_INITIAL	DFHDMPB selected
	1		AUTO_INITIAL	Either selected
	1 1111		*	Reserved
(E)	HALFWORD	2	DUA_RETRY_TIME	SDUMP retry
Default size and type for Transaction Dump trace				
(10)	FULLWORD	4	DUA_DUMP_ TRACE_SIZE	
				Length
of dump trace requested via SIT				
(14)	BITSTRING	1	DUA_DUMP_ TRACE_FLAG	
	1		DUA_DUMP_	
			TRACE_TYPE	
				1 = ALL 0 = TRAN
	.111 1111		*	
(15)	CHARACTER	3	*	Reserved
Defaults for dump table				
(18)	FULLWORD	4	DUA_TRDUMAX_ DEFAULT	
(1C)	FULLWORD	4	DUA_SYDUMAX_ DEFAULT	
(20)	CHARACTER	8	*	Reserved

Interface block for the formatting routines of transaction dump. The storage for this area is allocated from DUXD dynamic storage and is therefore only available during execution of transaction dump.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	140	XFINTER	
(0)	ADDRESS	4	CSA PTR	CSA address
(4)	ADDRESS	4	TCA PTR	TCA address
(8)	ADDRESS	4	DUDD PLIST	DUDU plist address
(C)	CHARACTER	64	REGSAVE	Saved registers
(4C)	CHARACTER	16	PSWSAVE	Saved associated PSW
(4C)	CHARACTER	4	*	
(50)	CHARACTER	4	PSWSAVE2	Saved PSW address@P4A
(54)	CHARACTER	8	*	
(5C)	BITSTRING	1	ABEND FLAGS	Abend flags #1
()	1	•	ASRA	'ASRA' abend
	.1		ASRB	'ASRB' abend
	1		AICA	'AICA' abend
	1		ASRD	'ASRD' abend
	1		ASRE	'ASRE' abend
	111		*	Reserved
(5D)	BITSTRING	1	*	
()	1		PROG CHK	Premature termination
	.1		REMOTE_ABEND	DPL remote abend
	1		SUBSPACE_ACT	subspace or base?@L4A
	1 1111		*	Reserved
(5E)	CHARACTER	2	*	Alignment
The	e following fields are u	sed by DFH	XRXDF	
(60)	ADDRESS	4	XRF_DUXW	Addr. DUXW plist
(64)	ADDRESS	4	XRF_PTR	Parameter address
(68)	CHARACTER	4	ABEND_SYSID	SYSID from which the remote DPL abend was received
TRACE	TABLE VALUES US	ED IN DFH	TRXDF	
(6C)	ADDRESS	4	COPY TAB PTR	ADDR OF COPY TABLE
(70)	FULLWORD	4	COPY_TAB_LEN	ACTUAL LENGTH
(74)	UNSIGNED	1	TRACE_FLAGS	
,	1		NEW_TAB_WRAP	WRAPPED YET FLAG
	.1		ANY_RELEVANT	ANY RELEVANT YET
	11 1111		*	
(75)	CHARACTER	3	*	
USED	FOR THE MAPPING	OF THE E	NTRIES FROM ORIGINAL TABLE	
(78)	ADDRESS	4	NEW_TAB_PTR	PTR TO CURRENT BLOCK IN NEW
(7C)	ADDRESS	4	NEW_TAB_BASE	PTR TO BASE OF NEW TABLE
(80)	FULLWORD	4	NEW_TAB_SIZE	ACTUAL LEN NEW TAB ROUNDED
(84)	ADDRESS	4	NEW_END_PTR	PTR TO FIRST BYTE PAST TABLE
(88)	CHARACTER	4	*	reserved

The following block contains the data areas which are associatd with the dump dataset DCB. It is allocated when the dataset is opened, and freed when either an explicit close is issued or the end of the current dataset is reached, and autoswitching is not enabled. The address of this block is in the dump domain anchor block.

The elements which are contained in this block are as follows:- ECB to be used with all $\ensuremath{\mathsf{I/O}}$

- DCB for the dump dataset
- Write list expansion used with all MVS macros against the
- I/O buffer
 - THE BLOCK RESIDES BELOW THE 16M LINE

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	40	OPEN_BLOCK	
(0)	UNSIGNED	2	LEN	Total length of block
(2)	CHARACTER	6	OB_CON1	'>DFHDU'
(8)	CHARACTER	8	OB_CON2	'OPENBLOK'
(10)	ADDRESS	4	POINT_PTR	Used with NOTE/POINT
(14)	ADDRESS	4	DSET_TRLR_PTR	Addr. dataset trailer recd.
(18)	ADDRESS	4	ECB_PTR	-> ECB
(1C)	ADDRESS	4	OB_DCB_PTR	-> DCB
(20)	ADDRESS	4	WL_PTR	-> Remote parm list
(24)	ADDRESS	4	BSAM_RSA_PTR	-> RSA below 16M
(28)	CHARACTER		DATA_START	Dummy

ECB

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	ECB	
(0)	BITSTRING	1	CON1	X'00'
(1)	BITSTRING	3	CON1A	X'00'
(4)	BITSTRING	1	CON2	X'00'
(5)	BITSTRING	1	CON3	X'20'
(6)	UNSIGNED	2	DCECBIOL	Length
(8)	ADDRESS	4	DCDCB	-> DCB
(C)	ADDRESS	4	DCECBIOA	-> Buffer
(10)	UNSIGNED	4	CON4	X'00'

Remote parameter list

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	WL	
(0)	CHARACTER	1	RES1	Option byte
(1)	ADDRESS	3	WL_DCB_PTR	-> DCB

Save area for BSAM calls (NOTE, POINT, WRITE, CHECK)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	72	BSAM_SAVE_AREA	
(0)	ADDRESS	4	* (18)	Save area

Constants

Len 0	Type BIT	Value 1	Name SWITCH IN PROG YES	Description			
0	BIT	0	SWITCH_IN_PROG_NO				
Mear	nings of XD_ FLAGS.DI	JXD_ACTIVE					
0	BIT	1	DUXD_ACTIVE_YES				
0	BIT	0	DUXD_ACTIVE_NO				
Mear	Meanings of XD_ FLAGS.XDUCLSE_ ACTIVE						
0	BIT	1	XDUCLSE_ACTIVE_YES				
0	BIT	0	XDUCLSE_ACTIVE_NO				
Mear	nings of XD_ FLAGS.XI	DUOUT_ ACTIVE					
0	BIT	1	XDUOUT_ACTIVE_YES				
0	BIT	0	XDUOUT_ACTIVE_NO				
Mear	nings of XD_ FLAGS.XI	DUREQ_ ACTIVE					
0	BIT	1	XDUREQ_ACTIVE_YES				
0	BIT	0	XDUREQ_ACTIVE_NO				
Mear	nings of XD_ FLAGS.O	PEN_STATUS					
0	BIT	1	XD_OPEN				
0	BIT	0	XD_CLOSED				
0	BIT	0	DUMP_TRACE_TRAN				
0	BIT	1	DUMP_TRACE_ALL				
Ger	neral Constants						
0	BIT	1	YES				
0	BIT	0	NO				
The	following values are p	assed to XDUOUT, as the first par	m				
1	HEX	00	XDUOUT_XD_ACT				
1	HEX	04	XDUOUT_XD_RESTART				
1	HEX	08	XDUOUT_XD_ABTERM				
1	HEX	0C	XDUOUT_XD_INACT				
Blo	ck names for above.						
8	CHARACTER	SDTBLOCK	SDTBLOCK_NAME				
8	CHARACTER	TDTBLOCK	TDTBLOCK_NAME				
8	CHARACTER	BTTBLOCK	BTTBLOCK_NAME				
8	CHARACTER	FTBLOCK	FTBLOCK_NAME				
2	CHARACTER	RE	FT_REGISTERED				
2	CHARACTER	DE	FT_DEREGISTERED				
Cons	stants for DTE_ DUMPS	SCOPE					

Len 1	Type DECIMAL	Value 1	Name DTE_LOCAL	Description					
	Dump local address space								
1	DECIMAL	2	DTE_RELATED						
Mis	cellaneous constants.								
1	CHARACTER	>	ARROW						
4	DECIMAL	16	BDY16						
4 1	HEX DECIMAL	FFFFFFF0	BDY16ROUND						
-		2	MAX_DUXWREC_COUNT						
	es of quickcell blocks								
4 4	DECIMAL DECIMAL	4096	DTEBLOCK_SIZE	Size of dump table block Size of browse table block					
4	DECIMAL	512 4096	BTEBLOCK_SIZE FTE_BLOCK_SIZE	Size of FT table block					
Size	of buffer for Dump co								
4	DECIMAL	1024	STATS_BUFFER_SIZE	Size of stats buffer					
	p dataset record id's.	1024	OTATO_BOTT ERC_012E	Size of state burier					
			DUID DUMP LIEADED						
4 4	DECIMAL DECIMAL	1 2	DUID_DUMP_HEADER DUID_DUA						
	mp record names.								
		DUA	DUNIM DUA						
8	CHARACTER	DUA	DUNM_DUA						
DU	DM trace point ids								
2	HEX	0001	TPID_DUDM_ENTER						
2	HEX HEX	0002 0003	TPID_DUDM_EXIT TPID_DUDM_INVALID						
2	HEX	0003	TPID_DUDM_RECOV						
2	HEX	0007	TPID_DUDM_LOADFAIL						
2	HEX HEX	0008 0009	TPID_DUDM_ GMAIN_DUA TPID_DUDM_						
2	TILX	0009	GMAIN_DUA_RET						
2	HEX	000A	TPID_DUDM_ GMAIN_SDT						
2	HEX	000B	TPID_DUDM_ GMAIN_SDT_RET						
2	HEX	000C	TPID_DUDM_ GMAIN_TDT						
2	HEX	000D	TPID_DUDM_						
2	HEX	000E	GMAIN_TDT_RET						
2	TILX	OOOL	TPID_DUDM_ GMAIN_STATS_BUF						
2	HEX	000F	TPID_DUDM_	*					
			GMAIN_STATS_BUF_ RET						
DUD	U trace point ids								
2	HEX	0101	TPID_DUDU_ENTER						
2	HEX HEX	0102 0103	TPID_DUDU_EXIT TPID_DUDU_INVALID						
2	HEX	0104	TPID_DUDU_RECOV						
2	HEX	0105	TPID_DUDU_						
			DUMP_TABLE_NOT_ INIT						
	SR trace point ids								
2	HEX	0301	TPID_DUSR_ENTER						
2	HEX HEX	0302 0304	TPID_DUSR_EXIT TPID_DUSR_RECOV						
2	HEX	0305	TPID_DUSR_						
			DFHDUMPX_ADD_FAILED						
DU	DT trace point ids								
2	HEX	0500	TPID_DUDT_ENTER						
2	HEX	0501	TPID_DUDT_EXIT TPID_DUDT_RECOV						
2	HEX HEX	0502 0503	TPID_DUDT_ TPID_DUDT_						
			INVAL_FORMAT						
2	HEX	0504	TPID_DUDT_ INVAL_DT_FUNCTION						
2	HEX	0505	TPID_DUDT_						
			INVAL_ST_FUNCTION						
DU	TM trace point ids								
2	HEX	0600	TPID_DUTM_ENTER						
2	HEX	0601	TPID_DUTM_EXIT						
2	HEX	0602	TPID_DUTM_RECOV						
2	HEX	0603	TPID_DUTM_ INVAL_FORMAT						
2	HEX	0604	TPID_DUTM_						
0	HEY	0005	INVAL_TM_FUNCTION						
2	HEX	0605	TPID_DUTM_ INVAL_ST_FUNCTION						
2	HEX	0606	TPID_DUTM_						
0	HEV	0007	INVAL_GETN_BT						
2	HEX	0607	TPID_DUTM_ INVAL_ENDBR_BT						
			,						

	_		
Len	Type	Value 0608	Name Description TPID_DUTM_
2	HEX	0000	INVALID_ST_TYPE
2	HEX	0609	TPID_DUTM_ GMAIN_BTT
2	HEX	060A	TPID_DUTM_
	1151/	0000	GMAIN_BTT_RET
2 2	HEX HEX	060B 060C	TPID_DUTM_ GMAIN_SDT TPID_DUTM_
2	TIEX	0000	GMAIN_SDT_RET
2	HEX	060D	TPID_DUTM_ GMAIN_TDT
2	HEX	060E	TPID_DUTM_
0	HEV	0005	GMAIN_TDT_RET
2 2	HEX HEX	060F 0610	TPID_DUTM_ BTT_NOSTOR TPID_DUTM_SDT_NOSTOR
2	HEX	0611	TPID_DUTM_ TDT_NOSTOR
DU	IO trace point ids		
2	HEX	0200	DUIO_ENTRY
2	HEX	0201	DUIO_EXIT
2	HEX	0202	DUIO_RECOVERY
2	HEX	0203	DUIO_DOPEN
2	HEX	0204	DUIO_DOPEN_RET
2 2	HEX HEX	0205 0206	DUIO_DEVTYPE DUIO_DEVTYPE_RET
2	HEX	0207	DUIO_GMAIN
2	HEX	0208	DUIO_GMAIN_RET
2	HEX	0209	DUIO_FRMAIN
2 2	HEX HEX	020A 020B	DUIO_FRMAIN_RET DUIO_CLOSED
2	HEX	020B 020C	DUIO_CLOSED DUIO_CLOSED_RET
2	HEX	020D	DUIO_FRPOOL
2	HEX	020E	DUIO_FRPOOL_RET
2	HEX	020F	DUIO_DWRITE
2 2	HEX HEX	0210 0211	DUIO_DWRITE_RET DUIO_CHK
2	HEX	0212	DUIO_CHK_RET
2	HEX	0214	DUIO_DCB_ABEND
2	HEX	0239	DUIO_NOTE
2	HEX HEX	0240 0241	DUIO_NOTERET DUIO_POINT
2	HEX	0241	DUIO_POINTRET
	SU trace point ids	-	
2	HEX	0215	DUCH ENTRY
2	HEX	0215 0216	DUSU_ENTRY DUSU_EXIT
2	HEX	0217	DUSU_RECOVERY
2	HEX	0250	DUSU_DYNALLOC_ ENTER
2	HEX HEX	0251	DUSU_DYNALLOC_ RETURN
2	HEX	0252 0253	DUSU_FRMAIN DUSU_FRMAIN_RET
DU	XD trace point ids		
2	HEX	0218	DUXD_ENTRY
2	HEX	0219	DUXD EXIT
2	HEX	021A	DUXD_RECOVERY
DU	XW trace point ids		
2	HEX	021B	DUXW_ENTRY
2	HEX	021C	DUXW_EXIT
2	HEX	021D	DUXW_RECOVERY
		formatter trace point ids	
2	HEX	021E	DLXDF_ENTRY
2 2	HEX HEX	021F 0220	DLXDF_EXIT DLXDF_RECOVERY
2	HEX	0220	XRXDF_RECOVERY XRXDF ENTRY
2	HEX	0222	XRXDF_EXIT
2	HEX	0223	XRXDF_RECOVERY
2 2	HEX HEX	0224	TCXDF_ENTRY TCXDF_EXIT
2	HEX	0225 0226	TCXDF_EXIT TCXDF_RECOVERY
2	HEX	0227	PCXDF_ENTRY
2	HEX	0228	PCXDF_EXIT
2 2	HEX HEX	0229	PCXDF_RECOVERY
2	HEX	022A 022B	SAXDF_ENTRY SAXDF_EXIT
2	HEX	022C	SAXDF_RECOVERY
2	HEX	022D	FCXDF_ENTRY
2 2	HEX HEX	022E	FCXDF_EXIT
2	HEX	022F 0230	FCXDF_RECOVERY TRXDF_ENTRY
2	HEX	0231	TRXDF_EXIT
2	HEX	0232	TRXDF_RECOVERY
2 2	HEX HEX	0233 0234	XDXDF_ENTRY XDXDF_EXIT
2	HEX	0234	XDXDF_RECOVERY
2	HEX	0236	SMXDF_ENTRY
2	HEX	0237	SMXDF_EXIT

Len 2	Type HEX	Value 0238	Name SMXDF_RECOVERY	Description			
DF	DFHDUSVC dump authorized routines trace point ids						
2 2	HEX HEX	0710 0711	DUSVC_REMOTE_SDUMP DUSVC_INVALID_ PROBDESC	DUSVC_INVALID_			
DF	HDUMPX SDUMP	exit trace point ids					
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	HEX	0720 0721 0722 0723 0724 1F01 1F02 1F03 1F10 1F11 1FE1	DUMPX_ENTRY_ID DUMPX_EXIT_ID DUMPX_WLM_CALL DUMPX_WLM_ERROR DUMPX_WLM_RET TPID_DUFT_ENTER TPID_DUFT_EXIT TPID_DUFT_EXIT TPID_DUFT_GMAIN_FT TPID_DUFT_ GMAIN_FT TPID_DUFT_ FT_NOSTOR				
0	BIT	0	AUTOSWITCH_OFF				
0 0	BIT BIT	1 0	GL_SYS_SUP_ON GL_SYS_SUP_OFF				
	O buffer area length		02_0.0_00.				
4	DECIMAL	4096	MAXBUFF	Max buffer length			
SP	ACING values used	in conjunction with transa	action dump rcds.	-			
1	DECIMAL	8	SPACE3				
1	DECIMAL DECIMAL	4 0	SPACE2 SPACE1				
- Ma	ssages		SFACET				
4	DECIMAL	1	DU ABEND MSG	DFHDU001			
4	DECIMAL	2	DU ERROR MSG	DFHDU002			
4	DECIMAL	4	DU LOOP MSG	DFHDU004			
4	DECIMAL	102	DUIO_LOAD_ERROR				
4	DECIMAL	302	MSG302				
4	DECIMAL	303	DUSU_MSG#2	DFHDU303			
4	DECIMAL	304	DUSU_MSG#1	DFHDU304			
4	DECIMAL	305	DUSU_MSG#3	DFHDU305			
4	DECIMAL	306	MSG306	DFHDU306			
4	DECIMAL	307	MSG307	DFHDU307			

Dump domain authorised parameter block **DUAFB**

The Dump Authorized Facility Parameter Block. This is used to pass parameters to the Dump SVC routine DFHDUSVC, and return responses to the caller.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	76	DAFPB	
(0)	CHARACTER	16	DAFPB PREFIX	
(0)	UNSIGNED	2	DAFPB LENGTH	control block length
(2)	CHARACTER	1	DAFPB ARROW	>
(3)	CHARACTER	3	DAFPB DFH	DFH
(6)	CHARACTER	2	DAFPB_DOMAIN	DU
(8)	CHARACTER	8	DAFPB_BLOCK_ID	DAFPB
(10)	CHARACTER	60	DAFPB_DATA	
(10)	UNSIGNED	2	DAFPB_FUNCTION	required auth. function
(12)	UNSIGNED	2	DAFPB_RESPONSE	return code from DFHDUSVC
(14)	FULLWORD	4	DAFPB_SDUMPX_ RESPONSE	
			KESI SINSE	MVS return code from SDUMPX
(18)	ADDRESS	4	DAFPB SYMREC PTR	pointer to symptom record
(1C)	FULLWORD	4	DAFPB SYMREC LEN	length of symptom record
(20)	CHARACTER	8	DAFPB DUMPCODE	dump code
(28)	CHARACTER	9	DAFPB DUMPID	dump identifier
(31)	CHARACTER	3	*	reserved
(34)	BITSTRING	4	*	reserved
(38)	ADDRESS	4	DAFPB_REMOTE_ MSG_PTR	
				address of remote message
(3C)	FULLWORD	4	DAFPB_CSVDYNEX_ RETURN_CODE	Ç
				MVS return code from CSVDYNEX
(40)	FULLWORD	4	DAFPB_CSVDYNEX_ REASON	
				MVS reason code from CSVDYNEX
(44)	FULLWORD	4	DAFPB_IWMWQWRK_ RETURN_CODE	
				MVS return code from IWMWQWRK
(48)	FULLWORD	4	DAFPB_IWMWQWRK_ REASON	
				MVS reason code from IWMWQWRK
(4C)	CHARACTER		DAFPB_END	

Constants

Len	Туре	Value	Name	Description
2	DECIMAL	1	DAFPB_TAKE_SDUMPX	
2	DECIMAL	2	DAFPB_TAKE_ RELATED SDUMPX	
2	DECIMAL	3	DAFPB_CSVDYNEX_ ADD_DFHDUMPX	

Len	Туре	Value	Name	Description
-				
The v	alid responses fr	rom the Dump SVC routine	passed in the	
	B" field "dafpb_ r		, , , , , , , , , , , , , , , , , , , ,	
The r	esponses curren	tly produced are:		
ok				
	peration was exe	ecuted successfully.		
	pported	,		
The f	unction code sup	plied is not valid.		
getmai	n_failed			
		or SP 253 storage failed.		
festae_				
		ot be established.		
	thorized			
	authorization ched	ck failed.		
	x_failed	t failed to complete the dun	on The MVC response	
		d in "dafpb_ sdumpx_respo		
	ex failed	a iii daipb_ sddiiipx_respo	1156 .	
		est failed. The MVS return	code and reason are	
		dynex return code" and	code and reason are	
	_ csvdynex_reaso			
	wrk_ failed			
The I	WMWQWRK req	uest failed. The MVS return	n code and reason are	
returne	ed in "dafpb_ iwm	wqwrk_ return_code" and		
"dafpb_	_ iwmwqwrk_reas	son".		
	npx_ not_found			
		DUMPX was not found in the	ne LPA.	
	_ probdesc			
The S	SDUMPX PROBE	DESC data is invalid.		
2	DECIMAL	0	DAFPB_OK	
2	DECIMAL	1	DAFPB_NOT_ SUP	PORTED
2	DECIMAL	2	DAFPB_GETMAIN_	FAILED
2	DECIMAL	3	DAFPB_FESTAE_ F	
2	DECIMAL	4	DAFPB_NOT_ AUTI	HORIZED

2	DECIMAL	0	DAFPB_OK
2	DECIMAL	1	DAFPB_NOT_ SUPPORTED
2	DECIMAL	2	DAFPB_GETMAIN_ FAILED
2	DECIMAL	3	DAFPB_FESTAE_ FAILED
2	DECIMAL	4	DAFPB_NOT_ AUTHORIZED
2	DECIMAL	5	DAFPB_SDUMPX_ FAILED
2	DECIMAL	6	DAFPB_CSVDYNEX_ FAILED
2	DECIMAL	7	DAFPB_IWMWQWRK_
			FAILED
2	DECIMAL	8	DAFPB_DFHDUMPX_
			NOT_FOUND
2	DECIMAL	9	DAFPB_INVALID_
			PROBDESC

DUGS Dump domain global statistics

CONTROL BLOCK NAME = DFHTDGDS DESCRIPTIVE NAME = CICS Dump Domain Global Statistics (Transaction dumps) FUNCTION = A record containing Dump Domain Global Statistics This DSECT describes the global tranaction dump statistics produced by the Dump Domain. A single instance of the data is produced by the Dump Domain. Additional copies may be created by the statistics domain, statistics utility programs or user programs.

The data consists of a header plus a block of statistics for the Dump domain. LIFETIME = Created when the Dump Domain is initialised and exists for the lifetime of the domain manager. STORAGE CLASS = varies LOCATION = User is passed a pointer to the storage INNER CONTROL BLOCKS = None NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = In Dump Domain GLOBAL VARIABLES (Macro pass) = None

Offset Hex (0)	Туре	Len	Name (Dim) DFHTDGDS	Description Transaction Dump Global Stats
(0)	FULLWORD	4	(0)	Reserved
(0)	HALFWORD	2	TDGLEN	Length of data area
	.1.1 .111		TDGIDE	"87" Global system dump stats id mask
(2)	ADDRESS	2	TDGID	Dump Domain global stats id
. ,	1		TDGVERS	"X'01" Stats version number mask
(4)	CHARACTER	1	TDGDVERS	Dump domain global stats version
(5)	CHARACTER	3		Reserved
(8)	FULLWORD	4	TRANS_DUMP_TAKEN	No. of transaction dumps taken
(C)	FULLWORD	4	TRANS DUMP SUPP	No. of transaction dumps supprsd
. ,	1		TDGEND	H±H
	1		TDGCLEN	"*-DFHTDGDS" Length of DSECT

DUTD Dump domain transaction dump statistics

CONTROL BLOCK NAME = DFHTDRDS DESCRIPTIVE NAME = CICS Dump Domain Transaction Dump Stats FUNCTION = A record containing Dump Domain Transaction Dump Stats (By dumpcode) This DSECT describes the statistics produced by the Dump Domain for each transaction dumpcode. There will be one instance of the data for each dumpcode for which statistics were requested. The data consists of a header plus a block of statistics for the Dump domain. LIFETIME = Created when the Dump Domain is initialised and exists for the lifetime of the Dump Domain. STORAGE CLASS = LOCATION = User is passed a pointer to the storage INNER CONTROL BLOCKS = None NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = In Dump Domain GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTDRDS	Dump domain transaction dump stats
(0)	FULLWORD	4	(0)	Fullword allignment
(0)	HALFWORD	2	TDRLEN	Length of data area
	.1.1 .1.1		TDRIDE	"85" Transaction dump stats id mask
(2)	ADDRESS	2	TDRID	transaction dump stats id
	1		TDRVERS	"X'01" DSECT version number
(4)	CHARACTER	1	TDRDVERS	Domain data format version number
(5)	CHARACTER	3		Filler
(8)	CHARACTER	4	TDRCODE	Dumpcode
(C)	FULLWORD	4	TDRSTKN	# of system dumps taken
(10)	FULLWORD	4	TDRSSUPR	# of system dumps suppressed
(14)	FULLWORD	4	TDRTTKN	# of transaction dumps taken
(18)	FULLWORD	4	TDRTSUPR	# of transaction dumps suppressed
	1 11		TDREND	H+H
	1 11		TDRCLEN	"*-TDRLEN" Length

DWE Deferred work element

CONTROL BLOCK NAME = DFHDWEDS
DESCRIPTIVE NAME = CICS Deferred Work Element.
DEFERRED WORK ELEMENT

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHDWEDS	DUMMY SECTION-DEFRD.WORK ELEM.
(0)	HALFWORD	2	DWELENG	Length of this DWE
(2)	CHARACTER	4	DWEEYECA	Eyecatcher set to '>DWE'
(6)	CHARACTER	1		Reserved
(7)	BITSTRING	1	DWESMF	Storage Management Flag
. ,	1		DWESMFNT	"X'80 ¹ " Non task related storage
	1		DWESHUNT	"X'20" Retain DWE if in-doubt
(8)	ADDRESS	4	DWECHAN	ADDRESS OF NEXT DWE IN CHAIN
(C)	ADDRESS	4	DWESVMNA	Service module self defining entry point address
(10)	BITSTRING	1	DWESTAT	D W E STATUS INDICATOR
` '	1		DWEPHS2	"X'20"DWE APPLIES TO PHASE 2 OF SYNC POINT
	1		DWEDYNB	"X'08"BEING DYNAMICALLY BACKED OUT
	1		DWEVTYES	"X'04"VOTE 'YES' TO PREPARE
	1.		DWECNLM	"X'02""CANCELLED MASK
	1		DWEVTNO	"X'01"'VOTE NO TO PREPARE'
(11)	BITSTRING	1	DWEMODFN	SERVICE MODULE FUNCTION CODE
	DEFI		RIATE CODES ARE SEPARATE DSECT MIDS	
(12)	BITSTRING	1	DWESVMID	SERVICE MODULE IDENTIFIER
	DEFI		RIATE CODES ARE SEPARATE DSECT MIDS	
(13)	BITSTRING	1	(5)	Reserved
(18)	ADDRESS	4	DWELXDA	EXTERNAL DATA ADDRESS
(1C)	ADDRESS	4	DWECMNEA (0)	END OF COMMON AREA
, ,	1 11		DWEEXT	"*" DWE extensions
	1 .1		DWEAD	"*-DFHDWEDS-8" ABSOLUTE DISPLACEMENT (GETMAIN) I.E. THE ABOVE IS DWE LEN
	SYSTEM SPOOLIN	G DWE EX	TENSION	
(1C)	HALFWORD	2	DWEPSRNM	REPORT-NUMBER
(1E)	CHARACTER	1	DWEPSRCV	RECOVERY CODE
(1F)	CHARACTER	1	DWEPSSTT	REPORT STATUS
(20)	CHARACTER	8	DWEPSTOK	REPORT TOKEN
	1		DWEPSAD	"*-DFHDWEDS-8" PS DWE GETMAIN SIZE
	GENERAL PURPOSI	SUBTASK	ING DWE EXTENSION	
(1C)	ADDRESS	4	DWESKWQE	ADDRESS OF WQE TO ADD TOFREE QUEUE
	1 1		DWESKAD	"*-DFHDWEDS-8" SK DWE GETMAIN SIZE

DXPS XRF/DBCTL DGB extension

CONTROL BLOCK NAME = DFHDXPS DESCRIPTIVE NAME = CICS XRF/DBCTL DGB Extension FUNCTION = DGBDXPS defines fields used by DBCTL/XRF which require a longer lifetime than CICS life can offer. LIFETIME = Created at the same time as the DGB, and never deleted. LOCATION = CSA->OPFL->DLP->DGB->DXPS INNER CONTROL BLOCKS = None NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition Contained in PL/AS Copy Book DFHDXMAC Invoke by DFHDXPS no operands
EXTERNAL REFERENCES = None
DATA AREAS = Refers to DFHDBWMS, DX_Q_ELEMENT GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	36	DFHDXPS	
(0)	ADDRESS	4	DXLSTMSG	Pointer to last DBCTL/XRF message
(4)	ADDRESS	4	DXSQHDR	Pointer to chain of MVS subtasks
(8)	ADDRESS	4	DXAXIBA	DFHAXI base address
(C)	ADDRESS	4	DXAXIGP	Pointer to current AXI group recd
(10)	ADDRESS	4	DXAXIPT	Pointer to current AXI record
(14)	ADDRESS	4	DXRTRCNT	Number of retry connect attempts
(18)	CHARACTER	4	DXDBCID	SSID of first connect attempt
(1C)	BITSTRING	4	DXFLGS1	Miscellaneous flags
	1		AXI_LOADED	Reminder that AXI is to be del
	.1		DBCTL_RST	Indicator that no DBCTL in RSE act
	1		DFS690SW	Indicator that DFS690 issued
	1		*	Reserved
	1		RETCODE8	Code 8 returned by previous call
	1		DXEREFLG	Flag to indicate wait on DXEREECB
	11		*	Filler for remainder of byte
(20)	BITSTRING	4	DXEREECB	ECB cleared while ERE issued
(20)	BITSTRING	1	*	Reserved
(21)	BITSTRING	1	DXERECMP	ERE completion code Copy DXPS dsect

DXQEL XRF/DBCTL subtask storage

CONTROL BLOCK NAME = DX_Q_ELEMENT
DESCRIPTIVE NAME = CICS XRF/DBCTL subtask storage
FUNCTION = Defines the fields in an XRF/DBCTL subtask queue element Storage obtained by GETMAIN LOCATION = CSA->OPFL->DLP->DGB->DXPS->DX_Q_ELEMENT INNER CONTROL BLOCKS = None NOTES : DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition Contained in PL/AS Copy Book DFHDXMAC Invoke by DX_Q_ELE no operands EXTERNAL REFERENCES = None DATA AREAS = None GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DX_Q_ELEMENT	Queue of XRF/DBCTL subtasks
(0)	ADDRESS	4	DX_NEXT_Q	Address of next Q element
(4)	CHARACTER	8	DX_CB_ID	DX control block id
(C)	ADDRESS	4	DX_TCB	Ptr to TCB of attached subtask
(10)	BITSTRING	4	DX_FLGS1	DX flag bit settings
	1		DX_LOCK	Lock on this Q element storage
	.1		DETACHED	Use this bit to remember detach
(14)	BITSTRING	4	DX_EOT_ECB	End Of Task ECB for attached subtask
	1		*	Reserved
	.1		POSTED	Post bit within ECB
	11 1111		*	Reserved
(15)	BITSTRING	3	DX_CC	Subtask completion code
(18)	ADDRESS	4	DX_EP_ADDR	Entry Point for attached subtask
(1C)	FULLWORD	4	DX_PARM_LEN	Parameter length for attached stask
(20)	CHARACTER	*	DX_PARMS	Parameters passed to attached

DXUEP Cics-dbctl XRF user exit parameter list

```
CONTROL BLOCK NAME = DFHDXUEP
DESCRIPTIVE NAME = CICS/MVS XRF support of DBCTL
FUNCTION =
Defines the parameter list passed to the Global User Exits
XXDFA,XXDFB, and XXDTO.
This control block is built by programs DFHDBCT and DFHDBCR
when a user decision is required on whether to perform an XRF
takeover after a DBCTL failure, or a DBCTL takeover after a
CICS failure.
LIFETIME =
    This control block is created in the life of DFHDBCT or
    DFHDBCR to communicate with XXDFA,XXDFB or XXDTO the
    control block is completely reinitialized every time one
    of these exits is invoked.
STORAGE CLASS =
   LIFO
LOCATION =
INNER CONTROL BLOCKS =
NOTES :
 DEPENDENCIES = S/370
 RESTRICTIONS =
     None
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
    Identify referenced items defined outside this control
    block. Such external references should be avoided.
  DATA AREAS =
    None
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHDXUEP	
(0)	CHARACTER	4	UEPDXADB	SSID of old active IMS
(4)	CHARACTER	4	UEPDXBDB	SSID of proposed alternate
(8)	CHARACTER	8	UEPDXSAD	CICS specific applid
(10)	CHARACTER	8	UEPDXRSE	IMS RSE name
(18)	CHARACTER	4	UEPDXCTM	IMS connect time
(1C)	CHARACTER	4	UEPDXDTM	IMS disconnect/abend time
(20)	CHARACTER	8	UEPDXJNM	Jes Jobname of old active IMS
(28)	CHARACTER	8	UEPDXJID	Jes Jobid of old active IMS
(30)	BITSTRING	1	UEPDXIRT	IMS region type
	1		DXHOTSBY	"X'01" region type is hot standby
	1.		DXDBDC	"X'02" region type is IMS DB/DC
	1		DXDBCTL	"X'04'" region type is DBCTL
(31)	CHARACTER	4	UEPDXSMF	SMFID of active CEC
(35)	CHARACTER	4	UEPDXJES	Jes SSID of active CEC
(3A)	HALFWORD	2	UEPDXASD	ASID of old active IMS
(3C)	FULLWORD	4	UEPDXRTC	Return code from XXDFA (XXDFB only)
(40)	FULLWORD	4	UEPDXATC (0)	Action code from XXDFA (XXDFB only)
(40)	BITSTRING	1	DXMVSID	Active IMS had SSID in AXI RSE
(41)	BITSTRING	1	DXAPPLID	Active CICS has Applid in AXI RSE
(42)	BITSTRING	1	DXEQJES	Active CICS on same JES as IMS
(43)	BITSTRING	1	DXALTFND	Alternate IMS fnd in active CEC
(44)	BITSTRING	1	DXCMDISS	Restart issued in active CEC
(45)	BITSTRING	1	UEPDXSND	MVS System Indicator
	1		DXXCFA	"X'80"XCF services available
(46)	CHARACTER	8	UEPDXSPX	XCF sysplex name for active
(4E)	CHARACTER	8	UEPDXSNM	MVS system name for active
(56)	CHARACTER	4	UEPDXSTK	MVS System token for active

D2GDS Cics/db2 global statistics

```
CONTROL BLOCK NAME = DFHD2GDS
DESCRIPTIVE NAME = CICS DB2 Global statistics
FUNCTION =
    This dsect describes the CICS/DB2 statistics provided by
    the CICS/DB2 Attachment facility.
    A single record will be built to respond to a request for
    DB2CONN statistics.
LIFETIME =
    The statistics record is created when a global statistics
    request is received. Storage for the data block is released
    when the user task is detached.
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
    block.
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
 MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from CICS/DB2 Attachment Facility.
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHD2GDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHD2GDS	CICS/DB2 Global statistics
(0)	FULLWORD	4	(0)	fullword alignment
(0)	HALFWORD	2	D2GLEN	Length of data area
	.1111.		D2GIDE	"0102"CICS/DB2 global stats id mask
(2)	ADDRESS	2	D2GID	CICS/DB2 global stats id
	1		D2GVERS	"X'01" Stats version number id mask
(4)	CHARACTER	1	D2GDVERS	Stats version number
(5)	CHARACTER	3		Filler
(8)	FULLWORD	4	D2G_GLOBAL_STATS (0)	global stats
(8)	CHARACTER	8	D2G_DB2CONN_NAME	name of the DB2CONN
(10)	CHARACTER	4	D2G_DB2_ID	DB2 sysid
(14)	CHARACTER	4	D2G_DB2_RELEASE	release of DB2
(18)	CHARACTER	8	D2G_CONNECT_	
			TIME_GMT	connect time (CMT)
(20)	CHARACTER	8	DOC CONNECT	connect time (GMT)
(20)	CHARACTER	ō	D2G_CONNECT_ TIME_LOCAL	
			TIME_LOCAL	connect time (local)
(28)	CHARACTER	8	D2G DISCONNECT	connect time (local)
(20)	OHARAOTER	O	TIME_GMT	
			TIME_GWIT	disconnect time (GMT)
(30)	CHARACTER	8	D2G DISCONNECT	disserificat time (GWT)
()			TIME LOCAL	
				discconnect time (local)
(38)	FULLWORD	4	D2G_TCB_LIMIT	max number of TCBs
(3C)	FULLWORD	4	D2G_TCB_CURRENT	current number of TCBs
(40)	FULLWORD	4	D2G_TCB_HWM	HWM of TCBs
(44)	FULLWORD	4	D2G_TCB_FREE	current number of free TCBs
(48)	FULLWORD	4	D2G_TCB_	
			READYQ_CURRENT	
				number of tasks on TCB readyq
(4C)	FULLWORD	4	D2G_TCB_ READYQ_HWM	peak number of tasks on TCB readyq
(50)	CHARACTER	40	DOC DOC! OTATO (8)	reserved
(78)	FULLWORD	4	D2G_POOL_STATS (0)	pool statistics
(78)	CHARACTER	8 8	D2G_POOL_ PLAN_NAME	static plan name if any
(80)	CHARACTER	8	D2G_POOL_	
			PLANEXIT_NAME	planexit name if any
(88)	CHARACTER	8	D2G_POOL_AUTHID	static authid if any
(90)	BITSTRING	1	D2G_POOL_AUTHTYPE	authtype if any
(91)	BITSTRING	1	D2G_POOL_ACTION TEC	autitype it arry
(31)	DITOTICINO	'	DZG_I GGE_ AGGGGIVINEG	Accountrec setting
(92)	BITSTRING	1	D2G_POOL_ THREADWAIT	7 toodanii oo ootiing
(02)	Biroriano		DZO_I OOL_ IIIILADWAII	Threadwait setting
(93)	BITSTRING	1	D2G POOL PRIORITY	thread priority
(94)	FULLWORD	4	D2G_POOL_CALLS	number of calls using pool
(98)	FULLWORD	4	D2G_POOL_SIGNONS	number of signons
(9C)	FULLWORD	4	D2G POOL COMMITS	number of commits
(A0)	FULLWORD	4	D2G_POOL_ABORTS	number of aborts
` '			_	

Offset	Туре	Len	Name (Dim)	Description			
Hex	FULLWORD	4	D2G_POOL_				
(A4)	FOLLWORD	4	SINGLE_PHASE	number of single phase commits			
(A8)	FULLWORD	4	D2G_POOL_	number of single phase commits			
(-/			THREAD_REUSE				
				number of thread reuses			
(AC)	FULLWORD	4	D2G_POOL_				
			THREAD_TERM	number of thread terminates			
(B0)	FULLWORD	4	D2G_POOL_	number of threat terminates			
(20)	. 02202	•	THREAD_WAITS				
				number of thread waits			
(B4)	FULLWORD	4	D2G_POOL_ THREAD_LIMIT	and the same and the same			
(B8)	FULLWORD	4	D2G_POOL_	maximum number of threads			
(20)	. 02202	•	THREAD_CURRENT				
				current number of threads			
(BC)	FULLWORD	4	D2G_POOL_ THREAD_HWM	neal number of three de			
(C0)	FULLWORD	4	D2G_POOL_	peak number of threads			
(00)	. 02202		TASK_CURRENT				
				current number of tasks			
(C4)	FULLWORD	4	D2G_POOL_ TASK_HWM	peak number of tasks			
(C8)	FULLWORD	4	D2G_POOL_ TASK_TOTAL	total number of tasks			
(CC)	FULLWORD	4	D2G_POOL_	total number of table			
` ,			READYQ_CURRENT				
(= -)		_		number of tasks on ready queue			
(D0)	FULLWORD	4	D2G_POOL_ READYQ_HWM	peak number of tasks on ready queue			
(D4)	CHARACTER	28		reserved			
(F0)	FULLWORD	4	D2G_COMMAND_ STATS (0)	DSNC command statistics			
(F0)	CHARACTER	8	D2G_COMD_AUTHID	static authid if any			
(F8)	BITSTRING	1	D2G_COMD_ AUTHTYPE	authtype if any			
(F9) (FC)	CHARACTER FULLWORD	3 4	D2G_COMD_CALLS	reserved number of dsnc comd calls			
(100)	FULLWORD	4	D2G_COMD_SIGNONS	number of signons			
(104)	FULLWORD	4	D2G_COMD_	•			
			THREAD_TERM				
(108)	FULLWORD	4	D2G_COMD_	number of thread terminates			
(100)	TOLLWOND	-	THREAD_OVERF				
			_	number of overflows to pool			
(10C)	FULLWORD	4	D2G_COMD_				
			THREAD_LIMIT	maximum number of threads			
(110)	FULLWORD	4	D2G_COMD_	maximum number of uneads			
, ,			THREAD_CURRENT				
(444)	FULLWORD	4	DOC COMP	current number of threads			
(114)	FULLWORD	4	D2G_COMD_ THREAD_HWM				
				peak number of threads			
(118)	CHARACTER	36		reserved			
(118)			D2G_END	## DOOL FAIR and the of deced			
(118)			D2G_LENGTH	"*-D2GLEN"Length of dsect			
Equates	to test D2G_POOL_	AUTHTYPE a	and D2G_COMD_AUTHTYPE				
			D2G_AUTHTYPE_NA	"0" Not applicable			
	1		D2G_AUTHTYPE_ USERID	"1" Authtype(userid)			
	1.		D2G_AUTHTYPE_ OPID	"2" Authtype(opid)			
	11		D2G_AUTHTYPE_ GROUP	"3" Authtype(group)			
	1		D2G_AUTHTYPE_ SIGNID				
	1.1		D2G_AUTHTYPE_ TERM	"4" Authtype(signid) "5" Authtype(term)			
	11.		D2G_AUTHTYPE_ TXID	"6" Authtype(txid)			
Faustes	to test D2G POOL	ACCOLINTRE					
Lquates		ACCOUNTIL					
	1		D2G_ACCOUNTREC_ NONE	"1" Accountrec(none)			
	1.		D2G_ACCOUNTREC_ TXID	· · · - · · · · · · · · · · · /			
				"2" Accountrec(txid)			
	11		D2G_ACCOUNTREC_ TASK	"2" Accountrac(tack)			
	1		D2G_ACCOUNTREC_ UOW	"3" Accountrec(task) "4" Accountrec(uow)			
Faustos		THREAD\\\/\\					
Lquates	Equates to test D2G_POOL_THREADWAIT						
	1		D2G_THREADWAIT_ YES D2G_THREADWAIT_ NO	"1" Threadwait(yes) "2" Threadwait(no)			
		DDIODITY	220_1111E/15WAIT_110	ous.main(no)			
Equates	to test D2G_POOL_	PKIUKI I Y					
	1		D2G_PRIORITY_ HIGH	"1" Priority(high)			
	1.		D2G_PRIORITY_ EQUAL D2G_PRIORITY_LOW	"2" Priority(equal) "3" Priority(low)			
			===::::::::::::::::::::::::::::::::::::	A/A::/			

Cics/db2 resource statistics D2RDS

```
CONTROL BLOCK NAME = DFHD2RDS
DESCRIPTIVE NAME = CICS DB2 Resource statistics
FUNCTION =
    This dsect describes the CICS/DB2 statistics provided by
    the CICS/DB2 Attachment facility.
    A single record will be built to respond to a request for
    DB2ENTRY statistics.
LIFETIME =
    The statistics record is created when a resource statistics
    request is received. Storage for the data block is released
    when the user task is detached.
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
    block.
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from CICS/DB2 Attachment Facility
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHD2RDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHD2RDS	CICS/DB2 Resource statistics
(0)	FULLWORD	4	(0)	fullword alignment
(0)	HALFWORD	2	D2RLEN	Length of data area
(0)	.11111	-	D2RIDE	"0103"CICS/DB2 resource stats id mask
(2)	ADDRESS	2	D2RID D2RID	CICS/DB2 resource stats id
(2)	1	2	D2RVERS	"X'01"Stats version number id mask
(4)	CHARACTER	1	D2RVERS	Stats version number
(5)	CHARACTER	3	DZNOVENS	Filler
(8)	CHARACTER	8	D2R DB2ENTRY NAME	name of the DB2ENTRY
(10)	CHARACTER	8	D2R PLAN NAME	static plan name if any
(10)	CHARACTER	8	D2R PLANEXIT NAME	planexit name if any
(20)	CHARACTER	8		static authid if any
	BITSTRING	1	D2R_AUTHID	
(28)		1	D2R_AUTHTYPE	authtype if any
(29)	BITSTRING		D2R_ACCOUNTREC	Accountrec setting
(2A)	BITSTRING	1	D2R_THREADWAIT	Threadwait setting
(2B)	BITSTRING	1	D2R_PRIORITY	thread priority
(2C)	FULLWORD	4	D2R_CALLS	number of calls using db2entry
(30)	FULLWORD	4	D2R_SIGNONS	number of signons
(34)	FULLWORD	4	D2R_COMMITS	number of commits
(38)	FULLWORD	4	D2R_ABORTS	number of aborts
(3C)	FULLWORD	4	D2R_SINGLE_PHASE	number of single phase commits
(40)	FULLWORD	4	D2R_THREAD_REUSE	number of thread reuses
(44)	FULLWORD	4	D2R_THREAD_TERM	number of thread terminates
(48)	FULLWORD	4	D2R_THREAD_	
			WAIT_OR_OVERFL	
				number of thread waits or overflows
(4C)	FULLWORD	4	D2R_THREAD_LIMIT	maximum number of threads
(50)	FULLWORD	4	D2R_THREAD_ CURRENT	current number of threads
(54)	FULLWORD	4	D2R_THREAD_HWM	peak number of threads
(58)	FULLWORD	4	D2R_PTHREAD_ LIMIT	maximum number of protected threads
(5C)	FULLWORD	4	D2R_PTHREAD_ CURRENT	
				current number of protected threads
(60)	FULLWORD	4	D2R_PTHREAD_HWM	peak number of protected threads
(64)	FULLWORD	4	D2R_TASK_CURRENT	current number of tasks
(68)	FULLWORD	4	D2R_TASK_HWM	peak number of tasks
(6C)	FULLWORD	4	D2R_TASK_TOTAL	total number of tasks
(70)	FULLWORD	4	D2R_READYQ_ CURRENT	number of tasks on ready queue
(74)	FULLWORD	4	D2R_READYQ_HWM	peak number of tasks on ready queue
(78)	CHARACTER	36		reserved
	11 11		D2R_END	H±H
	11 11		D2R_LENGTH	"*-D2RLEN"Length of dsect
Equates	to test D2R_AUTHTYP	E		
			D2R_AUTHTYPE_NA	"0" Not applicable
	1		D2R_AUTHTYPE_ USERID	
			. –	"1" Authtype(userid)
	1.		D2R_AUTHTYPE_ OPID	"2" Authtype(opid)
	11		D2R_AUTHTYPE_ GROUP	"3" Authtype(group)
	1		D2R_AUTHTYPE_ SIGNID	VI (V I/
				"4" Authtype(signid)
				· · · ·

Offset Hex	Туре	Len	Name (Dim)	Description
	1.1		D2R_AUTHTYPE_ TERM	"5" Authtype(term)
	11.		D2R_AUTHTYPE_ TXID	"6" Authtype(txid)
Equates	to test D2R_ACCOU	NTREC		
	1		D2R_ACCOUNTREC_ NONE	
				"1" Accountrec(none)
	1.		D2R_ACCOUNTREC_ TXID	
	11		DOD ACCOUNTDED TACK	"2" Accountrec(txid)
	11		D2R_ACCOUNTREC_ TASK	"3" Accountrec(task)
	1		D2R_ACCOUNTREC_ UOW	"4" Accountrec(uow)
Equates	to test D2R_THREAD	WAIT		
	1		D2R_THREADWAIT_ YES	"1" Threadwait(yes)
	1.		D2R_THREADWAIT_ NO	"2" Threadwait(no)
	11		D2R_THREADWAIT_ POOL	
				"3" Threadwait(pool)
Equates	to test D2R_PRIORIT	Υ		
	1		D2R_PRIORITY_ HIGH	"1" Priority(high)
	1.		D2R_PRIORITY_ EQUAL	"2" Priority(equal)
	11		D2R_PRIORITY_LOW	"3" Priority(low)

ECA Event control area

CONTROL BLOCK NAME = DFHECAPS DESCRIPTIVE NAME = CICS Event Control Area FUNCTION = The Event Control Area is used by interval control (DFHICP). The ECA is obtained for a POST type ICE. It contains the ECB. The ECA's are getmained from a subpool called APECA which resides below the line and has USER access. The ICETECAA field will contain the address of the ECA associated with an ICE. If there is no ECA for the ICE then ICETECAA is zero. Inline DFHSMGFI calls are made to get and free ECAs. LIFETIME = The control block is created with a POST type ICE. The ECA is freed when the assoiated ICE is freed. STORAGE CLASS = The storage class is APECA. LOCATION = To locate an ECA use the ICETECAA field which contains the address of the ECA associated with the ICE. If the ICETECAA field equals zero then there is no ECA. INNER CONTROL BLOCKS = none NOTES: DEPENDENCIES = none RESTRICTIONS = MODULE TYPE = Control block definition EXTERNAL REFERENCES = none DATA AREAS = none

CONTROL BLOCKS = none

GLOBAL VARIABLES (Macro pass) = none

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	DFHECAPS	
(0)	UNSIGNED	4	FCATECB	Event Control Area

Constants

Len	Type	Value	Name	Description
4	DECIMAL	4	ECA_LENGTH	Length ECA
4	HEX	40008000	ECA POSTBIT	Post bits

EDF communication area **EDF**

CONTROL BLOCK NAME = DFHEDFDS DESCRIPTIVE NAME = CICS EDF Debug Linkage Area FUNCTION = This DSECT describes the user task data that is used by EDF to display the status information, etc. It is obtained in DFHEDFX for each EDF call. It is then filled with data describing the user transaction state. It is passed to the EDF task as an ATTACH parm, and is used by the attached EDF task. The storage is freed in DFHEDFX when the user task is resumed.

(0) FULLWORD 4 E0PUEIA TOTTE EXEC INTERFACE ADDR (4) FULLWORD 4 E0PUEIA ADDRESS OF USER'S TCA (8) FULLWORD 4 E0PUEISP ADDRESS OF USER'S TCA (9) FULLWORD 4 E0PUEISP ADDRESS OF USER'S EIS (10) FULLWORD 4 E0PUEISP ADDRESS OF USER'S EIS (11) FULLWORD 1 E0PCHIBP ADDRESS OF USER'S EIS EDF TASK MANAGEMENT INFO (11) FULLWORD 1 E0PCHINK "XFF" COEP ATTACHED TO START CEDF DEBUG MODE INFO (11) FULLWORD 1 E0PCHINK "XFF" COEP ATTACHED TO START CEDF DEBUG MODE INFO (15) BITSTRING 1 E0PCHI COPY OF EISEDFAM REQUEST BYE INFO (16) BITSTRING 1 E0PCHI COPY OF EISEDFAM REQUEST BYE INFO (17) BITSTRING 1 E0PCHI COPY OF EISEDFAM REQUEST BYE INFO (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM REQUEST BYE INFO (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR PAGE BUILD (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR PAGE BUILD (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR BUILD (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR BUILD (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR BUILD (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR BUILD (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR BUILD (18) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR BUILD (19) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR BUILD (10) E0PCHI COPY OF EISEDFAM FOR BUILD (11) E0PCHI COPY OF EISEDFAM FOR BUILD (12) E0PCHI COPY OF EISEDFAM FOR BUILD (13) BITSTRING 1 E0PCHI COPY OF EISEDFAM FOR BUILD (14) E0PCHI COPY OF EISEDFAM FOR BUILD (15) E0PCHI COPY OF EISEDFAM FOR BUILD (16) E0PCHI COPY OF EISEDFAM FOR BUILD (17) E0PCHI COPY OF EISEDFAM FOR BUILD (18) E0PCHI COPY OF EISEDFAM FOR BUILD (18) E0PCHI COPY OF EISEDFAM FOR BUILD (19) E0PCHI COPY OF EISEDFAM FOR BUILD (10) E0PCHI COPY OF EISEDFAM FOR BUILD (10) E0PCHI COPY OF EISEDFAM FOR BUILD (10) E0PCHI COPY OF EISEDFAM FOR BUILD (11) E0PCHI COPY OF EISEDFAM FOR BUILD (12) E0PCHI COPY OF EISEDFAM FOR BUILD (13) BITSTRING (14) E0PCHI COPY OF EISEDFAM FOR BUILD (15) E0PCHI COPY OF EISEDFAM FOR BUILD (16) E0PCHI COPY OF	Offset Hex	Туре	Len	Name (Dim)	Description
O FULLWORD 4 EOPUECA EOPUECA ADDRESS OF USER'S TCA ADDRESS OF USER'S TCA ADDRESS OF USER'S TCA ADDRESS OF USER'S TCA ADDRESS OF USER'S EIS ADDRESS OF USER'S ADDRESS OF USER'S ADDRESS ADDRESS OF USER'S ADDR	(0)			DFHEDFDS	
(a) FULLWORD 4 EDFURT ADDRESS OF USERY STCA (B) FULLWORD 4 EDFURT ADDRESS OF USERY SIRS (C) FULLWORD 4 EDFURIP ADDRESS OF USERY SIRS (T) FULLWORD 4 EDFURIP ADDRESS OF USERY SIRS (T) FULLWORD 4 EDFURIP ADDRESS OF USERY SIRS (T) FULLWORD 1 EDFOAM TASK SWITCH ATTRIBUTE (T) FULLWORD 1 EDFOAM TASK SWITCH ATTRIBUTE (T) FULLWORD 1 EDFOAM TASK SWITCH ATTRIBUTE EDF TASK MANAGEMENT INFO (T) BITSTRING 1 EDFOTL1 COPY OF EISEDFOM REQUEST SITY INFO (T) BITSTRING 1 EDFOTL2 COPY OF EISEDFOM REQUEST SITY INFO (T) BITSTRING 1 EDFOTL3 EDFOAM SITY OF EISEDFOR EDFOAM SITY INFO (T) BITSTRING 1 EDFOTL3 EDFOAM SITY OF EISEDFOR EDFOAM SITY INFO (T) BITSTRING 1 EDFOTL3 EDFOAM SITY OF EISEDFOR EDFOAM SITY INFO (T) BITSTRING 1 EDFOTL3 EDFOAM SITY OF EISEDFOR EDFOAM SITY INFO (T) L		FULLWORD	4	EDFUEIA	TCTTE EXEC INTERFACE ADDR
(B) FULLWORD 4 EDFUEIS ADDRESS OF USER PARM LIST (C) FULLWORD 4 EDFUEISP ADDRESS OF USER'S EIS EDF TASK MANAGEMENT INFO (THE POLLWORD 4 EDFUEISP ADDRESS OF USER'S EIS EDF TASK MANAGEMENT INFO (THE POLLWORD 1 EDFXA TASK SWITCH ATTRIBUTE (THE POLLWORD 2 EDFXA TASK SWITCH ATTRIBUTE (THE POLLWORD 2 EDFXA TASK SWITCH ATTRIBUTE (THE POLLWORD 3 EDFX SWITCH TASK SWITCH ATTRIBUTE (THE POLLWORD 4 EDFUAST (THE POLLWORD 4 EDFXA TASK SWITCH ATTRIBUTE (THE POLLWORD 5 EDFX SWITCH ATTR			4		
C FULLWORD					
(10) FULLWORD 4 EDFUEIBP ADDRESS OF USERS EIB EDF TASK MANAGEMENT INFO 1111 IIII EDFXA TASK SWITCH ATTRIBUTE 1111 IIII IIII EDFXA TASK SWITCH ATTRIBUTE 1111 IIII IIII EDFXA TASK SWITCH ATTRIBUTE 1111 IIII IIII IIII IIII IIII IIII II					
1111 1111					
1111 111. EDFSITT "XFE" CEDF ATTACHED TO START CEDF DEBUG MODE INFO (16) BITSTRING 1 EDFCTL2 COPY OF EISEDFMR REQUEST BYTE INFO (17) BITSTRING 1 EDFCTL3 EDF CONTROL BITS	(14)		1		
(15) BITSTRING 1 EDFCTL1 COPY OF EISEDFEM REQUEST BYTE INPO (16) BITSTRING 1 EDFCTL3 EDFCONTROL INFO (17) BITSTRING 1 EDFCTL3 EDFCONTROL INFO (18) BITSTRING 1 EDFOUTD "X80" DISP-QUIT FOR PAGE BUILD (1					
	(15)	BITSTRING	1	EDFCTL1	COPY OF EISEDFDM REQUEST BYTE INFO
1	(16)	BITSTRING	1	EDFCTL2	COPY OF EISEDFRB EDF CONTROL INFO
1.1	(17)	BITSTRING	1	EDFCTL3	EDF CONTROL BITS
1.1		1		EDFOUTD	"X'80" DISP=OUT FOR PAGE BUILD
		.1			
1 EDFUTPG "X10" USER TASK HAS BEEN PURGED		1			
1					
1.					
(18) BITSTRING 1 EDFCTL4 USER LANGUAGE INFO (19) BITSTRING 1 EDFTOS BIT PATTERN—OUT OF SERVICE					
BITSTRING	(40)				
1					
(1A) BITSTRING 1 EDFUTRTO Terminal read time out value (1B) CHARACTER 1 EDFOPSYS OPERATING SYS FROM CSAOPSYS (1C) FULLWORD 4 EDFUASTG ADDRESS OF USER'S AUTO STG (20) FULLWORD 4 EDFUCDB USER'S RETURN REGISTER (24) FULLWORD 4 EDFUCDB USER'S CODE BASE (28) CHARACTER 8 EDFPGMID USER'S PROGRAM NAME (30) BITSTRING 1 EDFENW Current Environment 1 EDFURM "X80" URM (31) BITSTRING 2 Reserved FILE CONTROL INFO (33) BITSTRING 1 EDFFCF FILE CONTROL RECORD FORMAT 1 EDFFCF "X80" FC FIXED FORMAT 1 EDFFCF "X80" FC ACCESS METHOD—BDAM EDFFCF "X40" FC ACCESS METHOD—BDAM EDFYSAM "X10" FC ACCESS METHOD—BDAM EDFYSAM	(19)		1		
(1B) CHARACTER 1 EDFOPSYS OPERATING SYS FROM CSAOPSYS (1C) FULLWORD 4 EDFURE ADDRESS OF USER'S AUTO STG (20) FULLWORD 4 EDFURE USER'S CODE BASE (24) FULLWORD 4 EDFUCDB USER'S CODE BASE (28) CHARACTER 8 EDFPGMID USER'S POGRAM NAME (30) BITSTRING 1 EDFENV Current Environment 1 EDFURM "X80" URM (31) BITSTRING 1 EDFFCRF FILE CONTROL RECORD FORMAT 1 EDFFCRF FILE CONTROL RECORD FORMAT 1 EDFFCCF "X80" FC FIXED FORMAT 1 EDFFCV "X40" FC VARYING FORMAT 1 EDFFECV "X40" FC VARYING FORMAT 1 EDFFSDAM "X10" FC ACCESS METHOD=BDAM 1 EDFFSDAM "X10" FC ACCESS METHOD=BDAM (34) HALFWORD 2 EDFFCRL FILE CONTROL RECORD LENGTH (36) BITSTRING 1 ED					
(1C)		BITSTRING			
C20 FULLWORD	(1B)	CHARACTER	1	EDFOPSYS	OPERATING SYS FROM CSAOPSYS
C24 FULLWORD	(1C)	FULLWORD	4	EDFUASTG	ADDRESS OF USER'S AUTO STG
C28 CHARACTER	(20)	FULLWORD	4	EDFURE	USER'S RETURN REGISTER
Gao	(24)	FULLWORD	4	EDFUCDB	USER'S CODE BASE
Gao	(28)	CHARACTER	8	EDFPGMID	USER'S PROGRAM NAME
1 EDFURM "X'80" URM Reserved FILE CONTROL INFO			1		
(31) BITSTRING 2	()		•		
	(31)		2	22. 0	
1 EDFFCF "X'80" FC FIXED FORMAT 1 EDFFCV "X'40" FC VARYING FORMAT 1 EDFFCV "X'40" FC VARYING FORMAT 1 EDFBDAM "X'20" FC ACCESS METHOD=BDAM "X'10" FC ACCESS METHOD=BDAM "X'10" FC ACCESS METHOD=SAM 1 EDFISAM "X'08" FC ACCESS METHOD=ISAM "X'				EDEECRE	
1	(00)		•		
1 EDFBDAM "X'20" FC ACCESS METHOD=BDAM1 EDFVSAM "X'10" FC ACCESS METHOD=VSAM1 EDFISAM "X'08" FC ACCESS METHOD=ISAM (34) HALFWORD 2 EDFFCRL FILE CONTROL RECORD LENGTH (36) BITSTRING 1 EDFFCKL FILE CONTROL RECORD LENGTH (37) BITSTRING 1 EDFUTCTR User's send/receive flags (38) FULLWORD 4 EDFACP ADDR OF EDF ABEND info (3C) FULLWORD 4 EDFACP ADDR OF EDF ABCODE SLOT (40) FULLWORD 4 EDFURSAP ADDRESS OF USER REGISTERS (48) FULLWORD 4 EDFPUBA PARTITION LOWER BOUND ADDR (4C) FULLWORD 4 EDFPUBA PARTITION LOWER BOUND ADDR (50) FULLWORD 4 EDFUTCTA USER'S TERMID/TRANID (50) FULLWORD 4 EDFUTCTA USER'S TERMID/TRANID (51) FULLWORD 4 EDFUTCTA USER'S TERMID/TRANID (52) FULLWORD 5 EDFOARSA ADDR OF USER REGISTERS (54) CHARACTER 4 EDFUOTID USER'S TERMID/TRANID (55) FULLWORD 5 EDFCALEN USER'S COMMAREA ADDR (56) FULLWORD 4 EDFUARSA ADDR OF USER RSA (5C) HALFWORD 2 EDFCALEN USER'S EIBCALEN (5C) HALFWORD 4 EDFUEIEX COPY OF TCTTEDA AS SET FOR APPLICATION REQUESTS (56) FULLWORD 4 EDFUEIEX COPY OF TCTTEDA AS SET FOR APPLICATION REQUESTS (56) FULLWORD 4 EDFUEIEX COPY OF TCTETELDA ADDR					
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1 EDFISAM "X'08" FC ACCESS METHOD=ISAM (34) HALFWORD 2 EDFFCRL FILE CONTROL RECORD LENGTH (36) BITSTRING 1 EDFFCKL FILE CONTROL KEY LENGTH (37) BITSTRING 1 EDFUTCTR User's send/receive flags (38) FULLWORD 4 EDFABRA ADDRESS of EDF ABEND info (3C) FULLWORD 4 EDFUACP ADDR OF USER ABCODE SLOT (40) FULLWORD 4 EDFUACP ADDR OF EDF ABCODE SLOT (44) FULLWORD 4 EDFLBA PARTITION LOWER BOUND ADDR (44) FULLWORD 4 EDFPUBA PARTITION UPPER BOUND ADDR (4C) FULLWORD 4 EDFPUBA PARTITION UPPER BOUND ADDR (4C) FULLWORD 4 EDFUTCTA USER'S TERMID/TRANID (50) FULLWORD 4 EDFUARSA ADDR OF USER REG (54) CHARACTER 4 EDFUATID USER'S TERMID/TRANID (58) FULLWORD 2 RESERVED (5C) HALFWORD 2 RESERVED (6C) FULLWORD 4 EDFCOMAA USER'S COMMAREA ADDR (64) FULLWORD 4 EDFUEDA COPY OF TCTTEDA AS SET FOR APPLICATION REQUESTS (68) FULLWORD 4 EDFUEIEX COPY OF TCTTEEIX AS SET FOR APPLICATION REQUESTS (66) FULLWORD 4 EDFUEIX PROGRAM LENGTH (70) FULLWORD 4 EDFGMIN PROGRAM LENGTH (71) FULLWORD 4 EDFTSADR TERM. STATUS FIELD ADDR					
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(38) FULLWORD 4 EDFABRA ADDRESS of EDF ABEND info (3C) FULLWORD 4 EDFUACP ADDR OF USER ABCODE SLOT (40) FULLWORD 4 EDFACP ADDR OF EDF ABCODE SLOT (44) FULLWORD 4 EDFURSAP ADDRESS OF USER REGISTERS (48) FULLWORD 4 EDFPLBA PARTITION LOWER BOUND ADDR (4C) FULLWORD 4 EDFPUBA PARTITION UPPER BOUND ADDR (50) FULLWORD 4 EDFUTCTA USER'S TCTTE ADDRESS (54) CHARACTER 4 EDFUGTID USER'S TERMID/TRANID (58) FULLWORD 4 EDFUARSA ADDR OF USER RSA (5C) HALFWORD 2 EDFCALEN USER'S EIBCALEN (5C) HALFWORD 2 EDFCALEN USER'S COMMAREA ADDR (60) FULLWORD 4 EDFUEDA COPY OF TCTTEDA AS SET FOR APPLICATION REQUESTS (68) FULLWORD 4 EDFUEIEX COPY OF TCTEEIEX AS SET FOR APPLICATION REQUESTS (66)			· · · · · · · · · · · · · · · · · · ·		
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(48) FULLWORD 4 EDFPLBA PARTITION LOWER BOUND ADDR (4C) FULLWORD 4 EDFPUBA PARTITION UPPER BOUND ADDR (50) FULLWORD 4 EDFUTCTA USER'S TCTTE ADDRESS (54) CHARACTER 4 EDFUQTID USER'S TERMID/TRANID (58) FULLWORD 4 EDFUARSA ADDR OF USER RSA (5C) HALFWORD 2 RESERVED (6C) HALFWORD 2 EDFCALEN USER'S EIBCALEN (6O) FULLWORD 4 EDFUEDA COPY OF TCTTEDA AS SET FOR APPLICATION REQUESTS (6B) FULLWORD 4 EDFUEIEX COPY OF TCTTEDIX AS SET FOR APPLICATION REQUESTS (6C) FULLWORD 4 EDFUEIEX COPY OF TCTTEDIX AS SET FOR APPLICATION REQUESTS (6C) FULLWORD 4 EDFUEIEX TOPY OF TCTTEDIX AS SET FOR APPLICATION REQUESTS (6C) FULLWORD 4 EDFFGMLN PROGRAM LENGTH (7D) FULLWORD 4 EDFTSADR TERM. STATUS FIELD ADDR	(40)	FULLWORD	4	EDFACP	ADDR OF EDF ABCODE SLOT
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(70) FULLWORD 4 EDFTSADR TERM. STATUS FIELD ADDR					
(74) FULLWORD 4 EDFMSA MODULE START ADDRESS			-		
	(74)	FULLWORD	4	EDFMSA	MODULE START ADDRESS

Offset Hex	Туре	Len	Name (Dim)	Description			
(78)	FULLWORD	4	EDFUR1SA	ADDRESS OF EISEIPR1 (USED AND SET BY DFHEDFCC)			
(7C)	FULLWORD	4	EDFUEILR	COPY OF TCTEEILR AS SET FOR APPLICATION REQUESTS			
(80)	FULLWORD	4		Reserved			
(84)	CHARACTER	4	EDFSYST	sysid from which remote DPL abend was received			
(88)	FULLWORD	4	EDF_USRTASK_ SUSPTOK	•			
` '				User task suspend token			
(8C)	FULLWORD	4	EDFSECCL	Security switch routine			
(90)	ADDRESS	4	EDF APPL	···· , · · · · · ·			
(,			STATIC_STG_PTR				
				User program's static storage			
(94)	ADDRESS	4	EDF APPL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
(-)			STATIC_STG_LEN				
				User's static storage length			
(98)	CHARACTER	8	EDFPSW	PSW			
(A0)	CHARACTER	8	EDFINT	INTERRUPT INFORMATION			
(A8)	CHARACTER	2	EDFUEIDL	COPY OF TCTEEIDL AS SET FOR APPLICATION REQUESTS			
(AA)	BITSTRING	1	EDFUOPT2	SAVE TCTEOPT2			
(AB)	BITSTRING	1	EDFUJSA	Save TCTEJSA			
(AC)	FULLWORD	4	EDFWSLN	LENGTH OF WORKING STORAGE			
(B0)		4	EDFUTXNO	User task's transaction number			
(B4)	FULLWORD	4	EDFERMSA	NEW ERM EDF INTERFACE			
(B8)	FULLWORD	4	EDFSITOD	IPL TIME OF DAY IN SECONDS			
(BC)	CHARACTER	4	EDFUTXID	User's transaction id			
(C0)	BITSTRING	1	EDFCTL5	FLAG BYTE INDICATING NEW ERM IFC			
, ,	1		EDFSTKCM	"X'04" Command from user exit			
(C1)	BITSTRING	1	EDFCTL6	flag byte			
, ,	1		EDFRABND	"X'80" DPL remote abend indicator			
	.1		EDFRPEND	"X'40" User task suspended, pending RESUME			
(C2)	CHARACTER	2		RESERVED FOR FUTURE USE			
(C4)	FULLWORD	4	EDFTCAAD	1st EDF Task's TCA address			
(C8)	FULLWORD	4	(0)				
(C8)	CHARACTER	64	EDFREGS (0)				
(C8)	FULLWORD	4	(16)	GP registers 0-15 at abend			
need of	The DLA_USAGE fields are flags to identify those tasks which have need of the Debug Linkage Area. The DLA can only be freed when all of the tasks have relinquished ownership.						
(108)	CHARACTER	8	EDF_DLA_USAGE (0)	Area controlling DLA			
(108)		4	EDF_DLA_	·			
, ,			USER TASK USE				
				Task running DFHEDFX			
(10C)		4	EDF DLA	•			
\/			CEDF TASK USE				
			=	CEDF running EDFP/EDFD			
(10C)			EDFDSLEN	"*-DFHEDFDS" LENGTH OF DFHEDFDS			
/			-				

EXEC interface block **EIB**

CONTROL BLOCK NAME = DFHEIBLK DESCRIPTIVE NAME = CICS EXEC Interface Block. FUNCTION = EXEC Interface Block.

The exec interface block contains information on the transaction identifier, the time and date, and the cursor position on a display device. Some of the other fields are set indicating the next action that a program should take in certain circumstances.

DFHEIBLK also contains information that will be helpful when a dump is being used to debug a program. This control block is included automatically by an application program using the command-level interface. EISEIBA in the EIS addresses the EIB.

NOTES:

DEPENDENCIES = S/370

MODULE TYPE = Control block definition

EXEC INTERFACE BLOCK

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHEIBLK	EXEC INTERFACE BLOCK
(0)		4	EIBTIME	TIME IN 0HHMMSS FORMAT
(4)		4	EIBDATE	DATE IN OCYYDDD+ FORMAT, where C is the century indicator (0=1900, 1=2000), YY is the
(+)		-	LIDDATE	year, DDD is the day number and '+' is the sign byte (positive)
(8)	CHARACTER	4	EIBTRNID	TRANSACTION IDENTIFIER
(C)	0.0.0.0.12.1	4	EIBTASKN	TASK NUMBER
(10)	CHARACTER	4	EIBTRMID	TERMINAL IDENTIFIER
(14)	HALFWORD	2	EIBRSVD1	RESERVED
(16)	HALFWORD	2	EIBCPOSN	CURSOR POSITION
(18)	HALFWORD	2	EIBCALEN	COMMAREA LENGTH
(1A)	CHARACTER	1	EIBAID	ATTENTION IDENTIFIER
(1B)	CHARACTER	2	EIBFN	FUNCTION CODE
(1D)	CHARACTER	6	EIBRCODE	RESPONSE CODE
(23)	CHARACTER	8	EIBDS	DATASET NAME
(2B)	CHARACTER	8	EIBREQID	REQUEST IDENTIFIER
(33)	CHARACTER	8	EIBRSRCE	RESOURCE NAME
(3B)	CHARACTER	1	EIBSYNC	X'FF' SYNCPOINT REQUESTED
(3C)	CHARACTER	1	EIBFREE	X'FF' FREE REQUESTED
(3D)	CHARACTER	1	EIBRECV	X'FF' RECEIVE REQUIRED
(3E)	CHARACTER	1	EIBSEND	RESERVED
(3F)	CHARACTER	1	EIBATT	X'FF' ATTACH RECEIVED
(40)	CHARACTER	1	EIBEOC	X'FF' EOC RECEIVED
(41)	CHARACTER	1	EIBFMH	X'FF' FMHS RECEIVED
(42)	CHARACTER	1	EIBCOMPL	X'FF' DATA COMPLETE
(43)	CHARACTER	1	EIBSIG	X'FF' SIGNAL RECEIVED
(44)	CHARACTER	1	EIBCONF	X'FF' CONFIRM REQUESTED
(45)	CHARACTER	1	EIBERR	X'FF' ERROR RECEIVED
(46)	CHARACTER	4	EIBERRCD	ERROR CODE RECEIVED
(4A)	CHARACTER	1	EIBSYNRB	X'FF' SYNC ROLLBACK REQ'D
(4B)	CHARACTER	1	EIBNODAT	X'FF' NO APPL DATA RECEIVED
(4C)	FULLWORD	4	EIBRESP	INTERNAL CONDITION NUMBER
(50)	FULLWORD	4	EIBRESP2	MORE DETAILS ON SOME RESPONSES
(54)	CHARACTER	1	EIBRLDBK	ROLLED BACK
	.1.1 .1.1		EIBLENG	"*-EIBTIME" Length of EIB

END OF EXEC INTERFACE BLOCK

EXEC interface communications area **EIC**

CONTROL BLOCK NAME = DFHEICPS
DESCRIPTIVE NAME = CICS EXEC Interface Communications Area.
FUNCTION = This DSECT describes the CLASS=SHARED storage which is used to pass the COMMAREA from one command-level transaction to another using an EXEC CICS RETURN TRANSID(..) COMMAREA(..) LENGTH(..)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	DFHEICDS	
(0)	CHARACTER	16	EIC	
(0)	CHARACTER	16	EICBEG	
(0)	ADDRESS	4	EIC_COMMAREA_ ADDRESS	
				A(EICBDA)
(4)	UNSIGNED	1	EIC_SUBPOOL	COMMAREA SUBPOOL INDICATOR
(5)	UNSIGNED	3	*	RESERVED
(8)	ADDRESS	4	*	RESERVED
(C)	HALFWORD	2	EICLL	COMMAREA LENGTH
(E)	HALFWORD	2	EICBB	RESERVED (MVS)
(10)	CHARACTER		EICDBA	COMMAREA DATA

Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	EIC APCOMM31	APCOMM31 CICS KEY SUBPOOL

EICD1 Language definition table

MODULE NAME = DFHEICD1 COPY
DESCRIPTIVE NAME = CICS language definition (LD) table structure definiton.

This COPY module is edited by the EXEC that compiles PLI programs also requiring the LD table structure definition.

FUNCTION =

Declarations relating to language definition table (LD table). The declarations below define the mapping of the contents of

the language definition table.

The declarations are used by both the translator itself and

the table compilation utility program DFHUTG.

TABROOT is the root of the LD table and gives addressability

to all its components and their sizes.

Offset	Туре	Len	Name (Dim)	Description
Hex	OTPHOTUPE	400	VTARROOT	The following action are in a rise association of (Deinter No. of action)
(0)	STRUCTURE	136	XTABROOT	The following entries are in pairs consisting of (Pointer, No. of entries)
(0)	ADDRESS	4	TABXPTR	Table auties
(4)	FULLWORD	4	NTABS	Table entries
(8)	ADDRESS	4	STTXPTR	Oters dend to the MDDA
(C)	FULLWORD	4	NSTTS	Standard text - VBPA
(10)	ADDRESS	4	CTLXPTR	0
(14)	FULLWORD	4	NCTLS	Controls - VBPA
(18)	ADDRESS	4	KEEXPTR	
(1C)	FULLWORD	4	NKEYS	Keyword information *
(20)	ADDRESS	4	VBPXPTR	
(24)	FULLWORD	4	NVBPS	Verb parms
(28)	ADDRESS	4	KEPXPTR	
(2C)	FULLWORD	4	NKEPS	Keyword parms
(30)	ADDRESS	4	SYNXPTR	
(34)	FULLWORD	4	NSYNS	Syntax tree
(38)	ADDRESS	4	SPAXPTR	
(3C)	FULLWORD	4	TSYNS	Reserved
(40)	ADDRESS	4	NAMXPTR	
(44)	FULLWORD	4	LNAME	Table name
(48)	ADDRESS	4	AIBXPTR	
(4C)	FULLWORD	4	NAIBS	IB format (EIB,DIB) *
(50)	ADDRESS	4	CODXPTR	
(54)	FULLWORD	4	NCODS	Address of code gen *
(58)	ADDRESS	4	BIFXPTR	Address of first BIF *
(5C)	CHARACTER	4	COMPATE	Compatibility flags *
(5C)	CHARACTER		COMPATF0	To suit DFHUAI
	1		COMPNEWF	Extra fields in hdr *
	.1		COMPKPAR	New style kwd parms *
	1		COMPBIF	BIF's present
(5C)	BITSTRING	3	*	Guaranteed zero now *
(60)	ADDRESS	4	*	
(64)	FULLWORD	4	LA0	Length of ARG0 *
(68)	ADDRESS	4	*	Reserved
(6C)	FULLWORD	4	NBYTS	Table End and size *
(70)	ADDRESS	4	KKKXPTR	New style kwd parms * (NKEPS of them)
(74)	ADDRESS	4	*	Reserved *
(78)	ADDRESS	4	*	Reserved *
(7C)	ADDRESS	4	*	Reserved *
(80)	ADDRESS	4	*	Reserved *
(84)	ADDRESS	4	*	Reserved *
(0-1)		-		

Table Entry: Describes the syntax and code generation parameters for one HLPI statement (One VERB/ADVERB combination.)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	TABINFO	
(0)	BITSTRING	1	TABFLAGS	Verb flags
(1)	UNSIGNED	1	TABVB	Index in XKERAY of Verb
(2)	UNSIGNED	1	TABADVB	Index in XKERAY of Adverb
(3)	CHARACTER	3	TABOPND	Syntax of STMT :
(3)	BITSTRING	1	TABOPFLG	See operand
(4)	HALFWORD	2	TABOP	declaration

Offset Hex	Туре	Len	Name (Dim)	Description			
T T	Verb parameters for code generation. E.G. TABPA(1)=Entry name TABPA(2)=Function code See declaration of PARITEM for Verb parameter string						
(6) (8)	UNSIGNED CHARACTER	1	TABPA (2) TABEND	Index in XVBPA			
Offset Hex	Туре	Len	Name (Dim)	Description			
(0)	STRUCTURE 1111 1 111.	1	VBADVIDX SECNDTAB SAMEVERB USEEITBS	must not be affected Indicates indirection Rescan second TAB using same atom Rescan DFHEITBS using same atom Reserved			
T F	Standard text: This is to be included a program by module DF The number of lines of	HEIM10.					

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	71	XSTT1	First standard text line
(0)	CHARACTER	1	*	Filler - Always blank
(1)	CHARACTER	62	STT1	Text to be inserted into program
(3F)	CHARACTER	8	STTC	Language indicators

XKERAY: Table of keyword names and keyword parameters. This array is indexed by terminal nodes in syntax tree.

Offset Hex	Type	Len	Name (Dim)	Description
(0)	STRUCTURE	22	XKERAY (256)	
(0)	CHARACTER	12	KEYWORDA	
(C)	CHARACTER	10	*	Dependant on XKEITEM size *
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	22	XKEITEM	
(0)	CHARACTER	12	KEYWORD	Keyword name
(C)	CHARACTER	1	KEFLG1	Collection of flags
` '	1		KEREPEAT	Keyword may be repeated
	.1		KEARGOM	ARGLIST may be omitted entirely
	1		KEARGSH	ARGLIST may be shortened
	1		KEARGNU	Any ARGS may be null
	1		KEARGFI	First argument mandatory
	1		KEQUIV	KEP(1) gives equivalent text
	1.		KESECND	Second keyword of a double
	1		KETIME	Time type of argument
(D)	CHARACTER	1	KEBITS	Keyword flags
	111		KEPNUM	KEP numeric, not index in XKEPA
	1		KECOMM	Keyword valid for any command
	1		KEDEFT	Keyword is a default
	1		KEARGSYN	Keyword arguments -KEDTYP,KEDTYPL and KEP(1) are a syntax operand
	1.		KERELSYN	Relax syntax constraint *
	1		*	Reserved
(E)	BITSTRING	1	KEFLAGS	Set by flag option on keyword
ir	nput. See overlay below.			
(F)	CHARACTER	1	KETYPE	
	1		KEREF	ARGS all references
	.1		KEID	ARGS all identifiers
	1		KECONST	ARGS constants - Use also KEDTYP
	1 1		KEADIM	Dimensionality (00 means Scalar)
	1		KEUSED	'USES' Context
	1.		KESET	'SETS' Context
	1		KENAME	Add quotes if identifier. Note: KEDTYP may imply more
(10)			KENIADO	many number of agreements *
	UNSIGNED	1	KENARG	max number of arguments *
(11)	UNSIGNED BITSTRING	1 1	KENARG KEDTYP	Data type - KEDTYP=0 means dont care BIT1 Arithmetic BIT2 String BIT1=0 and BIT2=0

Offset Hex	Туре	Len	Name (Dim)	Description
(12)	UNSIGNED	1	KEDTYPL	Length of datatype
(13)	UNSIGNED	1	KEP (3)	KEYQUIVI or code gen parameters * End of KEINFO
(16)	CHARACTER		KEEND	End of KEINFO
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	1	*	
	1 .1		KEHEX KELIST	Display in hexadecimal (EDF) Argument may be a list (MT)
	1		KETUNOFF	T#BITNUM bit to be turned off, not on
	1		KE2BIT	KEP(3) is another bit to be turned on. This bit off means KEP(3) is default arg text.
	1		KEINQO	Only valid with inquire (MT)
	1		KESETO	Only valid with set (MT)
	1.		KEARGMAN KEDUMMY	Mandatory argument Dummy keyword
			KEBOWWI	Duning Reyword
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	XKEITEM1	Overlay of XKEITEM
(0)	CHARACTER	12	KEYWORD1	Keyword name
(C)	BITSTRING	4	KEFLGS	Keyword flags
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	100	PARITEM	
(0)	UNSIGNED CHARACTER	1	PALEN PARM	Length of PARM, excl this byte Text of PARM
(1)	CHARACTER	99	PAKIVI	I EXT OF PARIM

This section describes the structure of BIF entries defined Because they are variable size they are chained together via the BIFNEXT field. The anchor of the chain is BIFXPTR in the header to this table.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	17021	BIFENTRY	
(0)	CHARACTER	12	BIFNAME	'DFHDATASET', etc.
(C)	BITSTRING	1	BIFFLAGS	Reserved *
(D)	ADDRESS	4	BIFNEXT	0 for last in chain *
(11)	FULLWORD	4	BIFNEQUS	Number of CVDA'S
(15)	CHARACTER	17	BIFEQUSA (1000)	ACTUALLY BIFNEQUS XTENT *
(15)	CHARACTER	12	BIFARG	'ENABLED', etc.
(21)	FULLWORD	4	BIFCVDA	128,129, etc.
(25)	BITSTRING	1	BIFCVDFL	Reserved *

XSYNTAX: Format of each node in the XSYNTAX structure is given by the SY structure below.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	7	SY	A node in the syntax tree
(0)	CHARACTER	1	OPCODE	' ' (Or) 'J' (Join) 'R' (Repeat) - Unary OP
(1)	CHARACTER	3	OPERAND1	First arm of the node
(1)	CHARACTER	1	OP1FLG	OPERAND1 Flags
. ,	1		OP1SYNI	OPERAND1 is offset in XSYNTAX
	.1		OP1KE	OPERAND1 is index in XKERAY
	1		OP1NULL	OPERAND1 is null
	1		OP1OPL	OPERAND1 is optional
	1		OP1PAREN	OPERAND1 is parenthesized
	111		*	Reserved
(2)	HALFWORD	2	OP1	Operand 1
(4)	CHARACTER	3	OPERAND2	Secodn arm of the node
(4)	CHARACTER	1	OP2FLG	OPERAND2 flags
	1		OP2SYNI	OPERAND2 is offset in XSYNTAX
	.1		OP2KE	OPERAND2 is index in XKERAY
	1		OP2NULL	OPERAND2 is null
	1		OP2OPL	OPERAND2 is optional
	1		OP2PAREN	OPERAND2 is parenthesized
	111		*	RESERVED

Offset	Туре	Len	Name (Dim)	Description		
Hex (5)	HALFWORD	2	OP2	Operand 2		
Offset Hex	Туре	Len	Name (Dim)	Description		
(0)	STRUCTURE	7	SY1	Overlay of SY		
(0)	CHARACTER	1	OPCODE1	See OPCODE		
(1)	BITSTRING	1	OP1FLAGS	See OP1FLG		
(2)	HALFWORD	2	OP11	See OP1		
(4)	BITSTRING	1	OP2FLAGS	See OP2FLG		
(5)	HALFWORD	2	OP21	See OP2		
Offset Hex	Туре	Len	Name (Dim)	Description		
(0)	STRUCTURE	3	OPERAND	General purpose operand, i.e. overlays OPERAND1 or OPERAND2		
(0)	CHARACTER	1	OPFLG	Operand flags		
(-)	1	•	OPSYNI	OP is an index into the syntax tree *		
	.1		OPKE	OP is an index into the keywords array *		
	1		OPNULL	Indicates a null operand		
	1		OPOPL	Indicates an optional operand		
	1		OPPAREN	Indicates a parenthesized operand		
	111		*	Filler - See OPERAND1 or OPERAND2		
(1)	HALFWORD	2	OP	An index		
Offset	Туре	Len	Name (Dim)	Description		
Hex	OTRIJOTURE	4.0	VOOLIDOOT			
(0)	STRUCTURE	16	XCOMROOT			
(0)	ADDRESS	4	COMXPTR	O company de		
(4)	FULLWORD	4	NUMCMDS	Commands		
(8)	ADDRESS	4	KEYXPTR			
(C)	FULLWORD	4	NUMKYS	arguments/keywords		
Offset	Typo	Len	Name (Dim)	Description		
Hex	Туре	Len	Haille (Dilli)	Description		
(0)	STRUCTURE	6	COMINFO			
(0)	CHARACTER	2	COMFN	Function code		
(2)	UNSIGNED	1	COMARGOLN	Length of arg0 - may be 0		
(3)	UNSIGNED	1	COMKEYS	Number of keywords		
(4)	HALFWORD	2	COMIND	index of first		
(6)	CHARACTER	4	COMEND	HIGGA OF HIGH		
(0)	CHARACTER		COMEND			
	Table Entry: Describes one command for ICCFCTAB					

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	52	DTCINFO	
(0)	CHARACTER	24	DTCARG0	Arg0
(18)	HALFWORD	2	DTCKEYS	Number of keywords
(1A)	HALFWORD	2	DTCIND	index of first
(1C)	CHARACTER	12	DTCVERB	
(28)	CHARACTER	12	DTCADVB	
(34)	CHARACTER		DTCEND	
0#	T	1	Name (Disc)	Description
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	15	KEYITEM	
(0)	UNSIGNED	1	KEYCODE	Type of keyword - see the code
(1)	UNSIGNED	1	KEYBIT1	bit to test
(2)	UNSIGNED	1	KEYBIT2	bit to test
(3)	UNSIGNED	1	KEYARG	argument number
(4)	UNSIGNED	1	KEYARGL	Length of datatype
(5)	BITSTRING	1	KEYDTYP	Data type - KEYDTYP=0 means dont care BIT1 Arithmetic BIT2 String BIT1=0 and BIT2=0
(0)	2	•		Other BIT3 0-Binary 1-Decimal BIT3 0-Bit 1-Char BIT4 0-Fixed 1-Float
(6)	CHARACTER	9	KEYEND1	End of KEYITEM for DFHEITTR
(F)	CHARACTER	-	KEYEND2	End of KEYITEM for DFHEITT1
()				
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	KEYITEMO	
(0)	FULLWORD	4	KEYARGO	Arg offset

Offset	Туре	Len	Name (Dim)	Description
(4) (8) (C)	FULLWORD BITSTRING CHARACTER	4 4	KEYWORDO KEYBITM KEYENDO	Word offset Bit mask End of KEYITEM for DFHEITHG
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE			
	STRUCTURE	24	KEYDTC	
(0)	HALFWORD	24 2	KEYNUMD	Number
(0) (2)				Number data
	HALFWORD	2	KEYNUMD	
(2)	HALFWORD CHARACTER	2 22	KEYNUMD KEYSAVED	

Constants

Len	Туре	Value	Name	Description
1	DECIMAL	255	STOPPER	

EIPDS Command level interface dsects

CONTROL BLOCK NAME = DFHEIPDS DESCRIPTIVE NAME = CICS COMMAND LEVEL INTERFACE DSECTS FUNCTION = This copybook contains the DSECTs used by all of the separate parts of the EXEC interface. These are the DSECTs used by all of the separate parts of the EXEC interface.

Len Name (Dim)

REGISTER SAVE AREA DSECT FOR COBOL HANDLE

Handle condition and handle aid label table DSECTs.

Hex				
(0)			EIL	HANDLE CONDITION LABEL TABLE
(0)	ADDRESS	4	EILBEG (0)	A(1ST LABEL ENTRY IN TABLE)
(0)	ADDRESS	4	EILFCHNP	A(next free label table)
(4)	HALFWORD	2	EILLEN	LENGTH OF LABEL TABLE
(6)	BITSTRING	1	EILINDEX	INDEX TO LABEL ENTRIES
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			EILLAB	LABEL ENTRY
(0)	BITSTRING	1	EILLAB1F	FLAG BYTE 1
(-)	1111 1111		EILL1ON	"X'FF'" ON
	1		EILL1SA	"X'80"" SYSTEM ACTION
	.1		EILL1IG	"X'40'" IGNORE
(1)	BITSTRING	1	EILLAB2F	FLAG BYTE 2
. ,	1		EILL2COB	"EISCOBOL" COBOL PROGRAM
	1.		EILL2PLI	"EISPLI" PLI PROGRAM
	1		EILL2ASM	"EISASM" ASSEMBLER PROGRAM
(2)	BITSTRING	1	EILLABPM	PROGRAM MASK FOR MVS/811
(3)	BITSTRING	1	EIL_CONDITION_ EXECKEY	
				Instantaneous execution key when Handle_Condition_Label executed first 4 bits only
(4)	FULLWORD	4	EILLAB1	4 BYTES FOR ASM,COBOL,RPG
(8)	FULLWORD	4	EILLAB2	8 BYTES FOR PL/I
	11		EILLLEN	"*-EILLAB" TABLE ENTRY LENGTH

Description

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			EIR	COBOL HANDLE CONDITION RSA
(0)	ADDRESS	4	EIRBEG (0)	START OF DATA
(0)	CHARACTER	60	EIR14	REGS 14 THRU 12
(3C)	ADDRESS	4	EIR13	REG 13
(40)	BITSTRING	1	EIREND (0)	

Offset

Type

This DSECT describes the storage which is used to pass the COMMAREA from one command-level transaction to another using an EXEC CICS RETURN TRANSID(..) COMMAREA(..) LENGTH(..)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHEICDS	COMMAREA STORAGE DSECT
(0)	BITSTRING	1	EIC (0)	
(0)	BITSTRING	1	EICBEG (0)	START OF DATA
(0)	FULLWORD	4	EIC_COMMAREA_ ADDRESS	
				A(EICBDA)
(4)	BITSTRING	1	EIC_SUBPOOL	COMMAREA SUBPOOL FLAG
	1		EIC_APCOMM31	"1" APCOMM31 CICS KEY SUBPOOL
(5)	BITSTRING	3		RESERVED
(8)	FULLWORD	4		RESERVED
(C)	HALFWORD	2	EICLL	COMMAREA LENGTH
(E)	HALFWORD	2	EICBB	RESERVED (MVS)
(10)	BITSTRING	1	EICDBA (0)	COMMAREA DATA

Data interchange DSECT used to pass information from user to DIP in the format required by DIP

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			EII	DATA INTERCHANGE DSECT
(0)	FULLWORD	4	(2)	STORAGE ACCOUNTING
(8)	BITSTRING	1	EIIBEG (0)	START OF DATA
(8)	BITSTRING	1	EIIDESL	DESTIDLENG
(9)	CHARACTER	8	EIIDES	DESTID
(11)	BITSTRING	1	EIIVOLL	VOLUMELENG
(12)	CHARACTER	6	EIIVOL	VOLUME
(18)	BITSTRING	1	EIIKEYL	KEYLENGTH
(19)	CHARACTER	64	EIIKEY	RIDFLD
(59)	BITSTRING	1	EIIEND (0)	

Arg list DSECT overlays the argument list from the application

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			EIA	EXEC ARGUMENT LIST DSECT
(0)	ADDRESS	4	EIAARG0	ARGUMENT 0
(4)	ADDRESS	4	EIAARG1	1
(8)	ADDRESS	4	EIAARG2	2
(C)	ADDRESS	4	EIAARG3	3
(10)	ADDRESS	4	EIAARG4	4
(14)	ADDRESS	4	EIAARG5	5
(18)	ADDRESS	4	EIAARG6	6
(1C)	ADDRESS	4	EIAARG7	7
(20)	ADDRESS	4	EIAARG8	8
(24)	ADDRESS	4	EIAARG9	9
(28)	ADDRESS	4	EIAARG10	10
(2C)	ADDRESS	4	EIAARG11	11
(30)	ADDRESS	4	EIAARG12	12
(34)	ADDRESS	4	EIAARG13	13
(38)	ADDRESS	4	EIAARG14	14
(3C)	ADDRESS	4	EIAARG15	15
(40)	ADDRESS	4	EIAARG16	16

DSECT representing items pushed by EXEC CICS PUSH Chain of these is anchored at EISPUSTK

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			EIU	, STACK FOR EXEC CICS PUSH
(0)	ADDRESS	4	EIUCHAIN	CHAIN TO PREVIOUS EIU
(4)	FULLWORD	4	EIUERTAB	STACKED EISERTAB
(8)	FULLWORD	4	EIUKYTAB	STACKED EISKYTAB

Offset Hex	Туре	Len	Name (Dim)	Description
(C)	FULLWORD	4	EIUSXRSA	STACKED EISSXRSA
(10)	FULLWORD	4	EIUSXD	STACKED EISSXD
(14)	FULLWORD	4	EIUSXDI	STACKED EISSXDI
(18)	FULLWORD	4	EIUPCXRA	STACKED TCAPCXRA
(1C)	BITSTRING	1	EIUPCAXI	STACKED TCAPCAXI
(1D)	BITSTRING	1	EIUFLAG6	STACKED EISFLAG6
(1E)	BITSTRING	1	EIUFLAG7	STACKED EISFLAG7
(1F)	BITSTRING	1	EIUXLANG	STACKED EISXLANG
(20)	BITSTRING	1	EIU_ABEND_ EXECKEY	STACKED EIS_ABEND_EXECKEY
(21)	BITSTRING	1	(7)	Reserved
	1. 1		EIULEN	"*-EIUCHAIN"

ARG0 descriptor overlays argument 0 in the argument list from the application

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			EID	EXEC CICS ARGUMENT ZERO
(0)	CHARACTER	2	EIDFN (0)	FUNCTION GROUP AND FUNCTION
(0)	CHARACTER	1	EIDGROUP (0)	FUNCTION GROUP
	.11		EIDDLIGP	"X'44" EXEC DLI
	11		EIDGDGP	"X'24" EXEC CICS GDS
	1 .11.		EIDSPGP	"X'16" EXEC CICS SYNCPOINT & RESYNC
	1		EIDTCGP	"X'04" EXEC CICS TERMINAL CONTROL
	1 1		EIDBMSGP	"X'18" EXEC CICS BMS
	1		EIDICGP	"X'10" EXEC CICS INTERVAL CONTROL
(0)	CHARACTER	1	EIDRMGP EIDOPT0	"X'00" RESOURCE MANAGER OPTION BYTE ZERO
(0) (1)	CHARACTER	1	EIDFUNC (0)	FUNCTION
(1)	1.	'	EIDDLIIN	"X'02" EXEC DLI INIT CALL
	1.		EIDSYNCP	"X'02" EXEC CICS SYNCPOINT
	1.		EIDRECV	"X'02" RECEIVE
	11.		EIDCONV	"X'06" CONVERSE
	1		EIDSEND	"X'04" SEND
	1.		EIDRECVMAP	"X'02" RECEIVE MAP
	1		EIDSENDMAP	"X'04" SEND MAP
	11.		EIDSENDTEXT	"X'06" SEND TEXT
	111.		EIDRECVPARTN	"X'0E" RECEIVE PARTN
	11.		EIDSENDCONTROL	"X'12"" SEND CONTROL
	1		EIDSTART	"X'08" START
	1.1.		EIDRETRIEVE	"X'0A'" RETRIEVE
	1		EIDCANCEL	"X'08" CANCEL
	1		EIDRSYNC	"X'04" EXEC CICS RESYNC
	1 .1		EIDDISC	"X'14" ISSUE-DISCONNECT
	1 1		EIDEAU	"X'18" ISSUE-ERASEAUP
	1 11		EIDPRINT	"X'1C" ISSUE-PRINT
	1		EIDALLOC	"X'20" ALLOCATE
	11.		EIDFREE	"X'22" FREE
(4)	1 CHARACTER	1	EIDPRVFN EIDOPT1	"X'80" >=X'80' MEANS 'HIDDEN-ARGO-CALLS', ELSE DL/I-STYLE. OPTION BYTE 1
(1)	1	'	EIDCOND	"X'04"
(2)	CHARACTER	3	EIDEXIST (0)	ARGUMENT EXISTENCE BITS
(2)	CHARACTER	1	EIDOPT2	OPTION BYTE 2
(-/	.1	•	EIDCOMM	"X'40" COMMAREA specified
	1		EIDDATAL	"X'04" DATALENGTH specified
	1		EIDTRAN	"X'01" TRANSID specified
	owing equates relate of EIDGROUP = X'00'			
	1		EIDNCAL	"X'80'" RM NOT TO BE CALLED
	.1		EIDELUW	"X'40" LAST CALL IN LUW
	1		EIDRRMA	"X'20" RETURN (DON'T ABEND) IF RES-MGR NOT ACTIVE.
	1		EIDACAL	"X'10"" ALL RM'S TO BE CALLED
	1.		EIDSOTR	"X'02" FIRST CALL IN TASK
	1		EIDEOTR	"X'01" LAST CALL IN TASK
End of h	nidden arg 0 call equa	ites		
(3)	CHARACTER	1	EIDOPT3	OPTION BYTE 3
(4)	CHARACTER	1	EIDOPT4	OPTION BYTE 4
	1		EIDSYEIB	"X'80" TRANSLATED USING THE SYSEIB OPTION
	.1		EIDNOEDF	"X'40" NOEDF
(5)	1		EIDNOHAN	"X'20" NOHANDLE
(5)	CHARACTER 1	1	EIDOPT5	OPTION BYTE 5 "X'01" SET
	1 1.		EIDSET EIDNEXT	"X'02" NEXT
	1.		EIDPSBKR	
	1		EIDMASSI	"X'02" PASSBK ON RECEIVE "X'04" MASSINSERT
	1		EIDTOL31	"X'80" 31 BIT LENGTH IN TC ARG2
	.1		EIDFML31	"X'40" 31 BIT LENGTH IN TO ARG2
	1		EIDMXL31	"X'20" 31 BIT LENGTH IN TO ARG9
	1		EIDNTRNC	"X'10" TC NOTRUNCATE OPTION

1 EIDTPM32 "X80" TRACE OF TRACE OF TO TRACE OF TO TRACE LIST EIDTRIST EIDTRIST X10" TRACE LIST .	Offset Hex	Туре	Len	Name (Dim)	Description
		1		EIDTPN32	"X'80" TPNs > 32 chars are valid
		.1		EIDTROFF	"X'40" TRACE OFF
		1		EIDTRLST	"X'10" TRACE LIST
		1		EIDTRSIN	"X'08'" TRACE SINGLE
		1		EIDTRSYS	"X'04'" TRACE SYSTEM
BIOMSDEF "X02" BMS DEFAULT "X02" BMS ALTERNATE EIDMSALT "X02" BMS ALTERNATE EIDMSALT "X02" BMS ALTERNATE EIDCONFM "X89" TEX CONFIRM OPTION BYTE 6 EIDRSA "X89" RBA		1.		EIDTRUSE	"X'02'" TRACE USER
(6) CHARACTER 1 EIDOPTG OPTION BYTE 6 1		1		EIDTRALL	"X'01" TRACE ALL
6 CHARACTER		1		EIDMSDEF	"X'04'" BMS DEFAULT
1 EIDCONFM XX80" TC CONFIRM OPTION		1.		EIDMSALT	"X'02'" BMS ALTERNATE
1 EIDCONFM XX80" TC CONFIRM OPTION	(6)		1		
1 EIDSAN	(-)				
1					
1					
1.					
1.1 EIDTCDEF					
(7) CHARACTER 1 EIDOPT7 OPTION BYTE 7					
	(7)		1		
	(1)		'		
DECIDION START WITH DATA					
1					
1					
(8) CHARACTER 1 EIDCMID (0) RESOURCE MANAGER ID OPTION BYTE 8					
(8) CHARACTER 1 EIDOPTS OPTION BYTE 8					
				` '	
1. EIDLABEL "X'02" LABEL1 EIDPROG "X'01" PROGRAM1 EIDTCWRI "X'01" TC SEND / CONVERSE1. EIDWT "X'04" WAIT (9) CHARACTER 1 EIDOPT9 OPTION BYTE 91 EIDRN "X'10" RRN (A) CHARACTER 1 EIDOPT10 OPTION BYTE 10 EIDBUF "X'80" BUFFER EIDBUF "X'80" BUFFER EIDWAIT "X'08" WAIT (B) CHARACTER 1 EIDOPT11 OPTION BYTE 11 EIDFMAIT "X'08" WAIT (C) CHARACTER 1 EIDOPT12 OPTION BYTE 11 EIDFMH "X'10" RETAIN EIDRAST "X'08" RELEASE (D) CHARACTER 1 EIDOPT13 OPTION BYTE 12 EIDRAST "X'08" RELEASE (D) CHARACTER 1 EIDOPT14 OPTION BYTE 13 (E) CHARACTER 1 EIDOPT14 OPTION BYTE 13 (E) CHARACTER 1 EIDOPT14 OPTION BYTE 13 (E) CHARACTER 1 EIDOPT15 OPTION BYTE 14 EIDSTRF "X'10" STRUCTURED FIELD EIDNUT "X'02" INVITE (F) CHARACTER 1 EIDOPT15 OPTION BYTE 15 (10) CHARACTER 1 EIDOPT16 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT17 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT17 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT19 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT19 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT19 OPTION BYTE 19 (14) CHARACTER 1 EIDOPT20 OPTION BYTE 19 (15) CHARACTER 1 EIDOPT21 OPTION BYTE 22 (17) CHARACTER 1 EIDOPT22 OPTION BYTE 23 (18) CHARACTER 1 EIDOPT24 OPTION BYTE 25 (17) CHARACTER 1 EIDOPT24 OPTION BYTE 25 (18) CHARACTER 1 EIDOPT24 OPTION BYTE 25 (19) CHARACTER 1 EIDOPT26 OPTION BYTE 26	(8)	CHARACTER	1		
Color Colo		• • • • • • • • • • • • • • • • • • • •		EIDCANCL	
		1.			
CHARACTER		1		EIDPROG	"X'01" PROGRAM
(9) CHARACTER 1 EIDOPT9 OPTION BYTE 91 EIDRRN "X'10" RRN (A) CHARACTER 1 EIDOPT10 OPTION BYTE 10 11 EIDMAPO "X'C0" MAPONLY 1 EIDBUF "X'80" BUFFER 1 EIDWAIT "X'08" WAIT (B) CHARACTER 1 EIDOPT11 OPTION BYTE 11 1 EIDPSKW "X'04" PASSBK ON SEND (C) CHARACTER 1 EIDOPT12 OPTION BYTE 12 1 EIDRAIN "X'10" FMH 1 EIDLAST "X'08" LAST 1 EIDLAST "X'08" RELEASE (D) CHARACTER 1 EIDOPT13 OPTION BYTE 13 (E) CHARACTER 1 EIDOPT14 OPTION BYTE 14 1 EIDSTRF "X'10" STRUCTURED FIELD 1 EIDNIT "X'02" INVITE (F) CHARACTER 1 EIDOPT15 OPTION BYTE 15 (10) CHARACTER 1 EIDOPT15 OPTION BYTE 15 (11) CHARACTER 1 EIDOPT16 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT17 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT18 OPTION BYTE 15 (11) CHARACTER 1 EIDOPT18 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT18 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT18 OPTION BYTE 17 (12) CHARACTER 1 EIDOPT18 OPTION BYTE 18 (13) CHARACTER 1 EIDOPT18 OPTION BYTE 18 (13) CHARACTER 1 EIDOPT19 OPTION BYTE 19 (14) CHARACTER 1 EIDOPT20 OPTION BYTE 20 (15) CHARACTER 1 EIDOPT21 OPTION BYTE 21 (16) CHARACTER 1 EIDOPT22 OPTION BYTE 22 (17) CHARACTER 1 EIDOPT25 OPTION BYTE 23 (18) CHARACTER 1 EIDOPT25 OPTION BYTE 25 (1A) CHARACTER 1 EIDOPT25 OPTION BYTE 26		1		EIDTCWRI	
CANTACTER		1		EIDWT	"X'04'" WAIT
(A) CHARACTER 1 EIDAPT10 OPTION BYTE 10 11 EIDMAPO "X'CO" MAPONLY 1 EIDBUF "X'80" BUFFER 1 EIDWAIT "X'08" WAIT (B) CHARACTER 1 EIDOPT11 OPTION BYTE 11 1 EIDPSBKW "X'04" PASSBK ON SEND (C) CHARACTER 1 EIDOPT12 OPTION BYTE 12 1 EIDFAIN "X'10" RETAIN 1 EIDRAIN "X'10" RETAIN 1 EIDRASE "X'08" RELEASE (D) CHARACTER 1 EIDOPT13 OPTION BYTE 13 (E) CHARACTER 1 EIDOPT14 OPTION BYTE 13 (E) CHARACTER 1 EIDOPT14 OPTION BYTE 14 1 EIDSTRF "X'10" STRUCTURED FIELD 1 EIDNVIT "X'02" INVITE (F) CHARACTER 1 EIDOPT15 OPTION BYTE 15 (10) CHARACTER 1 EIDOPT16 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT17 OPTION BYTE 18 (13) CHARACTER 1 EIDOPT18 OPTION BYTE 18 (13) CHARACTER 1 EIDOPT19 OPTION BYTE 19 (14) CHARACTER 1 EIDOPT20 OPTION BYTE 20 (15) CHARACTER 1 EIDOPT21 OPTION BYTE 21 (16) CHARACTER 1 EIDOPT21 OPTION BYTE 22 (17) CHARACTER 1 EIDOPT22 OPTION BYTE 22 (17) CHARACTER 1 EIDOPT24 OPTION BYTE 23 (18) CHARACTER 1 EIDOPT25 OPTION BYTE 25 (1A) CHARACTER 1 EIDOPT25 OPTION BYTE 26	(9)	CHARACTER	1	EIDOPT9	OPTION BYTE 9
11 EIDMAPO "X'CO" MAPONLY 1 EIDBUF "X'80" BUFFER		1		EIDRRN	"X'10'" RRN
1 EIDBUF "X'80" BUFFER "X'80" BUFFER "X'80" WAIT "X'08" WAIT "X'08" WAIT "X'08" WAIT EIDWAIT "X'04" PASSBK ON SEND COPTION BYTE 11 EIDPSBKW "X'04" PASSBK ON SEND COPTION BYTE 12 COPTION BYTE 13 COPTION BYTE 13 COPTION BYTE 13 COPTION BYTE 13 COPTION BYTE 14 COPTION BYTE 14 COPTION BYTE 14 COPTION BYTE 14 COPTION BYTE 15 COPTION BYTE 16 COPTION BYTE 16 COPTION BYTE 16 COPTION BYTE 17 COPTION BYTE 18 COPTION BYTE 18 COPTION BYTE 19 COPTION BYTE 19 COPTION BYTE 19 COPTION BYTE 19 COPTION BYTE 20 COPTION BYTE 22 COPTION BYTE 23 COPTION BYTE 23 COPTION BYTE 24 COPTION BYTE 24 COPTION BYTE 25 COPTION BYTE 26 COPTION BYTE 25 COPTION BYTE 26 COPTION BYTE 26 COPTION BYTE 25 COPTION BYTE 26 COPTI	(A)	CHARACTER	1	EIDOPT10	OPTION BYTE 10
C		11		EIDMAPO	"X'C0'" MAPONLY
(B) CHARACTER 1 EIDOPT11 OPTION BYTE 11 1 EIDPSBKW "Y04" PASSBK ON SEND (C) CHARACTER 1 EIDOPT12 OPTION BYTE 12 1 EIDFMH "X10" RETAIN 1 EIDRAIN "X10" RETAIN 1 EIDLAST "Y08" LAST 1 EIDLAST "Y08" LAST 1 EIDLAST "Y08" LAST 1 EIDOPT13 OPTION BYTE 13 (E) CHARACTER 1 EIDOPT14 OPTION BYTE 14 1 EIDSTRF "X10" STRUCTURED FIELD 1. EIDNVIT "X02" INVITE (F) CHARACTER 1 EIDOPT15 OPTION BYTE 15 (10) CHARACTER 8 EIDLNNO (0) LINE NUMBER (10) CHARACTER 1 EIDOPT16 OPTION BYTE 16 (11) CHARACTER 1 EIDOPT17 OPTION BYTE 18 (13) CHARACTER 1 EIDOPT18 OPTION BYTE 18 (13) CHARACTER 1 EIDOPT19 OPTION BYTE 19 (14) CHARACTER 1 EIDOPT20 OPTION BYTE 20 (15) CHARACTER 1 EIDOPT21 OPTION BYTE 21 (16) CHARACTER 1 EIDOPT21 OPTION BYTE 22 (17) CHARACTER 1 EIDOPT24 OPTION BYTE 23 (18) CHARACTER 1 EIDOPT25 OPTION BYTE 26 (14) CHARACTER 1 EIDOPT25 OPTION BYTE 25 (15) CHARACTER 1 EIDOPT25 OPTION BYTE 25 (16) CHARACTER 1 EIDOPT25 OPTION BYTE 25		1		EIDBUF	"X'80'" BUFFER
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(19) CHARACTER 1 EIDOPT25 OPTION BYTE 25 (1A) CHARACTER 1 EIDOPT26 OPTION BYTE 26					
(1A) CHARACTER 1 EIDOPT26 OPTION BYTE 26					
(1B) CHARACTER 1 EIDOPT27 OPTION BYTE 27					
	(1B)	CHARACTER	1	EIDOP127	OPTION BYTE 27

EIS EXEC interface structure

 Offset Hex (0)
 Type Len Description
 Name (Dim) Description
 Description

CONTROL BLOCK NAME = DFHEISDS
DESCRIPTIVE NAME = CICS EXEC Interface Structure.
FUNCTION =
This copybook describes the system part of the EXEC Interface storage (EIS). It does not contain a DSECT

statement and it is normally invoked by DFHEIS. See

this macro for reasons and details.

 Offset Hex
 Type
 Len
 Name (Dim)
 Description

 (0)
 HALFWORD
 2
 EIS_LENGTH
 >Length of EIS

EIS_EYE

TASK LIFETIME STORAGE

(2)

CHARACTER

The following storage is used to hold information which has the

8)	ADDRESS	4	EIS_USER_ EIB_ADDR	Address of 'User' EIB
C)	ADDRESS	4	EISEIPB9	SAVE EIP BASE REG 9
))	ADDRESS	4	EISTCTTE (0)	A(TCTTE) for terminal/LU specified in current TC cmd.
0)	ADDRESS	4	EISTCTSE	A(TCTSE) specified in ALLOCATE
4)	ADDRESS	4	EISEDFTA	A(EDF display term.) in 2-term debug
8)	ADDRESS	4	(0)	
(8)	CHARACTER	18	EISTRDATA (0)	Data for TRACE_PUT
(8)	CHARACTER	8	EISTRFLDAB (0)	Field A and B
18)	CHARACTER	4	EISTRFLDA	Field A
C)	CHARACTER	4	EISTRFLDB	Field B
(0)	CHARACTER	8	EISTRRES	Resource name
28)	CHARACTER	2	EISTRREQ (0)	Request bytes
28)	CHARACTER	1	EISTRREQ1	Request byte 1
,		1		
29)	CHARACTER		EISTRREQ2	Request byte 2
(C)	ADDRESS	4	EISATABN	Saved table entry pointer to avoid subsequent lookup. Also used for this by CAU.
30)	ADDRESS	4	EISCAHCB	HEAD OF CHAIN OF ATTACH HEADER CONTROL BLOCKS
34)	ADDRESS	4	EISEDFDL	DEBUG LINKAGE
38)	BITSTRING	1	EISFLAG2	SOME ACTIVE HANDLE CONDS
	1		EISRDATT	"X'80" RDATT
	.1		EISWRBRK	"X'40" WRBRK
	1		EISEOF	"X'20" EOF
	1		EISNOSPA	"X'10" NOSPACE
	1		EISQBUSY	"X'08'" QBUSY
	1		EISNOSTG	"X'04" NOSTG
	1.		EISNQBSY	"X'02'" ENQBUSY
	1		EISNOJBS	"X'01" NOJBUFSP
39)	BITSTRING	1	EISFLAG3	7.01 1100001.01
,,	1		EISIGNAL	"X'80" SIGNAL
	.1		EISOFLOW	"X'40" OVERFLOW
	1		EISYSBSY	"X'20" SYSBUSY
	1		EISESBSY	"X'10" SESSBUSY
3A)	BITSTRING	1	EISFLAG5	
	1		EISIN1	"X'80" 1 FOR FIRST RECEIVE OVER
	.1		EISLERR	"X'40" 1 FOR LENGERR TO BE RAIS
	1		EISRECF	"X'20" 1 FOR F FORMAT
	1		EISRECU	"X'10" 1 FOR U FORMAT
	1		EISRETRY	"X'08" 1 FOR RETRIEVE IOERROR
	1		EISTWAIT	"X'04"" 1 FOR WRITE WITHOUT WAIT
	1.		EISTAID	"X'02'" 1 FOR TEST EIBAID
	1		EISSPCIN	"X'01" SPECIAL INITLZD FOR TASK
B)	BITSTRING	1	EISDRESP	DELAY RESPONSE
C)	BITSTRING	1	EISFLAG4	
,	1		EISABDMP	"X'80" Last abend included dump
	.1		EISRUTER	"X'40" In rununit initialization or rununit termination
	1		EISQRECV	"X'20" TSQ recoverable (for CAU).
	1		EISQMAIN	"X'10" TSQ in main stg (for CAU).
	1			A 10 130 III IIIaiii sig (ioi CAO).
	1		EIS_LOWER_	
			LEVEL_ABENDED	W/(00) A
				"X'08" A user program at a lower link-level has abended previously
	1		EISEDFSE	"X'04" User task security initialized
D)	BITSTRING	1	EISEDFDM	EDF DEBUG MODE
	1		EISEDFDO	"X'80" DEBUG ON
	.1		EISEDFST	"X'40" SEPARATE TERMINAL
	1		EISEDFX	"X'20" I/O ISSUED BY EDFX
	1		EISABNDG	"X'10" EDFX has issued an abend
3E)	CHARACTER	2		Reserved
	ADDRESS	4	EISTIOA	A(TIOA below the line)

>EIS eye catcher

Offset Hex	Туре	Len	Name (Dim)	Description				
(44)	FULLWORD	4	EISTIOAL	length of below the line TIOA				
(48)	FULLWORD	4	EISUPERC	super-link level count for RMI				
(4C)	ADDRESS	4	EISEXITT	Task token for user exit				
(50)	ADDRESS	4	EIS_SYS_EIB_ADDR	address of 'System' EIB				
(54)	ADDRESS	4	EISEIPB8	Save DFHEIP Base Reg 8				
(58)	ADDRESS	4	EISTRACE	Level 2 trace				
(5C)	FULLWORD	4	EISSAVE0	R0 save area for GETMAIN/FREEM.				
(60)	ADDRESS	4	EISSAVE1	R1 save area for GETMAIN/FREEM.				
(64)	ADDRESS	4	EISSAVE6	R6 save area for GETMAIN/FREEM.				
(68)	ADDRESS	4	EISSAVE7	R7 save area for GETMAIN/FREEM.				
The follo	PROGRAM LIFETIME STORAGE The following storage is used to hold information which has the same lifetime as the current program							
(6C)	HALFWORD	2	EISCSETL	data length (no trunc) for read set				
(6E)	CHARACTER	1	EISENILT	ENTRY NO. IN LABEL TABLE				
(6F)	CHARACTER	1		Reserved				
(70)	ADDRESS	4	EISRET	SUBROUTINE RETURN ADDRESS				
(74)	ADDRESS	4		Reserved for Service				
The follo	ND LIFETIME STORA owing storage is used etime as the current or	to hold inforr	mation which has the					
(78)	CHARACTER	12	EISTCACA	SAVE AREA FOR TCACCCA				
(84)	CHARACTER	4	EISSYSNM	name of sys. holding resrce.				
(88)	HALFWORD	2	EISCKEYL	key length for current request				
(8A)	HALFWORD	2	FIOTEND	Reserved				
(8C)	ADDRESS	4	EISTEMP	TEMPORARY R14 SLOT				
(90)	ADDRESS	4	EISTEMP2	TEMPORARY R14 SLOT				
(94) (98)	ADDRESS ADDRESS	4 4	EISTEMP3 EISTEMP4	TEMPORARY R14 SLOT TEMPORARY R14 SLOT				
(96) (9C)	BITSTRING	1	EISEDFRB	EDF REQUEST/REPLY BYTE				
(00)			2.023.113	EST NEGOTOTINE ET STIE				
	REQUEST BITS							
	1		EISEDFRQ	"X'80" EXEC REQUEST				
	.1		EISEDFRS	"X'40" EXEC RESPONSE				
	1		EISEDFIN	"X'20" INITIALIZATION				
	1		EISEDFPT	"X'10" PROGRAM TERMINATION				
	1		EISEDFTT EISEDFAB	"X'08" TASK TERMINATION "X'04" ABEND				
	1.		EISEDFAC	"X'02" ABNORMAL CONDITION				
	1		EISEDFRE	"X'01" PLIST-REFORMAT REQUIRED				
	REPLY BITS							
	1		EISEDFFA	"X'80" FORCED ABEND				
	.1		EISEDFUA	"X'40" USER ABEND				
	1		EISEDFUW	"X'20" USER ABEND WITH DUMP				
	1		EISEDFUD EISEDFCA	"X'10" USER DUMP "X'08" CATASTROPHIC ABEND				
(9D)	BITSTRING	1	EIS_TEMP_EXECKEY	Instantaneous execution key store for fastpath getmain calls				
(9E)	CHARACTER	2	2.02.m2x20x2.	Reserved				
	START OF STACKED STORAGE							
length of		SUPERB is is is held in EIS	stacked across links. The					
(A0)	ADDRESS	4	EISTACKA (0)					
(A0)	ADDRESS	4		Reserved for Service				
(A4)	ADDRESS	4	EIS_EID_SAVE	Save EID address when calling PL/I Abnormal Goto routine				
(A8)	ADDRESS	4	EISRUSTG	RUN UNIT LOCAL STORAGE ADDRESS				
(AC)	ADDRESS	4	EISERMSA	EDF/DLI ADDR EDF DISPLAY DATA				
AD		UING AN "A	D BY DFHEIP TO SAVE A RETURN BNORMAL GOTO OUT-OF-BLOCK" COUTINE.					
(B0)	ADDRESS	4	EISRETP	SAVE A LOCAL RETURN ADDRESS				
(B4)	ADDRESS	4	EIS_PLB_ADDRESS	Addr(Program Language Block)				
(B8)	ADDRESS	4	EIS_APLI_ SAVEAREA	Addr(DFHAPLI's registers on giving up control)				
(BC)	ADDRESS	4	EISASTG	A(WS) FOR COBOL ONLY				
(C0)	CHARACTER	2	EIS_PROGRAM_MODE	TCB MODE for application program				
(C2)	BITSTRING	1	EISAPM	APPLICATION PROGRAM MASK				
(C3)	BITSTRING	1	EISFLAG8	"VIOO!" TO A A AM CET IN EDEV CDD 1001/ED ADAID				
	1		EISSRPAB	"X'80" TCAAAM SET IN EDFX-SRP ISSUED ABND				
	.1 1		EISEDFRM EISERM31	"X'40" INDICATE EDF INVOKED BY ERM "X'20" DEHERM INVOKED IN AMODE 31				
	1		EISERM31 EISEDFRN	"X'20" DFHERM INVOKED IN AMODE 31 "X'10" INDICATE NEW TYPE EDF SCREEN REQUIRED				
	1		EISCEDFKN	"X'08" CEDF allowed for current program				
	1		EISSTKCM	"X'04" Within User exit when EDF invoked				
	1.		EISDPL	"X'02" Program restricted to DPL API				
	1		EISYNCOK	"X'01" Syncpointing allowed in DPL server prog.				
(C4)	BITSTRING	1	EISFLAG9					
(- ·)	1		EISSYEIB	"X'80" SYSEIB ON LAST EXEC CICS COMMAND				
	.1		EISRTDST	"X'40" Indicate a RouTeD STart request				
(C5)	BITSTRING	1	(3)	RESERVED				

Offset Hex	Туре	Len	Name (Dim)	Description				
to X'00'	The following storage up to the EQU for EISINITL is re-initialised to X'00' for each program level The length of this initialised area is in EISINITL.							
(C8)	ADDRESS	4	EISINITA (0)					
(C8)	BITSTRING	1	EISFLAG1	ASSORTED FLAGS				
	1		EISRORX	"X'80" 1 FOR PL/I RETURN OR XCTL				
	.1		EISSPEX	"X'40" eligible for XEISPIN,OUT				
	1		EISEDFAM	"X'20" AMODE IS 31 BIT				
	1 1		EISPGOTO EISTMPTT	"X'08" LE/370 Perform Goto flag "X'04" Cobol and C/370 recursive thread termination flag				
	1.		EISEDFFC	"X'02" 1 FOR EDF WAS ON FOR FIRST CALL OF A SET OF CALLS				
	1		EISEXEC	"X'01" 1 DURING EXEC COMMAND				
(C9)	CHARACTER	2	EIS_FASTPATH (0)	Fastpath Condition Flags				
(C9)	BITSTRING	1	EISFLAG6	MASTERS FOR EISFLAG2				
(CA)	BITSTRING	1	EISFLAG7	AND EISFLAG3				
A PAT	EISLANG NOW REF TERN OF BITS TEST 1,1,2,7 IN EISLANG A	ED BY CLI						
(CB)	BITSTRING	1	EISLANG	LANGUAGE FLAGS				
	1 111.		EISLANGS	"X'1E"" ALL LANGUAGE BITS				
	1		EISRPG	"X'10" FOR RPG PROGRAM				
	1		EISASM	"X'08" FOR ASM PROGRAM				
	1 11.		EISCOBOL	"X'04" FOR COBOL PROGRAM				
	1.		EISSPCOB EISPLI	"X'06" FOR SPECIAL PROGRAM "X'02" FOR PL/I PROGRAM				
	1.1.		EISPLS	"X'0A" FOR PL/AS PROGRAM				
	11		EISVSPLI	"X'0C" FOR V. SPECIAL PROGRAM				
	111.		EISC	"X'0E'" FOR C PROGRAM				
(CC)	BITSTRING	1	EISFLAGA	flag byte				
	1		EISDAT31	"X'80" program will accept data above 16M				
	1		EIS_XCTL	"X'04" User has issued XCTL				
	1.		EIS_PROGRAM_ ABENDED	"X'02" DFHAPLI's Recovery Routine has detected that the program has abended				
			EISEIECR	"X'01" The program has terminated by issuing Exec Cics Return				
CUR	CS_DATAKEY, CICS RENT_EXECKEY an of the support for Stor	d ABEND_E						
	1		EIS_CICS_DATAKEY	"X'20" Current program was defined with CICS data location key.				
	1		EIS_CICS_EXECKEY	"X'10" Current program was defined with				
	1		EISRUNIN	"X'08" CEE Run-Unit in control CICS execution key.				
(CD)	BITSTRING	1	EIS_CURRENT_ EXECKEY	Instantaneous avecution key when assured command stanted in first 4 bits				
	11		EIS_USERKEY	Instantaneous execution key when current command started in first 4 bits "X'90" Constant for testing EIS_CURRENT_EXECKEY				
(CE)	BITSTRING	1	EIS_ABEND_ EXECKEY	Instantaneous execution key when the last HANDLE ABEND LABEL was executed at this				
, ,				level in first 4 bits				
(CF)	BITSTRING	1		Reserved				
(D0)	ADDRESS	4	EIS24STG	a(run-unit work-area <16 meg)				
	11		EISINITL	"*-EISINITA" LENGTH CLEARED				
This is the	he end of the area ini	tialised to X'	00' on LINK or XCTL.					
	11 .1		EISTACKL	"*-EISTACKA" Length stacked on LINK				
The follo by a res event the	ource manager call (S	tacked by a	AGE LINK, however it is stacked) to allow for recursion in the CS via the command level					
(D4)	ADDRESS	4	EISUPERB (0)	START OF SUPERLINK				
(D4)	ADDRESS	4	EISICIOAL	IC Retrieve length for Bridge				
(D8)	ADDRESS	4	EISBAIOA	A(BAIOA)				
(DC)	ADDRESS	4	EISTDIA	A(TDIA)				
(E0)	ADDRESS	4	EISTSIOA	A(TSIOA)				
(E4) (E8)	ADDRESS ADDRESS	4 4	EISICIOA EISDITAB	IC TSIOA DI TABLE				
(EC)	ADDRESS	4	EISFCTAB	FC reserved field				
(F0)	ADDRESS	4	EISFCPTR	FC transformer field				
(F4)	ADDRESS	4	EISCBUFC	HEAD OF CHAIN OF REMOTE FILE OPERATION ENTRIES				
(F8)	ADDRESS	4	EISERMDA	A(ERM-EDF I/F VECTOR)				
(FC)	ADDRESS	4	EISEIPR1	EIP'S INPUT R1 FOR EDF				
(100)	ADDRESS	4	EISBIBP	ADDRESS OF BIB (FOR INQUIRES)				
(104)	ADDRESS	4	EISUPERE (0)	END OF SUPERLINK *				
end of S	SUPERLINK storage							
(104)	FULLWORD	4	(0)					
(104)	CHARACTER	8	EISTITLE	DFHEIB				

EISTG EXEC interface dynamic storage

EXEC INTERFACE DYNAMIC STORAGE

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHEISTG	EXEC INTERFACE STORAGE
(0)	FULLWORD	4	DFHEISA (18)	SAVE AREA R14-R12 AT 12 OFF
(48)	FULLWORD	4	DFHEILWS	RESERVED
(4C)	FULLWORD	4	DFHEINAB	RESERVED
(50)	FULLWORD	4	DFHEIRS0	RESERVED
(54)	FULLWORD	4	DFHEIR13	REGISTER 13
(58)	FULLWORD	4	DFHEIRS1	RESERVED
(5C)	FULLWORD	4	DFHEIBP	EIB POINTER (NOT USED IF BATCH)
(60)	FULLWORD	4	DFHEICAP	COMMAREA POINTER (NOT USED IF BATCH)
(64)	HALFWORD	2	DFHEIV00	HALFWORD TEMP USED BY DFHECALL
(66)	HALFWORD	2	DFHEIRS2	RESERVED
(68)	FULLWORD	4	DFHEIPL (13)	PARAMETER LIST
(9C)	FULLWORD	4	(51)	ALLOW 64 PARAMETERS FOR DLI AND IN XA2 ON, FOR EXEC CICS ALSO
(168)	FULLWORD	4	DFHEIRS3	RESERVED
(16C)	FULLWORD	4	DFHEIRS4	RESERVED
(170)	FULLWORD	4	DFHEITP1	TEMPORARY POINTER 1
(174)	FULLWORD	4	DFHEITP2	TEMPORARY POINTER 2
(178)	FULLWORD	4	DFHEITP3	TEMPORARY POINTER 3
(17C)	FULLWORD	4	DFHEITP4	TEMPORARY POINTER 4
	START DEFINITIO	N OF USER	DYNAMIC STORAGE	
(180)	DBL WORD	8	DFHEIUSR (0)	ALIGN USER DYNAMIC STORAGE

EIUS EXEC interface user structure

```
CONTROL BLOCK NAME = DFHEIUS
DESCRIPTIVE NAME = CICS User part of EXEC interface storage
FUNCTION =
   This is part of the interface between the application
   program and CICS. It contains fields whose addresses
   are passed to the application or to other products which
   invoke the application.
   The EIUS is owned by the Execution Interface Component.
   There is one EIUS per transaction.
LIFETIME =
   The EIUS is created in DFHAPDS and lasts for the life
   of the task.
STORAGE CLASS =
   The subpool is chosen according to the TASKDATAKEY and
   TASKDATALOC options specified for the task.
   The possible subpools are :
   SUBPOOL TASKDATAKEY TASKDATALOC
   USER24 USER BELOW
   USER31 USER ANY
   CICS24 CICS BELOW
   CICS31 CICS ANY
LOCATION =
   The EIUS is addressed from the TCA by TCAEIUSA.
INNER CONTROL BLOCKS =
   None
NOTES:
  DEPENDENCIES = S/370
 RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
  DATA AREAS =
    This control block references no operating system data
   areas.
  CONTROL BLOCKS =
    This control block references no other control blocks.
  GLOBAL VARIABLES (Macro pass) =
    This control block definition references no global
    variables.
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	180	DFHEIUS	EXEC Interface User Structure

Offset Hex	Туре	Len	Name (Dim)	Description				
(0)	CHARACTER	16	EIUS_PREFIX	Standard control block prefix				
(0)	HALFWORD	2	EIUS_LENGTH	Length of DFHEIUS				
(2)	CHARACTER	1	EIUS_ARROW	<u>'</u>				
(3)	CHARACTER	3	EIUS_DFH	'DFH'				
(6) (10)	CHARACTER ADDRESS	10 4	EIUS_BLOCK_NAME *	'EIUS' Reserved				
(10)				I CESEI VEU				
	START OF STACKED STORAGE The following storage up to EIUS_SUPER_STACK is stacked across a LINK or XCTL.							
	ists of two parts :							
	S_STACK_INIT - reini S_STACK_ASIS - left							
(14)	CHARACTER	144	EIUS_STACK_AREA	The whole link stack area				
	llowing storage up to Ealised to X'00' following							
(14)	CHARACTER	16	EIUS_STACK_INIT	Reinitialised section				
(14)	CHARACTER	8	EIUS_CEE_ RUNUNIT_TK					
(4.0)	ADDDEGG			CEE rununit token				
(1C) (20)	ADDRESS ADDRESS	4 4	*	Reserved Reserved				
	the end of the area in		'00' on LINK or YCTI					
The fo	ollowing storage up to ing a LINK or XCTL.							
(24)	CHARACTER	128	EIUS_STACK_ASIS	Left asis on the stack				
	ollowing fields up to El BOL II as an argumer							
(24)	CHARACTER	28	EIUS_CII_ ARG_LIST					
				COBOL II argument list				
(24)	ADDRESS	4	EIUS_CII_ARG1	COBOL II first argument				
(28)	ADDRESS ADDRESS	4	EIUS_CII_ARG2 EIUS CII ARG3	COBOL II third argument				
(2C) (30)	ADDRESS	4 4	EIUS_CII_ARG3 EIUS_CII_ARG4	COBOL II third argument COBOL II forth argument				
(34)	ADDRESS	4	EIUS_CII_ARG5	COBOL II fifth argument				
(38)	ADDRESS	4	*	Reserved				
(3C)	ADDRESS	4	*	Reserved				
(40)	CHARACTER	8	EIUS_HLL_ RUNUNIT_TK					
				High level lang rununit token				
	EIB_ADDR and EIUS HEIENT macro in EX		MMA_ADDR must be contiguous h Assembler.					
(48)	ADDRESS	4	EIUS_EIB_ADDR	EIB address				
running can no If it is a	g program. It may be a of access the original b a copy then the addres	a copy taken ecause of its						
	RIG_COMMA_ADDR.							
(4C)	ADDRESS	4	EIUS_CURR_ COMMA_ADDR					
			COMMA_ADDR	Current commarea address				
(50)	ADDRESS	4	EIUS_RSA_ADDR	Appl Reg Save Area address				
(54)	CHARACTER	72	EIUS_RSA	Reg Save Area for appl use				
(9C)	ADDRESS	4	EIUS_CEE_TWA	Addr LE/370 Thread w/a				
(A0)	ADDRESS	4	*	Reserved				
	END OF STA	CKED STOP	RAGE					
SLIDER	RLINK STORAGE							
	llowing storage is not	stacked by a	LINK however it is					
	d by a resource mana							
	on in the event that th							
	command level interfa							
The sto	orage is left asis follov	ving a SUPE	RLINK.					
(A4)	CHARACTER	16	EIUS_SUPER_STACK	Start of SUPERLINK storage				
	EIB_ADDR_PTR and se an argument list is		MA_ADDR_PTR must be contiguous					
(A4)	CHARACTER	8 4	EIUS_ARG_LIST	Application argument list				
(A4)	ADDRESS	4	EIUS_EIB_ ADDR_PTR	Ptr to EIUS EIB ADDR				
(A8)	ADDRESS	4	EIUS_COMMA_ ADDR_PTR					
				Ptr to EIUS_CURR_COMMA_ADDR				
(AC)	ADDRESS	4	*	Reserved				
(B0)	ADDRESS	4	EILIS SLIDED END	Reserved				
(B4)	CHARACTER		EIUS_SUPER_END	End of SUPERLINK storage				

EXEC terminal control **ETC**

CONTROL BLOCK NAME = DFHETCDS
DESCRIPTIVE NAME = CICS EXEC Terminal Control

Offset Hex	Туре	Len	Name (Dim)	Description			
(0)			DFHETCDS				
to hold Severa the EX may al A	The EXEC terminal-control control block describes the storage used to hold data relatin to ATTACH function management headers (FMHs). Several such blocks may be created for a task and are chained from the EXEC interface structure (field EISCAHCB). Individual blocks may also be chained from TCTTEs owned by the task (field TCTEEIEX). ALLOW FOR (USER) STORAGE ACCOUNTING INFORMATION						
(0)	ADDRESS	4	(2)	**			
	RST COME DEFINITIO						
(8)	ADDRESS	4	ETCBFCHN	POINTER TO NEXT EXEC TC CONTROL BLOCK			
(C)	ADDRESS	4	ETCBTEAR	0 IF ETCBUSID SET OR A(TCTTE) IF ETCBTCID SET			
(10)	ADDRESS	4	ETCBSTDA	LOW BOUND ADDRESS FOR FMH BUILD / EXTRACT			
(14)	ADDRESS	4	ETCBNDDA	HIGH BOUND ADDRESS FOR FMH BUILD / EXTRACT			
(18)	CHARACTER	8	ETCBID ETCBELCS	NAME OF EXEC TERMINAL CONTROL CONTROL BLOCK			
(20)	CHARACTER	1	ETCBFLGS ETCBLISID	"Y'90" ID IS 9 BYTE LISED NAME			
	1		ETCBUSID ETCBTCID	"X'80" ID IS 8 BYTE USER NAME "X'40" ID IS 4 BYTE TCTTE NAME			
(21)	CHARACTER	1	ETCBXTOP	FMH BUILD / EXTRACT OPTIONS BYTE - VALUES CORRESPOND TO THOSE HELD IN			
	1		ETCREVNO	TCTEXTOP			
	1 .1		ETCBEXNO ETCBEXAT	"X'80" EXTRACT = NO "X'40" EXTRACT = ATTACH			
	1		ETCBEXAT	"X'20" EXTRACT = REPARE			
(22)	CHARACTER	1	ETCBREMV	FMH REMOVAL OPTIONS BYTE - VALUES ARE IDENTICAL TO THOSE HELD IN			
` '				ETCBXTOP			
(23)	CHARACTER	1	ETCBBILD	FMH BUILD OPTIONS			
	1		ETCBUFMH	"X'80" USER DATA CONTAINS FMH(S)			
	.1		ETCBBUAT	"X'40" BUILD = ATTACH			
(24)	FULLWORD	4	ETCBBUPR (0)	"X'20" BUILD = PREPARE * *			
NC	W COME DEFINITION LATE TO AN LU6 PRE	IS FOR FIE	ELDS THAT				
(24)	CHARACTER	1	LU6PTYP	VALUE PUT IN FMHPPTYP *			
NC	W COME DEFINITION LATE TO AN LU6 ATT		ELDS THAT				
(25)	CHARACTER	1	LU6MTYP	VALUE PUT IN FMHXMOD			
(26)	CHARACTER	1	LU6DS	VALUE PUT IN FMHADS			
(27)	CHARACTER	1	LU6DBA	VALUE PUT IN FMHADBA *			
	W COME DEFINITION AT RELATE TO AN LU						
(28)	CHARACTER	1	LU6EXIST	VALUES PRESENT IN FMH			
	1		LU6DPNX	"X'80" DPN PRESENT			
	.1		LU6PRNX	"X'40" PRN PRESENT			
	1		LU6RDPNX	"X'20" RDPN PRESENT			
	1		LU6RPRNX	"X'10" RPRN PRESENT			
(00)	1	_	LU6DQNX	"X'08" DQN PRESENT *			
(29)	CHARACTER	8	LUGDPN	VALUE PUT IN FMHATDRN			
(31)	CHARACTER	8	LU6PRN	VALUE PUT IN FMHATPRN			
(39) (41)	CHARACTER CHARACTER	8 8	LU6RDPN LU6RPRN	VALUE PUT IN FMHARDPN VALUE PUT IN FMHARPRN			
				VALUE PUT IN FMHATPRN VALUE PUT IN FMHATDQN *			
LA	(49) CHARACTER 8 LU6DQN VALUE PUT IN FMHATDQN * LASTLY COME DEFINITIONS FOR FIELDS THAT RELATE TO WHAT HAS BEEN DONE TO THE DATA						
	CHARACTER	1	ETCBPRE	IF SET, PREPARE HEADER DATA IS VALID AND CAN BE FOUND IN THE ETCB			
(51) (52)	CHARACTER	1	ETCBPRE ETCBLU6	IF SET, PREPARE HEADER DATA IS VALID AND CAN BE FOUND IN THE ETCB			
(52)	CHARACTER	1	ETCBLUC	IF SET, LU6 ATTACH HEADER DATA IS VALID AND CAN BE FOUND IN THE ETCB			
(53)	CHARACTER	1	ETCBEUC	IF SET, DATA RETURNED TO CALLER CONTAINS ONE OR MORE FMHS			
(55)	CHARACTER	1	ETCBERR	IF SET, FMH IS NOT CONTAINED WITHIN THE SPECIFIED DATA LIMITS			
(58)	DBL WORD	8	ETCBEND (0)	The state of the state			
(30)	.1	ŭ	ETCBCLR	"*-ETCBID" LENGTH OF DATA IN CONTROL BLOCK THAT IS CLEARED WHEN AN ETCB			
	.1.1		ETCBLEN	IS FREED "*-ETCBFCHN" OVERALL LENGTH OF AN ETCB CONTROL BLOCK			
				1.11. The Grand Land of the Life Continue Decon			

FCE File control EXEC argument list

```
CONTROL BLOCK NAME = DFHFCEDS
DESCRIPTIVE NAME = CICS EXEC argument list for File Control PRODUCT SENSITIVE PROGRAMMING INTERFACES
  The following fields are part of the Product-Sensitive
  Programming Interface.
        FC_ADDR0
        FC_ADDR1
        FC_ADDR2
FC_ADDR3
        FC_ADDR4
        FC_ADDR5
        FC_ADDR6
        FC_ADDR7
        FC_ADDRB
        FC_GROUP
        FC FUNCT
        FC_BITS1
        FC_BITS2
        FC_EIDOPT5
        FC_EIDOPT6
        FC_EIDOPT7
        FC EIDOPT8
        FC_FILE
        FC_SET
        FC_INTO
        FC_FROM
        FC_LENGTH
        FC_NUMREC
        FC REQID
        FC RIDFLD
        FC_KEYLENGTH
        FC_RNP_REQID
        FC_SYSID
        FC_IND1
FUNCTION =
   To define fields that may be of use to File Control User
   Exits:-
    (1) The Command Level Parameter List.
    (2) EIBRCODE, EIBRESP and EIBRESP2 values.
    (3) The byte of File Control Indicators.
   On entry to the XFCREQ and XFCREQC User exits, the EXEC
   parameter list is pointed to by UEPCLPS. The EXEC
   parameter list for file control consists of twelve
   addresses.
   The twelve addresses are defined by FC_ADDR0 to FC_ADDRB.
   Only FC_ADDR0 to FC_ADDR7 may be used by user exits, and
   also FC_ADDRB.
   FC_ADDR8 to FC_ADDRA are reserved for CICS internal use
   This DSECT defines FC_ADDR0 to FC_ADDRB and the areas
   that they point to.
   On entry to the XFCREQ and XFCREQC user exits, the copy
   of EIBRCODE is pointed to by UEPRCODE, the copy of EIBRESP
   is pointed by UEPRESP and the copy of EIBRESP2 is pointed
   to by UEPRESP2.
   This DSECT also contains equates for values of EIBRCODE.
   EIBRESP and EIBRESP2 used by File Control.
LIFETIME = Lifetime of the FC command request
STORAGE CLASS = As the storage being mapped is the translated
        source in the user's application program, the
        storage may be either above or below the line.
LOCATION = (1) EXEC Parameter List is addressed by UEPCLPS.
        (2) Fields copied from the EIB are addressed by
           UEPRCODE, UEPRESP and UEPRESP2.
        (3) The token for use in communicating between
           XFCREQ and XFCREQC is addressed by UEPFCTOK.
INNER CONTROL BLOCKS =
   FC_ADDR_LIST declares the EXEC addresses
   FC_EID defines the EID pointed by FC_ADDR0
NOTES
DEPENDENCIES = S/370 ESA
RESTRICTIONS = None
MODULE TYPE = Control Block definition
 The Command Parameter List
FC_ADDR_LIST defines twelve addresses, that form the EXEC
parameter list for File Control. Only FC_ADDR0 to FC_ADDR7
and FC_ADDRB may be referenced by user exits.
In addition, FC_ADDR1 to FC_ADDR7 and FC_ADDRB may be modified by
Any attempt to modify FC_ADDR0 will be ignored.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_ADDR_LIST	EXEC Parameter List
(0)	ADDRESS	4	FC_ADDR0	Address 0
(4)	ADDRESS	4	FC_ADDR1	Address 1
(8)	ADDRESS	4	FC_ADDR2	Address 2
(C)	ADDRESS	4	FC_ADDR3	Address 3
(10)	ADDRESS	4	FC_ADDR4	Address 4
(14)	ADDRESS	4	FC_ADDR5	Address 5
(18)	ADDRESS	4	FC_ADDR6	Address 6
(1C)	ADDRESS	4	FC_ADDR7	Address 7
(20)	ADDRESS	4	FC_ADDR8	CICS Internal Use Only
(24)	ADDRESS	4	FC_ADDR9	CICS Internal Use Only
(28)	ADDRESS	4	FC_ADDRA	CICS Internal Use Only
(2C)	ADDRESS	4	FC_ADDRB	Address 11

FC_EID defines:

- (1) The type of request
- (2) Existence bits indicating which addresses in the EXEC Parameter List are valid.
- (3) Bits to indicate the keywords specified. FC_ADDR0 contains the address of FC_EID.

The following bits may be modified from a File Control user exit.

- (1) Existence bits FC_EXIST3, FC_EXIST5, FC_EXIST6, FC_EXIST7 and FC_EXISTB.
- (2) The keyword descriptors FC_MASSINSERT_X, FC_GENERIC_X, $\label{eq:fc_dteq} \mbox{FC_GTEQ_X, FC_NRI_X, FC_CR_X, FC_RR_X and}$ FC_NO_SUSPEND.

Any attempt to modify any other part of the EID will be ignored.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_EID	EID for File Control
(0)	CHARACTER	1	FC_GROUP	Group Code
	11.		FC_FILE_GROUP	"X'06" All File Control Requests have group code '06'
(1)	CHARACTER	1	FC_FUNCT	Function Code
	1.		FC_READ	"X'02" READ Request
	1		FC_WRITE	"X'04" WRITE Request
	11.		FC_REWRITE	"X'06" REWRITE Request
	1		FC_DELETE	"X'08" DELETE Request
	1.1.		FC_UNLOCK	"X'0A"" UNLOCK Request
	11		FC_STARTBR	"X'0C" STARTBR request
	111.		FC_READNEXT	"X'0E" READNEXT Request
	1		FC_READPREV	"X'10" READPREV Request
	11.		FC_ENDBR	"X'12" ENDBR Request
	1 .1		FC_RESETBR	"X'14" RESETBR Request

The next two bytes contain existence bits for the addresses

in the EXEC parameter list.

For example, FC_ADDR1 should not be used unless FC_EXIST1

is set on.

FC	FC_ADDR0 is always valid and has no existence bit.					
(2)	BITSTRING	1	FC_BITS1	First 8 existence bits		
	1		FC_EXIST1	"X'80" FC_ADDR1 is valid if the command specifies FILE		
	.1		FC_EXIST2	"X'40" FC_ADDR2 is valid if the command specifies INTO, SET or FROM		
	1		FC_EXIST3	"X'20" FC_ADDR3 is valid if the command specifies LENGTH or NUMREC. It is also valid if a		
				STARTBR, RESETBR or ENDBR specifies REQID. This bit may be modified by a user exit.		
	1		FC_EXIST4	"X'10" FC_ADDR4 is valid if the command specifies RIDFLD.		
	1		FC_EXIST5	"X'08" FC_ADDR5 is valid if the command specifies KEYLENGTH. This bit may be modified		
				by a user exit.		
	1		FC_EXIST6	"X'04" FC_ADDR6 is valid if the command is READNEXT or READPREV and it specifies		
				REQID. This bit may be modified by a user exit.		
	1.		FC_EXIST7	"X'02" FC_ADDR7 is valid if the command specifies SYSID. This bit may be modified by a		
				user exit.		
	1		FC_EXIST8	"X'01" CICS Internal Use Only		
(3)	BITSTRING	1	FC_BITS2	Next 8 existence bits		
	1		FC_EXIST9	"X'80" CICS Internal Use Only		
	.1		FC_EXISTA	"X'40" CICS Internal Use Only		
	1		FC_EXISTB	"X'20" FC_ADDRB is valid if the command specifies TOKEN. This may be modified by a user		
				exit.		

The next 5 bytes describe the keywords on the command For example, if FC_MASSINSERT is set on, the command included the MASSINSERT keyword. If FC_MASSINSERT is set off, the command did not include the MASSINSERT keyword.

(4)	BITSTRING	1		Reserved
(5)	BITSTRING	1	FC_EIDOPT5	Options Byte 1
	1		FC_MASSINSERT_X	"X'04" MASSINSERT specified. This bit may be modified by a user exit.
	1.		FC_RRN_X	"X'02" RRN specified
	1		FC_SET_X	"X'01" SET specified
(6)	BITSTRING	1	FC_EIDOPT6	Options byte 2
	1		FC_RBA_X	"X'80'" RBA specified

Offset Hex	Туре	Len	Name (Dim)	Description
	.1		FC_GENERIC_X	"X'40" GENERIC specified. This bit may be modified by a user exit.
	1		FC_GTEQ_X	"X'20" GTEQ specified. This bit may be modified by a user exit.
	1		FC_NRI_X	"X'10" NRI specified. This bit may be modified by a user exit. You should ensure that only one of the three bits for NRI, CR and RR is set.
	1		FC_CR_X	"X'08" CR specified. This bit may be modified by a user exit. You should ensure that only one of the three bits for NRI, CR and RR is set.
	1		FC_RR_X	"X'04" RR specified. This bit may be modified by a user exit. You should ensure that only one of the three bits for NRI, CR and RR is set.
	1.		FC_BRWS_UPD_X	"X'02" Update specified on READNEXT or READPREV request. This bit may not be modified by the user exit.
	1		FC_NO_SUSPEND	"X'01" NOSUSPEND specified on READ, READNEXT, READPREV, WRITE, DELETE, or REWRITE. This bit may be modified by the user exit.
(7)	BITSTRING	1	FC_EIDOPT7	Options Byte 3
	1		FC_UPDATE_X	"X'04" UPDATE specified. WARNING. This bit should only be tested if the command is READ. For all other commands it has no meaning and may or may not be set depending on the command.
	1		FC_DEBLOCK_X	"X'01" BDAM Deblocking request Either DEBKEY or DEBREC specified EIDOPT8 will specify whether DEBKEY or DEBREC. WARNING. This bit should only be tested if the command is READ or STARTBR. For all other commands this bit has no meaning and it may or may not be set depending on the command.
(8)	BITSTRING 1 .1	1	FC_EIDOPT8 FC_DEBKEY_X FC_DEBREC_X FC_TOKEN_X	Options Byte 4 "X'80" DEBKEY specified "X'40" DEBREC specified "X'20" TOKEN specified

The following definitions define the variables addressed by the remainder of the EXEC parameter list FC_ADDR1 addresses file name

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_DATA1	Addressed by FC_ADDR1
(0)	CHARACTER	8	FC_FILE	file name

FC_ADDR2 addresses either INTO, FROM or SET

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_DATA2	Addressed by FC_ADDR2
(0)	ADDRESS	4	FC_SET	Pointer for SET
(0)	CHARACTER	1	FC_INTO	Data For INTO. The user will need to specify the length.
(0)	CHARACTER	1	FC_FROM	Data For FROM. The user will need to specify the length.

FC_ADDR3 addresses either LENGTH, NUMREC or REQID N.B. FC_ADDR3 only addresses REQID if the command is STARTBR, RESETBR or ENDBR. See FC_ADDR6 if the command is READNEXT or READPREV.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_DATA3	Addressed by FC_ADDR3
(0)	HALFWORD	2	FC_LENGTH	Value Of LENGTH
(0)	HALFWORD	2	FC_NUMREC	Value Of NUMREC
(0)	BITSTRING	2	FC_REQID	Value Of REQID if command is STARTBR or ENDBR or RESETBR

FC_ADDR4 addresses RIDFLD

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_DATA4	Addressed by FC_ADDR4
(0)	CHARACTER	1	EC. RIDELD	Area For RIDELD. The user will need to specify the length

FC_ADDR5 addresses KEYLENGTH

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_DATA5	Addressed by FC_ADDR5
(0)	HALFWORD	2	FC_KEYLENGTH	Area For KEYLENGTH.

FC_ADDR6 addresses REQID if the command is READNEXT or READPREV. N.B. See FC_DATA3 if the command is STARTBR or RESETBR or ENDBR.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_DATA6	Addressed by FC_ADDR6
(0)	BITSTRING	2	FC_RNP_REQID	Area For REQID if the command is READNEXT or READPREV

FC_ADDR7 addresses SYSID

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			FC_DATA7	Addressed by FC_ADDR7
(0)	CHARACTER	4	FC_SYSID	Area For SYSID

FC_ADDRB addresses TOKEN

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			FC_DATAB	Addressed by FC_ADDRB
(0)	CHARACTER	4	FC_TOKEN	Area for TOKEN

Start of general use programming interface. EIBRCODE, EIBRESP and EIBRESP2

Fountees for EIBRCODE values used by File Control

Equate	Equates for EIBRCODE values used by File Control							
(4)	BITSTRING 1	6	FC_OK_EIBRCODE FC_FILENOTFOUND_ EIBRCODE	ОК				
				"X'01'" File not Found				
	11		FC_LOCKED_ EIBRCODE	"X'03'" LOCKED				
	1.1		FC_RECORDBUSY_ EIBRCODE					
				"X'05'" RECORDBUSY				
	11.		FC_CHANGED_ EIBRCODE					
				"X'06'" CHANGED				
	1 1		FC_NOTFND_ EIBRCODE	"X'81'" NOTFND				
	11.		FC_DUPREC_ EIBRCODE	"X'82'" DUPREC				
	11		FC_DUPKEY_ EIBRCODE	"X'84'" DUPKEY				
	1		FC_INVREQ_ EIBRCODE	"X'08'" INVREQ				
	1		FC_IOERR_ EIBRCODE	"X'80'" IOERR				
	111		FC_NOSPACE_ EIBRCODE					
				"X'83'" NOSPACE				
	11		FC_NOTOPEN_ EIBRCODE					
				"X'0C'" NOTOPEN				
	1111		FC_ENDFILE_ EIBRCODE					
				"X'0F'" ENDFILE				
	1.		FC ILLOGIC EIBRCODE					
				"X'02" ILLOGIC				
	1111		FC LENGERR EIBRCODE					
				"X'E1" LENGERR				
	11.1		FC SYSIDERR EIBRCODE					
				"X'D0'" SYSIDERR				
	11.11		FC ISCINVREQ EIBRCODE					
				"X'D1'" ISCINVREQ				
	11.1 .11.		FC NOTAUTH EIBRCODE					
				"X'D6"" NOTAUTH				
	11.1		FC SUPPRESSED	A DO HOMO!!!				
			EIBRCODE					
				"X'85" SUPPRESSED				
	11.1		FC DISABLED EIBRCODE	ACC COLLINEOUED				
			I O_DIGNOLLD_ LIBINOODL	"X'0D'" DISABLED				
				A OD DIGABLED				

Offset Hex	Туре		Len	Name (Dim)	Description
TIEX	1	.11.		FC_LOADING_ EIBRCODE	"X'86" LOADING
Equate	s for EIBF	RESP values u	sed by Fil	e Control	
		11		FC_OK_EIBRESP FC_FILENOTFOUND_ EIBRESP	"00" OK
		11.1		EC NOTEND EIRDESD	"12" File Not found "13" NOTFND (Record not found)
		111.		FC_NOTFND_ EIBRESP FC_DUPREC_ EIBRESP	"14" DUPREC
		1111		FC_DUPKEY_ EIBRESP	"15" DUPKEY
		1		FC_INVREQ_ EIBRESP FC_IOERR_EIBRESP	"16" INVREQ "17" IOERR
	1	1.		FC_NOSPACE_ EIBRESP	"18" NOSPACE
		11		FC_NOTOPEN_ EIBRESP FC ENDFILE EIBRESP	"19" NOTOPEN
		.1.1		FC_ILLOGIC_ EIBRESP	"20" ENDFILE "21" ILLOGIC
		.11.		FC_LENGERR_ EIBRESP	"22" LENGERR
	11	.1.1		FC_SYSIDERR_ EIBRESP	"53" SYSIDERR
	11	.11.		FC_ISCINVREQ_ EIBRESP	
	1	.11.		FC_NOTAUTH_ EIBRESP	"54" ISCINVREQ "70" NOTAUTH
		1		FC_SUPPRESSED_ EIBRESP	70 NOTAGITI
					"72" SUPPRESSED
	.1.1	.1		FC_DISABLED_ EIBRESP	"84" DISABLED
		111.		FC_LOADING_ EIBRESP	"94" LOADING
		.1		FC_LOCKED_ EIBRESP FC_RECORDBUSY	"100" LOCKED
	•11.			EIBRESP	
	11	11		FC CHANGED EIBRESP	"101" RECORDBUSY "105" CHANGED
Fauste		RESP2 values	used by F		100 OTANGED
not all o	f the EIBR ; for exam	ESP2 values to ple, not all of	for a given the EIBRE	order. This can mean that I EIBRESP are listed SP2 values for NOSPACE re are other EIBRESP2	
values v	vithin that	numerical ranç	je.		
		1		FC_OK_EIBRESP2 FC_FILENOTFOUND_ EIBRESP2	"0" OK
		1.1.		FC_LENGERR10_ EIBRESP2	"1" File not Found
		1.11		FC_LENGERR11_ EIBRESP2	"10" No variable length
		11		FC_LENGERR12_ EIBRESP2	"11" Buffer too small (on read request)
		11.1		FC_LENGERR13_ EIBRESP2	"12" Record too large (on write request)
		111.		FC_LENGERR14_ EIBRESP2	"13" Buffer length not file len. (read)
	1	.1		FC_INVREQ20_ EIBRESP2	"14" Record length not file len. (write)
	1	.1.1		FC_INVREQ21_ EIBRESP2	"20" Servreq violation
	1	.11.		FC_INVREQ22_ EIBRESP2	"21" ESDS Delete "22" Conorio delete net KSDS
	1	.111		FC_INVREQ23_ EIBRESP2	"22" Generic delete not KSDS "23" Ridfld Key not record key
	1	1		FC_INVREQ24_ EIBRESP2	"24" Readprev in generic browse
		11		FC_INVREQ25_ EIBRESP2	"25" Generic key too long
		1.1.		FC_INVREQ26_ EIBRESP2	"26" Full key wrong length
		1.11		FC_INVREQ27_ EIBRESP2	"27" BDAM delete
		11.1		FC_INVREQ28_ EIBRESP2 FC_INVREQ29_ EIBRESP2	"28" Two READ UPDATEs without TOKEN
		111.		FC_INVREQ30_ EIBRESP2	"29" Reserved
		1111		FC_INVREQ31_ EIBRESP2	"30" Rewrite before read update
	1.			FC_INVREQ32_ EIBRESP2	"31" Delete before read update
					"32" Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
	1.	1	FC_INVREQ33_ EIBRESP2	"33" Duplicate REQID
	1.	1.	FC_INVREQ34_ EIBRESP2	"34" Unknown REQID Readnext
	1.	11	FC_INVREQ35_ EIBRESP2	"35" Unknown REQID Endbr
	1.	.1	FC_INVREQ36_ EIBRESP2	"36" Unknown REQID Resetbr
	1.	.1.1	FC_INVREQ37_ EIBRESP2	"37" Illegal key type change
	1.	.11.	FC_INVREQ38_ EIBRESP2	"38" BDAM Write Massinsert
	1.	.111	FC_INVREQ39_ EIBRESP2	"39" BDAM Readprev
	1.	1	FC_INVREQ40_ EIBRESP2	"40" BDAM Key Conversion
	1.	11	FC_INVREQ41_ EIBRESP2	"41" Unknown REQID Readprev
	1.	1.1.	FC_INVREQ42_ EIBRESP2	
	1.	1.11	FC_INVREQ43_ EIBRESP2	"42" Keylength negative
	1.	11	FC_INVREQ44_ EIBRESP2	"43" SEGSET Specified (obsolete funct'n)
	1.	11.1	FC_INVREQ45_ EIBRESP2	"44" Not in data table subset
	1.	111.	FC_INVREQ46_ EIBRESP2	"45" INVREQ from remote system
	1.	1111	FC_INVREQ47_ EIBRESP2	"46" BDAM length change
	11		FC_INVREQ48_ EIBRESP2	"47" Invalid TOKEN suppied
	11	1.	FC_DISABLED_ EIBRESP2	"48" Reserved
	11	11	FC_INVREQ51_ EIBRESP2	"50" DISABLED
	11	.1	FC_INVREQ52_ EIBRESP2	"51" RBA access to RLS KSDS
	11	.1.1	FC_INVREQ53_ EIBRESP2	"52" CR specified, but file not RLS
	11	.11.	FC_INVREQ54_ EIBRESP2	"53" RR specified, but file not RLS
	11	.111	FC_INVREQ55_ EIBRESP2	"54" Browse request specified UPDATE, but file is not RLS
	11	1	FC_INVREQ56_ EIBRESP2	"55" A command specified NOSUSPEND but the file was not a VSAM file open in RLS mode.
	11	11	FC_NOTOPEN_ EIBRESP2	"56" Unit of work cannot make updates to any more recoverable coupling facility data tables
	.1	.11.	FC_ISCINVREQ_ EIBRESP2	"60" NOTOPEN
	.1.1		FC_NOTFND_ EIBRESP2	"70" ISCINVREQ "80" NOTFND
	.1.1	1.1.	FC_ENDFILE_ EIBRESP2	"90" ENDFILE
	.11.	.1	FC_NOSPACE_ EIBRESP2	"100" NOSPACE
	.11.	.1.1	FC_NOTAUTH_ EIBRESP2	"101" NOTAUTH
	.11.	.11.	FC_TABLE_ FULL_EIBRESP2	
	.11.	.111	FC_STORE_	"102" NOSPACE - Data table full
			FAIL_EIBRESP2	"103" NOSPACE - GETMAIN fail
	.11.	1	FC_LOADING_ EIBRESP2	"104" LOADING
	.11.	11	FC_SUPPRESSED_ EIBRESP2	18. 29. BING
	.11.		FC_LOCKED_ EIBRESP2 FC_RECORDBUSY_ EIBRESP2	"105" SUPPRESSED "106" LOCKED
	.11.	11	FC_CFDTPOOL_ FULL_EIBRESP2	"107" RECORDBUSY
	.11.	11.1	FC_CHANGED_ EIBRESP2	"108" NOSPACE - CFDT pool full
	.11.	111.	FC_ILLOGIC_ EIBRESP2	"109" Record CHANGED since read upd
	.111		FC_IOERR_ EIBRESP2	"110" ILLOGIC "120" IOERR
	1		FC_SYSIDERR_ EIBRESP2	"130" SYSIDERR
	1	11	FC_CFDT_ SYSIDERR_EIBRESP2	"131" SYSIDERR - CFDT server failed

Offset Hex	Туре	Len	Name (Dim)	Description	
	11		FC_CFDT_		
			NOTABLE_EIBRESP2		
				"132" SYSIDERR - CF data table gone	
	1 11		FC_DUPKEY_ EIBRESP2	"140" DUPKEY	
	11 .11.		FC_DUPREC_ EIBRESP2	"150" DUPREC	
End of	general use progran	nming interfa	ce.		

FCENT File control transformer table entries

MACRO NAME = DFHFCENT DESCRIPTIVE NAME = CICS Transformer File Control Operation Table Entry DSECT. This DSECT describes the entries in the FC operation table that is maintained by the transformer (DFHXFX or DFHXFP).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHFCENT	j
(0)	FULLWORD	4	FCENTEYE (2)	EYECATCHER - II>FCENT (II=length)
	1		FCENTBEG	"*" BEGINNING OF ENTRY
(8)	ADDRESS	4	FCCHAIN	ADDRESS OF NEXT ENTRY
(C)	CHARACTER	4	FCSYSNM	NAME OF SYSTEM OWNING FILE
(10)	CHARACTER	8	FCDSNAM	FILE NAME ON REMOTE SYSTEM
(18)	HALFWORD	2	FCREQID	REQID
(1A)	HALFWORD	2	FCRIDLEN	KEYLENGTH
(1C)	ADDRESS	4	FCRIDFLD	ADDR OF RIDFLD
(20)	ADDRESS	4	FCBUFFAD	ADDR OF BUFFER FOR READ SET
(24)	HALFWORD	2	FCBUFFLN	LGTH OF BUFFER FOR READ SET
(26)	CHARACTER	1	FCFLAGS1	FIRST FLAG BYTE
(27)	CHARACTER	1	FCFLAGS2	SECOND FLAG BYTE
(28)	FULLWORD	4	(0)	MAKE LENGTH MULTIPLE OF 4
	1. 1		FCLEN	"*-DFHFCENT" LENGTH OF FC OPERATION ENTRY

FCLGC File control log record format

```
CONTROL BLOCK NAME = DFHFCLGC
DESCRIPTIVE NAME = CICS (FC) File Control Part of Log Record
FUNCTION =
   This describes the format of File Control's part of log
   records written to the system log for backout, log records
   written to forward recovery logs and autojournal records
   written to autojournals.
LIFETIME =
   This just describes the layout of log and journal records
   so does not have any particular lifetime.
LOCATION =
   Log and journal records are built in LIFO storage by
   module DFHFCLJ.
STORAGE CLASS =
   Since log and journal records are built in DFHFCLJ's LIFO
   this is CICS storage class.
INNER CONTROL BLOCKS =
  None
NOTES:
DEPENDENCIES = S/390
RESTRICTIONS = None
MODULE TYPE = Control block definition
 All fields contained in this DSECT may be used to interpret
 CICS log and journal records and as such form part of the
 General-Use Programming Interface.
EXTERNAL REFERENCES =
    None.
 DATA AREAS =
   None
 CONTROL BLOCKS =
    None.
 GLOBAL VARIABLES (Macro pass) =
```

FLJB - File Log and Journal Block

The FLJB forms the basis of the data that File Control writes as part of its log and journal records. The FLJB is, in general, built from two parts, one part which contains data that mostly applies to all log and journal records, and a second part which contains data specific to the type of record. All log and journal records have data specific to the type of record.

The FLJB is always written to the log or journal (as appropriate), but there may also be some variable length data written immediately after the fixed length parts of the FLJB. Precisely what variable length data is written depends on the record type. The resulting log and journal records for each record type are described below.

Note that what follows is a description of only what File Control writes to the log or journal. In practice these records themselves also have a header prepended to them, either by the CICS Logger (in the case of autojournal and forward recovery records) or by the Recovery Manager (for all system log records).

The format of File Control's part of log and journal records written for read only, read update, write update, and write add, and journal records written for the write add complete record type, is as shown below. The respective length of each block is also indicated.

- o fljb_general_data of length length(fljb_general_data), followed by:
- o fljb_common_data of length length(fljb_common_data), followed by:
- o fljb_cd_key of length fljb_cd_key_length, followed by:
- o fljb_cd_data of length fljb_cd_data_length.

The format of File Control's part of log records written for the write add complete record type, is as shown below. The respective length of each block is also indicated.

- o fljb_general_data of length length(fljb_general_data), followed by:
- o fljb_common_data of length length(fljb_common_data). The format of File Control's part of log and journal records written for write delete is shown below. The respective length of each block is also indicated.
- o fljb_general_data of length length(fljb_general_data), followed by:
- o fljb_write_delete_data of length length(fljb_write_delete_data), followed by:
- o fljb_wdd_base_key of length fljb_wdd_base_key_length, followed by:
- o fljb_wdd_path_key of length fljb_wdd_path_key_length. The format of File Control's part of log and journal records written for file close is shown below. This record is one of the simplest of all the log and journal records. It just contains the general data block followed by data specific to file close. The respective length of each block is indicated alongside. There are no variable length records in the file close record.
- o fljb_general_data of length length(fljb_general_data), followed by:
- o fljb_file_close_data of length length(fljb_file_close_data). The format of File Control's part of tie up records is shown below. The respective length of each block is indicated alongside.
- There are no variable length records in the tie up record. o fljb_general_data of length length(fljb_general_data),
- followed by:
 o fljb_tie_up_record of length length(fljb_tie_up_record)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	FLJB_GENERAL_DATA	
(0)	CHARACTER	1	FLJB_RECORD_TYPE	80: read only 81: read update record 82: write update record 83: write add record 84: write add complete 86: write delete record 8E: file close record 8F: tie up record
(1)	BITSTRING	1	FLJB_BITS	general flag byte
	1		FLJB_AUTOJOURNAL	ON: autojournal record OFF: otherwise
	.1		FLJB_FWD_ RECOVERY	ON: forward recovery log record OFF: otherwise
	1		FLJB_SYSTEM_LOG	ON: system log record OFF: otherwise
	1		FLJB_LOG_ OF_LOGS	ON: log of logs record OFF: otherwise
	1111		*	reserved
(2)	CHARACTER	8	FLJB_FILE_NAME	name of the file which this record applies to
(A)	CHARACTER	2	*	reserved

Common data for read only, read update, write update, write add and write add complete.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	FLJB_COMMON_DATA	
(0)	UNSIGNED	4	FLJB_CD_ BASE_ESDS_RBA	
				base RBA of ESDS, or 0 if not an ESDS
(4)	HALFWORD	2	FLJB_CD_ KEY_LENGTH	length of the key for the users data
(6)	CHARACTER	2	*	reserved
(8)	FULLWORD	4	FLJB_CD_ DATA_LENGTH	
				length of the users data (This could be fixed(15) but allow for future expansion plans.)
(C)	BITSTRING	1	FLJB_CD_BITS	common flag byte
	1		FLJB_CD_SHUNTED	ON: uow has been shunted OFF: otherwise
	.1		FLJB_CD_ MASS_INSERT	
				ON: write mass insert when write add or write add complete OFF: otherwise
	1		FLJB_CD_ MI_FIRST	ON: first write add complete in mass insert sequence
	1		FLJB_CD_MI_LAST	ON: end of mi sequence WRTBFR/ENDREQ was successful.
	1		FLJB_CD_ FIXED_RECFM	
				ON: Fixed length record OFF: Variable length record.
	111		*	reserved
(D)	CHARACTER	3	*	reserved

Write delete data

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	FLJB_WRITE_ DELETE_DATA	
(0)	UNSIGNED	4	FLJB_WDD_	
			BASE_ESDS_RBA	
(4)	LIAI EMODD		EL ID WIDD	base RBA of ESDS, or 0 if not an ESDS
(4)	HALFWORD	2	FLJB_WDD_ BASE KEY LENGTH	
			BAGL_KLT_LLNGTT	length of base key
(6)	HALFWORD	2	FLJB WDD	longar or baco noy
(-/			PATH_KEY_LENGTH	
				length of path key, or 0 if not a path
(8)	BITSTRING	1	FLJB_WDD_BITS	write delete flag byte
	1		FLJB_WDD_ SHUNTED	ON: uow has been shunted OFF: otherwise
	.1		FLJB_WDD_	
			FIXED_RECFM	ON E: 11 4 1055 W : 11 1 4
	11 1111		*	ON: Fixed length record OFF: Variable length record. reserved
(0)	CHARACTER	3	*	reserved
(9)	CHARACTER	3		reserved

File close data

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	28	FLJB_FILE_ CLOSE_DATA	
(0)	CHARACTER	26	FLJB_FCD_ FWDRECOVLOG_NAME	
				forward recovery log stream name
(1A)	BITSTRING 1	1	FLJB_FCD_BITS FLJB_FCD_ FWD_RECOVERY	file close flag byte
				ON: forward recovery was specified for this file OFF: otherwise
	.1		FLJB_FCD_ AUTOJOURNAL	, i
				ON: autojounalling was specified for this file OFF: otherwise
	11 1111		*	reserved
(1B)	CHARACTER	1	*	reserved

Tie up record data

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	136	FLJB_TIE_ UP_RECORD	
(0)	FULLWORD	4	FLJB_TUR_ BASE_CI_SIZE	
				CI size of base dataset
(4)	FULLWORD	4	FLJB_TUR_	
			MAXIMUM_LRECL	
				maximum record length

Offset Hex	Туре	Len	Name (Dim)	Description
(8)	FULLWORD	4	FLJB_TUR_ BASE_KEY_POSITION	
(C)	HALFWORD	2	FLJB_TUR_ BASE_KEY_LENGTH	position of base key within the record
(E)	CHARACTER	1	FLJB_TUR_ DATASET_TYPE	length of base key
(F)	CHARACTER	1	FLJB_TUR_ RECORD FORMAT	type of dataset: K=KSDS, E=ESDS, P=path, R=RRDS or V=VRRDS
(10)	HALFWORD	2	FLJB_TUR_ BASE DSNAME LENGTH	format of records: V=variable, F=fixed
(12)	CHARACTER	44	FLJB_TUR_ BASE_DSNAME	length of base dataset name
(3E)	HALFWORD	2	FLJB_TUR_ PATH_DSNAME_ LENGTH	base dataset name
(40)	CHARACTER	44	FLJB_TUR_ PATH_DSNAME	length of path dataset name path dataset name
(6C)	CHARACTER	26	FLJB_TUR_ FWDRECOVLOG_NAME	
(86)	BITSTRING 1	1	FLJB_TUR_BITS FLJB_TUR_RLS FLJB_TUR_OPEN FLJB_TUR_	forward recovery log stream name tie up flag byte ON: this was an RLS file OFF: otherwise ON: tie up record written on open OFF: otherwise
	1		TAKE_KEYPOINT FLJB_TUR_ DATASET COPY	ON: tie up record written for take keypoint request (non-RLS only) OFF: otherwise
	1		FLJB_TUR_	ON: tie up record written for DSS copy of dataset (RLS only) OFF: otherwise
	1		FWD_RECOVERY FLJB_TUR_	ON: forward recovery was specified for this file OFF: otherwise
(87)	11 CHARACTER	1	AUTOJOURNAL * *	ON: autojounalling was specified for this file OFF: otherwise reserved reserved

Constants

Len	Type	Value	Name	Description
1	HEX	80	FLJB_READ_ONLY	
1	HEX	81	FLJB_READ_UPDATE	
1	HEX	82	FLJB_WRITE_UPDATE	
1	HEX	83	FLJB_WRITE_ADD	
1	HEX	84	FLJB_WRITE_	
			ADD_COMPLETE	
1	HEX	86	FLJB_WRITE_DELETE	
1	HEX	8E	FLJB_FILE_CLOSE	
1	HEX	8F	FLJB_TIE_UP	

FCS File control static storage

CONTROL BLOCK NAME = DFHFCSPS
DESCRIPTIVE NAME = CICS/ESA File Control static storage area
FUNCTION = Maps file control static storage
LIFETIME = Created by FCIN1 at CICS initialisation. Survives until CICS termination. STORAGE CLASS = FC_ABOVE LOCATION = Above the 16MB line, addressed by CSAFCSBA INNER CONTROL BLOCKS = IFGSYSNM (RLS Subsystem Name) NOTES : DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition File Control Static Storage Layout

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	704	FC_STATIC_STORAGE	FC Static Storage
Sta	andard prefix			
(0) (0)	CHARACTER HALFWORD	16 2	FC_STATIC_PREFIX FC_STATIC_ STORAGE_LENGTH	Length of storage
(2) (3) (6)	CHARACTER CHARACTER CHARACTER	1 3 2	FC_STATIC_ARROW FC_STATIC_DFH FC_STATIC_ DOMAIN_ID	> FC Static Arrow * DFH
(8)	CHARACTER	8	FC_STATIC_ BLOCK_ID	FC STATIC
Sto	orage subpool tokens			
(10)	CHARACTER	8	FC_SUBPOOL_	
(18)	CHARACTER	8	TOKEN_CICS_BELOW FC_SUBPOOL_	FC CICS stg below 16M
(20)	CHARACTER	8	TOKEN_VSAM FC_SUBPOOL_	VSAM FCT entry storage
(28)	CHARACTER	8	TOKEN_BDAM FC_SUBPOOL_	BDAM FCT entry storage
(30)	CHARACTER	8	TOKEN_SHRCTL FC_SUBPOOL_	SHRCTL block storage
(38)	CHARACTER	8	TOKEN_DSNAME FC_SUBPOOL_ TOKEN_ACB	DSNAME block storage
(40)	CHARACTER	8	FC_SUBPOOL_ TOKEN_DCB	VSAM ACB storage
(48)	CHARACTER	8	FC_SUBPOOL_ TOKEN_AFCTE	BDAM DCB storage
(50)	CHARACTER	8	FC_SUBPOOL_ TOKEN_FRAB	AFCT entry storage
(58)	CHARACTER	8	FC_SUBPOOL_ TOKEN_FLAB	FRAB subpool token
(60)	CHARACTER	8	FC_SUBPOOL_ TOKEN_ABOVE	FLAB subpool token
(68)	CHARACTER	8	FC_SUBPOOL_ TOKEN_FRTE	Storage above 16M
(70)	CHARACTER	8	FC_SUBPOOL_ TOKEN_FFLE	FRTE subpool token
(78)	CHARACTER	8	FC_SUBPOOL_ TOKEN_RPL	FFLE Subpool token RPL subpool
(80)	CHARACTER	8	FC_SUBPOOL_ TOKEN_FLLB	FLLB subpool token
(88)	CHARACTER	8	FC_SUBPOOL_ TOKEN_FCPE	
(90)	CHARACTER	8	FC_SUBPOOL_ TOKEN_IFGLUWID	FCPE subpool token

Offset	Туре	Len	Name (Dim)	Description
Hex				IFGLUWID pool
(98)	CHARACTER	8	FC_SUBPOOL_ TOKEN_FCPW	0205 peo.
(40)	OLIADAOTED	0		FCPW subpool token
(A0)	CHARACTER	8	FC_SUBPOOL_ TOKEN_FCUP	
(A8)	CHARACTER	8	*	FCUP subpool token Reserved for subpool
(B0)	CHARACTER	8	*	Reserved for subpool
	e Control restart comp			
	mplete successfully?		environment rebuilt OK?	
(B8)	FULLWORD	4	FCSRSCMP	Restart completion flags
(B8)	BITSTRING 1	1	* FCSCMPLT	FC restart complete
	.1		FC_NO_ENVIRONMENT	·
	1		FC_OFFSITE_ RESTART	FC restart failed to rebuild FC environment
	1 1111		*	An offsite restart has been specified in order to perform remote site recovery reserved
(B9)	BITSTRING	3	*	ieseiveu
(BC) (BD)	BITSTRING BITSTRING	1 1	*	Reserved Reserved
	en for business ECB		2 versions)	1,000,100
(BE)	BITSTRING	1	FC_NON_	
. ,			RECOV_ALLOWED_ECB	Non-recoverable work
(BF)	BITSTRING	1	FC_RECOV_	Non-recoverable work
			ALLOWED_ECB	Recoverable work
(C0)	UNSIGNED	2	FC_DFP_REL	DFP release pt. 1
(C2) (C4)	UNSIGNED UNSIGNED	2 4	* FC_DFP_REL_2	Reserved DFP release pt. 2
(C8)	UNSIGNED	4	FC_HSM_REL	Installed HSM release
(CC)	UNSIGNED	4	FC_DSS_REL	Installed DSS release
	IRCTL block vector ta		50 0UDOT: \(\(\(\) \(\) \(\) \(\)	D. A. A. OUDOTI III I
(D0)	ADDRESS unt for connect AFCT	4	FC_SHRCTL_ VECTORS (8)	Pointers to SHRCTL blocks
(F0)	UNSIGNED	4	FC_CONNECT_COUNT	Count for connect
	dresses of FC interfa		. 0_001111201_000111	Countries common
(F4)	ADDRESS	4	FC_AFMT_ADDRESS	AFMT interface address
(F8)	ADDRESS	4	FC_FCMT_ADDRESS	FCMT interface address
(FC) (100)	ADDRESS ADDRESS	4 4	FC_FCRL_ADDRESS FC_FCDN_ADDRESS	FCRL interface address FCDN interface address
(104)	ADDRESS ADDRESS	4	FC_FCFS_ADDRESS	FCFS interface address
(108) (10C)	ADDRESS	4 4	FC_BDAM_	Reserved for address
			ENTRY_ADDRESS	DFHFCBD entry point address
(110)	ADDRESS	4	FC_FCST_ADDRESS	FCST interface address
(114) (118)	ADDRESS ADDRESS	4 4	* FC_FCVR_ENTRY	Reserved for address FCVR entry address
(11C)	ADDRESS	4	FC_FCVS_ADDRESS	FCVS entry address
(120)	ADDRESS	4	FC_FCDY_ADDRESS	FCDY entry address
(124) (128)	ADDRESS ADDRESS	4 4	FC_FCDU_ADDRESS FC FCDT ADDRESS	FCDU entry address FCDT entry address
(12C)	ADDRESS	4	FC_FCAT_ADDRESS	FCAT entry address
(130)	ADDRESS	4	FC_FCSD_ADDRESS	FCSD entry address
(134)	ADDRESS	4	FC_FCRO_ADDRESS	FCRO entry address
(138) (13C)	ADDRESS ADDRESS	4 4	FC_FCRS_ADDRESS FC_FCRV_ADDRESS	FCRS entry address FCRV entry address
(140)	ADDRESS	4	FC_FCRR_ADDRESS	FCRR entry address
(144)	ADDRESS	4	FC_FCCA_ADDRESS	FCCA entry address
(148)	ADDRESS	4	FC_FCRC_ADDRESS	FCRC entry address
(14C)	ADDRESS	4 4	FC_FCIR_ADDRESS FC_FCLJ_ADDRESS	FCIR entry address FCLJ entry address
(150) (154)	ADDRESS ADDRESS	4	FC_FCES_ADDRESS	FCES entry address FCES entry address
(158)	ADDRESS	4	FC_FCQI_ADDRESS	FCQI entry address
(15C)	ADDRESS	4	FC_FCQU_ADDRESS	FCQU entry address
(160)	ADDRESS	4	FC_FCQX_ADDRESS	FCQX entry address
(164)	ADDRESS	4 4	FC_FCLF_ADDRESS	FCDC entry address
(168) (16C)	ADDRESS ADDRESS	4	FC_FCDO_ADDRESS FC_FCFL_ADDRESS	FCDO entry address FCFL entry address
(170)	ADDRESS	4	FC_FCNQ_ADDRESS	FCNQ entry address
(174)	ADDRESS	4	FC_FCDR_ADDRESS	FCDR entry address
(178)	ADDRESS	4	*	Reserved for address
	dress of FRAB free c		FO OTATIO	
(17C)	ADDRESS	4	FC_STATIC_ FRAB_FREE_CHAIN	
				FRAB free chain

Offset Hex	Туре	Len	Name (Dim)	Description						
Ad	Address of FLAB free chain									
(180)	ADDRESS	4	FC_STATIC_ FLAB_FREE_CHAIN	FLAB free chain						
Ad	dress of FRTE free cha	in								
(184)	ADDRESS	4	FC_STATIC_ FRTE_FREE_CHAIN	FRTE free chain address						
Ad	dress of FFLE free cha	in								
(188)	ADDRESS	4	FC_STATIC_ FFLE_FREE_CHAIN	FFLE free chain address *						
Ad	dress of RPL free chair	1								
(18C)				RPL free chain						
Hiç	gh-water-mark for dsnar	ne block nu	umbers							
(190) (194) (198)	FULLWORD FULLWORD UNSIGNED	4 4 1	FC_DSNBLK_HWM FC_QR_COUNT FC_SUBTASKS	QR mode I/O count CO Subtask count						
(199)	CHARACTER	3	FC_TASK_ID	Task id of task to which FC_QR_COUNT applies						
(19C) (1A0) (1A4) (1A8) (1AC) (1AC) (1B0)	ADDRESS	4 4 4 4 4 4	FC_DTTKN FC_DTRGL FC_DTOC FC_DTLD FC_DTLOC FC_DT_READ FC_DT_MOD	Data table services global token Data table recovery global token Data table OPEN/CLOSE service Data table LOAD Data table LOCATE Data table READ Data table MODIFY						
(1B4)	ADDRESS	4	FC_DT_LOG	Data table LOG						
(1B8)	ADDRESS	4	FC_DT_USE	Data table USE						
	clarations for IO Buffers									
(1BC)	ADDRESS ad of chain of FRABs	4	FC_BUFFER_BASE	Buffer pool base						
(1C0)	ADDRESS	4	FC_FRAB_CHAIN	Head of FRAB chain						
He	ad of chain of Pool Elei	ments								
(1C4)	ADDRESS	4	FC_POOL_ ELEM_CHAIN	Head of Pool Elem Chain						
FC FC wri Se fail FC FC FC	:_FUZZY_ALLOWED se KEYPOINT_TAKEN s te TURS to the FRLOG rvices stub loaded FC_ ed. FC_HSM_BACKLE: _DSS_BACKLEVEL se _HSM_DSS_WARNMS :_KEYPOINT_TIME time	et when coret every 30 i. FC_IGW/IGWABWOVEL set what when DSig Msg while of keypoi	NO) - FUZZY BACKUP: rect level of DFP is installed. minutes to signal FCAT to BWO_LOADED set when Callable _LOAD_FAILED set when load en HSM 2.5 not installed. S 2.5 not installed. en HSM/DSS 2.5 not installed. ht when RECOV POINT updated new KPLE added to chain							
(1C8)	FULLWORD BITSTRING	4 1	FC_FUZZY_VALUES							
(1C8)	1	'	FC_FUZZY_ ALLOWED FC_KEYPOINT_ TAKEN	Set when BWO allowed						
	1		FC_IGWABWO_ LOADED	Set every 30 minutes						
	1		FC_IGWABWO_ LOAD_FAILED	Set when load attemped						
	1 1 1.		FC_HSM_ BACKLEVEL FC_DSS_ BACKLEVEL FC_HSM_ DSS_WARNMSG	Set if load fail HSM 2.5 not installed DSS 2.5 not installed						
(1C9) (1CC) (1CC) (1D0) (1D4) (1D8) (1DC)	BITSTRING CHARACTER UNSIGNED UNSIGNED ADDRESS ADDRESS CHARACTER	3 8 4 4 4 4	FC_KEYPOINT_TIME FC_KEYPOINT_WK1 FC_KEYPOINT_WK2 FC_KPLE_CHAIN FC_IGWABWO	HSM/DSS warning message Reserved Reserved Last keypoint time Left word (1bit=1sec) right word Anchor for KPLE chain EP IGWABWO Reserved						
	try point for IGWARLS		EC IOWADI S	ED IOWADI C						
(1E0)	ADDRESS	4	FC_IGWARLS	EP IGWARLS						
(1E8)	charal data table fields	8	FC_DT_LAST_INIT	Time of last attempt to issue AOR DTP_INIT						

Offset Hex	Туре	Len	Name (Dim)	Description
(1E8)	UNSIGNED	4	FC_DT_LH_ LAST_INIT	Late half of alash
(1F0)	ADDRESS	4	FC_DT_2	Left half of clock Entry point for data tables initialization
(1F4)	ADDRESS	4	FC_DT_CLOSE_ CHAIN	Files to be closed
(1F8) (1F9)	BITSTRING BITSTRING	1 1	FC_DT_CLOSE_ECB *	Files to be closed ECB FOR support indicators
(11 0)	1		FC_DT_FOR_ NOSHARING	Tott support indicators
	.1		FC_DT_FOR_	FOR cannot support SDT
			LOGGED_ON	
	1		FC_DT_FOR_ NOTAUTH	FOR logged on FOR not authorized
	1 1111		*	Reserved
(1FA)	BITSTRING 1	1	* FC_DT_AOR_ NOSHARING	AOR support indicators
	1		TC_DT_AON_ NOSHANING	AOR cannot use SDT
(1FB)	.111 1111 BITSTRING	1	*	Reserved Reserved
	ta table fields	•		Reserved
(1FC)	ADDRESS	4	FC_DT_REMOTE_ GLOBAL	
, ,				Remote table services global area
(200) (204)	ADDRESS ADDRESS	4 4	FC_DT_SIGNAL FC_DT_CONNECT	Addr STCK field in ECSA indicating table opens Data table CONNECT
(208)	ADDRESS	4	FC_DT_REMOTE_ READ	Data table SDT read
(20C) (210)	ADDRESS ADDRESS	4 4	FC_DT_REMOTE_USE FC_DT_BF	Data table set user Bind fail chain
	scellaneous RLS fields		10_01_01	Sind tall ordain
(214)	UNSIGNED	2	FC_TIMEOUT	Global timeout value
(216)	BITSTRING	1	*	RLS Indicators
	1		FC_RLS_ ACCESS DISABLED	
			_	All RLS access disabled
	.1 1		FC_CACHE_ MSG_SENT FC_RLS_ SUPPORTED	Cache message sent RLS supported
	1		FC_RLS_	NEO SUPPORTO
			RECOVERY_ONLY	Only recovery work may access RLS
	1		FC_ACUCB_ SUPPORTED	Only recovery work may access NLS
	1		FC_CATALOG_	UCB VSCR supported
			SUPPORTED	
	1.		EC LOB	Non-rls recovery attributes from catalog supported
			FC_LSR_ INCLUDE_RLS_FCTES	
	1		*	Include RLS in build@PGA Reserved
(217)	1 BITSTRING	1	FC_RLS_ LAST_ACB_ECB	Reserved
(240)	ADDDECC	4	EC DIC ACD CHAIN	ECB is posted when the last open RLS ACB is closed.
(218) (21C)	ADDRESS ADDRESS	4 4	FC_RLS_ACB_CHAIN FC_INQRECOV_ ADDRESS	Anchor for chain of open RLS ACBs
	FULLWORD			Address of the most recent INQuire RECOVery Area
(220) (224)	FULLWORD UNSIGNED	4 2	FC_INQRECOV_ LENGTH FC_QUIESTIM	Length of the most recent INQuire RECOVery Area Quiesce timeout value
(226)	CHARACTER	2	*	Reserved for RLS
RL	S Control ACB Area			
(228)	CHARACTER	24	FC_SUBSYSNM	Sub system name
(240) (244)	ADDRESS ADDRESS	4 4	FC_CTL_ ACB_ADDRESS FC_CTL_ ACB_RPL_CHAIN	Control ACB address
				Active RPL chain
(248)	FULLWORD	4	FC_CTL_ ACB_TOTAL_WAITS	
				Total # of string waits
(24C)	FULLWORD	4	FC_CTL_ ACB_CURRENT_WAITS	
				Current # of string waits
(250)	FULLWORD	4	FC_CTL_ ACB_HWM_WAITS	String wait high water mark
(254)	UNSIGNED	2	FC_CTL_	J
			ACB_ACT_STRINGS	Active string count
(256)	BITSTRING	1	FC_CTL_	
			ACB_STRING_ECB	String wait ECB
(257)	BITSTRING	1	FC_CTL_ ACB_UNREG_ECB	
(258)	BITSTRING	1	FC_CTL_	ECB posted when control ACB unregistered
()	- · · · · · - ·	•	ACB_LAST_RQST_ECB	
		<u> </u>		ECB is posted when the last active Control ACB request completes.
			rialisation - ECBs & Flags	
(259)	BITSTRING	1	FC_RESTART_ LOG_SCAN_ECB	
			_50_50205	Restart log scan ECB. Hand-posted when the system log scan at emergency restart ends.

Restart log scan ECB. Hand-posted when the system log scan at emergency restart ends.

Offset Hex	Туре	Len	Name (Dim)	Description
(25A)	BITSTRING	1	FC_DYRRE_	
			COMPLETED_ECB	DVDDE Organists d EOD. Hand a cotted when a through DLO conted considers whether
				DYRRE Completed ECB. Hand-posted when a dynamic RLS restart completes, whether successful or not.
(25B)	BITSTRING	1	*	Restart Flags
	1		FC_DYRRE_	
			IN_PROGRESS	DVDDE in Drawcoo flor. Cat whilet a dimensio DLC restort is in progress, class when are in
				DYRRE in Progress flag. Set whilst a dynamic RLS restart is in progress, clear when one is not.
	.111 1111		*	Reserved
(25C)	FULLWORD	4	FC_SERVER_ SEQUENCE	Sequence number of server. Starts at 1. At first recycle goes to 2 etc.
Uni	used			
(260)	CHARACTER	4	*	Reserved
	nters to VSAM exit li			
			FO VOAM EVIT LIGT DED	
(264)	ADDRESS	4	FC_VSAM_ EXIT_LIST_PTR	VSAM exit list
(268)	ADDRESS	4	FC_RLS_ EXIT_LIST_PTR	VOTATI CAR HOL
, ,				RLS exit list
(26C)	ADDRESS	4	FC_RLS_	
			CTL_EXIT_LIST_PTR	RLS Control ACB exit list
(270)	CHARACTER	4	*	Reserved for exit list
	S Quiesce fields			
		40	FO OUIFOOF DATA	Ovissos Estats
(274) (274)	CHARACTER CHARACTER	40 16	FC_QUIESCE_DATA FC_FCQSE_ CHAIN_DATA	Quiesce fields
(214)	OFFICIONE	10	10_10402_01/114_5/1/14	FCQSE element chain
(274)	ADDRESS	4	FC_FCQSE_FIRST	-> first
(278)	ADDRESS	4	FC_FCQSE_LAST	-> last
(27C)	BITSTRING CHARACTER	4 4	FC_FCQSE_ECB *	Post ECB when adding Reserved for quiesce
(280) (284)	CHARACTER	16	FC_FCQRE_ CHAIN_DATA	Reserved for quiesce
(- /				FCQRE element chain
(284)	ADDRESS	4	FC_FCQRE_FIRST	-> first real
(288)	ADDRESS	4 4	FC_FCQRE_ ISOLATE	-> first isolated
(28C) (290)	BITSTRING ADDRESS	4	FC_FCQRE_ECB FC_FCQRE_ERROR	Post ECB when adding -> error element
(294)	ADDRESS	4	FC_CFQS_ECBLIST	-> CFQS task ECB list
(298)	BITSTRING	1	FC_QUIESCE_ FLAGS	Quiesce flags
	1		FC_CFQS_TERM	=1 to stop CFQS task
	.1 11 1111		FC_CFQR_TERM *	=1 to stop CFQR task Reserved for quiesce
(299)	CHARACTER	3	*	Reserved for quiesce
		nnol tokens. T	hese tokens are for NQ	<u> </u>
			nitialisation. Separate	
	ols are used for reco			
ES	DS write locks etc.			
(29C)	CHARACTER	24	FC_NQ_POOL_ TOKENS	
(29C)	ADDRESS	4	FC_DS_RECORD_	
(2A0)	ADDRESS	4	NQ_POOL_TOKEN FC_FILE_ RECORD_	
(ZAU)	ADDICESS	4	NQ_POOL_TOKEN	
(2A4)	ADDRESS	4	FC_DS_RANGE_	
			NQ_POOL_TOKEN	
(2A8)	ADDRESS	4	FC_DS_LOAD_	
(2AC)	ADDRESS	4	MODE_NQ_ POOL_TOKEN FC_DS_ESDS_	
(ZAU)	ADDITEGO	4	WRITE_NQ_ POOL_TOKEN	
(2B0)	ADDRESS	4	FC_FILE_ UMT_LOAD_	
, ,			NQ_POOL_TOKEN	
(2B4)	FULLWORD	4	FC_CFDT_ LOADER_ID	
Uni	used			
(2B8)	CHARACTER	8	*	Reserved
Enr	d of FC static			
			EC STATIC END	
(2C0)	CHARACTER		FC_STATIC_END	

MACRO NAME: IFGSYSNM DESCRIPTION: Mapping the Subsystem Name Control Block STATUS: Version 1 DFSMS Release 3.0 PROPRIETARY V3 STATEMENT LICENSED MATERIALS - PROPERTY OF IBM "RESTRICTED MATERIALS OF IBM" 5695-DF1 END PROPRIETARY V3 STATEMENT FUNCTION = Mapping macro for SubSystem Name INCLUDED MACROS = NONE METHOD OF ACCESS = PL/X-370 OR ASSEMBLER

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	IFGSYSNM	
(0)	CHARACTER	16	SYSNMHDR	
(0)	CHARACTER	8	SYSNMID	Eye Catcher - IFGSYSNM
(8)	FULLWORD	4	SYSNMLEN	Control Block Length
(C)	UNSIGNED	1	SYSNMVER	Version Identifier
(D)	CHARACTER	3	*	Reserved
(10)	CHARACTER	8	SYSNMVAL	SubSystem Name

Constants

Len 2	Type DECIMAL	Value 36	Name VSAM_EXLST_LENGTH	Description Length of exit list					
Lengt	Length of File Control static storage								
2	DECIMAL	704	FC_STATIC_LENGTH						
Eye	Eye catcher - block id								
8	CHARACTER	STATIC	FC_STATIC_ID						
Max	kimum number of string	s for control ACB							
4	DECIMAL	1024	FC_CTL_ACB_ MAX_STRINGS						
Min	imum DFP release leve	els for RLS support							
2	HEX HEX	3321 01010300	MIN_RLS_DFP_LEVEL1 MIN_RLS_DFP_LEVEL2						
	SYSNM Constants								
8 8 1	CHARACTER CHARACTER DECIMAL	IFGSYSNM 1	SYSNMNUL SYSNMIDC SYSNMVRC	Null Subsys Name Eyecatcher Version					
NQ d	omain ENQ/DEQ pool	names							
8	CHARACTER	FCDSRECD	FC_DS_RECORD_ NQ_POOL_NAME						
8	CHARACTER	FCFLRECD	FC_FILE_RECORD_ NQ_POOL_NAME						
8	CHARACTER	FCDSRNGE	FC_DS_RANGE_ NQ_POOL_NAME						
8	CHARACTER	FCDSLDMD	FC_DS_LOAD_ MODE NQ POOL NAME						
8	CHARACTER	FCDSESWR	FC_DS_ESDS_ WRITE_NQ_POOL_ NAME						
8	CHARACTER	FCFLUMTL	FC_FILE_UMT_ LOAD_NQ_POOL_NAME						

FCT File control table entry layout

```
CONTROL BLOCK NAME = DFHFCTDS
DESCRIPTIVE NAME = CICS/ESA FILE CONTROL TABLE ENTRY LAYOUT
FUNCTION =
    To map an entry in the File Control Table.
    The File Control Table is the principal repository of
    definitions of the database (or FILE) component.
    Other modules access it at their peril.
    Each entry ordinarily matches a call of the DFHFCT macro,
    and describes a database file.
    There is another dsect (DFHFCTSR) to treat shared resource
    pools, which appear in another connected table.
    The following fields form part of the Product Sensitive
    Programming Interface:
          FCTDSID
FCTDSVR1 to FCTDSKL
FCTDSRKP
          FCTDSJID
          Bit settings FCTKSDS,FCTESDS,FCTRRDS of FCTVSVR1
          Bit settings FCTJFR, FCTJWAC of byte FCTDSVR6 FCTDSREC
          FCTDSBLK
          FCTDTSIZ
LIFETIME =
    FCT entries are created at File Control restart and are
    always present thereafter.
STORAGE CLASS =
    Part of the CICS nucleus.
LOCATION =
    By the Table Management Program.
INNER CONTROL BLOCKS =
    None. There are some fields with alternative meanings.
  DEPENDENCIES = S/370
  RESTRICTIONS = Sequence symbols must not coincide with any that
    are used by objects that imbed this; in particular, the
    prefix .FC causes the Assembler to loop.
  MODULE TYPE = Control block definition
             FILE CONTROL TABLE
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHFCTDS	DUMMY SECTION FILE CONTROL TABLE
	FCTE prefix			
(0)	CHARACTER	8	FCTDSID	Dataset identification
(8)	ADDRESS	4	FCTAFCTP (0)	Pointer to AFCT entry
(8)	FULLWORD	4	FCTAFTOK (2)	AF_CONNECT_TOKEN
(10)	FULLWORD	4	FCTFCTKN	FC connect token count part
(14)	ADDRESS	2	FCTDSTEL	Table entry length
	DATA SET CO All 'Capabilities' (as de			
•	· ` ` ` `		<u> </u>	DATA OFT CONTROL INDICATOR 4
(16)	BITSTRING 1 .11.	1	FCTDSVR1 FCTDSRI	DATA SET CONTROL INDICATOR 1 "FCTDSVR1" READ INDICATOR
	1		FCTRDIM	"X'80" READ VALID
	1 .11.		FCTDSUPD	"FCTDSVR1" READ UPDATE INDICATOR
	1		FCTUPDIM	"X'20" UPDATE VALID
	1 .11.		FCTDSADD	"FCTDSVR1" WRITE NEW RECORD INDICATOR
	1		FCTADDIM	"X'10" ADD VALID
	1 .11.		FCTDSDI	"FCTDSVR1" DELETION VALIDITY INDICATOR
	1		FCTDELIM	"X'08" DELETE VALID
	1 .11.		FCTBRWSE	"FCTDSVR1" BROWSE VALIDITY INDICATOR
	1.		FCTBRZIM	"X'02" BROWSE VALID
	DATA SET CON	NTROL IND	ICATOR 2	
Fla	gs relating to structure	e of records	(mainly BDAM)	
(17)	BITSTRING	1	FCTDSVR2	DATA SET CONTROL INDICATOR 2
	1 .111		FCTDSEXC	"FCTDSVR2" EXCLUSIVE CONTROL INDICATOR
	1		FCTEXCIM	"X'80" EXCLUSIVE CONTROL (BDAM)
	.1		FCT_SET_AFTER	"X'40" Acquire SET storage after file request is complete
	1 .111		FCTDSDRT	"FCTDSVR2" DECIMAL RELATIVE TRACK INDICATOR
	1		FCTDRTIM	"X'10" DECIMAL RELATIVE TRACK ACCESSING
	1 .111		FCTDSVLI	"FCTDSVR2" RECORD LENGTH TYPE INDICATOR
	1		FCTVRLIM	"X'08" VARIABLE LENGTH RECORDS
	1		FCTFIXIM	"X'04" FIXED LENGTH RECORDS
	1 .111		FCTDSNBK	"FCTDSVR2" RECORD BLOCKING INDICATOR
	1.		FCTBLKIM	"X'02" BLOCKED RECORDS
	1 .111		FCTDSKEY	"FCTDSVR2" BDAM KEY SEARCH INDICATOR

Offset Hex	Туре	Len	Name (Dim)	Description
	1	EDOL IND	FCTKEYIM	"X'01" KEYED BDAM
	DATA SET CONT Flags defining the			
(18)	BITSTRING 1 1 1 .1	1	FCTDSVR3 FCTDSVSM FCTVSAMI FCTDTBL FCTDTUM	DATA SET CONTROL INDICATOR 3 "FCTDSVR3" VSAM INDICATOR "X'80" VSAM DATA SET "X'40" Data table "X'20" User data table
	1 1 1. 1 1 1		FCTREMOT FCTRLS FCTCFDT FCTDSBDM FCTBDAMI	"X'08" Remote FCTE "X'04" RLS file "X'02" Coupling Facility Data Table "FCTDSVR3" BDAM DATA SET INDICATOR "X'01" BDAM DATA SET
	DATA SET CON Flags to govern journa			
(19)	BITSTRING	1	FCTDSVR4	DATA SET CONTROL INDICATOR 4
	1 11 1 1 11 .1		FCTDSJRO FCTJRO FCTDSJRU FCTJRU FCTDSJWU	"FCTDSVR4" JOURNAL READ ONLYS INDICATOR "X'80" JOURNAL READ ONLYS "FCTDSVR4" JOURNAL READS FOR UPDATE INDICATOR "X'40" JOURNAL READS FOR UPDATE "FCTDSVR4" JOURNAL WRITE UPDATES INDICATOR
	1 1 11 1 1 11 1		FCTJWU FCTDSJWA FCTJWA FCTDSJDS FCTJDSN FCTDSJSY	"X'20" JOURNAL WRITE UPDATES "FCTDSVR4" JOURNAL WRITE ADDS INDICATOR "X'10" JOURNAL WRITE ADDS "FCTDSVR4" DSNAME HAS BEEN JOURNALLED IND "X'08" DSNAME HAS BEEN JOURNALLED "FCTDSVR4" SYNCHRONOUS READS JOURNAL INDICATOR
	1 1 11 1. 1 11 1		FCTJSYN FCTDSJAS FCTJASY FCTDSLOG FCTLOG	"X'04" SYNCHRONOUS READS JOURNAL "FCTDSVR4" ASYNCHRONOUS WRITES JRNL INDICATOR "X'02" ASYNCHRONOUS WRITES JOURNAL "FCTDSVR4" USE SYSTEM LOG INDICATOR "X'01" USE SYSTEM LOG
IF " AR	TM FCTDSTAT,FCTDS	ENI" YIEL THE TASI	R "TRANSITIONAL" CONDITIONS. DS "ONES", THEN I/O REQUESTS K MUST WAIT FOR A DATA SET TO REQ CHECKING.	
(1A)	BITSTRING1 1.1. 11	1	FCTDSTAT FCTDSOPN FCTOPNIM FCTDSOPI FCTDSOPX	File state "FCTDSTAT" (Early-open indicator) "X'80" Data set is to be opened by utility rather than on first reference. "X'40" Data set is open or opening "X'20" OPEN/CLOSE state is transitional
).).	E: 10 OPEN 00 CLOSED 01 CLOSING 11 OPENING			
	1 1 1.		FCTDSCRQ FCTDSENI FCTDSIMP	"X'10" 'CLOSE' has been requested "X'04" Data set is enabled "X'02" Disabled only implicitly via close
	E:10. ENABLED01. DISABLED implici00. DISABLED explici11. (never valid)		OSE	
(1B) (1C)	BITSTRING BITSTRING 1	1	FCTDTCLS FCTDSKL FCTBFLGS FCTBACKO FCTFOPEN FCTCLUN	"X'01" Close data table source Key length Backout Flags "X'80" LOG=Y for this file while open "X'04" Dynamically allocated and the first to be opened "X'02" File closed & marked unena- bled after an open failure
(1D) (1E) (1F) (20)	BITSTRING BITSTRING BITSTRING FULLWORD	1 1 1 4	FCTCFKL FCTLGTKN FCTDSMSW	CFDT user specified keylength Reserved Reserved Autojnl log token from Logger
(24) (25) (26) (28)	BITSTRING BITSTRING ADDRESS BITSTRING DATA SET CON	1 1 2 1	FCTDSPSW FCTDSRKP FCTDSJID	AT MAX STRINGS WAIT BYTE AT PSEUDO MAX STRINGS WAIT BYTE RELATIVE KEY POSITION USER JOURNAL ID
Certai	n conditions that apply t			
(29)	BITSTRING	1	FCTDSVR5	DATA SET CONTROL INDICATOR 5
CONI	DITIONS GIVEN AT TAI	ole-GENE	FCTDPSHR FCTDPOLD	"X'80" "DISP=SHR" FOUND "X'40" "DISP=OLD" FOUND
CONI	DITIONS FOUND WHIL	E PROCES	SSING AN "OPEN" REQUEST -	
	1.		FCTDSDA FCTDSCLX	"X'02" DYNAMICALLY ALLOCATED DATA SET "X'01" CLOSE IN PROGRESS

Offset	Туре	Len	Name (Dim)	Description				
Hex (2A)	BITSTRING	1		Reserved				
	ACCESS - STATE							
Some f	Some flags are defined for in-progress state changes The following three ECBs (or "wait bytes") exist to serialise							
	owing three ECBs (combinations of sta							
them ca	an be WAITing at ar	ny moment, but	any combination may be					
	d (implying present action of the specific		ce of tasks that waited					
	ere is an ECB for se							
(2B)	BITSTRING	1	FCTINPFL	In-progress flags				
	1. 1.11		FCTDINP	"FCTINPFL" Disable in-progress indicator				
(2C)	1 BITSTRING	1	FCTDISIN FCTOPECB	"X'80" Disable is in progress "OPEN" state-change ECB				
(2D)	BITSTRING	1	FCTDIECB	"DISABLE" state-change ECB				
(2E)	BITSTRING BITSTRING	1 1	FCTCLECB FCTDTLDC	"CLOSE" state-change ECB				
(2F)	STATISTI		FCIDILDC	Table load complete				
(00)			FOTDODD	NUMBER OF READ REQUIENTS				
(30) (34)	FULLWORD FULLWORD	4 4	FCTDSRD FCTDSWRA	NUMBER OF READ REQUESTS NUMBER OF ADD RECORD REQS				
(38)	FULLWORD	4	FCTDSWRU	NUMBER OF UPDATE REQUESTS				
(3C)	FULLWORD	4	FCTDSXCP	NO. OF EXCP CALLS TO LAST CLOSE NUMBER OF EXCP REQUESTS TO INDEX				
(40) (44)	FULLWORD FULLWORD	4 4	FCTDSIXP FCTDSGU	COUNT GET UPDATE REQUESTS				
(48)	FULLWORD	4	FCTDSBR	NUMBER OF BROWSE REQUESTS				
(4C) (50)	FULLWORD CHARACTER	4 8	FCTDSBRU FCTOPENT	No. of update browse requests Time file opened				
(50) (58)	ADDRESS	4	FCTDSFRT	Address of a FRTE				
(5C)	FULLWORD	4	FCTDYNAL (0)					
	DYNAMIC A	LLOCATION						
(5C)	ADDRESS	4	FCTDSDP	>-> DSNAME ENTRY FOR DYNAMIC ALLOCATION.				
(60)	ADDRESS	4	FCTDSBCP	>-> DSNAME ENTRY WITH BASE CLUSTER NAME.				
	Buffer pool po							
(64)	ADDRESS FULLWORD	4 4	FCTUSEFF (0)	Pointer to buffer pool header BASE FOR OVERLAYING				
(68)			FCTVSEXT (0)	BASE FOR OVERLATING				
(00)	VSAM EXT		FOTDODINO	DUFFED WAIT OUATH				
(68) (6C)	ADDRESS HALFWORD	4 2	FCTDSBWC FCTDSCBW	BUFFER WAIT CHAIN CURRENT # WAITING FOR BUFFER				
(6E)	HALFWORD	2	FCTDSHBW	HIGHEST # WAITED FOR BUFFER				
(70)	FULLWORD	4	FCTDSTBW	TOTAL # WAITED FOR BUFFER				
(74) (78)	ADDRESS BITSTRING	4 1	FCTVSWA FCTDSDBN	Free VSWAs BUFFER SIZE INDEX FOR DATA BUFFERS				
(79)	BITSTRING	1	FCTDSIBN	BUFFER SIZE INDEX FOR INDEX BUFFERS				
(7A)	BITSTRING .111 1.1.	1	FCTVSVR1	VSAM DATA SET CONTROL IND 1				
	1		FCTDSKSD FCTKSDS	"FCTVSVR1" KSDS INDICATOR "X'80" KEY SEQUENCED DATA SET				
	.111 1.1.		FCTDSESD	"FCTVSVR1" ESDS INDICATOR				
	.1 .111 1.1.		FCTESDS FCTDSSHR	"X'40" ENTRY SEQUENCED DATA SET "FCTVSVR1" SHARED RESOURCES INDICATORS, THAT SIGNIFY CONNECTION WITH				
	.111 1.1.		FCTDSSHK	LSR POOLS				
	1		FCTSHRIM	"X'20" FILE IS NOW SHARING RESOURCES				
	1 .111 1.1.		FCTSHRSP	"X'08"" FILE IS TO USE AN LSR POOL				
	1		FCTDSSGF FCTSHBG	"FCTVSVR1" SHARED STATS COLLECTED FLAG "X'10" STATISTICS HAVE BEEN COLLECTED				
	1		FCTVRRDS	"X'04" Variable RRDS				
	.111 1.1. 1.		FCTDSADR FCTADR	"FCTVSVR1" ADDRESSED ACCESS INDICATOR "X'02" ADDRESSED ACCESS ONLY (SHARE OPTIONS 4 ONLY)				
	.111 1.1.		FCTDSRRD	"FCTVSVR1" RRDS INDICATOR				
	1		FCTRRDS	"X'01" RELATIVE RECORD DATA SET				
(7B)	BITSTRING	1	FCTDSOBJ	VSAM OBJECT TYPE (OR MODE)				
MOD		ROUGH VSAM	(DETERMINED AT OPEN					
	.111 1.11 1		FCTDSPAT	"FCTDSOBJ" AIX PATH INDICATOR				
	.111 1.11		FCTPATH FCTDSALT	"X'10"" AIX PATH + DATASET SHARING "FCTDSOBJ" AIX INDICATOR				
	1		FCTALTIX	"X'08"" ACCESS THROUGH AIX				
(7C)	1 ADDRESS	1	FCTBASE FCTIPOOL	"X'04" ACCESSED AS A BASE LSR POOL IDENTIFIER				
(7C) (7D)	BITSTRING	1	FCTVSVR2	VSAM DS INDICATOR 2				
. ,	1		FCT_IMMCLOSE	"X'80" Immediate close requested				
	.1		FCTDTOPN FCTNODSN	"X'40" Data table is open "X'20" DSN-SHARING NOT TO BE APPLIED IF READ-ONLY				
	1		FCTILFLG	"X'08" DATA SET IS BEING INITIALLY LOADED				
	1		FCTDREUS	"X'04" THE FILE HAS A "REUSE" SERVREQ				
	1. 1		FCTMTYRQ FCTDLFLG	"X'02" "EMPTY" REQUEST IS OUTSTANDING "X'01" VSAM "LOAD" MODE IS IN EFFECT				
		CONTROL INDI		ACT YOUR COAD MODE TO IN ELLECT				
	VSAM only journal							
(7E)	BITSTRING	1	FCTDSVR6	Dataset control indicator 6				
. ,	1		FCTJFR	"X'80" Forward recovery				
	.1		FCTJWAC	"X'40" Write add complete				

Offset Hex	Туре	Len	Name (Dim)	Description			
	1		FCTFUZZY FCTBWO	"X'20" Fuzzy Image Copy Allowed according to FCTE "X'10" BWO allowed for this FCTE set according to FCTE or VSAM Catalog - whichever is being used			
	U X'08' Reserved						
	U X'04' Reserved U X'02' Reserved						
	U X'01' Reserved						
	DATA SET CO VSAM RLS		CATOR 7				
(7F)	BITSTRING	1	FCTDSVR7	RLS bit settings			
	1 .1		FCTCR FCTRR	"X'80" Consistent read "X'40" Repeatable read			
	1		FCTUQENA	"X'20" Re-ENABLE on QUIOPEN			
(80)	1 HALFWORD	2	FCTCQENA FCTDSASC	"X'10" Re-ENABLE on QUICEND Active string count			
(82)	HALFWORD	2	FCTDSCWC	VSAM current string wait count			
THE NE	XT TWO FIELDS CC	NTAIN LIMIT	S, AGAINST WHICH FCTDSAS	C IS TESTED.			
(84)	HALFWORD	2	FCTDSMSC	Upper limit for string count			
(86)	HALFWORD	2 CONTAIN HI	FCTDSPMS STORICAL INFORMATION, CO	Limit for UPDATE/ADD string count			
FOR	JSE IN STATISTICAL	REPORTS					
(88) (8C)	FULLWORD FULLWORD	4 4	FCTDSTSW FCTDSDEL	Total # tasks waited for string Number of DELETEs			
(90)	HALFWORD	2	FCTDSHSW	Highest # tasks waited on string			
(92)	HALFWORD	2	FCTUPSTG	Number of strings required by VSAM during an UPDATE request			
SP AN	THE NEXT FIELD IS THE MAXIMUM RECORD LENGTH SPECIFIED IN THE DEFINITION OF THE VSAM DATA SET AND IS ALSO USED FOR ESTIMATING THE SIZE OF BUFFER REQUIRED FOR LARGE VSAM RECORDS.						
(94)	FULLWORD	4	FCTMAXLN	Maximum record length			
(98)	FULLWORD	4	FCTCFRLN	CFDT user specified reclen			
			EM-PROGRAMMER-SUPPLIED INSERTED IN THE ACB :	VALUES,			
(9C)	HALFWORD	2	FCTBUFND	Specified number of data buffers			
(9E) (A0)	HALFWORD FULLWORD	2 4	FCTBUFNI FCTDSACB	Specified number of index buffers Pointer to VSAM ACB			
(A4)	BITSTRING	1	FCTDSBWE	Buffer wait ECB			
(A5) (A6)	BITSTRING BITSTRING	1 1	FCTFRLOG	Reserved			
(A0) (A7)	BITSTRING	1	FCTVSPWL	Forward recovery log id VSAM password length			
(A8)	CHARACTER	8	FCTVSPWD	VSAM password			
(B0) (B8)	CHARACTER FULLWORD	8 4	FCTBASEN FCTDTSIZ	Symbolic name of base Data table size			
(BC)	ADDRESS	4	FCTDTTKN	Data table token			
(C0)	FULLWORD	4	FCTDTRDS	Data table reads			
(C4) (C8)	FULLWORD FULLWORD	4 4	FCTDTRNF FCTDTAVR	Data table reads via VSAM Data table adds via read			
(CC)	FULLWORD	4	FCTDTADS	Data table adds via API			
(D0)	FULLWORD	4	FCTDTARJ	Data table adds suppressed			
(D4) (D8)	FULLWORD FULLWORD	4 4	FCTDTATF FCTDTRWS	Data table adds and table full Data table rewrites			
(DC)	FULLWORD	4	FCTDTDLS	Data table deletes			
(E0)	FULLWORD	4	FCTDTLDS	Data table LOADING responses			
(E4) (E8)	FULLWORD ADDRESS	4 4	FCTDTSHI FCTDTPTH	Data table record hwm Data table path token			
(EC)	ADDRESS	4	FCTBCCHN	Open file chain			
(F0)	ADDRESS	4	FCT_NEXT_ RLS_FCTE	Address of next file open in RLS mode			
(F4) (F8)	ADDRESS ADDRESS	4 4	FCT_BC_ CONN_CHAIN FCT_RLS_TIMEOUTS	Address of next FCT entry connected to this base Number Of RLS timeouts			
(FC)	CHARACTER	8	FCTDT_NAME	Data Table Name			
(104) (10C)	CHARACTER ADDRESS	8 4	FCTCF_POOL_NAME FCTCF_POOL_ ELEM_ADDR	CFDT Pool Name			
(110)	ADDRESS	4	FCTCF_NEXT_ IN_POOL_CHAIN	Address of pool element			
(114)	FULLWORD	4	FCTCF_DT_TOKEN	Address of next FCT entry open against a CFDT in this pool CFDT Token			
(114)	BITSTRING	1	FCTCF_FLAGS	CFDT Flags Byte			
	1		FCTCF_UM_CONTEN	"X'80" CFDT update model is contention			
	.1 1		FCTCF_LOADREQ FCTCF_SOURCE	"X'40" CFDT requires loading "X'20" CFDT has a source data set			
	1		FCTCF_REOPEN	"X'10" CFDT access needs reopening			
(11C)	FULLWORD	4	FCTCF_LOADER_ID	CFDT loader id			
(120) (120)	CHARACTER	3	FCTVSEL	Reserved "*-DFHFCTDS" Length of VSAM file entry			
(68)	FULLWORD	4	FCTDAEXT (0)	· ·			
	BDAM EXTE						
(68) (6C)	ADDRESS ADDRESS	4 2	FCTDSDCB FCTDSREC	Data Control Block address Record length			

Offset Hex	Туре	Len	Name (Dim)	Description
(6E)	ADDRESS	2	FCTDSBLK	Block size
	.111		FCTNVEL	"*-DFHFCTDS" Length of BDAM file entry

FILE CONTROL TABLE PREFIX

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHFPFDS	TO PRECEDE FIRST FCT ENTRY
(0)	BITSTRING	1	FPFATTR	ATTRIBUTES OF LOCAL FILES SEE DFHFCT FOR SIGNIFICANCE
(1)	BITSTRING	3		RESERVED
(4)	ADDRESS	4	FPFAFCTA	First AFCT entry
(8)	ADDRESS	4	FPFSELFA	SELF-POINTER (FOR F-DUMP)
(C)	ADDRESS	4		Reserved
(10)	ADDRESS	4		Reserved
(14)	ADDRESS	4		Reserved
(18)	ADDRESS	4	FPFPVADR	ADDRESS SHARED-POOL VECTOR
(1C)	ADDRESS	4		Reserved
	1		FPFPRFL	"*-DFHFPFDS" LENGTH OF FCT PREFIX

FCTSR File control shared resources

```
CONTROL BLOCK NAME = DFHFCTSR
DESCRIPTIVE NAME = CICS FCT SHARED RESOURCES CONTROL BLOCK
FUNCTION =
    To represent CICS's requirements of, and use made of,
    a VSAM local shared resources pool.
    Part of FILE CONTROL (the database component).
    There is one instance for each pool mentioned in the
FCT, ie up to 8 in OS and 1 in VSE.
LIFETIME & STORAGE CLASS =
    Same as the rest of the FCT.
LOCATION =
    By pointers and identifying numbers, all within the FCT.
INNER CONTROL BLOCKS =
    None in the strict sense.
    Certain fields repeat others defined in DFHFCSBK,
    and can be used as a work area.
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = None.
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
  DATA AREAS =
     The six fields named FCTVR... are all defined over
     the list-form of VSAM macro BLDVRP.
  CONTROL BLOCKS =
   GLOBAL VARIABLES (Macro pass) = Used only for splitting source.
         FILE CONTROL TABLE
        SHARED RESOURCES CONTROL
```

Offset Hex	Туре	Len Name (Dim)		Description		
(0)			DFHFCTSR	VSAM SHARED RESOURCES CONTROL		
(0)	CHARACTER	8	FCTSRGRP (0)	(RDO group name)		
(0)	CHARACTER	8	(-)	SHARED RESOURCES CONTROL EYE-CATCHER		
(8)	BITSTRING	1	FCTSRCSN (0)	STRING-NUMBER STATUS		
. ,	1		FCTCPSTN	"X'80" MUST COMPUTE STRING NUMBER		
(8)	BITSTRING	1	FCTSRCKL (0)	KEY-LENGTH STATUS		
. ,	.1		FCTCPKYL	"X'40" MUST COMPUTE LENGTH FOR KEYS		
(8)	BITSTRING	1	FCTSRCCI (0)	STATUS OF CI SIZES		
. ,	1		FCTCPCIS	"X'20" MUST COMPUTE CI SIZES		
(8)	BITSTRING	1	FCTSRSDI (0)	Separate DATA/INDEX buffers		
	1		FCTSRSEP	"X'10" Use separate buffers		
(8)	BITSTRING	1	FCTSRORG (0)	SHRCTL block origin		
. ,	1		FCTSRUSR	"X'08'" Defined by TYPE=SHRCTL		
(8)	BITSTRING	1	FCTSRERR (0)	ERROR BUILDING POOL		
. ,	1.		FCTSRDMP	"X'02" FORMATTED DUMP ISSUED		
(8)	BITSTRING	1	FCTSRPST (0)	STATUS OF THIS POOL		
. ,	1		FCTSRBLT	"X'01" POOL IS BUILT		
(8)	BITSTRING	1		SHARED RESOURCES CONTROL FLAGS		
(9)	SIGNED	1	FCTSRPID	NUMERICAL POOL IDENTIFIER		

Offset Hex	Туре	Len	Name (Dim)	Description
(A)	HALFWORD	2	FCTSRUC	NUMBER OF OPEN ACBs ON THE POOL
(C)	ADDRESS	4	FCTSRBWC	BUFFER WAIT CHAIN START
(10)	ADDRESS	4	FCTSRTSC	Transaction ID suspend chain
(14)	HALFWORD	2	FCTSRPCT	PERCENTILE VALUE
(16)	HALFWORD	2		Reserved
(18)	HALFWORD	2	FCTSRNAS	NUMBER OF ACTIVE STRINGS
(1A)	HALFWORD	2	FCTSRCSW	CURRENT NUMBER WAITING FOR STRING
(1C)	HALFWORD	2	FCTSRNKL	KEY LENGTH FOR NEXT BUILD
(1E)	HALFWORD	2	FCTSRNST	STRING NUMBER FOR NEXT BUILD
(20)	FULLWORD	4	FCTSRCHN	String wait chain
(24)	CHARACTER	8	FCTSRCTD	STCK Creation Time
(2C)		8	FCTSRDTD	STCK Creation Time STCK Deletion Time
	CHARACTER HALFWORD	2	FCTSRKYL	COMPUTED KEY LENGTH
(34)		2		
(36)	HALFWORD		FCTSRSTN	COMPUTED NUMBER OF STRINGS
(38)	HALFWORD	2	FCTSRHAS	HIGHEST NUMBER OF ACTIVE STRINGS
(3A)	HALFWORD	2	FCTSRHSW	HIGHEST NUMBER WAITED FOR STRING
(3C)	FULLWORD	4	FCTSRTSW	TOTAL NUMBER WAITED FOR STRING
(40)	BITSTRING	26	FCTSRMAP	WRTBFR TRANSID USE MAP
(5A)	CHARACTER	2		Reserved
(5C)	FULLWORD	4	FCTSRCIS (0)	FORMAT OF REPEATING FIELDS
(5C)	ADDRESS	2	FCTSRBSZ	Buffer size
(5E)	HALFWORD	2	FCTSRVBN	Virtual buffers this build
(60)	FULLWORD	4	FCTSRVBX	Virtual buffers next build
(64)	FULLWORD	4	FCTSRHBN	Hiperspace bufs this build
(68)	FULLWORD	4	FCTSRHBX	Hiperspace bufs next build
(6C)	FULLWORD	4	FCTSRBFF	NUMBER OF LOOK-ASIDE HITS
(70)	FULLWORD	4	FCTSRFRD	NUMBER OF BUFFER READS
(74)	FULLWORD	4	FCTSRUIW	NO OF USER INITIATED WRITES
(78)	FULLWORD	4	FCTSRNUW	NO OF NON-USER INITIATED WRITES
(7C)	FULLWORD	4	FCTSRCRS	Number successful CREADS
(80)	FULLWORD	4	FCTSRCWS	Number successful CWRITES
		4	FCTSRCRF	
(84)	FULLWORD			Number failing CREADS
(88)	FULLWORD	4	FCTSRCWF	Number failing CWRITES
(50)	11		FCTSRCIL	"*-FCTSRCIS" LENGTH OF BUFFER SIZE ENTRY
(5C)	BITSTRING	1	FCTSR512_DATA (0)	512 CI'S NUMBER AND STATISTICS
(8C)	BITSTRING	1	FCTSR1K_DATA (0)	1K CI'S NUMBER AND STATISTICS
(BC)	BITSTRING	1	FCTSR2K_DATA (0)	2K CI'S NUMBER AND STATISTICS
(EC)	BITSTRING	1	FCTSR4K_DATA (0)	4K CI'S NUMBER AND STATISTICS
(11C)	BITSTRING	1	FCTSR8K_DATA (0)	8K CI'S NUMBER AND STATISTICS
(14C)	BITSTRING	1	FCTSR12K_DATA (0)	12K CI'S NUMBER AND STATISTICS
(17C)	BITSTRING	1	FCTSR16K_DATA (0)	16K CI'S NUMBER AND STATISTICS
(1AC)	BITSTRING	1	FCTSR20K_DATA (0)	20K CI'S NUMBER AND STATISTICS
(1DC)	BITSTRING	1	FCTSR24K_DATA (0)	24K CI'S NUMBER AND STATISTICS
(20C)	BITSTRING	1	FCTSR28K_DATA (0)	28K CI'S NUMBER AND STATISTICS
(23C)	BITSTRING	1	FCTSR32K_DATA (0)	32K CI'S NUMBER AND STATISTICS
(23C)			FCTSRRFL	"(*-FCTSRCIS)" Length of repeating fields
	1.11		FCTSRNCI	"(FCTSRRFL/FCTSRCIL)"Number of CI sizes
(26C)	BITSTRING	1	FCTSR512_INDX (0)	512 CI'S NUMBER AND STATISTICS
(29C)	BITSTRING	1	FCTSR1K INDX (0)	1K CI'S NUMBER AND STATISTICS
(2CC)	BITSTRING	1	FCTSR2K INDX (0)	2K CI'S NUMBER AND STATISTICS
(2FC)	BITSTRING	1	FCTSR4K_INDX (0)	4K CI'S NUMBER AND STATISTICS
(32C)	BITSTRING	1	FCTSR8K_INDX (0)	8K CI'S NUMBER AND STATISTICS
(35C)	BITSTRING	1	FCTSR12K_INDX (0)	12K CI'S NUMBER AND STATISTICS
(38C)	BITSTRING	1	FCTSR16K_INDX (0)	16K CI'S NUMBER AND STATISTICS
(3BC)	BITSTRING	1	FCTSR20K INDX (0)	20K CI'S NUMBER AND STATISTICS
(3EC)	BITSTRING	1	FCTSR24K INDX (0)	24K CI'S NUMBER AND STATISTICS
` ,		1	- ,	28K CI'S NUMBER AND STATISTICS
(41C)	BITSTRING BITSTRING	1	FCTSR28K_INDX (0)	32K CI'S NUMBER AND STATISTICS
(44C)	DIIDIRING	1	FCTSR32K_INDX (0) FCTSRLNG	"*-DFHFCTSR" RESOURCE CONTROL ENTRY LENGTH
(47C)			I CIORLING	-DEFINE ON RESOURCE CONTROL ENTRY LENGTH

FFL Fast file locate

```
CONTROL BLOCK NAME = DFHFFLPS
DESCRIPTIVE NAME = CICS/ESA Fast File Locate Element (FFLE)
FUNCTION =
    This Control Block provides the description of the Fast
   File Locate Element (FFLE).
   The FFLE records the address of the AFCT entry (in order
   to avoid repeated locates) and the results of any
   security checks.
LIFETIME =
   The FFLE is created when the first request against a
   specific file is made, and destroyed at Syncpoint.
STORAGE CLASS =
   Held in the FC_FFLE subpool.
LOCATION =
Chained from the 'APEF' work token for the Recovery Manager.
INNER CONTROL BLOCKS =
   None.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
    None.
 DATA AREAS =
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
    None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	17	DFHFFLE	
(0)	ADDRESS	4	FFL_NEXT_FFLE	Next FFLE in chain
(4)	CHARACTER	8	FFL_FILE_NAME	File Name
(C)	ADDRESS	4	FFL_AFCTE_ ADDRESS	Address Of AFCTE
(10)	BITSTRING	1	FFL_SECURITY_ ACCESS	
	1 .1		FFL_READ_ ALLOWED FFL_UPDATE_ ALLOWED	Security Characteristics Read security check OK
	11 1111		*	Update security check OK

FIOA File input/output area

```
CONTROL BLOCK NAME = DFHFIOA
DESCRIPTIVE NAME = CICS File I/O Area.
FUNCTION = FILE I/O AREA
 The FIOA is acquired dynamically from main storage by File
 Control whenever a request is made for I/O to a BDAM data set.
 The data area, beginning at field FIOADBA, is used as the true
I/O area from/to which records are read/written. The FRTE contains the address of the FIOA at FRT_WORK_AREA_ADDRESS. The following fields form part of the Product-Sensitive Programming Interface.

FIOAIND
     FIOAM
     FCFIODEC
     FCFIOECB
FCFIOLRA
     FIOADBA
     FCDS01D
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHFIOA	DUMMY SECTION - FILE I/O AREA @
	FIXED SECTI	ON		
(0)	HALFWORD	2	FIOALGTH	Length of FIOA.
	DATA EVENT CO	NTROL BL	OCK	
(2)	BITSTRING	1	FIOAIND (0)	FILE I/O AREA INDICATOR
	11		FIOAM	"X'C0'" FILE I/O AREA
(4)	FULLWORD	4	FCFIODEC (0)	DATA EVENT CONTROL BLOCK
(4)	FULLWORD	4	FCFIOBEX (0)	EXCEPTION CODES - BDAM
(4)	FULLWORD	4	FCFIOECB	EVENT CONTROL BLOCK
(8)	HALFWORD	2	FCFIOTYP	TYPE OF OPERATION
(A)	HALFWORD	2	FCFIOLNG	DATA / AREA LENGTH
(C)	FULLWORD	4	FCFIODCB	DATA CONTROL BLOCK ADDRESS
(10)	ADDRESS	4	FCFIOAA	INPUT / OUTPUT DATA ADDR
(14)	FULLWORD	4	FCFIOIOB	IOB ADDRESS
(18)	FULLWORD	4	FCFIOKA	KEY ADDRESS
(1C)	FULLWORD	4	FCFIOBRF	BLKREF FIELD - BDAM
(20)	FULLWORD	4	FCFNXADR	ADDR OF NEXT ADDR FEEDBACK FLD
	VARIABLE SE	CTION		
(24)	BITSTRING	1	FCIOEXB (0)	EXCLUSIVE CONTROL INDICATOR
	1		FCECIND	"X'80" RECORD IS UNDER EXCLUSIVE CNTRL
(24)	CHARACTER	1	(3)	RESERVED
(28)	ADDRESS	4	FIOAFRTE	ADDRESS OF ASSOCIATED FRTE
(2C)	FULLWORD	4	FCFIOLRA	LOGICAL RECORD ADDRESS
(30)	HALFWORD	2	FCFIOLRL	Logical record length
(34)	FULLWORD	4	FCFIOFCT	FILE CONTROL TABLE ENTRY ADDR
(38)	FULLWORD	4	FIOA_KEY_ADDRESS	Address of RIDFLD in FIOA
(3C)	FULLWORD	4	FIGA DI GOIL END	Reserved
(40)	FULLWORD	4 2	FIOA_BLOCK_END	Address of end of block
(44)	HALFWORD	2	FIOA_BROWSE_ KEYLENGTH	
				Keylength during browse
(46)	HALFWORD	2	FIOA_BROWSE_RRN	DEBREC number in browse
(48)	CHARACTER	8	FIOA_KEY_ WORKAREA	Workarea for real address conversion
(50)	CHARACTER	8	FIOA_JOURNAL_ECN	Workarea for FCJL
(58)	BITSTRING	1	FIOA_BROWSE_ FLAGS	Indicators for browse
	1		FIOA_BROWSE_ IN PROGRESS	
			III_I ROOKEGO	"X'80" Browse in progress
	.1		FIOA_DEBREC_ BROWSE	"X'40" DEBREC browse
	1		FIOA_DEBKEY_ BROWSE	"X'20" DEBKEY browse
(59)	BITSTRING	1	FIOA INDICATORS	Miscellaneous indicators
` '	1		FIOA DEBLOCK	
			REQUIRED	
				"X'80" Deblock required
(60)	DBL WORD	8	FIOACAE (0)	CONTROL AREA ENDING ADDRESS
	.11		FIOACAD	"*-DFHFIOA" CONTROL AREA DISPLACEMENT
	.1.1 11		FIOAL	"*-FCFIOECB" FIOA LENGTH
(60)	DBL WORD	8	FCDS01D (0)	BEGINNING ADDRESS DATA AREA
	.11		FIOADBA	"FCDS01D" DATA BEGINNING ADDRESS

FLABC File lasting access block

CONTROL BLOCK NAME = DFHFLABC
DESCRIPTIVE NAME = CICS File Lasting Access Block (FLAB)
FUNCTION =

DFHFLAB describes the DSECT for the File Lasting Access Block. This block serves as an anchor for the set of of File Request Thread Elements (FRTEs) belonging to a particular file within a given transaction and a given environment.

If a transaction accesses several files from within the same environment, there will be one FLAB for each file. If a transaction accesses the same file from more than one environment, there will be one FLAB for each environment.

The FLAB holds the following data:-

- (1) The address of the corresponding FCTE and the name of the corresponding file
- (2) The environment identifier
- (3) The address of the owning FRAB
- (4) The address of the first FRTE in the chain of FRTEs owned by this FLAB. Note that the associated file can not be closed if there are any FRTEs addressed by this FLAB.
- (5) An indicator that the associated file must not be closed until syncpoint phase 2, even if the FRTE chain is empty.
- (6) An indicator that recoverable work has been done against this file. If this bit is OFF and do_not_close is ON, this indicates that the uow has only done repeatable reads.
- (7) An indicator that the corresponding file entry must not be reallocated to a different dataset, even if the file is closed and disabled.
- (8) An indicator of whether or not backout attempts are currently disabled for this file by this unit of work which is set on when the associated data set first suffers a backout failure, and is cleared when the unit of work is unshunted for a backout retry.
- (9) Some indicators used to keep track of state during the rebuilding of enqueues on CICS restart.
- (10) An indicator that an RLS QUICOPY or QUIBWO request was received for the dataset, and the UOW that owns the FLAB has updated the file.
- (11) Fields to record the type of syncpoint failure which has caused the FLAB to be retained.
- (12) Fields to record the address, length, location & key of SET storage owned by a READ SET issued for this file within this environment.

```
LIFETIME =
   The File Lasting Access Block is built by File Control as
   part of processing of the first File Control request for
   a particular file within a given transaction and
   environment.
   The storage for the FLAB is obtained from a FLAB
   storage subpool, created by DFHFCRP during File Control
   initialisation.
    The File Lasting Access Block is deleted after all the
   FRTEs have been processed during syncpoint terminate
   processing, provided that there have been no syncpoint
   failures for the file within the unit of work. At this
   point, the FLAB storage is not returned to the FLAB storage
   subpool, but is instead added to a chain of free FLABs,
   addressed by FC_STATIC_FLAB_FREE_CHAIN in FC static.
   Subsequent requests to build a FLAB are, if possible,
   satisfied by a quick cell mechanism from this chain.
   If the UOW is shunted, FLABs may be shunted with it.
   Recoverable FLABs are rebuilt at Emergency Restart, and
   sometimes also at warm restart.
   If new fields are added to the FLAB, DFHFCIR must be
   modified to rebuild those fields at warm or emergency
   restart
STORAGE CLASS =
   Above 16M line. CICS key.
LOCATION =
   Issuing an INQUIRE_WORK_TOKEN to the recovery manager
   with a client name of 'FC' returns the address of
   the FRAB. The FRAB contains the address of the first
   FLAB in field FRAB_FLAB_CHAIN_ADDRESS. Subsequent FLABs for this transaction are addressed by field
   FLAB_NEXT_FLAB_ADDRESS.
INNER CONTROL BLOCKS =
   DFHSETCC
NOTES
DEPENDENCIES = S/370
RESTRICTIONS = None
MODULE TYPE = Control block definition.
```

Name (Dim)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	64	DFHFLAB	
Eye o	catcher			
(0)	CHARACTER	16	FLAB_EYE_CATCHER	Eye catcher
(0)	HALFWORD	2	FLAB_LENGTH	Length of FLAB
(2)	CHARACTER	6	FLAB_EYE1	>DFHFC FC 'domain'
(8)	CHARACTER	8	FLAB_EYE2	FLAB
Main	part of FLAB.			
(10)	CHARACTER	48	FLAB_MAIN_PART	Main part of FLAB
(10)	ADDRESS	4	FLAB_NEXT_	
			FLAB_ADDRESS	
				Address of next FLAB on chain from owning FLAB
(10)	ADDRESS	4	FLAB_FREE_	
			FLAB_ADDRESS	
				Address of next FLAB on free chain
(14)	ADDRESS	4	FLAB_FRAB_ ADDRESS	Addresss of FRAB that owns this FLAB
(18)	CHARACTER	8	FLAB_FILENAME	Name of associated file
(20)	ADDRESS	4	FLAB_FCTE_ ADDRESS	Address of associated FCT entry
(24)	UNSIGNED	4	FLAB_ENVIRONMENT_ ID	
				Environment identifier
	part of the FLAB add		FRTE chain and controls	
(28)	ADDRESS	4	FLAB_FRTE_	
			CHAIN_ADDRESS	
				Address of first FRTE owned by this FLAB
(2C)	BITSTRING	1	FLAB_FLAGS	Flag byte
	1		FLAB_DO_ NOT_CLOSE	
				Do not close file until syncpoint commit
	.1		FLAB_DO_	
			NOT_REALLOCATE	
				Do not reallocate file: Retained locks exist
	1		FLAB_BACKOUT_	
			ATTEMPTS_DISABLED	
				Do not attempt backout: base data set has had a backout failure since the last unshunt
	1		FLAB_RECOVERABLE_	
			WORK_DONE	
				Recoverable work done and therefore eligible for shunting.
	1		FLAB_MI_	
			COMPLETE_SEEN	

Deceriation

Officer

Offset Hex	Туре	Len	Name (Dim)	Description
				Mass insert complete log rec seen (restart)
	1		FLAB_WA_	
			COMPLETE_SEEN	Muite and accordate law yee according
	1.		FLAB_QUICMP_	Write add complete log rec seen (restart)
			PENDING	
				RLS QUICOPY or QUIBWO quiesce request received for base data set
	1		*	Reserved
(2D)	BITSTRING	1	FLAB_SECURITY_ ACCESS	
				Security Characteristics
	1		FLAB_READ_ ALLOWED	
				Read security check OK
	.1		FLAB_UPDATE_ ALLOWED	
			ALLOWED	Update security check OK
	11 1111		*	Reserved
(2E)	UNSIGNED	1	FLAB_RETAIN_ REASON	
				Reason work had to be retained
(2F)	UNSIGNED	1	FLAB_RETAIN_ REASON2	
				Sub-reason for backout failures
SET storage for READ_SET requests				
(30)	CHARACTER	8	FLAB_SET_ CONTROL	Set storage control
(38)	CHARACTER	8	FLAB_SETU_ CONTROL	Set storage control
(40)	CHARACTER		*	Align to double word boundary

Constants

Len	Type	Value	Name	Description		
1	DECIMAL	0	FLAB_NOT_RETAINED			
1	DECIMAL	1	FLAB_FILE_			
			BACKOUT_FAILURE			
1	DECIMAL	2	FLAB_CACHE_FAILURE			
1	DECIMAL	3	FLAB_RLS_ CATASTROPHE			
1	DECIMAL	4	FLAB_INDOUBT			
1	DECIMAL	5	FLAB_COMMIT_ FAILURE			
1	DECIMAL	6	FLAB_CICS_FAILURE			
Va	Values for flab_ retain_reason2					
1	DECIMAL	0	FLAB_NO_SUBREASON			
1	DECIMAL	1	FLAB_IO_ERROR			
1	DECIMAL	2	FLAB_NO_SPACE			
1	DECIMAL	3	FLAB_AIX_FULL			
1	DECIMAL	4	FLAB_DUP_RECORD			
1	DECIMAL	5	FLAB_OPEN_ERROR			
1	DECIMAL	6	FLAB_NO_LDEL			
1	DECIMAL	7	FLAB_DEADLOCK			
1	DECIMAL	8	FLAB_COPY_ACTIVE			
1	DECIMAL	9	FLAB_SEVERE_ERROR			
1	DECIMAL	10	FLAB_RETAINABLE_ LOCKS			
1	DECIMAL	11	FLAB_REPEATABLE_ READS			
1	DECIMAL	12	FLAB_LOCK_ STRUC_FULL			

Offset

Type

Function management headers FMH

```
MODULE NAME = DFHFMHDS
DESCRIPTIVE NAME = CICS CICS Function Management Headers
FUNCTION =
Copybook DFHFMHDS provides dsect DFHFMHDS.
DFHFMHDS describes the format of the Function Management Headers
 (FMHs) used by CICS.
LIFETIME =
FMHs are used (in conjunction with user data) for communication between CICS and other LUs. These include:
 1. 3600 and batch LUs
 2. LUs supporting LU6.1 protocols
 3. LUs supporting LU6.2 protocols
 4. LUs supporting (CICS) IRC protocols
The lifetime, as far as CICS is concerned, is no more than the
lifetime of the TIOAs containing the FMHs and user data. STORAGE CLASS =
As for TIOAs.
LOCATION =
As for TIOAs.
INNER CONTROL BLOCKS =
There are no inner control blocks.
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS = There are no restrictions.
MODULE TYPE = Control block definition.
EXTERNAL REFERENCES =
  DATA AREAS =
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
     COMMON SECTION - 3600, BATCH LU
```

Len

Name (Dim)

Hex	туре	Len	Name (Dilli)	Description
(0)			DFHFMHDS	DSECT - FORMAT MESSAGE HDR
(0)	BITSTRING	1	FMHLENG	FMH LENGTH
(0)	11	'	FMHL3600	"3"LENGTH OF 3600 FMH
	11.		FMHLBLU	"6"LENGTH OF SOUTHWIT
	11		FMHLLU4	"9"LENGTH OF BATCH LO PMH
(1)	BITSTRING	1	FMHHD	HEADER DESCRIPTION
(1)	.1	'	FMHFD	"X'40"MESSAGE HAS FORMATTED DATA
	1			
			FMHALARM	"X'20"TRIGGER ALARM AT DEVICE
(0)	1		FMHTBLU	"X'01"BATCH LU IS TYPE X'01'
(2)	BITSTRING	1	FMHLDC	LOGICAL DEVICE CODE SAME VALUES IN DFHSLDC, EXCEPT:
(-)	1		FMHBLUIN	"X'80"INPUT INDICATOR FOR BATCH LU
(3)	BITSTRING	1		RESERVED
	BATCH LU EXT	ENSION		
(4)	BITSTRING	1	FMHFLAGS	BATCH LU FLAGS
	1		FMHSUSP	"X'80"SUSPEND DATA SET
	.1		FMHBODS	"X'40"BEGINNING OF DATA SET
	1		FMHEODS	"X'20"END OF DATA SETBITS 3-7 RESERVED
(5)	BITSTRING	1		RESERVED
RE	SPECIFICATION FO		U FMHS	
(0)	BITSTRING	1	FMHLEN	LENGTH OF COMPLETE FMH
(1)	BITSTRING	1	FMHTYPE	TYPE OF FMH
(.,	1	•	FMHFTYP1	"X'01"TYPE 1 FMH
	1.		FMHFTYP2	"X'02"TYPE 2 FMH
	11		FMHFTYP3	"X'03'"TYPE 3 FMH
	1		FMHFCONC	"X'80" CONCATENATED FMH
(2)	BITSTRING	1	FMHMEDIA	MEDIA SELECTION BYTE
(2)			FMHMEFCN	"X'00"CONSOLE
	1		FMHMEFEX	"X'10"EXCHANGE MEDIA
	1		FMHMEFCD	"X'20"CARD READER
	11		FMHMEFPR	"X'30"PRINT
	.1			"X'40"DISK
	.11		FMHMEFDI	
	.1.1		FMHMEFPD	"X'60"PDS
	1		FMHMEXDC	"X'50" EXTENDED DOCUMENT
	11		FMHMEWM1	"X'80"" WP MEDIUM 1
			FMHMEWM2	"X'90"" WP MEDIUM 2
	1.1		FMHMEWM3	"X'A0" WP MEDIUM 3
	11		FMHMEWM4	"X'CO" WP MEDIUM 4
	11.1		FMHMENCI	"X'D0" NCI
	.111 1111		FMHMEFAN	"X'7F"ANY NOTE ONLY BITS 1-3 USED BIT 0 RESERVED BIT 4-7 LOGICAL SUBADDRESS
(3)	BITSTRING	1	FMHFLAG3 (0)	FLAG BYTE
` '	1		FMHT1STK	"X'80"" 'YOUR' STACK INDICATOR BIT 1-3 RESERVED
(3)	BITSTRING	1	FMHDSP (0)	DATA STREAM PROFILE
\-/			FMHDSPDE	"X'00" DEFAULT DSP

Description

Offset Hex	Туре	Len	Name (Dim)	Description
	1		FMHDSPBA	"X'01" BASE DSP
	11		FMHDSPJB	"X'03" JOB DSP
	1		FMHDSPRW	"X'04" WP RAW
	11.		FMHDSPI1	"X'06" OII LEVEL 1
	111		FMHDSPI2	"X'07'" OII LEVEL 2
	1		FMHDSPI3	"X'08'" OII LEVEL 3 X'09' - X'0A' RESERVED
	1.11		FMHDSPSF	"X'0B'" STRUCTURED FIELDS X'0C' - X'0F' RESERVED
(3)	BITSTRING	1	FMHDSDSP	DEFINE STORAGE
(4)	BITSTRING	1	FMHDESEL	DESTINATION SELECT FIELD BIT 0-2 ONLY
. ,			FMHDEFRE	"X'00"RESUME DATA SET
	1		FMHDEFEN	"X'20"END DATA SET
	.1		FMHDEFBG	"X'40"BEGIN DATA SET
	.11		FMHDEFBD	"X'60"BEGIN AND END DATA SET
	1		FMHDEFSU	"X'80"SUSPEND DATA SET
	1.1		FMHDEFAB	"X'A0""ABORT DATA SET
(5)	BITSTRING	1	FMHRESV1 (0)	RESERVED
(5)	BITSTRING	1	FMHERCI	EXCHANGE RECORD LENGTH
(6)	BITSTRING	1	FMHRESV2 (2)	RESERVED
(8)	BITSTRING	1	FMHDSNL	LENGTH OF DESTINATION NAME
(9)	CHARACTER	1	FMHDSNH (0)	ACTUAL DSN NAME
TY	TYPE 2 FMH OVERLAY			
(2)	BITSTRING	1	FMH2OPCD	TYPE OF OPERATION
. ,	11		FMH2FADD	"X'24"ADD OPERATION
	11.1		FMH2FREP	"X'25"REPLACE OPERATION
	1. 1		FMH2FQUE	"X'28"QUERY OPERATION
	1. 11		FMH2FNOT	"X'29"NOTE OPERATION
	1. 1.1.		FMH2NTRY	"X'2A"NOTE REPLY OPERATION
	1. 1.11		FMH2FRID	"X'2B"RECID OPERATION
	1. 11		FMH2FERA	"X'2C"ERASE OPERATION
	1. 111.		FMH2FVOL	"X'2E"VOLID OPERATION
(3)	BITSTRING	1	FMH2NURC (0)	NUMBER OF RECORDS AFFECTED
(3)	BITSTRING	1	FMH2RITY (0)	TYPE OF KEY FOR RECID TYPE
(-)			FMH2RIAK	"X'00"ADDRESSED DIRECT
	1		FMH2RID1	"X'01"KEY DIRECT KEY1
	1.		FMH2RID2	"X'02""KEY DIRECT KEY2
	11		FMH2RIAP	"X'03"APPLICATION DEFINITION
	1		FMH2RICC	"X'04"CONTROL DEFINITION
(3)	BITSTRING	1	FMH2DAT1 (0)	START OF DATA FIRST TYPE
(3)	BITSTRING	1		OVERLAYED BYTE
(4)	CHARACTER	1	FMH2DAT2 (0)	START OF DATA SECOND TYPE

THE FOLLOWING DSECT DESCRIBES FUNCTION MANAGEMENT HEADERS AND IN SOME CASES THE DATA THAT CAN FOLLOW THE HEADER. THE ORGANIZATION OF THE DEFINITIONS WITHIN THIS PART OF THE COPY BOOK IS AS FOLLOWS:

- THE STANDARD PART OF A FUNCTION MANAGEMENT HEADER. THESE DEFINITIONS APPLY WHATEVER TYPE, GROUP AND FUNCTION CODE THE HEADER MAY CARRY.
- DEFINITIONS FOR FUNCTION MANAGEMENT HEADERS OF TYPE 5; THAT IS, ATTACH HEADERS. THESE MAY BE IDENTIFIED BY THE PREFIX 'FMHA' FOR LU6.1 AND BY THE PREFIX 'FMHB' FOR LU6.2.
- DEFINITIONS FOR FUNCTION MANAGEMENT HEADERS OF TYPE 6; THAT IS, SCHEDULER MODEL, QUEUE MODEL AND DL/I MODEL HEADERS. THESE MAY BE IDENTIFIED BY THE PREFIXES 'FMHS', 'FMHQ' AND 'FMHD' RESPECTIVELY.
- DEFINITIONS FOR FUNCTION MANAGEMENT HEADERS OF TYPE 7; THAT IS, SYSTEM MESSAGES. THESE ARE IDENTIFIED BY THE PREFIX 'FMHSM'
- 5. DEFINITIONS FOR FUNCTION MANAGEMENT HEADERS OF TYPE 10; THAT IS, SYNCPOINT HEADERS. THESE ARE IDENTIFIED BY THE PREFIX 'FMHP'
- 6. DEFINITIONS FOR FUNCTION MANAGEMENT HEADERS OF TYPE 12; THAT IS, TRANSFORMED PASSWORD HEADERS. THESE ARE IDENTIFIED BY THE PREFIX 'FMHV'.
- 7. DEFINITIONS FOR FUNCTION MANAGEMENT HEADERS OF TYPE 43; THAT IS, CICS PRIVATE HEADERS. THESE MAY BE IDENTIFIED BY THE PREFIX 'FMHC'. NOTE THAT THE DECLARED LENGTHS OF VARIABLE LENGTH PARAMETERS ALLOW FOR THE (REASONABLE) LENGTH OF THE PARAMETER VALUES. TO EACH MUST BE ADDED ONE BYTE FOR THE PRECEEDING LENGTH FIELD. (REFER TO MODULE DFHXFP FOR EXAMPLES OF HOW VARIABLE LENGTH PARAMETERS ARE HANDLEED.)
 NOTE ALSO THAT A THEORETICAL MAXIMUM LENGTH IS QUOTED FOR MOST FMHS. THIS PERMITS THE FASTER CONSTRUCTION OF FMHS AT THE EXPENSE OF A FEW EXTRA

(0) CHARACTER 1 FMHL

(1) CHARACTER 1 FMHCT

BYTES OF STORAGE.

LENGTH OF FMH
CONCATENATION FLAG AND FMH TYPE BITS SET AS FOLLOWS

Offset Hex	Туре	Len	Name (Dim)	Description
	1		FMHCAT	"X'80"" A SECOND F.M. HEADER COMES AFTER THIS ONE BIT1 - BIT 7 FMH TYPE
	1.1		FMHT05	VALUES SET AS FOLLOWS "X'05" IBM ARCHITECTED ATTACH F.M. HEADER
	11.		FMHT06	"X'06" IBM ARCHITECTED MODEL F.M. HEADER
	111		FMHT07	"X'07" IBM ARCHITECTED SYSTEM MESSAGE F.M. HEADER
	1.1.		FMHT0A	"X'0A"" IBM ARCHITECTED SYNCPOINT F.M. HEADER
	11 .111		FMHT0C FMHT43	"X'0C" IBM ARCHITECTED TRANSFORMED PASSWORD F.M. HEADER "X'43" CICS ARCHITECTED MODEL F.M. HEADER
(2)	CHARACTER	2	FMHXCMD (0)	GROUP AND FUNCTION CODES
(2)	CHARACTER	2	FMHXSS (0)	FMH T7 SYSTEM SENSE
(2)	CHARACTER	1	FMHGROUP	GROUP CODE
(3) (4)	CHARACTER CHARACTER	1 2	FMHFN FMHXUS (0)	FUNCTION CODE FMH T7 USER SENSE
(4)	CHARACTER	1	FMHXMOD	MODIFIER BITS SET AS FOLLOWS
()	1		FMHXLNSZ	"X'80" '0' FOR 1 BYTE FMH LENGTH FIELDS(LU6.1 FMH ONLY)
	.1		FMHXTOS	"X'40" Set if system supports Time-out delete of remote skeletons (Transaction Routing only)
				BIT2 RESERVED BIT3 RESERVED BIT4 RESERVED BIT5 RESERVED BIT6 RESERVED BIT7 RESERVED
(5)	CHARACTER	1	FMHXFXCT	LENGTH OF FIXED LENGTH PARAMETERS IN FMH
(6)	CHARACTER	1	FMHFORG (0)	ORIGIN FOR THE TYPE, GROUP AND FUNCTION DEPEND- ENT FIXED LENGTH
	11.		LFMH	PARAMETERS "*-DFHFMHDS" LENGTH OF THE STANDARD PART OF THE HEADER
		445140514		-DEFINITION LENGTH OF THE STANDARD PART OF THE HEADER
	TYPE 5 FUNCTION N		ADERS SENT AND RECEIVED	
	IN SUPPORT OF AT			
	LU6.1 ATTACH FUNC			
	X'0202' GROUP AND		N	
	FMHG VALUE		FOLLOWS	
	1.		FMHT5ATT	"X'02'" GROUP IS ATTACH FMHFN VALUES SET AS FOLLOWS
	1.		FMHATTFN	"X'02" FUNCTION IS ATTACH
(6)	CHARACTER	1	FMHATDS	SECURITY ALGORITHM VALUE
(7)	CHARACTER	1	FMHATDBA	DATA ALGORITHM VALUE VALUES SET AS FOLLOWS "X'00" UNDEFINED
	1		FMHAU FMHAV	"X'01" VARIABLE LENGTH
	1.		FMHASCSD	"X'02" DOCUMENT SUBSET OF SCS
	11		FMHASCSC	"X'03" CARD SUBSET OF SCS
	1		FMHARUC FMHARU	"X'04" CHAIN OF REQUEST UNITS "X'05" REQUEST UNIT
	1		LFMH0202	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
	1		LF050202	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
(0)	CHARACTER	8	FMHATDPN (0)	PROCESS TO BE INITIATED
(0)	CHARACTER 1	1	FMHATDPL FMHARLEN	PROCESS NAME LENGTH "1" LENGTH OF AN ARCHITECTED PROCESS NAME
(1)	CHARACTER	4	FMHATDPV (0)	PROCESS NAME UP TO FOUR CHARACTERS
	11 1111		FMHARMAX	"X'3F" MAXIMUM POSSIBLE VALUE FOR ARCHITECTED PROCESS NAMES -
(0)	CHARACTER	0	EMILATERNI (O)	NON-GRAPHIC VALUES
(0) (0)	CHARACTER	8 8	FMHATPRN (0) FMHARDPN (0)	RESOURCE FOR INITIATED PROCESS RETURN PROCESS NAME
(0)	CHARACTER	8	FMHARPRN (0)	RESOURCE FOR RETURN PROCESS
(0)	CHARACTER	8	FMHATDQN (0)	QUEUE TO BE ASSOCIATED WITH INITIATED PROCESS
	111		TA050202 MF050202	"LF050202+1+L'FMHATDPN+1+L'FMHATPRN+1+L'FMHARDPN" "TA050202+1+L'FMHARPRN+1+L'FMHATDQN" GOOD UPPER ESTIMATE OF MAXIMUM
			WI 030202	LENGTH FOR THE ATTACH FMH
	LU6.2 ATTACH FUNC	CTION MAI	NAGEMENT HEADER	
	X'02FF' GROUP AND			
		P AND FU S SET AS	FOLLOWS	
(0)	BITSTRING	0	FMHBCMD	"X'02FF" ATTACH LU6.2
(0)	1111 1111		FMHBTTFN	"X'FF" FUNCTION = LU6.2 ATTACH FLAGS SET IN FMHXMOD
	1		FMHBPIP	"X'08" PIP PRESENT
	1 1		FMHBXSEC FMHBAVER	"X'04'" Extended security bit "X'80'" USERID ALREADY VERIFIED
	.1		FMHBPVER	"X'40" USERID PERSISTENTLY VERIFIED
	1		FMHBPV2	"X'20" Userid Persistently Signed On FMHXFXCT
(0)	11 BITSTRING	1	FMHBFXCT	"X'03" LENGTH OF FIXED LENGTH PARMS CONVERSATION TYPE
(6)	11.1	'	FMHBCVT (0) FMHBUNMP	"X'D0" UNMAPPED
	11.11		FMHBMAPD	"X'D1"" MAPPED
(6)	BITSTRING	1	FMHBFXT1	1ST BYTE
(7) (8)	BITSTRING BITSTRING	1 1	FMHBFXT2 FMHBSPL (0)	2ND BYTE - RESERVED 3RD BYTE BITS 0-1 - SYNC POINT LEVEL
(0)	BITSTRING	'	FMHBSPL0	"X'00" NO SYNC
	.1		FMHBSPL1	"X'40" COMMIT ONLY (CONFIRM)
	1		FMHBSPL2	"X'80" FULL SYNCPT
(8)	11 BITSTRING	1	FMHBSPMK FMHBRSTL (0)	"X'C0" SYNC POINT MASK BIT 2 - RESTART LEVEL
(0)			FMHBRNO	"X'00" - NO
	1		FMHBRYES	"X'20"" - YES
(8)	BITSTRING	1	FMHBFXT3	3RD BYTE "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
(0)	11 CHARACTER	1	LF0502FF FMHBTPNL	ACTUAL LENGTH OF THE FIXED PART OF THIS HEADER ACTUAL LENGTH OF FMHBTPN
(1)	CHARACTER	32	FMHBTPN (0)	TRANSACTION PROGRAM NAME
(0)	CHARACTER	1	FMHBACCL	ACTUAL LENGTH OF FMHBACC

Offset	Туре	Len	Name (Dim)	Description
Hex (1)	CHARACTER	73	FMHBACC (0)	SECURITY ACCESS CODE
(0)	CHARACTER	1	FMHBACSL	ACCESS SUBFIELD LENGTH
(1)	CHARACTER	1	FMHBACST	ACCESS SUBFIELD TYPE
			FMHBACPR	"X'00" PROFILE-ID
	1 1.		FMHBACPA FMHBACUS	"X'01" PASSWORD "X'02" USER-ID
	1111 1.1.		FMHBAC_RRS	"X'FA'" RRS data field
	1111 1.11		FMHBAC_EPN	"X'FB" ENTRY PORT NAME
	1111 11		FMHBAC_EPT	"X'FC" ENTRY PORT TYPE
	ry port type can either I, or X'01' representing		presenting a VTAM	
			FMH_VTAM_ TERMINAL	"X'00" "X'04"
	1 1111 11.1		FMH_CONSOLE FMHBAC_APL	"X'01"" "X'FD"" APPLID OF ENTRY PORT
	1111 111.		FMHBAC_PRI	"X'FE'" SHIPPED TASK PRIORITY
	1111 1111		FMHBAC_SRC	"X'FF" MVS/WLM SRC TOKEN
(2)	CHARACTER	40	FMHBACSD (0)	ACCESS SUBFIELD DATA
(0) (1)	CHARACTER CHARACTER	1 30	FMHBUOWL FMHBUOW (0)	ACTUAL LENGTH OF FMHBUOW UNIT OF WORK ID
(1)	CHARACTER	1	FMHBULUL	LENGTH OF LU NAME
(2)	CHARACTER	17	FMHBULU (0)	LU NAME (NETWORK NAME FROM ACB)
(0)	CHARACTER	6	FMHBUCLK	UOW INSTANCE (STORE CLOCK VALUE)
(6)	CHARACTER	2	FMHBUSEQ	UOW SEQUENCE NO
(0) (1)	CHARACTER CHARACTER	1 8	FMHBCCSL FMHBCCS (0)	ACTUAL LENGTH OF FMHBCCS SENDER'S CONVERSATION CORRELATOR
(0)	CHARACTER	1	FMHBSEQL	Actual length of FMHBSEQ
(1)	CHARACTER	8	FMHBSEQ (0)	Sender's DCE sequence number
	1111		TA0502FF	"LF0502FF+1+L'FMHBTPN+1+L'FMHBACC+1+L'FMHBUOW"
	1.11		MF0502FF	"TA0502FF+1+L'FMHBCCS+L'FMHBSEQ" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE LU6.2 ATTACH FMH
-	TYPE 6 FUNCTION	MANAGEM	IENT HEADERS	ELNOTH ON THE EGG.2 ATTACHT WIT
	IN SUPPORT OF THE SYSSTAT FUNCTION USED FOR	HE LU6 SYS ON MANAGE RROR MESS D FUNCTIO	SAGES ON CSMT IN	
	11.		LF060402	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
	SYSERROR FUNCTUSED FOR	TION MANA	GEMENT HEADER	
	X'0404' GROUP AN NOTE THAT CICS/\ RECEIVE THE SYS	S WILL NO	OT SEND NOR	
	11.		LF060404	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
(0)	CHARACTER	4	FMHERDPN	DPN FOR INTENDED REPLY
(0)	CHARACTER 1	4	FMHERPRN MF060404	PRN FOR INTENDED REPLY "LF060404+1+L'FMHERDPN+1+L'FMHERPRN" GOOD UPPPER ESTIMATE OF MAXIMUM
				LENGTH FOR THE SYSERROR FMH
	FUNCTION MANAGE IN SUPPORT OF THE SCHED FUNCTION USED FOR IC SCHEDUL	HE LU6 SCH MANAGEM	IENT HEADER	
	X'0802' GROUP AN			
			AGS SET IN	
		XMUD FOR	SCHED FMH	
	.1		FMHXRPLY	"X'40" REPLY IS EXPECTED
	1 1		FMHXPROT FMHXDELY	"X'20" REQUEST IS PROTECTED "X'10" TIMER IS REQUIRED
	1		FMHRTST	"X'08" Routable START
(6)	CHARACTER	1	FMHSRQST	DETAILS OF SCHEDULE REQUEST BITS SET AS FOLLOWS
	1		FMHSTIME	"X'80" TIME DELAY SPECIFIED BIT1 RESERVED BIT2 RESERVED BIT3 RESERVED BIT4 RESERVED BIT5 RESERVED BIT6 RESERVED BIT7 RESERVED
(0)	111 CHARACTER	8	LF060802 FMHSSDPN (0)	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER NAME OF PROCESS THAT IS TO BE INITIATED
(0)	CHARACTER	4	FMHSPRN (0)	NAME OF PROCESS THAT IS TO BE INITIATED NAME OF PRIMARY RESOURCE FOR PROCESS BEING INITIATED
(0)	CHARACTER	8	FMHSRDPN (0)	SUGGESTED NAME FOR RETURN PROCESS
(0)	CHARACTER	4	FMHSRPRN (0)	SUGGESTED NAME FOR PRIMARY RESOURCE FOR RETURN PROCESS
(0)	CHARACTER	8	FMHSQNME (0)	NAME OF QUEUE ASSOCIATED WITH PROCESS BEING INITIATED
(0) (0)	CHARACTER CHARACTER	8 6	FMHSREQN (0) FMHSDELY (0)	NAME OF REQUEST INSTANCE ASSOCIATED WITH PROCESS THE INTERVAL OR TIME INITIATION DELAY FIELD
(0)	CHARACTER	8	FMHUSID (0)	THE INTERVAL OR TIME INITIATION DELAT FIELD THE USERID ON A START COMMAND
(0)	CHARACTER	8	FMHSYSNE (0)	Applid for PF start
(0)	CHARACTER	8	FMHTRMNE (0)	Terminal netname for start
	1 111.		TA060802 TB060802	"LF060802+1+L'FMHSSDPN+1+L'FMHSPRN+1+L'FMHSRDPN" "TA060802+1+L'FMHSRPRN+1+L'FMHSQNME+1+L'FMHSREQN"
	.1 11.1		MF060802	"TB060802+1+LFMINGREVINE+LFMINGREVINE+1+LFMINGREVINGFORM GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE SCHED FMH

Offset Hex	Туре	Len	Name (Dim)	Description
	SCDSTAT FUNCTION USED FOR IC SCHEDUL	E REPLIES		
(6)	X'0804' GROUP ANI CHARACTER .1111 1 1 1 1 1	1	FMHSSSTS FMHSSYSI FMHSINAU FMHSIEXP FMHSIEXP FMHSIPN FMHSIPRN FMHSERR FMHSERR	STATUS OF SCHEDULE REQUEST BITS SET AS FOLLOWS BIT0 RESERVED "X'40" Unable to ship request to next node "X'20" UNAUTHORIZED REQUEST "X'10" INITIATION TIME EXPIRED "X'08" INVALID PROCESS NAME "X'04" INVALID RESOURCE NAME "X'02" UNABLE TO SCHEDULE DUE TO PROCESSING ERROR "X'01" INVALID REQUEST
(7)	CHARACTER 1 1	1	FMHSSST2 FMHUIDER LF060804	EXTENSION TO FMHSSSTS BITS SET AS FOLLOWS "X'80" USERID ERROR "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
(0)	CHARACTER 11	8	FMHSIREQ (0) MF060804	REQUEST NAME GENERATED BY RECEIVING SYSTEM "LF060804+1+L'FMHSIREQ" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE SCDSTAT FMH
	PURGREQ FUNCTION USED FOR IC CANCEL F X'0806' GROUP ANI	REQUESTS		
(0) (0)	CHARACTER CHARACTER1 1	8 8	LF060806 (0) FMHSCDPN (0) MF060806	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER see definition for FMHSREQN NAME OF PROCESS THAT IS TO BE CANCELLED "LF060806+1+L'FMHSREQN+1+L'FMHSCDPN" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE PURGREQ FMH
	PURGSTAT FUNCT USED FOR IC CANCEL F X'0808' GROUP ANI	REPLIES		
(6)	CHARACTER11111	1	FMHSPSYS FMHSPNAU FMHSNFD LF060808	STATUS OF PURGE REQUEST BITS SET AS FOLLOWS BIT0 RESERVED BIT1 RESERVED BIT2 RESERVED BIT3 RESERVED BIT4 RESERVED "X'04" Unable to ship request to next node "X'02" UNAUTHORIZED REQUEST "X'01" NAMED REQUEST NOT FOUND ""-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
		HE LU6 QUI MANAGEME REQUESTS REQUESTS	DERS SENT AND RECEIVED EUE MODEL NT HEADER	
(6)	1. CHARACTER1111	1	FMHCNDRQ FMHQQORG FMHQNSPE FMHQSEQL FMHQLINE FMHQHIER LF060402	"X'02" CONDITIONAL REQUEST TYPE OF QUEUE VALUES SET AS FOLLOWS "X'00" QUEUE TYPE NOT SPECIFIED "X'01" QUEUE TYPE IS SEQUENTIAL "X'02" QUEUE TYPE IS LINEAR "X'03" QUEUE TYPE IS HIERARCHICAL ""-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
(0)	CHARACTER1 1	16	FMHQNAME (0) MF060A02	THE QUEUE NAME IS FROM 1 TO 16 CHARACTERS "LF060A02+1+L'FMHQNAME" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE QPUT FMH
EMHON		EQUESTS D FUNCTIO TIONAL FLA (MOD FOR	ON AGS SET IN QGET FMH	
(6)	CHARACTER	1	LWOLUI	see definition for FMHQQORG
(0)	111 CHARACTER	8	LF060A04 (0)	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER see definition for FMHQNAME
(0)	CHARACTER CHARACTER 1 111.	2 2	FMHQCURS FMHQTRSZ MF060A04	THE CURSOR IS HELD AS TWO BYTE BINARY THE MAXIMUM RECORD LENGTH IS HELD AS TWO BYTE BINARY "LF060A04+1+L'FMHQNAME+1+L'FMHQCURS+1+L'FMHQTRSZ" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE QGET FMH
	QPURGE FUNCTIO USED FOR DELETEQ TD DELETEQ TS X'0A06' GROUP AN	REQUEST REQUEST	rs rs	
(6)	CHARACTER 111	1	LF060A06	see definition for FMHQQORG "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER
(0)	CHARACTER1 1	8	(0) MF060A06	-DEFINITION LENGTH OF THE FIXED PART OF THIS HEADER SEE DEFINITION OF FMHQNAME "LF060A06+1+L'FMHQNAME" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE QPURGE FMH

Offset Hex	Туре	Len	Name (Dim)	Description
	QXFR FUNCTION USED FOR READQ TD READQ TS X'0A08' GROUP A	REPLIES REPLIES		
(6) (7)	CHARACTER CHARACTER	1	FMHQXFST	see definition for FMHQQORG STATUS BYTE BITS SET AS FOLLOWS BIT0 RESERVED BIT1 RESERVED BIT2 RESERVED BIT3 RESERVED BIT4 RESERVED
(0) (0) (0)	11111	2 2 2	FMHQDISP FMHQEMSG LF060A08 (0) FMHQRCNT (0) FMHQRCLN (0) MF060A08	"X'04" DISPOSITION OF QUEUE BIT6 RESERVED "X'01" END OF MESSAGE "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER see definition for FMHQCURS NUMBER OF OCCURENCES OF RECORDS AT LOWEST LEVEL OF CURSOR RECORD LENGTH BEFORE TRUNCATION "LF060A08+1+L'FMHQCURS+1+L'FMHQRCNT+1+L'FMHQRCLN" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE QXFR FMH
	QSTATUS FUNCT USED FOR WRITEQ TE WRITEQ TS READQ TD READQ TD DELETEQ TO DELETEQ TO X'0A0A' GROUP A NOTE THAT CICS THE FMHQSENS LENGTH PARAME	REPLIES REPLIES REPLIES REPLIES TO REPLIES TO REPLIES ND FUNCTION (VS WILL NO	NC	OF MAXIMUM LENGTHT ON THE WALK PMIT
(6) (7) (7)	CHARACTER CHARACTER CHARACTER 111111	1 2 1	FMHQSTAT (0) FMHQSTA1 FMHQINVL FMHQINVN FMHQRNVL FMHQNAVL FMHQSPAC FMHQINVC	see definition for FMHQQORG STATUS OF REQUEST FIRST STATUS BYTE BITS SET AS FOLLOWS "X'80" INVALID LENGTH FOR REQUEST "X'40" INVALID QUEUE NAME "X'20" RECORD NOT AVAILABLE "X'10" QUEUE NAME NOT AVAILABLE "X'08" NO SPACE LEFT ON QUEUE "X'04" INVALID CURSOR
(8)	11. CHARACTER 1	1	FMHQERRO FMHQEMPT FMHQSTA2 FMHQIORG FMHQNAUT FMHQSYSI FMHQDISA FMHQINVR FMHQLOCK	"X'02" I/O ERROR WHEN QUEUE ACCESSED "X'01" QUEUE IS EMPTY RESERVED "X'80" Q-ORG NOT SUPPORTED "X'40" UNAUTHORIZED REQUEST "X'20" Unable to ship request to next node "X'10" Queue exists but has been disabled "X'08" Invalid request; e.g. DELETEQ for extra TD "X'04" Queue is locked
(0) (0) (0)	CHARACTER CHARACTER CHARACTER CHARACTER 11	2 256 8	LF060A0A (0) FMHQSENS (0) (0) MF060A0A	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER see definition for FMHQCURS SENSE DATA (COULD BE ACCESS METHOD DATA) see definition for FMHQNAME "LF060A0A+1+L'FMHQCURS" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE QSTATUS FMH
EMUCNI	X'0A0C' GROUP A ADI	REQUESTS IND FUNCTION DITIONAL FL HXMOD FOR	; DN AGS SET IN QREPL FMH	
(6)	CHARACTER	1		see definition for FMHQQORG
(0) (0)	CHARACTER CHARACTER1 1.11	8 2	LF060A0C (0) (0) MF060A0C	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER see definition for FMHQUAME see definition for FMHQCURS "LF060A0C+1+L'FMHQNAME+1+L'FMHQCURS" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE QREPL FMH
FMHCN	READQ TS X'0A10' GROUP A ADI	REQUESTS REQUESTS ND FUNCTION DITIONAL FLANCOD FOR	ON AGS SET IN QGETN FMH	
(6) (0) (0)	CHARACTER111 CHARACTER CHARACTER1 1.11	1 8 2	LF060A10 MF060A10	see definition for FMHQQORG "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER see definition for FMHQNAME see definition for FMHQTRSZ "LF060A10+1+L'FMHQNAME+1+L'FMHQTRSZ" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE QGETN FMH

Offset Hex	Туре	Len	Name (Dim)	Description			
	IN SUPPORT OF T	HE LU6 DLA TION MANA D BY ONE	AGEMENT HEADERS OR MORE SELF				
(0)	CHARACTER	2	FMHDLENG	LENGTH OF PARAMETER; INCLUDES LENGTH AND TYPE FIELDS			
(2)	CHARACTER 1	1	FMHDTYPE FMHDIOA	PARAMETER TYPE - VALUES SET AS FOLLOWS "X'01" FLAG SET TO SHOW THAT PARAMETER IS AN I/O AREA			
	1.		FMHDSSA	"X'02" FLAG SET TO SHOW THAT PARAMETER IS A SSA			
	11		FMHDPCB	"X'03"" FLAG SET TO SHOW THAT PARAMETER IS A PCB			
	1		FMHDKEY FMHDSTFN	"X'04" FLAG SET TO SHOW THAT PARAMETER IS A KEY "X'05" Flag set to show that parameter is a STATFUNC			
	11.		FMHDSRTK	"X'06" Flag set to show that parameter is a SRTOKEN			
	111		FMHDSCHD	"X'07" Flag set to show that parameter is a SCHEDINFO			
(2)	1 CHARACTER	256	FMHDAIB FMHDPARM (0)	"X'08" Flag set to show that parameter is a AIB THE PARAMETER ITSELF; 256 IS AN ARBITRARY RATHER THAN MAXIMUM VALUE			
(3) (3)	CHARACTER	256	FMHDAREA (0)	THE I/O AREA; 256 IS AN ARBITRARY RATHER THAN MAXIMUM VALUE			
(3)	CHARACTER	256	FMHDPSSA (0)	THE SEGMENT SEARCH ARGU- MENT; 256 IS AN ARBITRARY RATHER THAN MAXIMUM			
(3)	CHARACTER	256	FMHDPPCB (0)	VALUE THE PCB VIEW DESCRIPTOR; 256 IS AN ARBITRARY RATHER RATHER THAN			
(3)	CHARACTER	4	FMHDNTNT	MAXIMUM VALUE PROCESSING INTENT FOR THIS DATA BASE			
(7)	CHARACTER	4	FMHDMKYL	MAXIMUM KEY LENGTH FOR THIS PCB (BINARY)			
(B)	CHARACTER	4	FMHDSEGS	NUMBER OF SENSITIVE SEGMENTS (BINARY)			
(0)	1111 CHARACTER	8	LFMHDVD FMHDDBDN (0)	"*-FMHDLENG" LENGTH OF THE FIXED PART OF THE VIEW DESCR (PCB) DBD NAME - VARIABLE PARAM - FROM 1 TO 8 CHARACTERS LONG			
(0)	CHARACTER	2	FMHDSAMX (0)	MAX SSA SIZE - VARIABLE PARAM - 2 BYTES LONG			
(0)	CHARACTER	2	FMHDIOMX (0)	MAX I/O AREA SIZE - VAR IABLE PARAM - 2 BYTES LONG			
(0) (0)	CHARACTER CHARACTER	2 8	FMHDSTC (0) FMHDBORG (0)	Status Codes- Variable parameter - 2 bytes long Database Organisation -Var iable param - 8 bytes long			
(0)	CHARACTER	8	FMHDPCBN (0)	Real PCBNAME -Var iable param - 8 bytes long			
	1111		MAXLDVD	"LFMHDVD+1+L'FMHDDBDN+1+L'FMHDSAMX+1+L'FMHDIOMX+1+L'FMHDS			
	MAX		ESTIMATE OF GTH FOR VIEW				
(3)	CHARACTER	256	FMHDPKEY (0)	THE FULLY CONCATENATED KEY FOR THIS OPERATION; 256 IS AN ARBITRARY RATHER RATHER THAN MAXIMUM VALUE			
	DLIDBS FUNCTION USED FOR DL/I SCHED X'4002' GROUP AN	ULE REQUE	ESTS				
(0)	11. CHARACTER 1111	8	LF064002 FMHDPSBN (0) MF064002	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER PSB NAME - VARIABLE PARAM - FROM 1 TO 8 CHARACTERS LONG "LF064002+1+L'FMHDPSBN" GOOD UPPER ESTIMATE OF MAXIMUM LENGTH FOR THE PSB FMH			
	DLIDBSR FUNCTION USED FOR DL/I SCHED X'4004' GROUP AN	ULE REPLIE	ES				
(6)	CHARACTER	2	FMHDSRCS (0)	DL/I RETURN CODES			
(6)	CHARACTER 1	1	FMHDSRC1 FMHDNOPN	DL/I RETURN CODE WITH BITS SET AS FOLLOWS "X'80" DATA BASE NOT OPEN			
	.1		FMHDNFND	"X'40" PSB NOT FOUND			
	1		FMHDNACT	"X'20" DL/I NOT ACTIVE			
	1		FMHDFAIL FMHDNAUT	"X'10" PSB INITIALIZATION FAILED "X'08" UNAUTHORIZED ACCESS TO PSB			
	1		FMHDCONF	"X'04" INTENT SCHEDULE CONFLICT			
	1.		FMHDIPCB	"X'02" Invalid PCB Request E.G. IOPCB for Local PSB BIT6 RESERVED BIT7 RESERVED			
(7)	CHARACTER 1	1	FMHDSRC2 LF064004	RESERVED "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER			
	DLIREPL FUNCTIO	N MANAGE	MENT HEADER				
	USED FOR DL/I REPL R	EOHESTS					
	X'4006' GROUP AN		ON				
(6)	CHARACTER	2	FMHDPCBI	THE INDEX FOR THIS PCB			
-	1	NAMACE	LF064006	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER			
	DLIISRT FUNCTION MANAGEMENT HEADER USED FOR						
	DL/I ISRT RE X'4008' GROUP AN		DN				
(6)	CHARACTER	2	15004000	see definition for FMHDPCBI			
-	DUDLET FUNCTION	N MANAGE	LF064008	**-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER			
	DLIDLET FUNCTION MANAGEMENT HEADER USED FOR						
	DL/I DLET R X'400A' GROUP AN		ON				
(6)	CHARACTER	2		see definition for FMHDPCBI			
(0)	1	2	LF06400A	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER			

Offset Hex	Туре	Len	Name (Dim)	Description		
	DLIGU FUNCTION MANAGEMENT HEADER USED FOR					
	DL/I GU REC X'4010' GROUP AN		N			
(6)	CHARACTER 1	2	LF064010	see definition for FMHDPCBI "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER		
	DLIGHU FUNCTION	N MANAGEN	MENT HEADER			
	USED FOR DL/I GHU REQUESTS X'4012' GROUP AND FUNCTION					
(6)	CHARACTER 1	2	LF064012	see definition for FMHDPCBI "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER		
	DLIGN FUNCTION USED FOR DL/I GN REC		NT HEADER			
(6)	X'4014' GROUP AN	ID FUNCTIO 2	N	see definition for FMHDPCBI		
(0)	1		LF064014	**-DFHFMHDS* LENGTH OF THE FIXED PART OF THIS HEADER		
	DLIGHN FUNCTION USED FOR DL/I GHN RE	EQUESTS				
(6)	X'4016' GROUP AN CHARACTER	2	N .	see definition for FMHDPCBI		
. ,	1		LF064016	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER		
	DLIGNP FUNCTION USED FOR DL/I GNP RE X'4018' GROUP AN	EQUESTS				
(6)	CHARACTER	2		see definition for FMHDPCBI		
	DLIGHNP FUNCTION		LF064018	**-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER		
	USED FOR DL/I GHNP F X'401A' GROUP AN	REQUESTS				
(6)	CHARACTER 1	2	LF06401A	see definition for FMHDPCBI "*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER		
	DLIDBXFR FUNCTI USED FOR DL/I DATABA (SUCCESSF X'401C' GROUP AN	ASE REPLIE	S QUESTS)			
(6) (6)	CHARACTER CHARACTER	2	FMHDRCDS (0) FMHDRCD1	DL/I RETURN CODES DL/I RETURN CODE WITH BITS SET AS FOLLOWS		
. ,	BIT2 BIT3	A BASE NOT RESERVED RESERVED RESERVED RESERVED	OPEN			
(7)	1 CHARACTER	1	FMHDNVRQ FMHDRCD2	"X'04" INVALID PCB INDEX BIT6 RESERVED BIT7 RESERVED RESERVED		
(8) (A)	CHARACTER CHARACTER	2 2	FMHDSEGL FMHDSTCD	SEGMENT LEVEL (BINARY) STATUS CODES		
, ,	11 CHARACTER		LF06401C	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER		
(0)	CHARACTER 1 .1.1	8	FMHDSEGN (0) MF06401C	THE SEGMENT NAME IS FROM ONE TO EIGHT CHARACTERS "LF06401C+1+L'FMHDSEGN" GOOD UPPPER ESTIMATE OF MAXIMUM LENGTH FOF THE DLIDBXFR FMH		
	DLIDBSTS FUNCTION MANAGEMENT HEADER					
		SSFUL GET F SSFUL REP ()	REQUESTS AND L/ISRT/DLET			
(6)	CHARACTER	2	(0)	see definition for FMHDRCDS		
(6) (7)	CHARACTER CHARACTER	1 1		see definition for FMHDRCD1 see definition for FMHDRCD2		
(8) (A)	CHARACTER CHARACTER	2 2		see definition for FMHDSEGL see definition for FMHDSTCD		
, ,	11 CHARACTER	8	LF06401E (0)	**-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER see definition for FMHDSEGN		
(0)	1 .1.1	O	MF06401E	"LF06401E+1+L'FMHDSEGN" GOOD UPPPER ESTIMATE OF MAXIMUM LENGTH FOF THE DLIDBSTS FMH		
	DLIDEQ FUNCTION USED FOR DL/I DEQ RE		IENT HEADER	22.22.33		
	X'4020' GROUP AN		N			

Offset Hex	Туре	Len	Name (Dim)	Description	
(6)	CHARACTER	2		PCB index	
(8)	1 ADDRESS	2	LF064020	"*-DFHFMHDS" Length of fixed part Length of view descriptor	
(A)	BITSTRING	1		I/O area type View descriptor	
(B)	BITSTRING	1	145004000	I/O area (1 byte)	
	11		MF064020	"*-DFHFMHDS" Maximum length of this header	
	DLIDEQR FUNCTION USED FOR	N MANAGE	MENT HEADER		
	DL/I DEQ REF				
	X'4022' GROUP AND)N		
(6) (8)	CHARACTER CHARACTER	2 2	FMHDESTC	FMHDRCDS DL/I Status Code	
(0)	1.1.	-	LF064022	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER	
	DLIDBSI Function Ma	anagement	Header		
	Used for DL/I Schedule	roquoete w	ith IODCB		
	X'4024' Group and Fi		MILITOF CB		
(6)	CHARACTER	8	FMHSIPSBNM	PSB Name	
(0)	111.	0	LF064024	"*-DFHFMHDS"	
(0) (2)	CHARACTER CHARACTER	2 1		FMHDLENG FMHDTYPE	
(3)	CHARACTER	12	FMHDPSCH (0)		
(3) (C)	CHARACTER HALFWORD	8 2	FMHDIOPC FMHDNBA		
(E)	HALFWORD	2	FMHDOBA		
	1 11.1		MF064024	"LF064024+2+1+L'FMHDPSCH"	
	DLILOG Function Mar User for	nagement F	Header		
	DL/I LOG reque				
	X'4026' Group and Fu				
(6)	CHARACTER 1	2	LF064026	PCB index "*-DFHFMHDS"	
	DLISTAT Function Ma	nagomont		כטו וואי וו ז וטי	
	User for	magement	rieadei		
	DL/I STAT requ				
(6)	X'4028' Group and Fu CHARACTER	nction 2		PCB index	
(6)	1	2	LF064028	"*-DFHFMHDS"	
(0)	CHARACTER	2		FMHDLENG FM DTV (FF	
(2) (3)	CHARACTER CHARACTER	1 9	FMHDPSTA (0)	FMHDTYPE	
(3)	CHARACTER	4	FMHDSTTY		
(7) (8)	CHARACTER CHARACTER	1 4	FMHDSTFO FMHDSTRE		
	1 .1		MF064028	"LF064028+2+1+L'FMHDPSTA"	
	DLIINIT Function Man	agement H	leader		
	User for DL/I INIT reque	sts			
	X'402A' Group and Fu				
(6)	CHARACTER	2		PCB index	
	1		LF06402A	"*-DFHFMHDS"	
	DLISETS Function Ma User for	nagement	Header		
	DL/I SETS requ				
	X'402C' Group and Fu				
(6)	CHARACTER 1	2	LF06402C	PCB index "*-DFHFMHDS"	
(0)	CHARACTER	4	FMHDPSRT	-игпгиниз	
	DLIROLS Function M	/lanagemer	nt Header		
	User for				
	DL/I ROLS re X'402E' Group and F				
(6)	CHARACTER	2		PCB index	
	1		LF06402E	"*-DFHFMHDS"	
	DLIPOS Function Mar	nagement F	Header		
	User for DL/I POS reque	ests			
	X'4030' Group and Fu				
(6)	CHARACTER	2		PCB index	
	1		LF064030	"*-DFHFMHDS"	
	DLISSR Function Management Header User for				
	DL/I System Se		y		
	X'4032' Group and Fu				
(6)	CHARACTER CHARACTER	2	FMHDSSCD	FMHDRCDS Status Code	
(8)	1.1.	2	LF064032	"*-DFHFMHDS"	

Offset Hex	Туре	Len	Name (Dim)	Description
	DLIINITR Function	on Management I	Header	
	DL/I INIT I			
	X'4034' Group ar	nd Function	LF064034	"*-DFHFMHDS"
	DLIICMD Function	on Management I		
	User for DL/I ICMD) requests		
	X'4036' Group ar			POR : 1 / / / IOUR POUR OUGO)
(6)	CHARACTER 1	2	LF064036	PCB index (zero for ICMD, RCMD, GMSG) "*-DFHFMHDS" Length of fixed part
	DLIAOIR Functio	on Management F	Header	
		D, RCMD, GMSG and Function	Reply	
(6)	CHARACTER 1	2	LF064038	FMHDRCDS "*-DFHFMHDS"
	DLIRCMD Functi	ion Management		-BITH MILES
	User for DL/I RCM X'403A' Group a	D requests nd Function		
(6)	CHARACTER		. =	PCB index (zero for ICMD, RCMD, GMSG)
	DLIGMSG Functi	ion Management	LF06403A Header	**-DFHFMHDS* Length of fixed part
	User for	G requests		
	X'403C' Group a			
(6)	CHARACTER 1	2	LF06403C	PCB index (zero for ICMD, RCMD, GMSG) "*-DFHFMHDS" Length of fixed part
	DLIINQY Functio	n Management H	Header	
	User for DL/I INQY			
(6)	X'403E' Group a			DCD index (never for INOV)
(6)	CHARACTER	2	LF06403E	PCB index (zero for INQY) "*-DFHFMHDS" Length of fixed part
		TON MANAGEMI		
(6)	CHARACTER	1	FMHELOG (0) FMHELOG1	LUTYPE 6.2 ERROR LOG "X'80" GDS DATA VARIABLE
(6)	CHARACTER	2	FMHELOG0 FMHSMNUM	"X'00" NO GDS DATA VARIABLE MESSAGE NUMBER
(8)	1 CHARACTER	1	LFMHSM FMHSMSTD (0)	"*-DFHFMHDS" LENGTH OF ARCHITECTED T7 FMH END OF ARCHITECTED T7 FMH
(8)	CHARACTER	4	FMHSMCCD	CICS ABEND CODE
(C)	CHARACTER11	5	FMHSMDCD LFMHSMDL	DL/I ABEND CODE "*-DFHFMHDS" LENGTH OF MM T7 FMH
	FUNCTION MAI IN SUPPORT O SYNCPOINT FL	NAGEMENT HEA OF SYNCPOINT M	GEMENT HEADER	
	1.		FMHPGPSY FMHPGPPR	"X'02" SYNCH POINT GROUP "X'02" PREPARE SUBGROUP
(4)	BITSTRING	1 1	FMHPRSV1	RESERVED '00'
(5)	BITSTRING	'	FMHPPTYP FMHPPTFL	PREPARE TYPE "X'00" PREPARE WITH KEEP FLOW
	1		FMHPPTEB FMHPPTCD	"X'01" PREPARE WITH REQUEST EB "X'02" PREPARE WITH REQUEST CD
	11.	TION MANAGEN	LF0A0202	"*-DFHFMHDS" LENGTH
	FUNCTION MAI IN SUPPORT O TRANSFORMEI	NAGEMENT HEA F BIND TIME SE D PASSWORD F	MENT HEADERS ADERS SENT AND RECEIVED ECURITY FUNCTION MANAGEMENT HEADER OF SUPPORTED	
(2)	BITSTRING 1.1.	8	FMHVTPW LFFMHV	TRANSFORMED PASSWORD **-DFHFMHDS' LENGTH
FI	CICS PRIVATE THE FUNCTION ICS REQUEST OR MH, THE DIRECTI	HEADERS N MANAGEMENT R REPLY. SINCE ON OF TRANSM	MENT HEADERS I HEADER FOR A THIS IS A PRIVATE IISSION DETERMINES RUEST OR A REPLY.	
(0) (0) (0)	11. CHARACTER CHARACTER CHARACTER	9	LFMHCICS FMHCOPTS (0) FMHCINVP (0) FMHCRCDE (0)	"*-DFHFMHDS" LENGTH OF THE FIXED PART OF THIS HEADER FOR OUTBOUND REQUESTS - THE EXISTENCE AND TCA BITS FROM ARGO For outbound DPL requests - the name of the invoking program FOR INBOUND REPLIES - THE ERROR CODES FROM EIBRCODES

Offset	Туре	Len	Name (Dim)	Description
Hex	OUADAGTED	_	FMUOTERS (8)	FOR INDOUND DEPUTE. THE TRANSACTION POLITING DETURN CORE TO BE DACCED.
(0)	CHARACTER	5	FMHCTRRC (0)	FOR INBOUND REPLIES - THE TRANSACTION ROUTING RETURN CODE TO BE PASSED TO CPSM
TH	IS FMH IS FOLLOWE	D BY ZERO	O OR MORE DATA	
VA	RIABLES WHICH RE	PRESENT A	ARGUMENTS TO AN	
EX	EC CICS COMMAND			
NO	T ALL ARGUMENTS	WILL BE S	ENT AND FURTHERMORE	
TH	E VALUES TRANSMI	TTED WILL	. DEPEND ON THE	
FU	NCTION AND DIREC	TION OF T	RANSMISSION.	
(0)	CHARACTER	2	FMHCARGL	LENGTH OF PARAMETER; INCLUDES LENGTH AND ARGNO FIELDS
(2)	CHARACTER	1	FMHCARGN	ARGUMENT NUMBER; ARG3 IS REPRESENTED BY VALUE X'06'
(3)	CHARACTER	256	FMHCARGV (0)	THE ARGUMENT ITSELF; IT MAY BE, FOR EXAMPLE, A KEY

Function and module identifiers **FMI**

MODULE NAME = DFHFMIPS DESCRIPTIVE NAME = CICS FUNCTION AND MODULE IDENTIFIERS All names defined in DFHFMIPS form part of the Product-Sensitive Programming Interface. FUNCTION AND MODULE IDENTIFIERS (SEE FOLLOWING DSECTS: DFHDWEDS,DFHJCADS,DFHJCR) FUNCTION IDENTIFIERS
X'20' PLUS X'8-' ...USE FOR AUTOMATIC JOURNALING
X'40' PLUS X'8-' ...USE FOR AUTOMATIC LOGGING X'E0' thru X'FF' are reserved for Sync-Point logging
(MUST BE PRESENT IN 'LOGGABLE' DWE'S) DFHFMIDS CONSTANTS JOURNAL CONTROL

Offset Hex	Туре	Len	Name (Dim)	Description
1	HEX	80	FIDJCLAB	JOURNAL CONTROL LABEL
		FILE CONTROL		
1	HEX	40	FIDALOG	AUTOMATICALLY LOGGED
1	HEX	20	FIDAJRN	AUTOMATICALLY JOURNALLED
1	HEX	10	FIDMASS	MASSINSERT REQ (FIDFCWA ONLY) *
1	HEX	80	FIDECRO	FILE CONTROL READ-ONLY
1	HEX	81	FIDECRU	FILE CONTROL READ-UPDATE
1	HEX	82	FIDFCWU	FILE CONTROL WRITE-UPDATE
1	HEX	83	FIDECWA	FILE CONTROL WRITE-ADD
1	HEX	84	FIDECWAC	FILE CONTROL WRITE-ADD-COMP *
1	HEX	86	FIDECMD	FILE CONTROL WRITE-DELETE *
1	HEX	88	FIDECROF	Backout Failed Log Record *
1	HEX	8F	FIDECOSN	Dsname record *
				Datame record
IDE LO	NTIFY THE G RECORE E USED FO	FUNCTION OF THE		
1	HEX	80	FIDPSOPC	CONTINOUS LOGICAL SPOOLOPEN
1	HEX	81	FIDPSWRC	CONTINOUS LOGICAL SPOOLWRITE
1	HEX	82	FIDPSCLC	CONTINOUS LOGICAL SPOOLCLOSE
1	HEX	83	FIDPSOPS	STANDARD SPOOLOPEN
	INTERV	AL CONTROL FUNCTI	ON IDENTIFIERS	
1	HEX	50	FIDICPDF	INTERVAL CONTROL PUT, DEFER
1	HEX	80	FIDICRGT	RESTART GET.
1	HEX	90	FIDICCAN	COPY OF CANCELLED ICE
1	HEX	08	FIDICDB	CKOUT MASK
	BMS F	UNCTION IDENTIFIER	S:-	
1	HEX	81	FIDBMPM	BMS - PARTIAL MESSAGE ON
1	HEX	82	FIDBMODS	BMS - OPEN DATA SET ON
	TERMIN	AL CONTROL FUNCTI	ON IDENTIFIERS	
1	HEX	F0	FIDTCML	SYNC POINT - LOG SEQUENCE
1	HEX	01	FIDTCDWL	DEFERRED WRITE DATA
1	HEX	02	FIDTCFMH	FUNCTION MANAGEMENT
1	HEX	04	FIDTCDIP	DIP REQUEST
1	HEX	08	FIDTCDB	DYNAMIC BACKOUT MASK
1	HEX	40	FIDTCAL	AUTOMATIC LOGGING MASK
1	HEX	20	FIDTCAJ	AUTOMATIC JOURNALING MASK
1	HEX	80	FIDTCTL	SEQUENCE NUMBER ONLY
1	HEX	81	FIDTCIM	INPUT MESSAGE (LOG AND
1	HEX	82	FIDTCOM	OUTPUT MESSAGE (JOURNAL
				•

Offset Hex	Туре	Len	Name (Dim)	Description
1	HEX	83	FIDTCWP	WRITE WAS PURGED (LOG
1	HEX	84	FIDTCPRR	POSITIVE RESPONSE
1	HEX	85	FIDTCIMF	INPUT MESSAGE (W/FMH,
1	HEX	86	FIDTCOMN	OUTPUT MESSAGE, (W/O
1	HEX	87	FIDTCON	OUTPUT MESSAGE, FMH,
1	HEX	88	FIDTCONN	OUTPUT MESSAGE, W/O FMH,
1	HEX	89	FIDTCUA	INITIAL TCT USER AREA
1	HEX	8A	FIDTCEIB	INITIAL EXEC COMM AREA
1	HEX	8B	FIDTCIMN	IN MSG, NO FMH, DATA COMPLT *
1	HEX	8C	FIDTCINN	IN MSG, NO FMH, DATA ¬COMPLT *
	GENERAL P	URPOSE SUBTASK F	FUNCTION IDENTIF	TIERS
1	HEX	80	FIDSKDF	DEFAULT FUNCTION CODE
Fr	ont-End Prog	ramming Interface FU	NCTION IDENTIFIE	RS
1	HEX	F0	FIDFEPIN	FEPI Inbound API<-FEPI
1	HEX	F1	FIDFEPOU	FEPI Outbound API->FEPI
		E IDENTIFIERS ('01'>X'FF'.)		
1	HEX	08	MODIDIC	INTERVAL CONTROL
1	HEX	10	MODIDTC	TERMINAL CONTROL
1	HEX	11	MODIDFC	FILE CONTROL
1	HEX	13	MODIDTS	TEMPORARY STORAGE
1	HEX	14	MODIDFCJ	FILE CONTROL JOURNALLING *
1	HEX	40	MODIDBM	BASIC MAPPING
1	HEX	45	MODIDJC	JOURNAL CONTROL
1	HEX	53	MODIDPS	SPECIAL FEATURES
1	HEX	5B	MODIDTMP	TABLE MANAGER
1	HEX	5C	MODIDSKP	SUBTASK MANAGER
1	HEX	5D	MODIDFEP	Front-End Prog Inter
1	HEX	FF	MODIDUSR	RESERVED FOR USER SYNC

File request anchor block **FRABC**

CONTROL BLOCK NAME = DFHFRABC
DESCRIPTIVE NAME = CICS File Request Anchor Block (FRAB)
FUNCTION =
DFHFRAB describes the DSECT for the File Request

DFHFRAB describes the DSECT for the File Request Anchor Block. This block serves as an anchor for the set of File Lasting Access Blocks (FLABs) belonging to a particular transaction. The File Request Thread Elements (FRTEs) are chained from the FLABs. The FRAB identifies the transaction to which a given File Control request belongs.

The File Request Anchor Block is built by File Control as part of processing of the first File Control request in a transaction. The storage for the FRAB is obtained from a FRAB storage subpool, created by DFHFCRP during File Control initialisation. The address of the FRAB is then used as the Recovery Manager token associated with the client name 'FC'.

The File Request Anchor Block is deleted after all the FLABs have been processed during SYNCPOINT at transaction termination. At the same time, the Recovery Manager token is reset to zero. At this point, the FRAB storage is not returned to the FRAB storage subpool, but is instead added to a chain of free FRABs, addressed by the FC_STATIC_FRAB_FREE_CHAIN pointer in FC static. Subsequent requests to build a FRAB are, if possible, satisfied by a quick cell mechanism from this chain.

LIFETIME =

Normal creation is when the first File Control Request for a transaction is processed.

A FRAB is also created if a failure occurs during phase 2 of an intermediate syncpoint: the original FRAB for the transaction is shunted along with the failed parts of the unit of work, and the new FRAB is passed on to the next unit of work in the transaction.

FRABs are deleted at transaction termination (for a shunted FRAB this will be at termination of the transaction which was created in order to retry the failure).

If a UOW is shunted, the FRAB is shunted with it, unless there was no recoverable File Control work in the unit of work.

When CICS is warm or emergency restarted, FRABs will be rebuilt for any units of work which had made file control updates that were not committed at the time of the CICS termination.

Note that if new fields are added to the FRAB, DFHFCIR must be modified to rebuild these fields.

STORAGE CLASS =

Above 16M line. CICS key.

LOCATION =

Issuing an INQUIRE_WORK_TOKEN to the recovery manager with client name 'FC' returns the address of the File Request Anchor Block.

INNER CONTROL BLOCKS =

IFGLUWID

NOTES :

DEPENDENCIES = S/370

RESTRICTIONS = None

MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	248	DFHFRAB	
Eye	catcher			
(0)	CHARACTER	16	FRAB_EYE_CATCHER	Eye catcher
(0)	UNSIGNED	2	FRAB_LENGTH	Length of FRAB
(2)	CHARACTER	6	FRAB_EYE1	>DFHFC FC 'domain'
(8)	CHARACTER	8	FRAB_EYE2	FRAB
Main	Main part of FRAB			
(10)	CHARACTER	232	FRAB_MAIN_PART	Main part of FRAB
(10)	ADDRESS	4	FRAB_NEXT_	
			FRAB_ADDRESS	
				Ptr to next FRAB in FRAB chain
(10)	ADDRESS	4	FRAB_FREE_	
			FRAB_ADDRESS	
				Next FRAB in FC static free chain.
(14)	ADDRESS	4	FRAB_PREV_	
			FRAB_ADDRESS	
				Pointer to previous FRAB in FRAB chain
(18)	ADDRESS	4	FRAB_FLAB_	
			CHAIN_ADDRESS	
				Pointer to start of FLAB chain for current transaction.

Offset Hex	Туре	Len	Name (Dim)	Description
(1C)	ADDRESS	4	FRAB_FLLB_ CHAIN_ADDRESS	Pointer to start of FLLB chain for current transaction.
(20)	ADDRESS	4	FRAB_EXCL_VSWA	VSWA that suffered excl control conflict for this task.
(24)	ADDRESS	4	FRAB_TRANSACTION_ TOKEN	
(28)	FULLWORD	4	FRAB_UPDATE_ TOKEN	Current transaction's transaction token (TCA address) Current update token
Data	tables section of F	RAB		
(2C)	ADDRESS	4	FRAB_DT_ UOW_TOKEN	Data tables recovery token
Reco	very-related section	n of FRAB		
(30)	BITSTRING	1	FRAB_FLAGS	Assorted flags
	1		FRAB_RLS_	
			LOCKS_HELD	IDALKREL is required
	.1		FRAB_NON_	
			RLS_LOCKS_HELD	NQ Manager DEQ is required
	1		FRAB HAS	NQ Manager DEQ is required
			BEEN_SHUNTED	
				UOW has been shunted at least once
	1		FRAB_UOWID_SET FRAB_PHASE_ 2_SYNC	UOW has been recorded in FRAB
			110.05_110.05_ 2_0110	UOW has been through ph2 of syncpoint
	1		FRAB_REQUEST_ FORGET	
				Request_forget has been issued
	11		*	Reserved
(31)	CHARACTER	3	*	Reserved
(34)	ADDRESS	4	FRAB_FCUP_ CHAIN ADDRESS	
			011/1114_7.12.21.12.00	Pointer to start of FCUP chain
RLS	section of FRAB			
(38)	CHARACTER	1	*	Reserved
(3A)	UNSIGNED	2	FRAB_RLS_ TIMEOUT	Timeout value
(3C)	FULLWORD	4	FRAB_SERVER_	
			SEQUENCE	Sequence number of server at time FRAB created.
(40)	CHARACTER	4	FRAB TRANNUM	Transaction # for deadlock/timeout pd
(44)	CHARACTER	4	FRAB_TRANID	Transaction id for deadlock/timeout pd
(48)	CHARACTER	96	FRAB_LUWID	RLS Luwid
(A8)	CHARACTER	80	FRAB_VSAM_ WORKAREA	VOAM
(A8)	FULLWORD	4	* (20)	VSAM workarea (20 words)
(A8) (F8)	CHARACTER	4	* (20) *	Align to double word boundary
(/				J

MACRO NAME: IFGLUWID
DESCRIPTION: Mapping the Logical Unit of Work ID Control Block
STATUS: Version 1 DFSMS Release 3.0 PROPRIETARY V3 STATEMENT LICENSED MATERIALS - PROPERTY OF IBM "RESTRICTED MATERIALS OF IBM" 5695-DF1 END PROPRIETARY V3 STATEMENT
FUNCTION = Mapping Macro for Logical Unit of Work ID
INCLUDED MACROS = NONE
METHOD OF ACCESS = PL/X-370 OR ASSEMBLER

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	96	IFGLUWID	
(0)	CHARACTER	16	LUWIDHDR	
(0)	CHARACTER	8	LUWIDID	Eye Catcher - IFGLUWID
(8)	FULLWORD	4	LUWIDLEN	Control Block Length
(C)	UNSIGNED	1	LUWIDVER	Version Identifier
(D)	CHARACTER	3	*	Reserved
(10)	CHARACTER	8	LUWIDVAL	Logical Unit Of Work ID
(18)	CHARACTER	36	LUWIDPDI	deadlock/timeout problem
dete	ermination information			
(18)	BITSTRING	1	LUWIDFL1	first flag field
	1		LUWIDNDL	'1'= LUWID is not a preferred
dea	dlock victim			
(19)	CHARACTER	3	*	reserved
(1C)	CHARACTER	32	LUWIDPD	Deadlock/time out problem
dete	ermination data area			

(4C)

FULLWORD

Offset Hex	Туре	Len	Name (Dim)	Description
(3C)	UNSIGNED	4	LUWIDWLM	WLM transaction token or 0
The LUWID should be on a dblword boundary. In PL/X, if LIKE is used, LIKE must specify BDY(DWORD). To avoid potential problems with how the user gets the LUWID block, whether PL/X or ASM, VSAM will save result of TIMEUSED in a BDY(DWORD) internal field and then move to LUWIDCPU				
(40)	CHARACTER	8	LUWIDCPU	Total CPU time used by the
NO VSA is co is re avai	Fincluded. (Field mus M request. Field is no omplete. For SYN,RL: sturned from RLSWAI	st be cleared ot available SWAIT, field T exit. For A completes. V	SAM may not be able to set	
(48)	ADDRESS	4	LUWIDSVA	Ptr to a 20-word BDY(DWORD)
use	r-provided area requir	ed for VSAN	If to use TIMEUSED	

Reserved, unused

Constants

* (5)

Len	Type	Value	Name	Description
8	CHARACTER		LUWIDNUL	Null LUWID
8	CHARACTER	IFGLUWID	LUWIDIDC	Eyecatcher
1	DECIMAL	1	LUWIDVRC	Version Number

FRTEC File request thread element

CONTROL BLOCK NAME = DFHFRTEC DESCRIPTIVE NAME = CICS File Request Thread Element FUNCTION = DFHFRTEC describes the dsect for File Request Thread Elements (FRTEs). These elements are used to represent active File Control Requests. They are also used to reconcile related requests (eg READ_UPDATE -> REWRITE FRTEs are created by DFHFCFR and hung off a chain for the particular file within a given task and environment.

The FRTE is created at the start of the request thread and destroyed at the end of the request thread. For example, a FRTE is created on a STARTBR and destroyed by an ENDBR. LIFETIME = For the duration of the File Control request thread. STORAGE CLASS = Above 16M line. CICS key. LOCATION = Issuing an INQUIRE_WORK_TOKEN to the recovery manager returns the address of the FRAB. The FRAB contains the address of the head of the FLAB chain for this task. Each FLAB addresses the chain of active FRTEs for that specific file and environment. INNER CONTROL BLOCKS = DFHSETC NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	108	DFHFRTE	
Eye catcher				
(0)	CHARACTER	16	FRT_EYE_CATCHER	Eye catcher
(0)	HALFWORD	2	FRT_LENGTH	length of FRTE
(2)	CHARACTER	6	FRT_EYE1	>DFHFC FC 'domain'
(8)	CHARACTER	8	FRT_EYE2	FRTE
Main part of FRTE				
(10)	CHARACTER	88	FRT_MAIN_PART	Main part of FRTE
(10)	ADDRESS	4	FRT_NEXT_	
			FRTE_ADDRESS	

Offset Hex	Туре	Len	Name (Dim)	Description
(10)	ADDRESS	4	FRT_FREE_ FRTE_ADDRESS	Pointer to next FRTE in chain for current file.
(14) (18) (19)	ADDRESS CHARACTER BITSTRING 1	4 1 1	FRIE_ADDRESS FRT_FLAB_ ADDRESS FRT_FUNCTION FRT_LAGS FRT_PRIVILEGED FRT_INITIAL_ LOAD FRT_USE_FCDT FRT_BACKOUT FRT_CONTINUATION FRT_ACCMETH_ MODULE_ACTIVE	Next FRTE in FC static storage free chain. Address of FLAB that owns this FRTE. Function byte - see CONSTANT definitions FRTE flag byte Priviliged request Initial loading lock held. Call FCDT if a CMT Backing out This request continues a previous one
	1.		FRT_UMT_ LOCK_HELD	The access method dependent module is active UMT record lock held for frt_key_copy
(1A) (1C) (20)	1 UNSIGNED ADDRESS ADDRESS	2 4 4	* FRT_REQID FRT_DATA_BUFFER FRT_UPDATE_ TOKEN	Reserved Browse request ident. Temporary area to read record into. TOKEN for read update
This se	ection of the FRTE de	scribes the v	work area (VSWA or FIOA)	
(24)	ADDRESS	4	FRT_WORK_ AREA_ADDRESS	Address of work area i.e. VSWA or FIOA
(28)	UNSIGNED	4	FRT_WORK_ AREA_LENGTH	Work area length
(2C)	CHARACTER	8	FRT_WORK_ AREA_SUBPOOL	Work area subpool
This s	ection of the FRTE de	ecribae SET	storage	work area subpoor
(34)	CHARACTER	8	FRT_SET_CONTROL	Set storage control area.
	ection of the FRTE is			Oct storage control area.
(3C)	ADDRESS	4		V
(40)	CHARACTER	12	FRT_KEY_COPY FRT_DT_ RECORD_TOKEN	Key copy area
(40) (4C)	ADDRESS ADDRESS	4 4	FRT_FBWA_ ADDRESS FRT_CF_ CONNECTION_TOKEN	Table record token Table browse area
(50)	FULLWORD	4	FRT_CF_ INSTANCE_NUMBER	CFDT pool connect token CFDT server instance number
This se	ection of the FRTF is	temporary a	nd will be removed later	5. 5. 55.157 Hourison Hambon
(54)	ADDRESS	4	FRT_BCB_ADDRESS	Base Cluster Block addr
				Saco Station Blook dudi
(58)	ection of the FRTF is	used by the		
	ADDRESS			Token returned from RMRE APPEND & supplied to RMRF FORCE
This se	ADDRESS ection of the FRTE is : frt_ifgluwid_pointer is nsures that this field i	4 used by RLSs NOT part of s not cleared	FRT_FORCE_TOKEN S. If frt_main_part.	Token returned from RMRE APPEND & supplied to RMRE FORCE
This se	ADDRESS ection of the FRTE is : frt_ifgluwid_pointer is nsures that this field i	4 used by RLSs NOT part of s not cleared	FRT_FORCE_TOKEN S. If frt_main_part. When the FRTE is	Token returned from RMRE APPEND & supplied to RMRE FORCE no. of massinsert requests to recoverable ESDS. Time of first massinsert to recoverable ESDS.

Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	FRT_READ	Read
1	DECIMAL	3	FRT_READ_UPDATE	Read_Update
1	DECIMAL	5	FRT_WRITE	Write
1	DECIMAL	8	FRT_DELETE	Delete
1	DECIMAL	10	FRT_START_BROWSE	Start Browse

ICE Interval control element

```
CONTROL BLOCK NAME = DFHICEDS
DESCRIPTIVE NAME = CICS Interval Control Element (ICE)
FUNCTION =
    An ICE is created for each time-dependent request
    received by the interval control program. These ICEs are logically chained from CSAICEBA in the CSA in expiration
     time-of-day sequence.
     Expiration of a time-ordered request is detected by the
     expired request logic of the interval control program
     running as a CICS system task. The type of service
    represented by the expired ICE is initiated, if all resources required for the service are available, and the
     ICE is removed from the chain. If the resources are not
     available, the ICE remains on the chain and another
     attempt to initiate the request service is made the next
     time the expiry logic runs.
STORAGE CLASS =
LOCATION =
INNER CONTROL BLOCKS =
 DEPENDENCIES = S/370
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
  DATA AREAS =
   CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
The following fields form part of the product sensitive
programming interface:
ICECHNAD ICERQID ICETRMID ICETRNID ICEXTOD
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	200	DFHICEDS	ICE control block
(0)	CHARACTER	16	ICEPRFX	ICE prefix
(0)	UNSIGNED	2	ICELEN	ICE length
(2)	CHARACTER	6	ICEBLKID	Eye-catcher ('>DFHAP')
(8)	CHARACTER	8	ICEBLKNM	Control block name ('ICE')
(10)	CHARACTER	8	ICEBODY	ICE body
(10)	ADDRESS	4	ICECHNAD	ICE chain address
(14)	ADDRESS	4	ICETECAA	Timer event area address
(18)	ADDRESS	4	ICETCAAD	TCA address
(18)	CHARACTER	4	ICETRMID	Symbolic terminal id
(1C)	CHARACTER	4	ICETRNID	Transaction identification
(20)	CHARACTER	11	ICESECSF	Security
(20)	UNSIGNED	1	ICEUSIDL	Length of userid
(21)	CHARACTER	10	ICEUSRID	Userid
(2B)	CHARACTER	2	*	Reserved
(2D)	CHARACTER	1	ICETYPE	Type of ICE
(2E)	BITSTRING	1	ICESTATI	ICE status indicator
	1		ICESTNRL	Expired normally
	.1		ICE_BEING_ PROCESSED	
				Being processed
	1		ICESTXTE	Expired on entry
	1		ICESTCNL	Cancelled by other task
	1		ICESTXTM	Expiration time
	1		ICESTRES	Awaiting DS resume
	1.		*	Reserved
	1		ICESTCHN	On chain
(2F)	CHARACTER	1	ICERQCLS	Request identification
(30)	UNSIGNED	4	ICE_UNIQUE_ID	Number used to construct unique request id.
(30)	CHARACTER	4	ICEXTOD	Exp'n time of day
(34)	CHARACTER	8	ICERQID	Request identification
(3C)	CHARACTER	8	ICENETSY	Netname/sysid from XICTENF exit
(44)	CHARACTER	8	ICEMODEN	Mode name
(4C)	CHARACTER	1	ICETR	Transaction routing indicator
(4D)	CHARACTER	1	ICEFS	Function shipping indicator

Offset Hex	Туре	Len	Name (Dim)	Description
(4E)	BITSTRING	1	ICEFLAGS	Flags
` ,	1		ICESZ	Startcode SZ for FEPI
	.1		ICEFLATX	Flat Transuser set
	1		ICEUSSET	Transaction user set
	1		ICEDYNTR	Transaction dynamic
	1		ICEUSSYS	System userid requested
	1		ICE DATA	Oyotom asona requestica
			RECOVERABLE	
			RECOVERABLE	ICE is associated with a recoverable TS queue
	1.		ICE ZEDO INTEDVAL	
	1		ICE_ZERO_ INTERVAL	Originating request specified an INTERVAL of zero
(45)			ICE_PROTECTED	START was protected
(4F)	BITSTRING	1	ICEFLAG2	Flags
	1		ICERTST *	Routable START
	.111 1111			Reserved
(50)	CHARACTER	4	ICE_USER_TOKEN	User token
(54)	CHARACTER	4	ICECURTR	Current terminal id
(58)	CHARACTER	48	ICEFLATU	US domain Flat_Transuser
(88)	CHARACTER	12	ICE_QUALIFIED_	
			EXPIRY_TIME	
				Expiry time and expiry time qualifier
(88)	CHARACTER	8	ICE_EXPIRY_ TIMES	Absolute expiry times
(88)	CHARACTER	8	ICE_EXPIRY_ STCK	STCK expiry time for an interval ICE
(88)	CHARACTER	8	ICE_EXPIRY_DT	Date and time of expiry for time ICE
(88)	CHARACTER	4	ICE_EXPIRY_ DATE	ccyyddd+ expiry date for time ICE
(8C)	CHARACTER	4	ICE_EXPIRY_ TIME	Timer unit (1/300sec) expiry TOD for time ICE
(90)	CHARACTER	4	ICETIMST	Expiry time qualifier
(94)	HALFWORD	2	ICE_START_ DATA_LEN	Length of data
(96)	CHARACTER	2	*	Reserved
(98)	CHARACTER	8	ICE_CREATION_ TIME	Creation time STCK value
(A0)	CHARACTER		*	
(A0)	CHARACTER	8	ICE_TERMINAL_ NETNAME	
				Netname of terminal
(A8)	CHARACTER	4	ICESHSYS	Shipped via sysid
(AC)	CHARACTER	8	ICE_TOR_NETNAME	Netname of TOR
(B4)	ADDRESS	4	ICE_ROUTER_	
			COMM_ADDR	
				Address of commarea for dynamic routing program
(B8)	HALFWORD	2	ICE_ROUTER_ COMM_LEN	, 31 0
(-/	-			Length of DYP commarea
(BA)	CHARACTER	4	ICEDFTRN	Transaction id for deferred dynamic start request
(BE)	CHARACTER	8	ICEDSRP	Router program name - stored here for ICXM processing to reduce SHRTM calls
(C6)	CHARACTER	2	*	RESERVED
(00)	2.00.00.210	-		

Constants

Len 4	Type DECIMAL	Value 200	Name ICEAD	Description ICE length			
Poss	sible values of ICETYF	PE					
1	HEX	20	ICEWTM	Wait			
1	HEX	30	ICEPST	Post			
1	HEX	40	ICEINT	ICP - initiate request			
1	HEX	50	ICEPUT	ICP - put data request			
Valu	Values used in DFHIC get wait requests						
1	DECIMAL	0	ICE_GW_DATA	Resumed due to new data			
1	DECIMAL	4	ICE GW SHUTDOWN	Resumed due to shutdown			

ICUE Interval control EXEC parameter list

```
CONTROL BLOCK NAME = DFHICUEC
DESCRIPTIVE NAME = CICS EXEC argument list for Interval
                       Control user exits.
     Although provided in a general library, DFHICUED is not
     to be used as a general programming interface. Refer to
     product documentation to determine intended usage.
     The following fields are part of the Product-sensitive
     Programming Interface.
IC_ADDR0
IC_ADDR1
             IC_ADDR2
             IC_ADDR3
             IC_ADDR4
            IC_ADDR5
IC_ADDR6
IC_ADDR7
IC_ADDR8
             IC_ADDR9
             IC_ADDRA
             IC_ADDRB
            IC_ADDRD
IC_ADDRD
IC_ADDRE
IC_ADDRF
             IC_ADDR10
             IC_GROUP
             IC_FUNCT
            IC_BITS1
IC_BITS2
IC_BITS3
             IC_EIDOPT5
             IC_EIDOPT6
             IC_EIDOPT7
             IC_EIDOPT8
            IC_INTERVAL
IC_START_INTERVAL
IC_DELAY_INTERVAL
IC_POST_INTERVAL
             IC_TIME
             IC_START_TIME
             IC_DELAY_TIME
IC_POST_TIME
IC_CANCEL_REQID
             IC_RETRIEVE_INTO
             IC_RETRIEVE_SET
             IC_REQID
            IC_DELAY_REQID
IC_POST_REQID
IC_START_REQID
             IC_RETRIEVE_LENGTH
             IC_POST_SET
```

```
IC_TRANSID
          IC_CANCEL_TRANSID
          IC_START_TRANSID
          IC_START_FROM
         IC_START_LENGTH
         IC_START_TERMID
          IC_SYSID
          IC_START_SYSID
          IC_CANCEL_SYSID
          IC_RTRANSID
         IC_START_RTRANSID
         IC_RETRIEVE_RTRANSID
         IC RTERMID
         IC_START_RTERMID
         IC_RETRIEVE_RTERMID
          IC_QUEUE
          IC_START_QUEUE
         IC_RETRIEVE_QUEUE
         IC HOURS
         IC_DELAY_HOURS
          IC_POST_HOURS
          IC_START_HOURS
         IC_MINUTES
         IC_DELAY_MINUTES
         IC POST MINUTES
         IC_START_MINUTES
         IC_SECONDS
         IC_DELAY_SECONDS
         IC_POST_SECONDS
         IC_START_SECONDS
         IC_START_USERID
         IC_START_SYSNET
    All equates for values of EIBRCODE, EIBRESP and EIBRESP2
   form part of the General-purpose Programming Interface.
   All remaining fields used in defining the Exec Parameter
   List are product sensitive and may vary between CICS
   releases.
FUNCTION =
   To define the EXEC parameter list for Interval Control
   requests, for use by global user exit programs at exit
   points XICEREQ and XICEREQC.
   On entry to the XICEREQ and XICEREQC User Exits, the EXEC
   parameter list is pointed to by UEPCLPS.
   The EXEC parameter list for Interval Control consists of
   fifteen addresses.
   The fifteen addresses are defined by IC ADDR0 to IC ADDRE.
   This DSECT defines IC_ADDR0 to IC_ADDRE and the areas
   that they point to.
   On entry to the XICEREQ and XICEREQC User Exits, the copy
   of EIBRCODE is pointed to by UEPRCODE, the copy of EIBRESP
   is pointed to by UEPRESP and the copy of EIBRESP2 is
   pointed to by UEPRESP2.
   This DSECT also contains equates for values of EIBRCODE.
   EIBRESP and EIBRESP2 used by Interval Control.
LIFETIME = Lifetime of the IC command request
STORAGE CLASS = As the storage being mapped is the translated
        source in the user's application program, the
        storage may be either above or below the line
LOCATION = (1) EXEC Parameter List is addressed by UEPCLPS.
        (2) Fields copied from the EIB are addressed by
           UEPRCODE, UEPRESP and UEPRESP2.
        (3) The token for use in communicating between
           XICEREQ and XICEREQC is addressed by UEPICTOK.
INNER CONTROL BLOCKS =
   IC_ADDR_LIST declares the EXEC addresses.
   IC_EID defines the EID pointed to by IC_ADDR0.
NOTES :
DEPENDENCIES = S/370 ESA
RESTRICTIONS = None
MODULE TYPE = Control Block definition
EXTERNAL REFERENCES =
   None
 DATA AREAS =
   None.
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
The command parameter list is a list of addresses which
reference the various elements of the EXEC CICS command.
The addresses are only valid if the element is applicable to
this command. The existence bits in the EID component
(IC_BITS1) specify those addresses that are valid, and the
flagword bits (IC_EIDOPT5 - IC_EIDOPT8) specify the keywords
that were given in the EXEC CICS command.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	124	IC_ADDR_LIST	Addresses of
(0)	ADDRESS	4	IC_ADDR0	the EID
(4)	ADDRESS	4	IC_ADDR1	TIME or INTERVAL value
			OST or START) s (RETRIEVE)	
			e (CANCEL)	
(8)	ADDRESS	4	IC_ADDR2	REQID value
			OST or START) lue (RETRIEVE)	
(C)	ADDRESS	4	IC_ADDR3	TRANSID value (START,CANCEL)
		SET address	s (POST)	
(10)	ADDRESS	4	IC_ADDR4	FROM address (START)
(14)	ADDRESS	4	IC_ADDR5	LENGTH value (START)
(18)	ADDRESS	4	IC_ADDR6	TERMID value (START)
(1C)	ADDRESS	4	IC_ADDR7	SYSID value (START,CANCEL)
(20)	ADDRESS	4	IC_ADDR8	RTRANSID value
		(START or F	RETRIEVE)	
(24)	ADDRESS	4	IC_ADDR9	RTERMID value
		(START or F	RETRIEVE)	
(28)	ADDRESS	4	IC_ADDRA	QUEUE value
		(START or F	RETRIEVE)	
(2C)	ADDRESS	4	IC_ADDRB	HOURS value
		(DELAY, PC	OST or START)	
(30)	ADDRESS	4	IC_ADDRC	MINUTES value
-		, ,	OST or START)	
(34)	ADDRESS	4	IC_ADDRD	SECONDS value
		,	OST or START)	
(38)	ADDRESS	4	IC_ADDRE	USERID value (START)
(3C)	ADDRESS	4	IC_ADDRF	System netname
(40)	ADDRESS	4	IC_ADDR10	BREXIT value (START)
(44)	ADDRESS	4	* (12)	Addresses 17-28
(74)	ADDRESS	4	IC_ADDR1D	BRDATA address (START)
(78)	ADDRESS	4	IC_ADDR1E	BRDATALENGTH value (START)

IC_EID (addressed by IC_ADDR0) gives the request type, and uses bits to identify those keywords that are valid and/or have been explicitly stated in the EXEC CICS command being processed. Note: Equates for IC_GROUP, IC_FUNCT, EIBRCODE, EIBRESP and EIBRESP2 values are defined at the end of this data structure.

Offset	Type	Len	Name (Dim)	Description	
Hex					
(0)	STRUCTURE	9	IC_EID		
(0)	CHARACTER	1	IC_GROUP	X'10' = Interval Control	
(1)	CHARACTER	1	IC_FUNCT	X'02' = Asktime	

X'04' = Delay X'06' = Post X'08' = StartX'0A' = RetrieveX'0C' = Cancel

The existence bits specify the parameters that are valid for

this command.

For example, IC_EXIST7 set on indicates that IC_ADDR7 is valid,

meaning that it addresses a SYSID value.

IC_ADDR0 is always valid and has no existence bit.

(2)	BITST	RING	1	IC_BITS1

IC_ EXIST1 is set if IC_ ADDR1 is valid.
IC_ EXIST1 is always set on DELAY, POST, RETRIEVE and CANCEL commands, or on a CANCEL command which specifies REQID.

IC_ EXIST1 may only be modified by a user exit program invoked

for a CANCEL command.

BITSTRING

1... IC_EXIST1 1... 1... IC_TIME_ INTERVAL_V IC_DELAY_ TIME_INTERVAL_V IC_POST_ 1... TIME_INTERVAL_V IC_START_ TIME_INTERVAL_V

Offset Hex	Туре	Len	Name (Dim)	Description
IICA	1		IC_RETRIEVE_	
	1		SET_INTO_V IC_CANCEL_ REQID_V	
IC_	EXIST2 is a specifie	d on a DELAY, POST or	E commands, or if REQID is r START command. user exit program invoked	
	for a DI	ELAY, POST or START	command.	
			IC_EXIST2 IC_REQID_V	
			IC_DELAY_ REQID_V IC_POST_ REQID_V	
	.1		IC_START_ REQID_V	
	.1		IC_RETRIEVE_ LENGTH_V	
IC_	EXIST3 is a TRANS EXIST3 ma	ID is specified on a CAN y only be modified by a	d POST commands, or if ICEL command. user exit program invoked	
		ANCEL command.	IC EVICTO	
	1.		IC_EXIST3 IC_TRANSID_V	
	1.	••••	IC_CANCEL_ TRANSID_V	
		••••	IC_START_ TRANSID_V IC_POST_ SET_V	
IC_	EXIST4 is s EXIST4 ma	et if IC_ ADDR4 is valid. set if a START command y only be modified by a TART command.		
			IC_EXIST4 IC_START_ FROM_V	
IC_	EXIST5 is s EXIST5 ma	et if IC_ ADDR5 is valid. tet if a START command y only be modified by a TART command.	d specifies LENGTH user exit program invoked	
		1	IC_EXIST5 IC_START_ LENGTH_V	
IC_	EXIST6 is s EXIST6 ma	et if IC_ ADDR6 is valid. tet if a START command y only be modified by a TART command.		
		.1	IC_EXIST6 IC_START_ TERMID_V	
IC_	EXIST7 is s EXIST7 ma		EL command specifies SYSID. user exit program invoked	
		1.	IC_EXIST7	
		1.	IC_SYSID_V IC_CANCEL_ SYSID_V IC_START_ SYSID_V	
IC_	EXIST8 is s RTRAN EXIST8 ma	SID.	EVE command specifies	
		1	IC_EXIST8	
		1	IC_RTRANSID_V IC_START_	
			RTRANSID_V	
-	••••	1	IC_RETRIEVE_ RTRANSID_V	
			words containing values.	
(3) IC_ I	BITST EXIST9 is se	RING 1 et if IC_ ADDR9 is valid.	IC_BITS2	
IC_	EXIST9 is s RTERM	et if a START or RETRI IID.	EVE command specifies user exit program invoked	
	for a ST	ART or RETRIEVE com	nmand.	
	1 1		IC_EXIST9 IC_RTERMID_V	
	1		IC_START_ RTERMID_V IC_RETRIEVE_ RTERMID_V	

Offset Hex	Туре	Len	Name (Dim)	Description
		if IC_ ADDRA is valid if a START or RETR	d. RIEVE command specifies	
IC_	EXISTA may	only be modified by a RT or RETRIEVE cor	user exit program invoked mmand.	
	.1		IC_EXISTA	
	.1		IC_QUEUE_V IC_START_ QUEUE_V	
	.1		IC_RETRIEVE_ QUEUE_V	
		if IC_ ADDRB is valid if a DELAY, POST o	d. or START command specifies	
IC_	EXISTB may	only be modified by a AY, POST or START	user exit program invoked command.	
	1		IC_EXISTB	
	1		IC_HOURS_V IC_DELAY_ HOURS_V	
	1		IC_POST_ HOURS_V IC_START_ HOURS_V	
IC.		if IC_ ADDRC is valid		
IC_	EXISTC is set MINUTES	if a DELAY, POST of	or START command specifies	
		AY, POST or START	a user exit program invoked command.	
	1 .		IC_EXISTC IC_MINUTES_V	
	1 .		IC_DELAY_ MINUTES_V	
	1 .		IC_POST_ MINUTES_V IC_START_	
			MINUTES_V	
		if IC_ ADDRD is valid if a DELAY, POST of	d. or START command specifies	
IC	SECONDS		user exit program invoked	
		AY, POST or START		
	1		IC_EXISTD IC_SECONDS_V	
	1	•••	IC_DELAY_ SECONDS_V	
	1		IC_POST_ SECONDS_V IC_START_	
			SECONDS_V	
		if IC_ ADDRE is valid if a START comman	d. d specifies a USERID	
			IC_EXISTE IC_START_ USERID_V	
		if IC_ ADDRF is vali t if a start is for it's P		
			IC_EXISTF IC_START_ SYSNET_V	PF starts
		et if IC_ ADDR10 is vet if START specifies	alid BREXIT with an argument	
		1 1	IC_EXIST10 IC_START_ BREXIT_V	BREXIT(value)
An	EIDOF	PT4 de by the exit are ign	ored	
(4)			IC_EIDOPT4	
	1 .1		IC_SYSEIB IC_NOEDF	Program uses SYSEIB NOEDF specified
	1	•••	IC_NOHANDLE	NOHANDLE specified
	1 1		*	Language identifying bits Reserved
keyv Som func Do r	next 4 bytes a words that were ne bits have motion being production test these be	5 - EIDOPT8 re the flagword bits the specified on the EX ore than one meaning essed, and thus have its unless you know its ecific command being	EC CICS command. g, depending on the command e multiple definitions. that the keywords	
	EIDC		y,	
(5)	BITSTRI 1111 1		IC_EIDOPT5	Reserved
			IC_RETRIEVE_ SET_X	Reserved SET (not INTO) specified on a RETRIEVE command. This bit may NOT be modified by a user exit.
		1	IC_START_ ATTACH_X	

fset lex	Туре	Len	Name (Dim)	Description
	ATTACH specified on command. This bit ma modified by a user exi	y NOT be		
	EIDOPT6			
(6)	BITSTRING 1	1	IC_EIDOPT6 IC_START_ ROUTABLE	
	.11		* IC_START_FMH_X	FMH specified on a START cmd.
	11		* IC_START_ PROTECT_X	
	1		IC_START_ NOCHECK_X	PROTECT specified on a START command.
				NOCHECK specified on a START command.
	EIDOPT7			
(7)	BITSTRING 11	1	IC_EIDOPT7 * IC_START_ HEADER_X	Reserved RTRANSID, RTERMID, FMH and/or QUEUE specified on a START command.
	1		IC_START_ HEADER_X IC_START_DATA_X IC_DELAY_TIME_X	FROM, RTRANSID, RTERMID, FMH and/or QUEUE specified on a START command. TIME (not INTERVAL) specified on a DELAY command.
	1 1		IC_POST_TIME_X IC_START_TIME_X	TIME (not INTERVAL) specified on a POST command. TIME (not INTERVAL) specified on a START command.
	1		IC_RETRIEVE_ WAIT_X	WAIT specified on a RETRIEVE command.
	1		IC_CANCEL_ REQID_X	REQID specified on a CANCEL command.
	1		IC_DELAY_ REQID_X IC_POST_ REQID_X	REQID specified on a DELAY command. REQID specified on a POST command.
	1		IC_START_ REQID_X	REQID specified on a START command.
	1.		* IC_START_ TERMID_X	Reserved TERMID specified on a START command.
	EIDOPT8			
(8)	BITSTRING	1	IC EIDOPT8	
(-)	1		IC_FORAFTER_X	Command specifies FOR or AFTER
	1		IC_DELAY_FOR_X	FOR (not UNTIL) specified on a DELAY command.
	1		IC_POST_ AFTER_X	AFTER (not AT) specified on a DELAY command.
	1		IC_START_ AFTER_X	AFTER (not AT) specified on a START command.
	.1		IC_ATUNTIL_X	Command specifies AT or UNTIL
	.1		IC_DELAY_ UNTIL_X	UNTIL (not FOR) specified on a DELAY command.
	.1		IC_POST_AT_X	AT (not AFTER) specified on a POST command.
	.1		IC_START_ AT_X	AT (not AFTER) specified on a START command.
	1		*	Reserved
	1		IC_START_ BREXIT_X	START BREXIT
	1		IC_START_ BRDATA_X	with BRDATA
	1		IC_START_ BRDATALENGTH_X	
			DRUMINELING III_X	and BRDATALENGTH *
	11		*	

The following definitions are for the rest of the arguments in the EXEC parameter list, addressed by IC_ADDR1 - IC_ADDRE in IC_ADDR_LIST.

IC_ DATA1 - Addressed by IC_ADDR1

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	IC DATA1	
(0)	CHARACTER	8	•	
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IC_INTERVAL	Value of INTERVAL
(0)	CHARACTER	4	IC_START_ INTERVAL	
(0)	CHARACTER	4	IC_DELAY_ INTERVAL	
(0)	CHARACTER	4	IC_POST_ INTERVAL	
(0)	CHARACTER	4	IC_TIME	Value of TIME
(0)	CHARACTER	4	IC_START_ TIME	
(0)	CHARACTER	4	IC_DELAY_ TIME	
(0)	CHARACTER	4	IC_POST_ TIME	
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	IC_CANCEL_REQID	Value of REQID on

Offset

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	CHARACTER	8	*	a CANCEL command.
Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	STRUCTURE CHARACTER	*	IC_RETRIEVE_INTO *	Value of DATA on a RETRIEVE INTO cmd
Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	STRUCTURE ADDRESS	4 4	IC_RETRIEVE_SET *	Pointer for SET on a RETRIEVE command

Name (Dim)

IC_DATA2 - Addressed by IC_ADDR2

(0) (0)	STRUCTURE CHARACTER	8 8	IC_DATA2 *		
Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	8	IC REQID	Value of REQID	
(0)	CHARACTER	8	IC_DELAY_REQID	Value of REQID on a DELAY cmd	
(0)	CHARACTER	8	IC_POST_REQID	Value of REQID on a POST cmd	
(0)	CHARACTER	8	IC_START_REQID	Value of REQID on a START cmd	
Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	2	IC_RETRIEVE_ LENGTH	Value of LENGTH on a RETRIEVE cmd	
(0)	HALFWORD	2	*		

Description

WARNING For requests that specify INTO do not change the value of IC_ RETRIEVE_ LENGTH to a value greater than that specified by the application. To do so causes a storage overlay in the application. IC_ DATA3 - Addressed by IC_ ADDR3

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IC_DATA3	
(0)	ADDRESS	4	IC_POST_SET	SET address on a POST command
(0)	CHARACTER	4	IC_TRANSID	Value of TRANSID
(0)	CHARACTER	4	IC_CANCEL_ TRANSID	
				Value of TRANSID on a CANCEL cmd
(0)	CHARACTER	4	IC_START_ TRANSID	
				Value of TRANSID on a START cmd

IC_DATA4 - Addressed by IC_ADDR4

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	IC_DATA4	
(0)	CHARACTER	*	IC_START_FROM	Data on a START command

IC_DATA5 - Addressed by IC_ADDR5

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	2	IC_DATA5	
(0)	HALFWORD	2	IC_START_LENGTH	Length of data on a START cmd

IC_DATA6 - Addressed by IC_ADDR6

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	4	IC_DATA6		
(0)	CHARACTER	4	IC START TERMID	Value of TERMID on a STA	RT cmd

IC_DATA7 - Addressed by IC_ADDR7

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IC_DATA7	
(0)	CHARACTER	4	IC_SYSID	Value of SYSID
(0)	CHARACTER	4	IC_START_SYSID	Value of SYSID on a START cmd
(0)	CHARACTER	4	IC_CANCEL_ SYSID	Value of SYSID on a CANCEL cmd

IC_DATA8 - Addressed by IC_ADDR8

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IC_DATA8	
(0)	CHARACTER	4	IC_RTRANSID	Value of RTRANSID
(0)	CHARACTER	4	IC_START_ RTRANSID	Value of RTRANSID on a START cmd
(0)	CHARACTER	4	IC_RETRIEVE_	
			RTRANSID	
				Value of RTRANSID on a RETRIEVE cmd

IC_DATA9 - Addressed by IC_ADDR9

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IC_DATA9	
(0)	CHARACTER	4	IC_RTERMID	Value of RTERMID
(0)	CHARACTER	4	IC_START_ RTERMID	Value of RTERMID on a START cmd
(0)	CHARACTER	4	IC_RETRIEVE_ RTERMID	
				Value of RTERMID on a RETRIEVE cmd

IC_DATA10 - Addressed by IC_ADDRA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	IC_DATA10	
(0)	CHARACTER	8	IC_QUEUE	Value of QUEUE
(0)	CHARACTER	8	IC_START_QUEUE	Value of QUEUE on a START cmd
(0)	CHARACTER	8	IC_RETRIEVE_ QUEUE	
				Value of OHFHE on a RETRIEVE cmd

IC_DATA11 - Addressed by IC_ADDRB

Offset Hex	Type	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IC_DATA11	
(0)	CHARACTER	4	IC_HOURS	Value of HOURS
(0)	CHARACTER	4	IC_DELAY_HOURS	Value of HOURS on a DELAY cmd
(0)	CHARACTER	4	IC_POST_HOURS	Value of HOURS on a POST cmd
(0)	CHARACTER	4	IC_START_ HOURS	Value of HOURS on a START cmd

IC_DATA12 - Addressed by IC_ADDRC

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IC_DATA12	
(0)	CHARACTER	4	IC_MINUTES	Value of MINUTES
(0)	CHARACTER	4	IC_DELAY_ MINUTES	Value of MINUTES on a DELAY cmd
(0)	CHARACTER	4	IC_POST_ MINUTES	Value of MINUTES on a POST cmd
(0)	CHARACTER	4	IC_START_ MINUTES	
` '				Value of MINUTES on a START cmd

IC_DATA13 - Addressed by IC_ADDRD

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IC_DATA13	
(0)	CHARACTER	4	IC_SECONDS	Value of SECONDS
(0)	CHARACTER	4	IC_DELAY_ SECONDS	Value of SECONDS on a DELAY cmd
(0)	CHARACTER	4	IC_POST_ SECONDS	Value of SECONDS on a POST cmd
(0)	CHARACTER	4	IC_START_ SECONDS	
				Value of SECONDS on a START cmd

IC_DATA14 - Addressed by IC_ADDRE

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	8	IC_DATA14		
(0)	CHARACTER	8	IC_START_USERID	Value of USERID on START command	
IC_DATA15 - Addressed by IC_ADDRF					

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	8	IC_DATA15		
(0)	CHARACTER	8	IC_START_SYSNET	Value of SYSNET	

IC DATA16 - Addressed by IC ADDR10		

(0) (0)	STRUCTURE CHARACTER	8	IC_DATA16 IC_START_BREXIT	Value BREXIT			
	IC DATA29 - Addressed by IC ADDP4D						

Description

_DATA29 - Addressed by IC_ADDR1D	

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	IC_DATA29	

Name (Dim)

Len

Offset

Туре

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	CHARACTER	*	IC_START_BRDATA	Address BRDATA

IC_DATA30 - Addressed by IC_ADDR1E

Hex	туре	Len	Name (DIM)	Description
(0)	STRUCTURE	4	IC_DATA30	
(0)	FULLWORD	4	IC_START_	
			RDDATALENGTH	

Value BRDATALENGTH

Constants

.en	Type HEX	Value 10	Name IC_INTERVAL_GROUP	Description
Equat	es for IC_ FUNCT	values.		
	HEX	02	IC_ASKTIME	Asktime
	HEX	04	IC_DELAY	Delay
	HEX	06	IC_POST	Post
	HEX	08	IC_START	Start
	HEX	0A	IC_RETRIEVE	Retrieve
	HEX	0C	IC_CANCEL	Cancel
		rogramming Interface. E values used by Interval C	ontrol.	
	HEX	00	IC_OK_EIBRCODE	ОК
	HEX	01	IC_ENDDATA_ EIBRCODE	ENDDATA
	HEX	04	IC_IOERR_EIBRCODE	IOERR
	HEX	11	IC_TRANSIDERR_ EIBRCODE	TRANSIDERR
	HEX	1B	IC_PGMIDERR_ EIBRCODE	PGMIDERR
	HEX	20	IC_EXPIRED_ EIBRCODE	EXPIRED
	HEX	81	IC_NOTFND_EIBRCODE	NOTFND
	HEX	D0	IC_SYSIDERR_ EIBRCODE	SYSIDERR
	HEX	D1	IC_ISCINVREQ_ EIBRCODE	ISCINVREQ
	HEX	D6	IC_NOTAUTH_ EIBRCODE	NOTAUTH
	HEX	E1	IC_LENGERR_ EIBRCODE	LENGERR
	HEX	E9	IC_ENVDEFERR_ EIBRCODE	ENVDEFERR
	HEX	D8	IC USERIDERR EIBRCODE	USERIDERR
	HEX	FF	IC_INVREQ_EIBRCODE	INVREQ
Equ	ates for EIBRESP	values used by Interval Con	ntrol.	
	DECIMAL	0	IC_OK_EIBRESP	OK
	DECIMAL	13	IC_NOTFND_EIBRESP	NOTFND
	DECIMAL	16	IC_INVREQ_EIBRESP	INVREQ
	DECIMAL	17	IC IOERR EIBRESP	IOERR
	DECIMAL	22	IC_LENGERR_EIBRESP	1021111
	DECIMAL	27	IC PGMIDERR EIBRESP	PGMIDERR
	DECIMAL	28	IC_TRANSIDERR_ EIBRESP	TRANSIDERR
	DECIMAL	29	IC_ENDDATA_EIBRESP	ENDDATA
	DECIMAL	31	IC_EXPIRED_EIBRESP	EXPIRED
	DECIMAL	53	IC_SYSIDERR_ EIBRESP	SYSIDERR
	DECIMAL	54	IC ISCINVREQ EIBRESP	ISCINVREQ
	DECIMAL	56	IC_ENVDEFERR_ EIBRESP	ENVDEFERR
	DECIMAL	69	IC USERIDERR EIBRESP	USERIDERR
	DECIMAL	70	IC_NOTAUTH_EIBRESP	NOTAUTH
Equ		values used by Interval Co		e.ne.n
	DECIMAL	0	IC OK EIBRESP2	OK
	DECIMAL	1	IC_ROUTER_	Router rejected start request
	DECIMAL	•		Notici rejected start request
	DECIMAN	4	REJECTED_EIBRESP2	House out of some
	DECIMAL	4	IC_INVHRS_EIBRESP2	Hours out of range
	DECIMAL	5	IC_INVMINS_ EIBRESP2	Minutes out of range
	DECIMAL	6	IC_INVSECS_ EIBRESP2	Seconds out of range
	DECIMAL	7	IC_NOTAUTH_ EIBRESP2	Request not authorised
	DECIMAL	8	IC_USERID_ NOT_DEFINED_EIBRESP2	Userid not known
	DECIMAL	9	IC_SURROGATE_	Surrogate check failed
	DEOLLA	40	FAILURE_EIBRESP2	Ologia washla ta datawataa wa ifa ifa ifa ifa ifa ifa ifa ifa ifa if
	DECIMAL	10	IC_USERID_ NOT_DETERMINED_ EIBRESP2	CICS is unable to determine whether the userid exists
	DECIMAL	18	IC_SECURITY_ INACTIVE_EIBRESP2	SEC=NO specified on SIT
	DECIMAL	11	IC_REMOTE_ ATTACH_EIBRESP2	tried to ship ATTACH

Len	Туре	Value	Name	Description
1	DECIMAL	12	IC_ATTACH_	ATTACH failed
			FAILED_EIBRESP2	
1	DECIMAL	13	IC_NO_BREXIT_ EIBRESP2	No brexit specified
1	DECIMAL	14	IC_NOT_AUTH_	Not auth for brexit
			BREXIT_EIBRESP2	
1	DECIMAL	15	IC_TRANSID_	Transid not found
			NOT_FOUND_EIBRESP2	
1	DECIMAL	16	IC_TRANSID_	Transid disabled
			DISABLED_EIBRESP2	
1	DECIMAL	17	IC_TRANSID_	Not enabled for shutdown
			SHUTDOWN_EIBRESP2	
1	DECIMAL	18	IC_TRANSID_	System transid *-*-*-*-**-**-**-* End of General Use **-*
			SYSTEM EIBRESP2	*-* Programming Interface *-* *-*-*-**-**-**-**-*

Function request shipping message **IMSDS**

```
CONTROL BLOCK NAME = DFHIMSDS
DESCRIPTIVE NAME = CICS Function Request Shipping Message
                      Insert Area.
FUNCTION =
        Description of message insert information chained off
        ISC TCTTE during session failure while in doubt.
LIFETIME =
STORAGE CLASS =
LOCATION =
INNER CONTROL BLOCKS =
  DEPENDENCIES = S/370
RESTRICTIONS =

MODULE TYPE = Control block definition

EXTERNAL REFERENCES =

DATA AREAS =
   CONTROL BLOCKS =
   GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHIMSDS	
(0)	FULLWORD	4		SAA (CLASS=CONTROL)
(4)	ADDRESS	4	(10)	Parm address list for MGP
(2C)	BITSTRING	6	ISMDESC	Message descriptor for MGP
(32)	ADDRESS	2		Reserved
(2E)	HALFWORD	2	ISMMSGNO	Message number
(34)	CHARACTER	6	ISMISTM	LL & ISC terminal
(3A)	CHARACTER	6	ISMRSYS	LL & remote system id
(40)	CHARACTER	6	ISMTRAN	LL & transaction id
(46)	CHARACTER	6	ISMOPTM	LL & operator's terminal
(4C)	CHARACTER	5	ISMOPID	LL & operator id
(51)	CHARACTER	7	ISMTKNO	LL & task number (packed)
(58)	CHARACTER	11	ISMTIME	LL & time hh:mm:sss
(63)	CHARACTER	4	ISMMODID	LL & module id
(67)	CHARACTER	41	ISMUOWID (0)	Full formatted UOW id def
(67)	HALFWORD	2	ISMUWLEN	UOW length excluding this field
(69)	CHARACTER	17	ISMUWLUN	LU name (NB variable length)
	offsets of the following			
length o	of the variable length	field ISMUW	LUN is less than 17.	
(7A)	CHARACTER	3	ISMUWC1	A constant
(7D)	CHARACTER		ISMUWTKN	Token
(89)	CHARACTER	2	ISMUWC2	A constant
(8B)	CHARACTER	5	ISMUWSEQ	Sequence number
	11		ISMEND	H★H
	.1.1 11		ISMKPL	"ISMEND-*" Length to be keypointed
(34)	CHARACTER	1	ISMKP	Bytes to be keypointed
	11		ISMLEN	"ISMEND-DFHIMSDS" Dsect length

IRC Interregion control blocks

CONTROL BLOCK NAME = DFHIRSPS DESCRIPTIVE NAME = CICS Interregion Control Blocks FUNCTION = Descriptions of all inter-region communication control blocks which are visible to the subsystem level of inter-region communication. The control blocks defined are: SLCB Subsystem Logon Control Block SCCB Subsystem Connection Control Block SCACB(E) Subsystem Connection Address Control Block DEPENDENCIES = S/370 RESTRICTIONS = N/A MODULE TYPE = Control block definition Subsystem Logon Control Block This DSECT describes the format of the SLCB which is the control block that contains the information relevant to the logon session which is of interest to the sybsystem

level of inter-region communication. First define the format of the fields in the SLCB.

Offset Hex	Туре	Len	Name (Dim)	Description		
(0)	STRUCTURE	16	SLCB			
(0)	FULLWORD	4	SLCBLECB	Logon (Master) ECB		
(4)	FULLWORD	4	SLCBSCAC	SCACB Address		
(8)	CHARACTER	4	SLCBSTTS	Status bytes		
(8)	CHARACTER	1	SLCBSTS1	Status byte 1		
FLA	FLAGS IN STATUS BYTE 1: LCBSTTS1 OR SLCBSTS1					
	1		LCBFAM31	'80'X User of LCB is AMODE(31)		
	.1		LCBFQUIP	'40'X Normal quiesce in progress		
	1		LCBFQUIM	'20'X Immediate quiesce		
	1		LCBFSPST	'10'X System Post		
	1		LCBFBTCH	'08'X Batching of opsys		
	1		LCBFBTCP	'04'X Batch=Postexit		
	1.		LCBFBEXL	'02'X Exit Loaded		
	1		LCBFUNIQ	'01'X LCB corresponds to a UNIQUE user		
(9)	CHARACTER	1	SLCBSTS2	Status byte 2		
FLA	GS IN STATUS BYT	E 2: LCBS1	TTS2 OR SLCBSTS2			
	1		LCBFNWCN	'80'X New connector: scan ECBs		
	.1		LCBFQUCM	'40'X Quiesce complete		
	1		LCBFSWFS	'20'X Switch First received		
	1		LCBFDSCR	'10'X Disconnect received		
	1		LCBFJOIN	'08'X IXCJOIN may have been done@LAA		
	1		LCBFLVIP	'04'X IXCLEAVE in flight		
	11		*	Reserved		
(A)	BITSTRING	1	SLCBSTS3	Status byte 3		
(B)	CHARACTER	1	SLCBSTS4	Status byte 4		
FLA	GS IN STATUS BYT	E 4: LCBS1	TTS4 OR SLCBSTS2			
	1		LCBSRBSE	'80'X Serialization with work queue processor		
	.111 1111		*	Reserved		
(C)	ADDRESS	4	SLCBLCB	Address of LCB		

Subsystem Connection Control Block
This DSECT defines the SCCB, the control block which
contains the information about a particular connection
which can be accessed by the subsystem level of interregion communication function.
First define the format of the fields in the SCCB.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	96	SCCB	
(0)	FULLWORD	4	SCCBDECB	Dependent ECB
(4)	FULLWORD	4	SCCBTHNM	Thread number
(8)	FULLWORD	4	SCCBTHID	Thread identification
(C)	CHARACTER	4	SCCBSTAT	Status bytes
(C)	CHARACTER	1	SCCBSTS1	Status byte 1
	1		CCBFNWCN	'80'X New connecter
	.1		*	'40'X Was CCBFCNTR - now reserved
	1		CCBFSWDT	'20'X Data passed with switch
	1		CCBFSWFS	'10'X Switch First received

Offset Hex	Туре	Len	Name (Dim)	Description
	1		CCBFDTNF	'08'X Data doesn't fit
	1		CCBFDWP	'04'X Disconnect when possible
	1.		CCBFSWIT	'02'X Invalid target for switch
	1.		CCBFUNEX	'02'X Unexpected failure in SRB/subtask
	1		CCBIRCWT	'01'X This side is waiting for a session recovery response from the other side.
(D)	CHARACTER	1	SCCBSTS2	Status byte 2
FLA	AGS IN STATUS BY	ΓE 2:		
	1		CCBFTERM	'80'X Other side terminated normally
	.1		CCBFABTM	'40'X Other side terminated abnormally
	1		CCBFABTQ	'20'X Abnormal termination due to Quiesce
	1		CCBFCNCT	'10'X The connection is currently connected
	1		CCBFFTRM	'08'X Other side's normal disc. requests FORGET
(E)	BITSTRING	1	SCCBSTS3	Status byte 3
	1		CCBFPRIM	'80'X This is a primary SCCB
(F)	BITSTRING	1	SCCBSTS4	Status byte 4
(10)	FULLWORD	4	SCCBDLTH	Total length of data passed
(14)	FULLWORD	4	SCCBSLTH	Target area length
(18)	ADDRESS	4	SCCBAREA	Target area address
(1C)	CHARACTER	8	SCCBCNAM	Connector LOGON name
(24)	FULLWORD	4	SCCBUSER	User field
(28)	CHARACTER	8	SCCBSEC	Security user field
(30)	ADDRESS	4	SCCBELA	SCCB associated work element
(38)	CHARACTER	8	SCCBCTIM	STCK time at which connection connected
(40)	CHARACTER	8	SCCBSTOD	STCK time by when the secondary TCB had chosen a specific instance of the target primary
(48)	CHARACTER	24	SCCBEL	SCCB internal work element

Subsystem Connection Address Control Block These DSECTs define the format of the SCACB and its entries. The SCACB is used by the subsystem level of interregion communication function to obtain the addresses of the SCCBs representing its connections.

Logon Connections List This list is passed to logon by the requester, and it describes the systems to which this logger-on can be connected.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	22	LCL	
(0)	CHARACTER	8	LCLNAME	Name of connected system
(8)	CHARACTER	8	LCLUSRID	Was security userid (ignored)
(10)	UNSIGNED	2	LCLSECNO	Number of secondaries for connections to given system
(12)	UNSIGNED	2	LCLPRMNO	Number of primaries for connections to given system
(14)	BITSTRING	1	LCLFLG	Flag byte
	1		LCLFLGLS	'80'X Last element in list
	.1		LCLFLGCN	'40'X Connections to this system are initially 'IN SERVICE'
	1		LCLFLGSK	'20'X Partner must be a system key user
	1		LCLFLGXM	'10'X Cross-Memory acceptable
(15)	BITSTRING	1	*	Reserved

The SVC argument list comprises a list of addresses, each of which is the address of a function argument list.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	IRSVCADS	
(0)	FULLWORD	4	IRVCAARG	Address of function argument list

The function argument list, addressed from the SVC argument list, contains different arguments according to the function being requested. The first six arguments identify the function required, the function modifier (for SWITCH, DISCONNECT or QUIESCE), the user number and identification, and the thread number and identification (where required). The remaining three arguments depend on the function requested and identify a system name (for LOGON, INSERV or QUIESCE), a subsystem control block address (for LOGON or CONNECT) and a parameter list (for LOGON or SWITCH).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	IRSVCFDS	
(0)	UNSIGNED	1	IRVCLEN	Length of parameter list
(1)	UNSIGNED	1	IRVCTYP	Function type
(2)	HALFWORD	2	IRVCSTYP	Function modifier
(4)	FULLWORD	4	IRVCUSID	Address of userid argument (except LOGON) OR userid return slot (LOGON only)
(8)	FULLWORD	4	IRVCTHID	Address of thread ID argument (SWITCH, PULL or DISCONNECT only) or thread number return slot (CONNECT only)
(C)	CHARACTER	12	IRVCALST	Start of function specific argument list
(18)	CHARACTER		IRVCEND	
Offset	Туре	Len	Name (Dim)	Description
Hex			, ,	·
(8)	STRUCTURE	4	IRVCLGFL	Logon flags
(8)	UNSIGNED	1	IRVCLGF1	First flag byte
	1		IRVCLGSP	SYS POST req'd on links
	.1		IRVCLGBT	Batching of operating system POSTs
	1		IRVCLGBX	BATCH=POSTEXIT
	1		IRVCLEXM	Exit module name given
	1		IRVCLELT	Latent parameter supplied on logon
	1		IRVCLDOK	Allow duplicate names for this logon
(=\	11		*	Reserved
(9)	UNSIGNED	1	IRVCLGF2	Second flag byte
(A)	UNSIGNED	1	IRVCLGBV	Batching value (IRVCLGBT set)
(B)	UNSIGNED	1	IRVCLGGM	GETMAIN above if SVCLOC=ANY
	1		IRVCLSVC	1 SVCLOC=ANY, 0 SVCLOC=BELOW
	.111 1111		•	Reserved
Offset	Туре	Len	Name (Dim)	Description
Hex			Name (Dim)	·
Hex (C)	STRUCTURE	20	*	Argument list for LOGON
Hex (C) (C)	STRUCTURE FULLWORD	20 4	* IRVCLGIM	Argument list for LOGON Address of MYNAME argument
Hex (C) (C) (10)	STRUCTURE FULLWORD FULLWORD	20 4 4	* IRVCLGIM IRVCLGSL	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot
Hex (C) (C) (10) (14)	STRUCTURE FULLWORD FULLWORD FULLWORD	20 4 4 4	* IRVCLGIM IRVCLGSL IRVCLGMU	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument
Hex (C) (C) (10) (14) (18)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD	20 4 4 4 4	* IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name
Hex (C) (C) (10) (14)	STRUCTURE FULLWORD FULLWORD FULLWORD	20 4 4 4	* IRVCLGIM IRVCLGSL IRVCLGMU	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument
Hex (C) (C) (10) (14) (18) (1C)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD	20 4 4 4 4 4	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGET	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter
Hex (C) (C) (10) (14) (18) (1C)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD	20 4 4 4 4	* IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name
Hex (C) (C) (10) (14) (18) (1C) Offset Hex	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD	20 4 4 4 4 4 4	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGET	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD TULLWORD TYPE STRUCTURE	20 4 4 4 4 4 4 Len	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGET	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD	20 4 4 4 4 4 4 Len	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGET	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD TULLWORD TYPE STRUCTURE	20 4 4 4 4 4 4 Len	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGET	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C) (10)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD CHARACTER	20 4 4 4 4 4 4 4 Len	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) * IRVCLODS	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD	20 4 4 4 4 4 4 Len	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGET	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C) (10)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD CHARACTER	20 4 4 4 4 4 4 4 Len	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) * IRVCLODS	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (D) (10) Offset Hex	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD CHARACTER	20 4 4 4 4 4 4 1 12 4 8	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) * IRVCLODS	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand Description
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C) (10) Offset Hex (C) (C) (10)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD CHARACTER Type STRUCTURE	20 4 4 4 4 4 4 4 Len 12 4 8	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGET Name (Dim) * IRVCLODS *	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand Description Argument list for CONNECT
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C) (10) Offset Hex (C) (C) (C) (C) (C) (C)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD TULLWORD Type STRUCTURE FULLWORD CHARACTER Type STRUCTURE FULLWORD	20 4 4 4 4 4 4 4 Len 12 4 8	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) IRVCLODS Name (Dim) * IRVCLODS	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand Description Argument list for CONNECT Address of TO argument
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C) (10) Offset Hex (C) (10)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD Type STRUCTURE FULLWORD STRUCTURE FULLWORD FULLWORD STRUCTURE FULLWORD FULLWORD	20 4 4 4 4 4 4 Len 12 4 8	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) IRVCLODS Name (Dim) * IRVCLODS	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand Description Argument list for CONNECT Address of TO argument
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C) (10) Offset Hex (C) (C) (10) Offset Hex (C) (C) (10) Offset Hex	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD Type STRUCTURE FULLWORD STRUCTURE FULLWORD FULLWORD STRUCTURE FULLWORD FULLWORD	20 4 4 4 4 4 4 Len 12 4 8	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) IRVCLODS Name (Dim) * IRVCLODS	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand Description Argument list for CONNECT Address of TO argument
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C) (10) Offset Hex (C) (C) (10) (14)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD CHARACTER Type STRUCTURE FULLWORD CHARACTER	20 4 4 4 4 4 4 Len 12 4 8	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) IRVCLODS IRVCLODS IRVCCNTO IRVCCNSC	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand Description Argument list for CONNECT Address of TO argument Address of SCCB addr return slot Description
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (10) Offset Hex (C) (10) (14) Offset Hex (C)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD CHARACTER Type STRUCTURE FULLWORD CHARACTER	20 4 4 4 4 4 4 4 Len 12 4 8 Len 12 4 4	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) IRVCLODS IRVCLODS IRVCCNTO IRVCCNSC	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand Description Argument list for CONNECT Address of TO argument Address of SCCB addr return slot
Hex (C) (C) (10) (14) (18) (1C) Offset Hex (C) (C) (10) Offset Hex (C) (C) (10) (14)	STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE FULLWORD CHARACTER Type STRUCTURE FULLWORD CHARACTER Type STRUCTURE FULLWORD CHARACTER	20 4 4 4 4 4 4 Len 12 4 8 Len 12 4 4 4	IRVCLGIM IRVCLGSL IRVCLGMU IRVCLGEX IRVCLGLT Name (Dim) IRVCLODS IRVCLODS IRVCCNTO IRVCCNSC	Argument list for LOGON Address of MYNAME argument Address of SLCB addr return slot Address of max users argument Addr of exit module name Addr of latent parameter Description Argument list for LOGOFF Address of dynamic storage operand Description Argument list for CONNECT Address of TO argument Address of SCCB addr return slot Description Argument list for SWITCH

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	FULLWORD	4	IRVCSWPM	Address of parameter to pass
Offset Hex	Туре	Len	Name (Dim)	Description
(C)	STRUCTURE	12	*	Argument list for QUIESCE
(C)	FULLWORD	4	IRVCQUTO	Address of TO argument
(10)	CHARACTER	8	*	•
Offset Hex	Туре	Len	Name (Dim)	Description
(C)	STRUCTURE	12	*	Argument list for INSERV
(C)	FULLWORD	4	IRVCINTO	Address of TO argument
(10)	CHARACTER	8	*	
Offset Hex	Туре	Len	Name (Dim)	Description
(C)	STRUCTURE	12	*	Argument list for RECOVER
(C)	FULLWORD	4	*	Reserved
(10)	FULLWORD	4	IRVCRCRS	Register 13 save area
(14)	FULLWORD	4	IRVCRCSA	Address of save area argument
Offset	Туре	Len	Name (Dim)	Description
Hex (C)	STRUCTURE	12	*	Argument list for EOT/M CLEAR
(C)	HALFWORD	2	IRVCEOAS	ASID of failing memory or ASID of memory containing failing task
(E)	HALFWORD		IIIVOLOAG	AGID of failing memory of AGID of memory containing failing task
(-)		2	*	Reserved
(10)		2 4	* IRVCEOTA	Reserved TCB address of failing task
(10) (14)	FULLWORD FULLWORD		* IRVCEOTA IRVCEOSC	Reserved TCB address of failing task Address of SSCT
	FULLWORD	4		TCB address of failing task
(14)	FULLWORD	4		TCB address of failing task
Offset Hex	FULLWORD FULLWORD	4 4 Len	IRVCEOSC	TCB address of failing task Address of SSCT Description
Offset Hex (C)	FULLWORD FULLWORD Type STRUCTURE	4 4 Len 12	IRVCEOSC Name (Dim)	TCB address of failing task Address of SSCT Description Argument list for ADD
Offset Hex (C) (C)	FULLWORD FULLWORD Type STRUCTURE FULLWORD	4 4 Len	IRVCEOSC	TCB address of failing task Address of SSCT Description Argument list for ADD Pointer to netname (=IRVCLGIM)
Offset Hex (C)	FULLWORD FULLWORD Type STRUCTURE	4 4 Len 12 4	IRVCEOSC Name (Dim) * IRVCANM	TCB address of failing task Address of SSCT Description Argument list for ADD
Offset Hex (C) (C) (10)	Type STRUCTURE FULLWORD FULLWORD	4 4 Len 12 4 4	IRVCEOSC Name (Dim) IRVCANM IRVCATOK	TCB address of failing task Address of SSCT Description Argument list for ADD Pointer to netname (=IRVCLGIM) ADD token pointer
Offset Hex (C) (C) (10) (14)	Type STRUCTURE FULLWORD FULLWORD	4 4 Len 12 4 4	IRVCEOSC Name (Dim) IRVCANM IRVCATOK	TCB address of failing task Address of SSCT Description Argument list for ADD Pointer to netname (=IRVCLGIM) ADD token pointer
Offset Hex (C) (C) (10) (14) Offset Hex	Type STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD	4 4 Len 12 4 4 4 Len	IRVCEOSC Name (Dim) IRVCANM IRVCATOK IRVCALCL	TCB address of failing task Address of SSCT Description Argument list for ADD Pointer to netname (=IRVCLGIM) ADD token pointer A(LCL) - same offset as LOGON Description
Offset Hex (C) (14) Offset Hex (C) (10) (14) Offset Hex (C)	Type STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD Type STRUCTURE	4 4 Len 12 4 4 4 4	Name (Dim) IRVCANM IRVCATOK IRVCALCL Name (Dim)	TCB address of failing task Address of SSCT Description Argument list for ADD Pointer to netname (=IRVCLGIM) ADD token pointer A(LCL) - same offset as LOGON Description Argument list for CHCKLEVL
Offset Hex (C) (C) (10) (14) Offset Hex	Type STRUCTURE FULLWORD FULLWORD FULLWORD FULLWORD FULLWORD	4 4 Len 12 4 4 4 Len	IRVCEOSC Name (Dim) IRVCANM IRVCATOK IRVCALCL	TCB address of failing task Address of SSCT Description Argument list for ADD Pointer to netname (=IRVCLGIM) ADD token pointer A(LCL) - same offset as LOGON Description

Constants

Len	Type	Value	Name	Description	
4	DECIMAL	16	SLCBLENG	Length of SLCB	
4	DECIMAL	96	SCCBLENG	Length of SCCB	
1	HEX	80	IRXMTHRD	If not XCF, X-Memory thread	
1	HEX	40	IRNXTHRD	Non-XCF thread ID	
4	DECIMAL	8	SCACBLEN	Basic SCACB length	
4	DECIMAL	4	SCACBELN	Length of SCACB entry	
4	DECIMAL	22	LCLLENG	Connection list element length	
4	DECIMAL	24	IRVCMAXM	Maximum parameter length	
4	DECIMAL	1	IRVCLVL1	Function Ivl 1 - basic XCF	
4	DECIMAL	2	IRVCLVL2	Function IvI 2 - FORGET	

The following equates define the function request The following equals define the traction request codes for the Interregion Communication Program.

There are two levels of function request defined here:
The SVC function code addressed from the SVC argument list and the function type qualification code addressed from the function argument list for particular functions.

	SVC FUNCTION	CODES			
1	DECIMAL	0	IRVCEQLG	LOGON	
1	DECIMAL	4	IRVCEQLF	LOGOFF	
1	DECIMAL	8	IRVCEQCN	CONNECT	
1	DECIMAL	12	IRVCEQDC	DISCONNECT	
1	DECIMAL	16	IRVCEQSW	SWITCH	
1	DECIMAL	20	IRVCEQQU	QUIESCE	
1	DECIMAL	24	IRVCEQPL	PULL	
1	DECIMAL	28	IRVCEQIN	INSERV	

Len	Type	Value	Name	Description
1	DECIMAL	32	IRVCEQCL	CLEAR
1	DECIMAL	36	IRVCEQRC	RECOVER
1	DECIMAL	40	IRVCEQEO	EOT/M CLEAR
1	DECIMAL	44	IRVCEQMX	Immediate Quiesce
1	DECIMAL	48	IRVCEQAD	Connection ADD
1	DECIMAL	52	IRVCEQCK	Check DFHIRP level
	FUNCTION QUAL	IFICATION CODES		
1	DECIMAL	0	IRVCEQDN	Normal DISCONNECT
1	DECIMAL	4	IRVCEQDA	Abnormal DISCONNECT
1	DECIMAL	8	IRVCEQDF	FORGET disc (normal quies
1	DECIMAL	0	IRVCEQQN	Normal QUIESCE
1	DECIMAL	4	IRVCEQQI	Immediate QUIESCE
1	DECIMAL	0	IRVCEQSS	SWITCH SUBSEQUENT
1	DECIMAL	4	IRVCEQSF	SWITCH FIRST
1	DECIMAL	0	IRVCEQRP	Recover from program check
1	DECIMAL	4	IRVCEQRA	Recover from ABEND
1	DECIMAL	0	IRVCEQET	End of Task
1	DECIMAL	4	IRVCEQEC	End of Cross Memory Resource Owner Task
1	DECIMAL	8	IRVCEQEM	End of Memory
1	DECIMAL	0	IRVCEQPR	ADD_PREPARE
1	DECIMAL	4	IRVCEQCM	ADD_COMMIT
1	DECIMAL	8	IRVCEQRL	ADD_ROLLBACK
	Error Return	Codes		

The following equates define the return codes passed back by the interregion communication SVC when it

IN۷	ALID REQUEST ERRO	OR RETURN CODES		
	DECIMAL	4	IRERRINF	Invalid function requested
	DECIMAL	8	IRERRAUT	User not authorized to use SVC (MVS only)
VA	LIDATE SUDB ERROR	RETURN CODES		· · · · · · · · · · · · · · · · · · ·
	DECIMAL	12	IRERRINE	Environment incorrect
VA	LIDATE USER ERROR	RETURN CODES		
	DECIMAL	16	IRERRUNM	Invalid user number
	DECIMAL	20	IRERRUID	Invalid user identification
	DECIMAL	24	IRERRKEY	PSW key not same as at LOGON
\/Δ	LIDATE THREAD ERR			. On hely helt dame de di 2000.
/	DECIMAL		IDEDDILIN	layed dhacad ayaabaa
	DECIMAL	28 32	IRERRTHN IRERRTHD	Invalid thread number Invalid thread ID
			IRERRIND	invalid tritead iD
SE	T FOOTPRINT ERROR			
	DECIMAL	36	IRERRCFT	Set footprint failed
СН	ICKLEVL-SPECIFIC ER	ROR RETURN CODES		
	DECIMAL	40	IRERRLVE	* DFHIRP services are down-level
МС	DRE VALIDATE USER	ERROR RETURN CODES		
	DECIMAL	44	IRERRLGN	Valid userno & ID but LCB not fully logged on
LO	GON-SPECIFIC ERRO	R RETURN CODES		
	DECIMAL	52	IRERRNOS	No SCTE in the SVA
	DECIMAL	56	IRERRNFL	No free LACBE for LOGON
	DECIMAL	60	IRERRDPL	Duplicate LOGON
	DECIMAL	64	IRERRMXL	Maximum LOGONs already reached
	DECIMAL	68	IRERRGMD	GETMAIN failed XCF busy retry TQE storage
	DECIMAL	72	IRERRGM1	GETMAIN failed LACB storage
	DECIMAL	76	IRERRGM4	GETMAIN failed SUDB storage
	DECIMAL	80	IRERRGM2	GETMAIN failed LCB/CCB storage
	DECIMAL	84	IRERRGM3	GETMAIN failed - private area storage
	DECIMAL	1	IRERQSCW	IRERRGM3 qualifier security work area
	DECIMAL	2	IRERQLCC	IRERRGM3 qualifier LCL copy area
	DECIMAL	3	IRERQVFW	IRERRGM3 qualifier SSI VERIFY work area
	DECIMAL	4	IRERQSDW	SUDB work area security work area
	DECIMAL	5	IRERQJSB	IRERRGM3 qualifier JSB storage
	DECIMAL	6	IRERQSCA	IRERRGM3/IRERRSIZ qualifier SCACB storage
	DECIMAL	7	IRERQLCV	IRERRGM3/IRERRSIZ qualifier LCBE vector storage
	DECIMAL	8	IRERQLCD	IRERRGM2/IRERRSIZ qualifier LCBD, LCBE & CCB storage
	DECIMAL	9	IRERQSCC	IRERRGM3/IRERRSIZ qualifier SCCB storage
	DECIMAL	10	IRERQLCX	IRERRGM3/IRERRSIZ qualifier LCBEX & CCBX storage
	DECIMAL	11	IRERQPHB	IRERRGM3/IRERRSIZ qualifier PHB storage
	DECIMAL	12	IRERQSLC	IRERRGM3/IRERRSIZ qualifier SLCB storage
	DECIMAL	13	IRERQSEC	IRERRGM3/IRERRSIZ qualifier SRB work area
	DECIMAL	14	IRERQXTT	IRERRGM3/IRERRSIZ qualifier XCF Trace Table
	DECIMAL	15	IRERQXTI	IRERRGM3/IRERRSIZ qualifier QUERY SYSPLEX work area
	DECIMAL	16	IRERQGSW	IRERRGM3/IRERRSIZ qualifier QUERT STSPLEX Work area
	DECIMAL	17	IRERQGXW	IRERRGM3/IRERRSIZ qualifier XCF Group Exit work area
	DECIMAL	18	IRERQRTT	IRERRGM3/IRERRSIZ qualifier XCF busy retry SRB Trace Table
	DECIMAL	256	IRERRWEN	Bad name for EXITS=
	DECIMAL	260	IRERRWEL	LOAD failed for IR work exit
	DECIMAL	264	IRERRWEF	IR work exit is bad format

Len	Туре	Value	Name	Description
2	DECIMAL	12	IRERRSP	Secondary to Primary converter
2	DECIMAL	88	IRERRNSK	Potential partner is not a system key user but LCBE insists on system
2	DECIMAL	00	IDEDDNI C	key partners
2	DECIMAL DECIMAL	92 96	IRERRNLG IRERRNCT	System not logged on Primary & secondary DFHIRP levels have incompatible XCF User
2	DECIMAL	30	IKEKKINGT	State Data formats
2	DECIMAL	100	IRERRGM5	GETMAIN failed CSB/CND storage
2	DECIMAL	104	IRERRNSS	Secondary system not in primary LCB
2	DECIMAL	108	IRERRCCS	No secondary CCB found for primary system
2	DECIMAL	112	IRERRIQS	Secondary is in QUIESCE
2	DECIMAL	116	IRERRNSP	
	Primary system not in	secondary LCB		
2	DECIMAL	120	IRERRCCP	
	No primary CCB found	d for secondary		
2	DECIMAL	124	IRERRIQP	
	Primary is in QUIESC	E		
2	DECIMAL	128	IRERRCCR	No primary CCB/retry req
2	DECIMAL	176	IRERRSCF	Security check failed
1	DECIMAL	1	IRERQAUT	IRERRSCF qualifier AUTH denied access
1	DECIMAL	2	IRERQFAU	IRERRSCF qualifier FASTAUTH denied access
DI	ISCONNECT-SPECIFIC E	ERROR RETURN COD	DES	
2	DECIMAL	132	IRERRDSC	Link is already disconnected
SI	WITCH-SPECIFIC ERRO	R RETURN CODES		
2	DECIMAL	136	IRERRSWI	Other side cannot receive data
2	DECIMAL	140	IRERRNSW	This side cannot send data
Pl	ULL-SPECIFIC ERROR F	RETURN CODES		
2	DECIMAL	144	IRERRPL1	Other side cannot be pulled from
2	DECIMAL	148	IRERRPL2	This side cannot pull data
2	DECIMAL	152	IRERRNPP	There is no pull pending
2	DECIMAL	156	IRERRNDP	No data to be pulled (Internal error)
IN	ISERVICE-SPECIFIC ER	ROR RETURN CODES	3	
2	DECIMAL	160	IRERRLIQ	LCB is in QUIESCE
2	DECIMAL	164	IRERRUKS	Target system not found in LCB
М	ISCELLANEOUS ERROF	R RETURN CODES		
2	DECIMAL	168	IRERRCSB	CSB cannot be found
2	DECIMAL	172	IRERRLNC	Link is not connected
2	DECIMAL	180	IRERRSCH	Attempt to schedule an SRB/subtask failed
2	DECIMAL	184	IRERRGM7	GETMAIN failed for SRB storage (MVS)
2	DECIMAL	208	IRERRGM8	GETMAIN failed for Transfer Buffer
2	DECIMAL	212	IRERRGM9	GETMAIN failed for EOM wk area
2	DECIMAL	236	IRERRGMA	GETMAIN failed for XCF part table or XCF retry storage
2	DECIMAL	228	IRERRGMX	GETMAIN failed for use count array
2 2	DECIMAL DECIMAL	232 240	IRERRAX IRERRCAT	Non-zero AX value currently set Connect SRB ATSET failed
2	DECIMAL	244	IRERRXME	Cross memory environment error
2	DECIMAL	248	IRERRIDL	Total data length invalid For SWITCH or PULL
2	DECIMAL	252	IRERRMPD	M/C check paging I/O or DAT error
2	DECIMAL	188	IRERRPST	'Special' ABEND (Bad ECB etc.)
2	DECIMAL	216	IRERRENV	Subsystem notification error (MVS only)
2	DECIMAL	268	IRERRLCL	Error in LOGON/ADD connections list
1	DECIMAL	1	IRERQDNM	Duplicate connection name in LCL or LCBEs
1	DECIMAL	2	IRERQEXC	Restricted options requested by an EXCI user
1 1	DECIMAL DECIMAL	3 4	IRERQ#SN IRERQPNU	Number of sessions is invalid Primary sessions requested by a non-unique user or LCL end flag
'	DECIMAL	4	IRERQFIIO	cleared asynchronously
IN	IVALID ADDRESS RETU	RN CODES		· · ·
2	DECIMAL	192	IRERRIA0	Invalid argument or Parameter addr
2	DECIMAL	196	IRERRIA1	Invalid address in parameter list
2	DECIMAL	200	IRERRIA2	Invalid address in data list
2	DECIMAL	204	IRERRABN	An MVS ABEND occurred
2	DECIMAL	220	IRERRIA3	Invalid target for data movement
2	DECIMAL	224	IRERRILE	Internal logic error
2	DECIMAL	276	IRERRXCQ	IXCQUERY failure, reason in R0
2	DECIMAL	280	IRERRTKN	Token not found - dynamic ADD
2	DECIMAL	284	IRERRSCV	SCTE already built by an incompatible version of DFHIRP
2	DECIMAL	288	IRERRRSM	MVS RESMGR failed - 1st 2 bytes of RF is RESMGR return code
2	DECIMAL	292	IRERRSIZ	Max. size exceeded for SCACB, LCBE vector, LCBD block, SCCB block or LCBEX block
2	DECIMAL	296	IRERRTSW	Non-zero POST code from TRANSWAP
2	DECIMAL	300	IRERRSN#	No unused session numbers left for an XCF CONNECT request
2	DECIMAL	304	IRERRMTM	LCBFJOIN set at start of IRCJOIN but XCF member token not present
				in LCB - probably caused by a previous ABEND during IXCJOIN

IRRDS Interregion session recovery

CONTROL BLOCK NAME = DFHIRRDS
DESCRIPTIVE NAME = CICS Interregion Session Recovery
Data Stream.

FUNCTION =

This DSECT describes the datastream sent by both primary and secondary at the start of an IRC session. The datastream is used to perform session recovery immediately after a new IRC connection has been established between two systems.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHIRRDS	
(0)	BITSTRING	1	IRRSTRT (0)	START
(0)	BITSTRING	4	IRFLGS (0)	FLAGS
(0)	BITSTRING	1	IRFLG1	FLAG BYTE 1
	1		IRFLGFX	"X'80" FAST PATH XFORMER SUPPORTED
	.1		IRFLFACC	"X'40'" Revised State-after-Rollback rules are required
	1		IRFLBSND	"X'20" Sender is 'new batch'
	1		IRFLBREJ	"X'10" Sender is non-batch connection reject
	1		IRFLCONT	"X'08'" More bind data after IRLEN (see IRCONT DSECT below)
	1		IRFLRSYN	"X'04" Sender is capable of new (LU62-style) resync
	1.		IRFLFCTK	"X'02'" Sender can handle FC Tokens
	1		IRFRRS	"X'01" Sender supports transactional EXCI
(1)	BITSTRING	1	IRFLG2	
	1		IRFLRTST	"X'80" Routable START support
(2)	BITSTRING	2		RESERVED
(4)	BITSTRING	4	IRRELNO	SENDER'S RELEASE LEVEL (SAME FORMAT AS ISC RLSE NO IN USER AREA IN BIND)
(8)	CHARACTER	4	IRSNAM	SENDER'S NAME
(C)	CHARACTER	4	IRRNAM	NAME TO WHICH SENDER WAS CONNECTED IN PREV. SESSION (BLANKS IF NONE OR UNKNWN)
(10)	BITSTRING	2	IRLONO	LOGICAL OUTBOUND SEQUENCE NO. AT END OF LAST SESSION (ZEROS IF COLD-STARTED)
(12)	BITSTRING	2	IRLINO	LOGICAL OUTBOUND SEQUENCE NO. AT END OF LAST SESSION (ZEROS IF COLD-STARTED)
	1 .1		IRLEN	"*-IRRSTRT" LENGTH OF DATASTREAM

The IRCONT DSECT describes a bind continuation element. The presence of such an element is signalled by the setting of the IRFLCONT flag in IRFLGS (see the DFHIRRDS DSECT above). The element appears immediately after the bind data (ie at offset IRLEN from DFHIRRDS).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			IRCONT	
(0)	HALFWORD	2	IRCONT_LTH	Ith of data item (including Ith field itself)
(2)	HALFWORD	2	IRCONT_TYPE	type of data item
	1		IRCONT_JOBID	"X'01" type value for jobid data item
	1.		IRCONT_XLN	"X'02" type value for bind XLN data
(4)	BITSTRING	1	IRCONT_DATA (0)	start of data proper
(2)	BITSTRING	1	IRCONT_FLAG	flag at start of type field
	1		IRCONT MORE	"X'80" IRCONT FLAG value indicating presence of another data item

JCA Journal control area

CONTROL BLOCK NAME = DFHJCAPS
DESCRIPTIVE NAME = CICS Journal Control Area FUNCTION =

The JCA contains the parameter lists that communicate between a task requiring journalling services, and other fields used internally by journalling.

LIFETIME =

A JCA is normally created on the first occasion that a task requests a service of journalling, and persists until the task terminates. (Journalling also creates some JCAs for internal purposes.) Creation involves DFHJCP; deletion is incidental to deletion of the TCA.

STORAGE CLASS = JCA ('9B'X) LOCATION =

Addressed by TCAJCAAD in the user TCA.

INNER CONTROL BLOCKS =

None NOTES:

DEPENDENCIES = S/370

RESTRICTIONS = None
MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	54	DFHJCADS	JCA
(0)	HALFWORD	2	JCALEN	Length of the JCA
(2)	CHARACTER	6	JCAEYE	JCA eyecatcher
(8)	BITSTRING	1	JCATR3	- type of request, byte 3
(9)	BITSTRING	1	JCATR2	- type of request, byte 2
(A)	BITSTRING	1	JCATR1	- type of request, byte 1
(B)	BITSTRING	1	JCAJCRC	- return code
(C)	ADDRESS	4	JCAADATA	- A(user data)
(10)	ADDRESS	4	JCAAPRFX	- A(user prefix)
(14)	FULLWORD	4	JCAFTOK	force token
(18)	FULLWORD	4	JCAFLEN	- fullword L(user data)
(18)	HALFWORD	2	*	- section to allow 64K
(1A)	HALFWORD	2	JCALDATA	- used with LENGTH
(1C)	HALFWORD	2	JCALPRFX	- L(user prefix)
(1E)	HALFWORD	2	JCAJNUM	journal number as halfword
(20)	UNSIGNED	1	JCAJFID	- journal identifier
(21)	CHARACTER	8	JCAJNAME	journal name identifier
(29)	CHARACTER	2	JCADOMID	calling domain identifier
JC/	A user prefix: termina	l control segr	ment	
(2C)	CHARACTER	10	JCAUPTC	origin of user prefix
(2C)	CHARACTER	2	JCAJRTID	- JC rec type (DFHFMIPS)
(2C)	BITSTRING	1	JCAMODFN	- module function
(2D)	BITSTRING	1	JCASVMID	- module id
(2E)	HALFWORD	2	JCAVSPIN	LU6.1 inbound sequence number
(30)	HALFWORD	2	JCAVSPON	LU6.1 outbound sequence number
(32)	CHARACTER	4	JCAUPTID	Terminal ID

Constants

Len	Type	Value	Name	Description
1	HEX	10	JCATRANY	Concerning addressing mode user data may be 'anywhere'
J	ICATR2 - Request-m	odifying symbolic settings		
1	HEX	01	JCATROUT	TYPE=OUTPUT (with OPEN)
1	HEX	01	JCATRL	LEAVE=YES (with CLOSE request)
1	HEX	01	JCATRCR	Conditional (WRITE) request
1	HEX	02	JCATRIN	TYPE=INPUT (with OPEN)
1	HEX	02	JCATRSIO	STARTIO=YES (with WRITE)
1	HEX	04	JCATRPFX	User prefix specified (WRITE)
J	ICATR1 - Request-ty	pe symbolic settings		
1	HEX	01	JCATRWR	TYPE=WRITE
1	HEX	02	JCATRW	TYPE=WAIT
1	HEX	03	JCATRPUT	TYPE=PUT (=WRITE,WAIT)
J	ICAJCRC - return co	de symbolic settings		
1	HEX	00	JCARCNR	normal response
1	HEX	01	JCARCIDE	journal id error
1	HEX	02	JCARCIRE	invalid request
1	HEX	03	JCARCSE	status error
1	HEX	04	@NM00002	reserved

Len	Type	Value	Name	Description	
1	HEX	05	JCARCNOE	journal not open	
1	HEX	06	JCARCLE	length error	
1	HEX	07	JCARCIOE	I/O error	
1	HEX	08	JCARCEOF	end of file (for input req)	
1	HEX	09	JCARCCR	COND=YES, buffer full	
MISCELLANEOUS VALUES					
1	HEX	63	JCAJNMAX	Max journalname = 99	

KCS Transaction manager static storage

```
CONTROL BLOCK NAME = DFHKCSPS
DESCRIPTIVE NAME = CICS TRANSACTION MANAGER STATIC STORAGE
FUNCTION =
   Static storage used by task control component for
   ECBs and working storage.
   There is a single instance of this control block in a CICS
   system.
LIFETIME =
   It is allocated and initialized to hex zeroes in DFHSIB1.
   It has the lifetime of the CICS system.
STORAGE CLASS =
   CICS static storage.
LOCATION =
  Addresses from static storage address list.
INNER CONTROL BLOCKS =
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
DATA AREAS = None
 CONTROL BLOCKS = PCT
 GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	DFHKCSPS	
(0)	CHARACTER	4	KCSOBECB	open-for-business ECB
(0)	BITSTRING	1	*	
` '	1		*	Reserved
	.1		KCSOBPST	open-for-business post bit *
(4)	CHARACTER	4	KCSCPECB	KC restart complete ECB *
(4)	BITSTRING	1	*	•
` '	1		*	Reserved
	.1		KCSCPPST	restart complete post bit *
(8)	BITSTRING	1	KCSFLAGS	restart flags
` '	1		KCSRSTIN	restart initiated
(9)	UNSIGNED	1	KCSRSTRC	restart return code
(A)	CHARACTER	2	KCSREASN	MSG DFH0302 REASON CODE *
(C)	ADDRESS	4	KCSNQPCH	DFHKC ENQ string enqueue pool
(10)	ADDRESS	4	KCSNQPAD	DFHKC ENQ address enqueue pool
(14)	CHARACTER		KCSTLEN	LENGTH INDICATOR

KERRD Kernel error data

CONTROL BLOCK NAME = DFHKERRD

DESCRIPTIVE NAME = CICS Kernel Error Data

FUNCTION = Kernel Error Data.

After an MVS Abend, Program Check or Domain Requested Recovery,

The following data is available to the task in recovery state.

Once the recovery state is cleared or percolated, this data is no longer available.

The data splits into three parts:

1. Error Code and Interrupt information.

The Error Code is supplied on a CICS Request Recovery Call and is a CICS Abend Code (as documented in CICS Messages

If the Error Code is AKEA then there has been a program check and the System Interrupt data will be the program check code (00CX).

If the Error Code is AKEB then there has been an MVS Abend and then System and User Interrupt data will contain the MVS Abend Code split up into the System and User parts. The Kernel will calculate the offset within your program that the CICS error occurred. If not in your program, this field is set negative.

2. SYSTEM Error Data - PSW and Registers taken from the SDWA. SDWA: "PSW and Registers at time of error."

There are two sets of PSW and Registers, which are different when CICS has called an SVC (say) which then issues an Abend. In this case the phrase 'at time of error' indicates that this set of PSW and Registers will be those of the SVC: the PSW will be the address (in the SVC routine) of an Abend SVC (13).

3. CICS Error Data - PSW and Registers taken from the SDWA. SDWA: "PSW and Registers of last interrupt of the RB that issued this STAE/ESTAE."

This is a rather cryptic phrase. Remember, however, that the RB that issued the ESTAE is actually CICS and that, since CICS does not issue LINK, CICS only ever has the one RB EXCEPT when we issue an SVC.

S370 hardware implements SVC's and Program Checks as interrupts. Thus, if CICS issues an SVC that then abends, the last interrupt we received WAS the SVC. So, this save area describes the last thing CICS did before the Abend.

Notes

- 1. If CICS issues an Abend (or program checks) from its own code, these two save areas are identical and identify the place where the Abend or program check happenned.
- 2. In the case of requested recovery, both sets of PSW and Registers will identify the state at the time the request recovery was issued.
- 3. When the Abend is issued from 'the System', the two save areas are used for different purposes

If the problem is to diagnose what VTAM/VSAM/MVS/etc. was doing for us at the time, the approriate Error Data is the SYSTEM's, since that tells us what the state was on that side of the SVC.

If the problem is to diagnose an invalid request made by CICS, then the last thing CICS did is relevant and so the CICS Error Data is relevant.

DEPENDENCIES = S/370

RESTRICTIONS = None

MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	424	KERNEL_ERROR_DATA	
(0)	CHARACTER	8	KERNEL_ ERROR_CODE	XXX/NNNN System & User Code
(8)	UNSIGNED	1	KERNEL_ ERROR_TYPE	Error type, see below
(9)	BITSTRING 1	1	KERNEL_ ERROR_FLAGS KERNEL_ ERROR_DUMP_ REQUESTED	MVS FLAGS
				A dump was requested
	.111		KERNEL_ ERROR_EXECUTING_ RB	
				Flags determining error RB.
	.1		KERNEL_ ERROR_SRB_MODE	
				Error in SRB mode
	1		KERNEL_ ERROR_IRB KERNEL_ ERROR_CICS_ RB_NOT_ACTIVE	IRB on RB stack

Offset	Туре	Len	Name (Dim)	Description
Hex				CICS RB not in control
	1		*	Reserved
	1		KERNEL_ ERROR REASON	
			PRESENT	
			*	Abend reason code is present
(A)	11 BITSTRING	2	* KERNEL_	Reserved
(7.5)	BHOTKING	-	ERROR_SYSTEM_INT	
(C)	DITETRING	2	KEDNEI	XXX in binary format
(C)	BITSTRING	2	KERNEL_ ERROR_USER_INT	
(E)				NNNN in binary format
(E)	HALFWORD	2	KERNEL_ ERROR_OFFSET	Offset in program of error
(10)	CHARACTER	8	KERNEL_	, 0
			ERROR_PROGRAM	Name of program in error
(18)	ADDRESS	4	KERNEL_	
			ERROR_ADDRESS	Address of program in error
(1C)	FULLWORD	4	KERNEL_	Address of program in error
			ERROR_TASRQTOK	Attach token of task
(20)	FULLWORD	4	KERNEL_	Attach token or task
			ERROR_TASTRTOK	Topografico talego of tools
(24)	ADDRESS	4	KERNEL_	Transaction token of task
` ,			ERROR_TAS_ADDRESS	
(28)	FULLWORD	4	KERNEL_ ERROR_NUMBER	Address of task in error
				Error number
(2C)	CHARACTER	4	KERNEL_ ERROR_REASON	Abend reason code
(30)	CHARACTER	160	CICS_ERROR_DATA	CICS error data
(30)	CHARACTER	8	CICS_ERROR_ BC_PSW	PSW BC Mode
(38)	CHARACTER	8	CICS_ERROR_ EC_PSW	PSW EC Mode
(38) (3A)	CHARACTER BITSTRING	2 1	CICS_ERROR_	Padding
(6/1)	BHOTKING		EC_BYTE3	
	1		CICS_ERROR_	
			AR_MODE	CICS AR mode flag
(40)	CHARACTER	8	CICS_ERROR_ EC_ADD	Int Code,ILC from SDWAAEC2
(48)	ADDRESS	4	CICS_ERROR_	
			INSTRUCTION_ADDR	PSW address
(4C)	UNSIGNED	1	CICS_ERROR_KEY	PSW key in form X'n0'
(4D)	UNSIGNED	3	*	Padding
(50)	CHARACTER	64	CICS_ERROR_ REGST	
(50)	ADDRESS	4	CICS_ERROR_ REGISTERS (16)	
()				Registers in CICS
(90)	CHARACTER	64	CICS_ERROR_ ACCESS_REGST	
(90)	ADDRESS	4	CICS_ERROR_	
			ACCESS_REGISTERS	
			(16)	CICS Access Regs@L3A
(D0)	CHARACTER	160	SYSTEM_ ERROR_DATA	System error data
(D0)	CHARACTER	8	SYSTEM_ ERROR_BC_PSW	
			21.11.0120_1 011	PSW BC Mode
(D8)	CHARACTER	8	SYSTEM_ ERROR_EC_PSW	
				PSW EC Mode
(D8)	CHARACTER	2	*	Padding
(DA)	BITSTRING	1	SYSTEM_ ERROR_EC_BYTE3	
	1		SYSTEM_	
			ERROR_AR_MODE	0.407514.45
(E0)	CHARACTER	8	SYSTEM_	SYSTEM AR mode flag
(- /			ERROR_EC_ADD	
(EQ)	ADDRESS	4	SYSTEM_	Int Code,ILC from SDWAAEC1
(E8)	ADDITEGO	*	ERROR_INSTRUCTION_	
			ADDR	DOW adds
(EC)	UNSIGNED	1	SYSTEM_ ERROR_KEY	PSW address PSW key in form X'n0'
(ED)	UNSIGNED	3	*	Padding
(F0)	CHARACTER	64	SYSTEM_ ERROR_REGST	-
(F0)	ADDRESS	4	SYSTEM_ EPPOP PEGISTERS (16)	
(130)	CHARACTER	64	ERROR_REGISTERS (16) SYSTEM_	
` -/		-	ERROR_ACCESS_ REGST	

Offset Hex	Туре	Len	Name (Dim)	Description
(130)	ADDRESS	4	SYSTEM_ ERROR_ACCESS_ REGISTERS (16)	
(470)	DITOTOINO		KEDNE	System access registers
(170)	BITSTRING	8	KERNEL_ ERROR_TIMESTAMP	
				Timestamp of error
(178)	CHARACTER	32	KERNEL_ ERROR FP REGS	
				FP register values:
(178)	CHARACTER	8	KERNEL_	
			ERROR_FP_REG_0	FP register 0
(180)	CHARACTER	8	KERNEL	FF legisler 0
(100)	012.010.12.1	ŭ	ERROR_FP_REG_2	
				FP register 2
(188)	CHARACTER	8	KERNEL_	
			ERROR_FP_REG_4	FP register 4
(190)	CHARACTER	8	KERNEL_	· · · · · · · · · · · · · · · · · · ·
			ERROR_FP_REG_6	
				FP register 6
	e following 2 fields are			
(198)	CHARACTER	8	KERNEL_ ERROR_STOKEN	Stoken for subspace
(1A0)	CHARACTER	4	KERNEL ERROR ALET	ALET for subspace
(1A4)	BITSTRING	1	KERNEL_	7.EE 7.101 0430p400
, ,			ERROR_SUBSPACE_	
			FLAGS	
	1		KERNEL_ ERROR IN SUBSPACE	
				error while in ss
	.111 1111		*	Reserved
(1A5)	CHARACTER	3	*	Reserved

Constants

Len	Туре	Value	Name	Description
1	DECIMAL	1	KERNEL_ERROR_	Description
	220	•	PROGRAM CHECK	
1	DECIMAL	2	KERNEL ERROR ABEND	
1	DECIMAL	3	KERNEL ERROR	
			RUNAWAY	
1	DECIMAL	4	KERNEL ERROR	
			REQUESTED	
1	DECIMAL	5	KERNEL_ERROR_	
			PERCOLATE	
1	DECIMAL	6	KERNEL_ERROR_	
			KERNERROR	
1	DECIMAL	7	KERNEL_ERROR_	
			DEFERRED_ABEND	
1	DECIMAL	8	KERNEL_ERROR_ LINKAGE	
1	DECIMAL	9	KERNEL_ERROR_	
			ABEND_PERCOLATE	
1	DECIMAL	10	KERNEL_ERROR_	
			ABEND_REQUESTED	
1	DECIMAL	11	KERNEL_ERROR_	
			RUNNING_CANCEL	

Kernel Error Executing RB : Test value
- Error occurred in CICS RB if:
not in SRB mode,
no IRB in RB stack, and CICS RB was in control.

KERNEL_ERROR_ CICS_RB

KPLEC Keypoint list element

```
CONTROL BLOCK NAME = DFHKPLEC
DESCRIPTIVE NAME = CICS (FILE) Keypoint List Element DSECT
FUNCTION =
   Declare a structure for the keypoint list element (KPLE).
   The keypoint list forms part of file control's
   implementation of fuzzy image copy, also known as backup
   while open. One KPLE exists for each keypoint and records
   the start and end times at which tie up records are written.
LIFETIME =
   The keypoint list elements are created, processed and
   deleted (when they become redundant) by DFHFCBWO. DFHFCBWO
   is called from the file control revovery program DFHFCRC
   following RMKP take keypoint calls from recovery manager.
LOCATION =
   The KPLE chain is anchored off fc_kple_chain in file
   control static storage.
STORAGE CLASS =
   KPLEs are getmained from the variable length file control
   subpool above the line.
INNER CONTROL BLOCKS =
   None.
NOTES:
DEPENDENCIES = S/390
RESTRICTIONS = None.
MODULE TYPE = Control block definition.
EXTERNAL REFERENCES =
    None.
 DATA AREAS =
   None
 CONTROL BLOCKS =
    None.
 GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	KPLE	keypoint list element
(0)	ADDRESS	4	KPLE_NEXT	pointer to next element, or null pointer if the last
(4)	CHARACTER	8	KPLE_START_ WRITE_PACKED	
				when starting to write TURs
(4)	CHARACTER	4	KPLE_START_ WRITE_DAY	
				in packed format 0CYYDDDC
(8)	CHARACTER	4	KPLE_START_ WRITE_TIME	
				in packed format HHMMSSTC
(C)	CHARACTER	8	KPLE_END_ WRITE_PACKED	
				when ending write of TURs
(C)	CHARACTER	4	KPLE_END_ WRITE_DAY	-
				in packed format 0CYYDDDC
(10)	CHARACTER	4	KPLE_END_ WRITE_TIME	
				in packed format HHMMSSTC

LDGDS Loader statistics

```
CONTROL BLOCK NAME = DFHLDGDS
DESCRIPTIVE NAME = CICS Loader Statistics
FUNCTION =
     This block described the statistics maintained by the
     Loader.
     The loader maintains a single instance of this block
     representing its global statistics
LIFETIME = This block is created by the Loader to satisfy a
    request for statistics
STORAGE CLASS =
LOCATION = The user is passed a pointer to the head of the block
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
 RESTRICTIONS = none
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = Data from Loader domain
  GLOBAL VARIABLES (Macro pass) = none
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHLDGDS	Loader statistics (GLOBAL)
(0)	FULLWORD	4	(0)	Reserved
(0)	HALFWORD	2	LDGLEN	Length of data area
	1 111.		LDGIDE	"30" Global loader stats id mask
(2)	ADDRESS	2	LDGID	Loader domain global stats id
` ,	1		LDGVERS	"X'01" DSECT version number
(4)	CHARACTER	1	LDGDVERS	Domain data format version number
(5)	CHARACTER	3		Reserved
(-)	1		LDGHEND	"*" End of header
	1		LDGHLEN	"*-LDGLEN" Length of header
				•
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			LDGGLOBAL	Global statistics DSECT
(0)	FULLWORD	4	LDGGLOBAL	Number of library load requests
(4)	FULLWORD	4	LDGLLT	Total time for all loads
(8)	FULLWORD	4	LDGPUSES	Number of program uses
(C)	FULLWORD	4	LDGWLR	Number of loader regs waiting
(10)	FULLWORD	4	LDGWLRHW	HWM waiting loader regs
(14)	FULLWORD	4	LDGHWMT	Times at HWM
(18)	FULLWORD	4	LDGTTW	Total time waiting
(1C)	FULLWORD	4	LDGDREBS	Number of library DEB rebuilds
(20)	FULLWORD	4	LDGWTDLR	Number of loader regs that waited
(24)	FULLWORD	4		Reserved
(28)	FULLWORD	4		Reserved
(2C)	FULLWORD	4		Reserved
(30)	FULLWORD	4		Reserved
(34)	FULLWORD	4		Reserved
(38)	FULLWORD	4		Reserved
	11 11		LDGGEND	"*" End of global statistics
	11 11		LDGGLEN	"*-LDGGLOBAL" Length of global statistics
Offset	Туре	Len	Name (Dim)	Description
Hex			LDGDSASTAT	Program state on a DCA hoois
(0) (0)	FULLWORD	4	LDGDSASTAT	Program stats on a DSA basis Amount of storage occupied by NIU programs
(4)	FULLWORD	4	LDGPROGNIU	Number of programs on NIU queue
(8)	FULLWORD	4	LDGRECNIU	Number of programs reclaimed from NIU queue
(C)	FULLWORD	4	LDGDPSCR	Number of programs removed by DPSC
(10)	BITSTRING	8	LDGDPSCT	Total time on NIU queue
(18)	BITSTRING	1	LDGDSAINDEX	DSA index
(19)	BITSTRING	3		Reserved
(1C)	FULLWORD	4		Reserved
(20)	FULLWORD	4		Reserved
(24)	FULLWORD	4		Reserved
(28)	FULLWORD	4		Reserved
(2C)	FULLWORD	4		Reserved
	11		LDGDSAEND	"*" End of DSA program stats
-	11		LDGDSALEN	"*-LDGDSASTAT" Length of DSA program stats
Equates	for LDGDSASTAT a	rray		
	11.		LDGMAXDSA	"6" Number of elements
	1		LDGCDSA	"1" CDSA

Offset Hex	Туре	Len	Name (Dim)	Description
	1.		LDGECDSA	"2" ECDSA
	11		LDGSDSA	"3" SDSA
	1		LDGESDSA	"4" ESDSA
	1.1		LDGRDSA	"5" RDSA
	11.		LDGERDSA	"6" ERDSA

LDRDS Loader statistics for programs

CONTROL BLOCK NAME = DFHLDRDS
DESCRIPTIVE NAME = CICS Loader Statistics for programs FUNCTION = This block described the statistics collected by the Loader Domain. There is an instance of this block for each program for which statistics have been requested. LIFETIME = This block exists until the statistics request has been satisfied STORAGE CLASS = LOCATION = The user is passed a pointer to the head of the block INNER CONTROL BLOCKS = none DEPENDENCIES = S/370 RESTRICTIONS = none
MODULE TYPE = Control block definition EXTERNAL REFERENCES = none DATA AREAS = none CONTROL BLOCKS = Data from Loader Domain GLOBAL VARIABLES (Macro pass) = none

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHLDRDS	Loader statistics (RESID)
(0)	FULLWORD	4	(0)	Reserved
(0)	HALFWORD	2	LDRLEN	Length of data area
	1 11		LDRIDR	"25" Loader stats Resid mask
(2)	ADDRESS	2	LDRID	Loader domain stats id
	1		LDRVERS	"X'01" DSECT version number
(4)	CHARACTER	1	LDRDVERS	Domain data format version number
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	8	LDRPNAME	Program name
(10)	FULLWORD	4	LDRTU	Times used since last reset
(14)	FULLWORD	4	LDRFC	Fetch count
(18)	FULLWORD	4	LDRFT	Total time taken for all fetchs
(1C)	FULLWORD	4	LDRRPLO	Offset into RPL DD of owning PDS
(20)	FULLWORD	4	LDRTN	Times NEWCOPYed
(24)	FULLWORD	4	LDRPSIZE	Program size
(28)	FULLWORD	4	LDRRPC	Times removed by program compression
(2C)	ADDRESS	1	LDRLOCN	Location of current copy
	• • • • • • • • • • • • • • • • • • • •		LDRNOCO	"X'00" No current copy
	1		LDRCDCO	"X'01" Current copy in the CDSA
	11		LDRLPACO	"X'03" Current copy in the LPA
	1		LDRECDCO	"X'04" Current copy in the ECDSA
	11.		LDRERDCO	"X'06" Current copy in the ERDSA
	111		LDRELPCO	"X'07" Current copy in the ELPA
	1		LDRSDCO	"X'08" Current copy in the SDSA
	11		LDRESDCO	"X'09" Current copy in the ESDSA
	1.1.		LDRRDCO	"X'0A" Current copy in the RDSA
(2D)	ADDRESS	3		Reserved
	11		LDREND	11-2-11
	11		LDRCLEN	"*-LDRLEN" Length of DSECT

LFM LIFO parameter list and standard DSA

CONTROL BLOCK NAME = DFHLPLST, DFHLFS
DESCRIPTIVE NAME = CICS LIFO Parameter List and Standard DSA FUNCTION = Maps the parameter list passed to DFHLFA.
The values of the field DFHLPMOD are given in the module identifiers in DFHFMIDS. Maps the standard DSA. NOTES: DEPENDENCIES = S/370 RESTRICTIONS = none MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)			DFHLPLST	DSECT FOR PLIST	
(-)	,		OFF0	"00" OFFSET OF FLAGS	
	0FF1		OFF1	"01" OFFSET OF STATUS FLAGS	
	1. OFLN		OFLN	"02" LENGTH OFFSET	
	1		OFDR	"04" CHAIN BACK OFFSET	
	11 OFLR		OFLR	"12" OFFSET OF REG 14	
	1 1 OFR1		OFR1	"24" OFFSET OF REG 1	
	.1 11		OFNB	"X'4C" NAB OFFSET	
	.1 11		NAB	"X'4C" NAB OFFSET	
	.1.1		OFTASN	"X'50" OFFSET OF TASN	
	1111 111.		CINTISA	"X'FE'" INITIAL SEGMENT NO *	
PLIST PASSED BETWEEN MODULE AND FIRST GET LIFO MODULE					
(0)	HALFWORD	2	DFHLPLEN	LENGTH OF PLIST	
(2)	HALFWORD	2	DFHLPDFG	DSA ID	
(4)	HALFWORD	2	DFHLPDLN	DSA LENGTH	
(6)	HALFWORD	2	DFHLPMDS	OFFSET OF MODULE START FROM PLIST START	
(8)	FULLWORD	4	DFHLPTRC	TRACE FLAGS	
(C)	HALFWORD	2	DFHLPMOD	MOD ID	
(E)	HALFWORD	2	DFHLPMDC	MOD ID IN CHARACTER FORM	
(10)	BITSTRING	BITSTRING 1 DFHLPTRF OPTION SETTING			
	.1		LFLPTRRC	"X'40" RECOVERY ROUTINE PRESENT	
	1		LFLPTRCN	"X'08" CONDITIONAL REQUEST	
	1		LFLPTRRN	"X'04" COND RETURN REQUEST	
	1.		LFLPTRIC	"X'02" IC LOGIC IS REQUESTED.	
	1		LFLPTRTR	"X'01" TRACE IS REQUESTED.	
(11)	BITSTRING	1	DFHLPTR2	PERFORM,ACCOUNT,EXCEPT	
(12)	BITSTRING	1	DFHLPRS3	RESERVED	
(13)	BITSTRING	1	DFHLPRS4	RESERVED	
(14)	FULLWORD	4	DFHLPSMD	Smode index	
	• • • • • • • • • • • • • • • • • • • •		DFHLPS31	"0" Smode 31	
	1		DFHLPS24	"8" Smode 24	
(18)	ADDRESS	4	DFHLPREC	Recovery routine address *	

STANDARD DSA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHLFS	
(0)	BITSTRING	1	LFDSOFF0	FLAG BYTE 0
(1)	BITSTRING	1	LFDSOFF1	FLAG BYTE 1
	1		LFDSLOOP	"X'80'" DSA may be looping
	.1		LFDSERRD	"X'40" DFHKERRD exists, i.e. stack in error state
	1		LFDSACR	"X'20" CICS Recovery added
	1		LFDSSAVE	"X'10" Save area exists and is pointed to by KERNSAVP
	1		LFDSLCON	"X'08" Loop controller
	1		LFDSDFAB	"X'04" Deferred abend scheduled against this stack
(2)	HALFWORD	2	LFDSOFLN	LENGTH OF DSA
(4)	ADDRESS	4	LFDSOFDR	CHAIN BACK
(8)	ADDRESS	4		RESERVED
(C)	ADDRESS	4	LFDSOFLR	REG 14
(10)	ADDRESS	4	LFDSOFBR	REG 15
(14)	ADDRESS	4	LFDSOFR0	REG 0
(18)	ADDRESS	4	LFDSOFR1	REG 1
(1C)	ADDRESS	4	LFDSOFR2	REG 2
(20)	ADDRESS	4	LFDSOFAR	REG 3
(24)	ADDRESS	4	LFDSOFR4	REG 4
(28)	ADDRESS	4	LFDSOFR5	REG 5
(2C)	ADDRESS	4	LFDSOFR6	REG 6
(30)	ADDRESS	4	LFDSOFR7	REG 7
(34)	ADDRESS	4	LFDSOFR8	REG 8

Offset Hex	Туре	Len	Name (Dim)	Description
(38)	ADDRESS	4	LFDSOFR9	REG 9
(3C)	ADDRESS	4	LFDSOFRX	REG 10
(40)	ADDRESS	4	LFDSOFRY	REG 11
(44)	ADDRESS	4	LFDSOFCR	REG 12
(48)	ADDRESS	4	LFDSSVDR	R13 OR R14 IF CRCE SET
(4C)	ADDRESS	4		Used by Kernel.
(50)	ADDRESS	4	LFDSTASN	ADDRESS OF TASK ENTRY.
(54)	ADDRESS	4	LFDSPOWN	ADDRESS OF PROCESS OWN.
(58)	ADDRESS	4	LFDSDTAB	Caller's domain entry
(5C)	FULLWORD	4	LFDSTRFL	Trace flags
(60)	ADDRESS	4	LFDSOFNB	NAB
(64)	ADDRESS	4	LFDSAPLT	A(MODULE PLIST)
(68)	ADDRESS	4		Used by Kernel.
(6C)	FULLWORD	4	LFDSSMOD	SMODE index 0=31-bit 8=24-bit
(70)	BITSTRING	1	LFDSMOD1	MODULE ID
(71)	BITSTRING	1	LFDSMOD2	SUB MODULE ID
(72)	HALFWORD	2	LFDSMODN	MOD NAME 2 CHAR
(74)	ADDRESS	4		Reserved.
(78)	ADDRESS	4		Reserved.
(7C)	ADDRESS	4		Reserved.
(80)	DBL WORD	8	LFDSUSS1 (0)	USER AREA START
(80)	DBL WORD	8	LFDSUSS2 (0)	START USER AREA AFTER COPY *

END OF STANDARD SECTION
Kernel Domain Table Entry Overlay. Pointed to by LFDSDTAB.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			LFDSDTE	,
(0)	CHARACTER	8		Used by Kernel
(8)	FULLWORD	4	LFDSDTEI	Domain index
(C)	CHARACTER	4		USED BY KERNEL
(10)	ADDRESS	4	LFDSDTEA	Domain anchor
(14)	CHARACTER	1	(0)	Used by Kernel
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHLFS	Continue stack dsect

LGGF General log format

A General Log is any CICS log other that the CICS System Log. It
may reside upon the MVS Logger or upon MVS SMF. Such a log
comprises a sequence of contiguous blocks. A block is the unit of
output when flushing the internal log buffer.
Each block comprises a block header followed by a variable number
of CICS records. The format of the block header is defined by the
•
dsect "lgbh_block_header".
Each CICS record comprises a record header followed by the caller
data part. The record header is defined by the dsect
"glrh_record_header".
The format of the caller data part is unknown at the Log Manager
functional level. It usually comprises one or several other CICS
component record headers followed by yet another embedded caller
data part. The record header fields "glrh_rec_type" and
"glrh_rec_compid" indicates which CICS component is to be used to
define this part of the record.
If this is 'UJ', which means the record originated form an
application program, then this record header is followed by a user
header as defined by "cl_user_header".
The following diagram shows the physical layout of a General Log
block.
DIOCK.
renard les
general log
first general log block
block header (lgbh_block_header)
first cics record
record header (glrh_record_header)
caller data
next cics record
··
last cics record
next general log block
next general roy brock
— ···
_ last general log block

This copybook defines the block header, record header, general
user header, and 'start of run' record body for General Logs.
Each block starts with a block header as defined here.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	40	LGBH_BLOCK_HEADER	
(0)	STRUCTURE	40	*	
	IsA(MVSLOGBLOC	KHEADER)		
(0)	CHARACTER	8	LGBH_GLOBAL_ INFO	
(0)	CHARACTER	4	LGBH_BLOCK_ TYPE	set to '>DFH' to
(0)	CHARACTER	1	LGBH_BT_ARROW	identify a CICS
(1)	CHARACTER	3	LGBH_BT_DFH	block
(4)	CHARACTER	4	*	
(4)	UNSIGNED	1	LGBH_LOG_TYPE	general or system log
(5)	CHARACTER	1	LGBH_FLAGS	reserved
(6)	UNSIGNED	2	LGBH_BLOCK_ VER	block format version number
(8)	CHARACTER	24	LGBH_CICS_INFO	
(8)	CHARACTER	8	LGBH_GENERIC_ APPLID	
				CICS generic applid
(10)	CHARACTER	8	LGBH_START_GMT	record time (GMT)
(18)	CHARACTER	8	LGBH_START_ LOCAL	record time (LOCAL)
(20)	CHARACTER	8	LGBH_BLOCK_INFO	
(20)	CHARACTER	8	LGBH_BLOCK_ NUMBER	
				block sequence number
(28)	CHARACTER		LGBH_DATA	records follow

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	56	GLRH RECORD HEADER	
(0)	STRUCTURE	56	*	
(-)	IsA(GENLOGRE			
(0)	CHARACTER	12	*	
(0)	UNSIGNED	4	GLRH RECORD	
(-)			LENGTH	
				inclusive length of this record
(4)	UNSIGNED	4	GLRH HEADER LENGTH	gg
(- /		•		inclusive length of this header
(8)	UNSIGNED	4	GLRH REC DATA LEN	and the second s
(-)		•		length of data following this header
(C)	CHARACTER	16	GLRH TIMESTAMPS	timestamps
(C)	CHARACTER	8	GLRH GMT	record time (GMT)
(14)	CHARACTER	8	GLRH LOCAL	record time (LOCAL)
(1C)	CHARACTER	12	GLRH TASK INFO	logging task information
(1C)	CHARACTER	4	GLRH TRAN ID	transaction id
(20)	CHARACTER	4	GLRH TASK ID	task number
(24)	CHARACTER	4	GLRH TERM ID	terminal id
(28)	CHARACTER	12	GLRH RECORD ID	record identification
(28)	UNSIGNED	2	GLRH_REC_TYPE	start_of_run (sor) or user
(2A)	CHARACTER	2	GLRH_REC_ COMPID	logging component id
(2C)	CHARACTER	8	GLRH_REC_ JOURNAL	logging journal name
(34)	CHARACTER	4	GLRH_LGSSI	for DFHLGSSI conversion rtn
(34)	CHARACTER	1	GLRH_LGSSI_ FLAGS	not set for system log
. ,	1		GLRH_START_	, ,
			OF_TASK	
				equivalent to JCSPSOTK
	.1		GLRH_START_ OF_UOW	
				equivalent to JCSPLSTK
(35)	CHARACTER	3	GLRH_LGSSI_ RSVD	reserved
(38)	CHARACTER		GLRH_REC_DATA	

When CICS connects to a MVS Logger General Log it writes a 'start-of-run' record to the log as the first record written during this run of CICS. This record is made up of a record header as defined above followed by the dsect "gl_ sor_body".

NOTE: "gl_ sor_body" is a particular case of 'caller data' referred to above.

The following diagram shows how a 'start-of-run' record appears writhin a General Log block.

general log

...

a general log block

-..

in girst cics record

-..

first cics record

-..

start of run record body (gl_sor_body)

-..

next cics record

-..

last cics record

-..

last cics record

-..

last cics record

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	GL_SOR_BODY	
(0)	STRUCTURE	20	*	
	IsA(STARTOFRUNDA	ATA)		
(0)	CHARACTER	20	SOR_CICS_INFO	start-of-run information
(0)	CHARACTER	4	SOR_CICS_ RELEASE	CICS version and release
(4)	CHARACTER	8	SOR_SPECIFIC_ APPLID	
. ,				CICS specific applid
(C)	CHARACTER	8	SOR CICS USERNAME	
. ,				CICS userid

The CICS API supports writing directly to a user journal (which may be a General Log or the System Log) using the EXEC CICS WRITE JOURNALNAME command. This takes as input the journal type, user data and optional user prefix data. These elements are put together as shown in the dsect "cl_user_header". NOTE: "cl_user_header" is a particular case of 'caller data' referred to above. In this case "glrh_rec_compid" will be set to 'UJ'. The following diagram shows how a user header appears within a General Log record. general log __ ... __ general log block __ _ block header (lgbh_block_header) __ _ first cics record __ _ next cics record __ _ _ record header (glrh_record_header) __ _ _ user header (cl_user_header) rest of caller data __ _ _ last cics record NOTE: "cl_uh_prefix_length" shows the number of bytes of data that is contained in the user prefix. The user prefix data, if present, immediately follows this header, which in turn is followed by the user data.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	CL_USER_HEADER	
(0)	STRUCTURE	12	*	
	IsA(GENLOGUSER)			
(0)	UNSIGNED	4	CL_UH_LENGTH	length of structure inclusive of this field
(4)	UNSIGNED	2	CL_UH_JOURNAL_ TYPE	
				journal type
(6)	CHARACTER	2	CL_UH_RSVD1	reserved
(8)	UNSIGNED	4	CL_UH_PREFIX_ LENGTH	
(C)	CHARACTER		CL_UH_END	user prefix length user prefix data (if any) followed by user data

Constants

Len	Туре	Value	Name	Description
2	DECIMAL	1	LGBH_BLOCK_ VERSION_NO	
3	CHARACTER	DFH	LGBH_BLOCK_ TYPE_DFH	
1	CHARACTER	>	LGBH_BLOCK_	
			TYPE_ARROW	
1	DECIMAL	0	LGBH_LOG_	
			TYPE_GENERAL	
1	DECIMAL	1	LGBH_LOG_ TYPE_SYSTEM	
2	DECIMAL	1	SOR_REC_TYPE	
2	DECIMAL	2	USER_REC_TYPE	

LGMS SMF log format

A CICS user journal (not the System Log) can be defined to reside upon SMF (a special log that MVS SMF manages). This log comprises a sequence of contiguous blocks, some of which are built and written by CICS. Each block built and written by CICS comprises a SMF block header, CICS SMF product section, followed by a CICS data section. The latter comprises of a variable number of CICS records. The format of the block header is defined by the dsect "smf_block_header". The SMF CICS data section, which only shows its start address, has been included for completeness. In reality this section includes a variable number of CICS records. Each CICS record comprise a record header followed by the caller data part. The format of the record header is defined by the dsect "glrh_record_header". The format of the caller data part is unknown at the Log Manager functional level. It usually comprises one or several other CICS component record headers. The record $% \left(1\right) =\left(1\right) \left(1$ header fields "glrh_rec_type" and "glrh_rec_compid" indicates which CICS component is to be used to define this part of the The following diagram shows the physical layout of an SMF log block MVS SMF log __ first log block __ _ smf block header (smf_header) ___ smf cics product section (smf_product_section) __ _ smf cics data section (smf_data_section) __ _ first cics record __ _ _ record header (lgrh_record_header) caller data ___ next cics record __ _ _ last cics record __ next general log block __ last general log block This copybook defines the SMF block header. It should be used in conjunction with the General Log copybook DFHLGGFD which defines the record header and user header. Each block starts with a block header as defined here.

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	158	SMF_BLOCK_HEADER	
(0)	STRUCTURE	158	*	
	IsA(SMFLOGBLO	CKHEADER)	
(0)	CHARACTER	44	SMF_HEADER	
(0)	UNSIGNED	2	SMFH_LEN	record length
(2)	UNSIGNED	2	SMFH_SEG	segment descriptor
(4)	CHARACTER	1	SMFH_FLG	operating system indicator (see constant prefixed smfh_flg below)
(5)	CHARACTER	1	SMFH_RTY	record type (see constant prefixed smfh_rty below)
(6)	CHARACTER	4	SMFH_TME	time record moved (HHMMSST+)
(A)	CHARACTER	4	SMFH_DTE	date record moved (0CYYDDD+)
(E)	CHARACTER	4	SMFH_SID	system identification
(12)	CHARACTER	4	SMFH_SSI	sub-system identification (see constant prefixed smfh_ssi below)
(16)	UNSIGNED	2	SMFH_STY	record subtype (see constant prefixed smfh_sty below)
(18)	UNSIGNED	2	SMFH_TRN	number of triplets in record
(1A)	UNSIGNED	2	SMFH_RSVD1	reserved
(1C)	UNSIGNED	4	SMFH_APS	offset to CICS product section
(20)	UNSIGNED	2	SMFH_LPS	length of CICS product section
(22)	UNSIGNED	2	SMFH_NPS	number of CICS product sections
(24)	UNSIGNED	4	SMFH_ASS	offset to CICS data section
(28)	UNSIGNED	2	SMFH_ASL	length of CICS data section
(2A)	UNSIGNED	2	SMFH_ASN	number of CICS data sections
(2C)	CHARACTER		*	
(2C)	CHARACTER	114	SMF_PRODUCT_ SECTION	

Offset Hex	Туре	Len	Name (Dim)	Description
(2C)	CHARACTER	2	SMFPS_VRM	record version format x'0vrm' v = version r = release m = modification (set to &SMF in DFHSYS)
(2E)	CHARACTER	8	SMFPS_PRN	product name (generic APPLID)
(36)	CHARACTER	8	SMFPS_SPN	specific APPLID
(3E)	CHARACTER	2	SMFPS_MFL	record maintenance indicator
(40)	CHARACTER	2	SMFPS_RSVD2	reserved
(42)	CHARACTER	52	SMFPS_RSVD3	reserved
(76)	CHARACTER	8	SMFPS_JNM	journal name
(7E)	CHARACTER	8	SMFPS_JBN	jobname
(86)	CHARACTER	4	SMFPS_RSD	job date
(8A)	CHARACTER	4	SMFPS_RST	job time
(8E)	CHARACTER	8	SMFPS_UIF	user identification
(96)	CHARACTER	8	SMFPS_PDN	operating system product level
(9E)	CHARACTER		*	
(9E)	CHARACTER		SMF_DATA_ SECTION	CICS records
(9E)	CHARACTER		SMFDS DATA	records follow

Constants

	_			
Len	Туре	Value	Name	Description
4	CHARACTER	CICS	SMFH_SSI_CICS	sub-system identification
1	CHARACTER	ú	SMFH_FLG_ESA4	MVS/ESA V4
1	CHARACTER	>	SMFH_RTY_110	record type 110 for CICS
2	DECIMAL	0	SMFH_STY_LG	for journaling
2	DECIMAL	1	SMFH_STY_MN	for monitoring
2	DECIMAL	2	SMFH_STY_ST	for statistics
4	DECIMAL	2	SMFH_NUMBER_ TRIPLETS	
4	DECIMAL	0	SMFH_MFL_ID	
2	HEX	0530	SMFPS_VRM_VAL	
2	DECIMAL	0	SMFPS_MFL_0	
4	DECIMAL	44	SMFH_PRD_ SECT_OFFSET	
4	DECIMAL	114	SMFH_PRD_ SECT_LENGTH	
4	DECIMAL	1	SMFH_PRD_ SECT_NUMBER	
4	DECIMAL	158	SMFH_DATA_ SECT_OFFSET	
4	DECIMAL	0	SMFH_DATA_	
			SECT_LENGTH	
4	DECIMAL	1	SMFH_DATA_	
			SECT NUMBER	
4	DECIMAL	32756	SMF_MAX_BLOCK_LEN	
4	DECIMAL	32598	SMF MAX DATA	
			SECTION LEN	
			· -	

LGRDS Log manager journal statistics

```
CONTROL BLOCK NAME = DFHLGRDS
DESCRIPTIVE NAME = CICS Log Manager Journal Statistics
    CICS level at which this module was last updated
FUNCTION =
    This data area contains journal statistics provided by
    the Log Manager Domain.
    It is provided for use in users monitoring applications
    to map the statistics returned via the API or the statistics
    exit.
    There is a single instance of this data block.
LIFETIME =
    This data block is created by the Log Manager
    Domain to store statistics to be passed to the user in
    response to a request for statistics. The storage is
    released when the user task is detached.
    The DSECT also maps the contents of part of the SMF buffer
    created by the statistics domain and is used in the
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
    block.
INNER CONTROL BLOCKS = none
NOTES:
 DEPENDENCIES = S/370
 RESTRICTIONS = none
 MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from logger domain
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHLGRDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHLGRDS	Log Mgr Resid stats record
(0)	HALFWORD	2	LGRLEN	Record length
(2)	ADDRESS	2	LGRID	Log Manager stats id
(4)	CHARACTER	1	LGRDVERS	Log Manager stats version
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	8	LGRJNLNAME	Journal name
(10)	BITSTRING	1	LGRJTYPE	Journal type (MVS,SMF,Dummy)
(11)	CHARACTER	1		Reserved
(12)	CHARACTER	26	LGRSTREAM	Log stream name
(2C)	FULLWORD	4	LGRWRITES	No of journal writes
(30)	BITSTRING	8	LGRBYTES	Total No of bytes written
(38)	FULLWORD	4	LGRBUFLSH	No of buffer flush requests
(3C)	CHARACTER	8		Reserved
	.11		LGREND	1121
	.11		LGRDSLEN	"*-LGRLEN" Record length
Constant	s that denote a LG s	stats record		
	.1.1 11.1		LGRIDR	"93" Log Manager resid stats id
	1		LGRVERS	"X'01" Record version number
LGRJTYF	PE enumeration			
	1		LGRJTYPEMVS	"1" MVS log stream
	1.		LGRJTYPESMF	"2" SMF log
	11		LGRJTYPEDMY	"3" Dummy log

LGSDS Log manager logstream statistics

```
CONTROL BLOCK NAME = DFHLGSDS
DESCRIPTIVE NAME = CICS Log Manager Logstream Statistics
FUNCTION =
    This data area contains logstream statistics provided by
    the Log Manager Domain.
    It is provided for use in users monitoring applications
    to map the statistics returned via the API or the statistics
    exit.
    There is a single instance of this data block.
LIFETIME =
    This data block is created by the Log Manager
    Domain to store statistics to be passed to the user in
    response to a request for statistics. The storage is
    released when the user task is detached.
    The DSECT also maps the contents of part of the SMF buffer
    created by the statistics domain and is used in the
    statistics exit.
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
    block.
INNER CONTROL BLOCKS = none
NOTES:
 DEPENDENCIES = S/370
  RESTRICTIONS = none
 MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  {\tt CONTROL\ BLOCKS = from\ logger\ domain}
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHLGSDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHLGSDS	Log Mgr Resid stats record
(0)	HALFWORD	2	LGSLEN	Record length
(2)	ADDRESS	2	LGSID	Log Manager logstream stats id
(4)	CHARACTER	1	LGSDVERS	Log Manager stats version
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	26	LGSSTRNAM	Log stream name
(22)	CHARACTER	2		Reserved
(24)	FULLWORD	4	LGSWRITES	No of log writes
(28)	BITSTRING	8	LGSBYTES	Total No of bytes written
(30)	FULLWORD	4	LGSCUFWTRS	Current number of force waiters
(34)	FULLWORD	4	LGSPKFWTRS	Peak number of force waiters
(38)	FULLWORD	4	LGSTFCWAIT	Total number of force waits
(3C)	FULLWORD	4	LGSBUFWAIT	No of waits due to buffer full
(40)	FULLWORD	4	LGSBRWSTRT	No of log browse starts
(44)	FULLWORD	4	LGSBRWREAD	No of log browse reads
(48)	FULLWORD	4	LGSDELETES	No of log deletes
(4C)	FULLWORD	4	LGSRTYERRS	No of retryable errors
(50)	FULLWORD	4	LGSBUFAPP	No of buffer append reqs
(54)	CHARACTER	1	LGSSYSLG	System log flag
(55)	CHARACTER	1	LGSDONLY	DASD only flag
(56)	CHARACTER	2		Reserved
(58)	CHARACTER	16	LGSSTRUC	CF structure name
(68)	FULLWORD	4	LGSMAXBL	Max block length
(6C)	FULLWORD	4	LGSRETPD	Data retention period
(70)	CHARACTER	1	LGSAUTOD	Data auto delete flag
(71)	CHARACTER	3		Reserved
(74)	CHARACTER	4		Reserved
(78)	CHARACTER	4		Reserved
	.111 11		LGSEND	
	.111 11		LGSDSLEN	"*-LGSLEN" Record length
Constan	ts that denote a LG lo	ogstream sta	ts record	
	.1.1 111.		LGSIDR	"94" Log Manager resid stats id
	1		LGSVERS	"X'01" Record version number
	1		LGSSLYES	"X'01" System log flag - yes
	1.		LGSSLNO	"X'02" System log flag - no
	1		LGSDOYES	"X'01" DASD only log stream - yes
	1.		LGSDONO	"X'02" DASD only log stream - no
	1		LGSADYES	"X'01" Auto delete log stream - yes
	1.		LGSADNO	"X'02" Auto delete log stream - no

LLDC Tc local logical device code table

```
CONTROL BLOCK NAME = DFHLLDC
DESCRIPTIVE NAME = CICS (TC) Local Logical Device Code Table
FUNCTION =

LOCAL LOGICAL DEVICE CODE
AVAILABILITY LIST
The Local Logical Device Code (LLDC) is an optional table that is
used to override values specified in the System Logical Device Code
(SLDC) table. The LLDC table is generated by the
DFHTCT TYPE=TERMINAL or DFHTCT TYPE=LDCLIST macro instructions.
NOTES:

DEPENDENCIES = S/370
RESTRICTIONS = None
MODULE TYPE = Control block definition
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHLLDC	
(0)	BITSTRING	1	LLDCFLGS	FLAGS
	1		LLDCEXT	"X'80'" EXTENDED LOCAL LIST
(0)	CHARACTER	2	LLDCMN	LOGICAL DEVICE CODE MNEMONIC
(2)	BITSTRING	1	LLDCCD	LOGICAL DEVICE CODE
	11		LLDCEND	"*" END OF LOCAL LOGICAL DEVICE CODE ENTRY
	11		LLDCLEN	"*-DFHLLDC" LENGTH OF LOCAL LDC ENTRY

LUC Parameter list

```
CONTROL BLOCK NAME = DFHLUCPS
DESCRIPTIVE NAME = CICS DFHLUC Parameter List
   Contains the request and response for modules called by
   the DFHLUC macro.
   When the DFHLUC macro is used to invoke a LU6.2 request
   appropriate fields in the parameter list are set, and
   module DFHZARL is invoked. All information passed to
   and from DFHZARL is passed in this parameter list.
   It is also used to pass information from DFHZARL to
   DFHZERH and DFHZARR for certain requests, and to DFHZXR3
   for LU6.2 transaction routing.
LIFETIME =
STORAGE CLASS =
LOCATION =
   The control block is located in the LIFO storage of the
   module which issues the DFHLUC macro; it may also
   be copied into the LIFO of the called module.
INNER CONTROL BLOCKS = None
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
 DATA AREAS = None
 CONTROL BLOCKS = None
 GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description		
(0)	STRUCTURE	20	DFHLUCDS			
The first part of the parameter list is common to all requests						
(0)	CHARACTER	1	LUCOPN0	MAJOR REQUEST BYTE		
(1)	CHARACTER	1	LUCOPN1	MINOR REQUEST BYTE 1		
(1)	CHARACTER		*	ALLOCATE / ALLOCATE PRIV		
	1		LUCNOQ	NOQUEUE specified		
	.1		LUCASYSV	LUCASYS is valid		
	1		*			
	1		*			
	1		LUCAPRFV	APROFILE specified		
	1		LUCNPRFV	NPROFILE specified		
	1.		*	·		
	1		*			
(1)	CHARACTER		*	INITIAL CALL, SEND, SEND-FMH		

Offset Hex	Туре	Len Name (Dim)	Description
	1	LUCFROM	Initial data provided or application data provided
	.1	LUCLISTV	LLID data specified
	1	*	
	1	*	
	1	*	
	1.	*	
(4)	1	*	IDOUE AREND (IDOUE ERROR
(1)	CHARACTER 1	LUCABUSE	ISSUE ABEND / ISSUE ERROR User invocation
	.1	*	Oser invocation
	1	*	
	1	*	
	1 1	*	
	1	*	
	1	*	
(1)	CHARACTER	*	ISSUE ATTACH request
	1	LUCNOCHK	TPN check not required
	.1 1	*	
	1	*	
	1	*	
	1	*	
	1.	*	
(1)	1 CHARACTER	*	RECEIVE / RECEIVE FMH request
(1)	1	LUCSET	SET option specified
	.1	LUCBELOW	DATALOC option
	1	LUCNOLA	Look Ahead option
	1	*	
	1	*	
	1.	*	
	1	*	
(1)	CHARACTER 1	* LUCEXPF	SYNC-COMMITTED request
	.1	LUCIMPF	Explicit FORGET specified Implicit FORGET specified
	1	*	Implication of the control of the co
	1	*	
	1	*	
	1	*	
	1	*	
(1)	CHARACTER	*	FREE request
	1 .1	LUCFRIMP	IMPLICIT free
	1	*	
	1	*	
	1	*	
	1	*	
	1.	*	
(2)	CHARACTER	1 LUCOPN2	MINOR REQUEST BYTE 2
(2)	CHARACTER	*	ALLOCATE / ALLOCATE-PRIV
	1	LUCMODNV	LUCMODNM is valid
	.1	LUCATI LUCPRIV	'ATI' Allocate ALLOCATE PRIV request
	1	LUCNETV	NETNAME= specified
	1	LUCMNPRF	Modename set to use profile modename
	1	*	
	1.	*	
(2)	CHARACTER	*	ISSUE ERROR / ISSUE ABEND
(-)	1	LUCAMSGV	LUCAMSG, LUCLMSG valid
	.1	LUCSENSV	LUCSENSE is valid
	1	LUCMSGNV *	LUCMSGNO is valid
	1	LUCSSEND	STATE=SEND was specified
	1	LUCSRECV	STATE=RECEIVE specified
	1.	*	
(0)	1	*	DECENT
(2)	CHARACTER 1	LUCLLID	RECEIVE request receive LLID
	.1	LUCBUFR	receive BUFFER
	1	LUCIMMED	SUBTYPE=IMMEDIATE specified
	1	*	
	1 1	*	
	1.	*	
	1	*	
(2)	CHARACTER	*	SEND / SEND-FMH request
	1 .1	LUCNVIT LUCLAST	INVITE option LAST option (also used for SYNC- PREPARE and SYNC-REQ-COMMIT
	1	LUCCONF	CONFIRM option
	1	LUCFLSH	WAIT (or FLUSH) option

Offset Hex	Туре	Len	Name (Dim)	Description
	1		*	
	1		*	
	1.		*	
	1		*	
(3) (3)	CHARACTER CHARACTER	1	LUCOPN3 *	MINOR REQUEST BYTE 3
	1		LUCSYSCL	System call
	.1		LUCNOSIG	Do not return SIGNAL (Rec)
	1		LUCNOSF	Do not return sess fails
	1		*	
	1		*	
	1		*	
	1.		*	
	1		*	
(4)	CHARACTER	6	LUCRCODE	FEEDBACK FOR REQUEST RELATED ERRORS
(4)	CHARACTER	1	LUCRCOD1	MAJOR ERROR BYTE
(5)	CHARACTER	1	LUCRCOD2	MINOR ERROR BYTE
(6)	CHARACTER	1	LUCRCOD3	MINOR ERROR BYTE
(7)	CHARACTER	1	LUCRCOD4	Reserved
(8)	CHARACTER	1	LUCRCOD5	Reserved
(9)	CHARACTER	1	LUCRCOD6	Reserved
(A)	CHARACTER	6	LUCSDBLK	FEEDBACK FOR Conversation Related Errors
(A)	CHARACTER	1	LUCFDBK1	STORAGE DEFINITION
()	1		LUCCIDCM	1 - DATA COMPLETE
	.1		LUCCISYN	1 - SYNCPOINT REQ'D
	1		LUCCIFRE	1 - FREE REQUESTED
	1		LUCCIREC	1 - RECEIVE REQUIRED
	1		LUCCISIG	1 - SIGNAL RECEIVED
	1		LUCCICON	1 - CONFIRMATION REQ'D
	1.		LUCCIERR	1 - ERROR RECEIVED
	1		LUCCIRBK	1 - ROLLBACK REQUESTED
(B)	CHARACTER	1	LUCFDBK2	
(5)	1	•	LUCCINEG	Negative response received
	.1		LUCCINSU	RECEIVE IMMEDIATE was unsuccesful
	1		*	
	1		*	
	1		*	
	1		*	
	1.		*	
			*	
(C)	CHARACTER	4	LUCCDRCD	ERROR CODE RECEIVED
(10)	ADDRESS	4	LUCTTERQ	ADDRESS OF TCTTE FOR THE CURRENT REQUEST
	cond part of the para nd in different ways b		used by some requests lest:	
(14)	CHARACTER		LUCORG	ADDITIONAL PARAMETERS ARE OVERLAID ON LUCORG

Overlay for ALLOCATE and ALLOCATE-PRIV requests

Offset	Туре	Len	Name (Dim)	Description
Hex (14)	STRUCTURE	52	*	
inp	uts			
(14)	ADDRESS	4	LUCASYS	SYSID (TCTSE) ADDRESS
(18)	CHARACTER	4	LUCNSYS	SYSID (TCTSE) NAME
(1C)	CHARACTER	8	LUCMODNM	MODENAME
out	puts			
(24)	ADDRESS	4	LUCTTEAL	ADDRESS OF ALLOCATED TCTTE
furt	her inputs			
(28)	ADDRESS	4	LUCAPROF	Address of PROFILE
(2C)	CHARACTER	8	LUCNPROF	Name of PROFILE
(34)	FULLWORD	4	LUCNETNL	Netname length
(38)	CHARACTER	8	LUCNETNM	Netname
(40)	CHARACTER	8	LUCMGAL	Mode group allocated

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	STRUCTURE	92	*	
out	puts			
(14)	CHARACTER	1	LUCEPCON	CONVTYPE SPECIFIED IN LUG.2 ATTACH FMH RECEIVED

Overlay for EXTRACT PROCESS requests

Offset	Туре	Len	Name (Dim)	Description
Hex				
(15)	CHARACTER	1	LUCEPSYN	SYNCLEVEL SPECIFIED IN LU6.2 ATTACH FMH RECEIVED
(16)	CHARACTER	1	LUCTTPNL	ACTUAL LENGTH OF TPN IN LU6.2 ATTACH FMH RECEIVED
(17)	CHARACTER	64	LUCTTPN	TPN IN LU6.2 ATTACH FMH RECEIVED
(57)	CHARACTER	1	*	alignment
(58)	ADDRESS	4	LUCPIPDA	address of PIP list
(5C)	HALFWORD	2	LUCPIPDL	LENGTH OF PIPLIST
(5E)	CHARACTER	8	LUCMODEN	Mode name
(66)	HALFWORD	2	LUCLUNML	Length of fully qualified LU name
(68)	CHARACTER	8	LUCLUNAM	Qualified LU name

Overlay for FREE STORAGE request

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	STRUCTURE	4	*	
inpi	uts			
(14)	ADDRESS	4	LUCASTG	ADDR STORAGE TO BE FREED

Overlay for GET-MY-LUNAME request

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	STRUCTURE	4	*	
outputs				
(14)	ADDRESS	4	LUCALUNM	ADDRESS OF QUALIFIED LUNAME - ONE BYTE LENGTH FOLLOWED BY QUALIFIED LUNAME

Overlay for ISSUE-ABEND and ISSUE-ERROR requests

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	STRUCTURE	12	*	
inpi	uts			
(14)	ADDRESS	4	LUCAMSG	MESSAGE TEXT ADDRESS
(18)	HALFWORD	2	LUCLMSG	MESSAGE TEXT LENGTH
(1A)	CHARACTER	2	LUCMSGNO	MESSAGE NUMBER
(1C)	CHARACTER	4	LUCSENSE	SENSE CODE

Overlay for ISSUE-ATTACH request

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	STRUCTURE	68	*	
inp	uts			
(14)	CHARACTER	1	LUCRQCON	CONVTYPE REQUIRED IN LU6.2 ATTACH FMH SENT
(15)	CHARACTER	1	LUCRQSYN	SYNCLEVEL REQUIRED IN LU6.2 ATTACH FMH SENT
(16)	CHARACTER	1	LUCFTPNL	LENGTH OF TPN FOR LU6.2 ATTACH FMH SENT
(17)	CHARACTER	64	LUCFTPN	TPN FOR LU6.2 ATTACH FMH SENT
(57)	CHARACTER	1	LUCPIP	PIP DATA TO BE SENT
` ,	1		*	
	.1		*	
	1		*	
	1		*	
	1		*	
	1		*	
	1.		*	
	1		LUCPIPI	1 - PIP DATA PRESENT

Overlay for RECEIVE (R) and RECEIVE-FMH (RF) requests

Offset Hex	Туре	Len	Name (Dim)	Description	
(14)	STRUCTURE	16	*		
inpi	inputs				
(14)	ADDRESS	4	LUCTAREA	INTO AREA ADDR (R, RF)	·
(18)	FULLWORD	4	LUCTAREL	MAX. APPL LENG (R, RF)	
outputs					
(1C)	ADDRESS	4	LUCBFPTR	SET DATA ADDR (R, RF)	
(20)	FULLWORD	4	LUCTDATL	ACT. DATA LENG (R, RF)	

Overlay for SEND (S), SEND-FMH (SF) and INITIAL-CALL requests

Offset	Туре	Len	Name (Dim)	Description	
Hex (14)	STRUCTURE	16	*		
inpu	uts				
(14)	ADDRESS	4	LUCFDATA	DATA ADDRESS (S, SF)	
(18)	FULLWORD	4	LUCFDATL	DATA LENGTH (S, SF)	
(1C)	ADDRESS	4	LUCLISTA	LIST address (Send)	
(20)	FULLWORD	4	LUCLISTS	LIST size	

Overlay for SYNC-PREPARE request

Offset	Туре	Len	Name (Dim)	Description	
Hex (14)	STRUCTURE	1	*		
outp	outs				
(14)	CHARACTER 1	1	LUCSPRET LUCSPRQD LUCSPFGT LUCSPHM LUCSPVUR * .	RESULT OF PREPARE RQD2 received FORGET received HM Received Vote unreliable received	

Overlay for SYNC-REQ-COMMIT request

Offset Hex	Туре	Len	Name (Dim)	Description	
(14)	STRUCTURE	1	*		
outp	outs				
(14)	CHARACTER 1 11	1	LUCSRRET LUCSRDR2 LUCSRNVL LUCSRHM	RESULT OF REQUEST COMMIT DR2 received Invalid response received HM received	

Overlay for SYNC-COMMITTED request

Offset Hex	Type	Len	Name (Dim)	Description	
(14)	STRUCTURE	1	*		
out	puts				
(14)	CHARACTER 11111 1 1 11.	1	LUCSCRET LUCSCFGT LUCSCNVL LUCSCHM * * * *	RESULT OF COMMITTED FORGET received Invalid response received HM Received	

Constants

Len	Туре	Value	Name	Description
1	HEX	01	LUCALLOC	ALLOCATE REQUEST
1	HEX	02	LUCTSIG	TEST-SIGNAL request
1	HEX	03	LUCEXTP	EXTRACT PROCESS REQUEST
1	HEX	05	LUCFREE	FREE REQUEST
1	HEX	06	LUCIABN	ISSUE ABEND REQUEST
1	HEX	07	LUCIATT	ISSUE ATTACH REQUEST
1	HEX	08	LUCICON	ISSUE CONFIRMATION REQ
1	HEX	09	LUCIERR	ISSUE ERROR REQUEST
1	HEX	0A	LUCISIG	ISSUE SIGNAL REQUEST
1	HEX	0B	LUCRECV	RECEIVE REQUEST
1	HEX	0C	LUCSEND	SEND REQUEST
1	HEX	0D	LUCWAIT	WAIT REQUEST
1	HEX	10	LUCFRST	FREE STORAGE REQUEST
1	HEX	11	LUCICAL	INITIAL CALL REQUEST
1	HEX	12	LUCPRVAL	ALLOCATE-PRIV REQUEST
1	HEX	13	LUCPREP	SYNC PREPARE REQUEST
1	HEX	14	LUCRQCM	SYNC REQUEST COMMIT REQ
1	HEX	15	LUCCMTD	SYNC COMMITTED REQUEST
1	HEX	16	LUCFGET	SYNC FORGET REQUEST
1	HEX	18	LUCGLUN	Get LUNAME request
1	HEX	19	LUCRBCK	SYNC ROLLBACK REQUEST
1	HEX	1A	LUCSFMH	SEND FMH request
1	HEX	1B	LUCRFMH	RECEIVE-FMH REQUEST
1	HEX	1C	LUCUNBDC	UNBIND-CLEANUP request
1	HEX	1D	LUCISPRE	ISSUE-PREPARE request
1	HEX	20	LUCRERP	ERP FMH RECEIVED
1	HEX	21	LUCRNEG	NEG RESP RECEIVED
1	HEX	22	LUCLSDST	CLSDST call
1	HEX	23	LUCPRGSD	PURGE-SEND call
The f	following constants	define the values of the Mai	or Error	

The following constants define the values of the Major Error byte LUCRCOD1:

01 LUCESYSI SYSID error

The following values of LUCRCOD2 qualify this value of LUCRCOD1: '08'X SYSID is out of service This is further qualified by the following values of LUCRCOD3: '00'X Local queueing was not attempted '04'X Local queueing did not succeed '0C'X SYSID is not known in TCT This is further qualified by the following values of LUCRCOD3: '00'X SYSID name is not known '04'X SYSID name is not that of a TCTSE '08'X SYSID.MODENAME is not known '0C'X SYSID.PROFILE is not known

1	HEX	02	LUCESYSB	SYSBUSY error
1	HEX	03	LUCEINVR	INVREQ ERROR

The following values of LUCRCOD2 qualify this value of LUCRCOD1: '00'X Session is not defined as LU6.2 '04'X Converation level is wrong '08'X State error '0C'X Synclevel cannot be supported '0D'X Negative receive length (LUCTAREL) '10'X LL count error '11'X LL is invalid '12'X LL is incomplete '14'X Invalid request '18'X TPN send check failed '24'X Invalid request to ISSUE PREPARE

	24 A Invalid request to 1000E FIXEL AIXE							
_	Equates for LUCRCOD2 qualifiers documented above							
1	HEX	00	LUCERC00					
1	HEX	01	LUCERC01					
1	HEX	02	LUCERC02					
1	HEX	03	LUCERC03					
1	HEX	04	LUCERC04					
1	HEX	05	LUCERC05					
1	HEX	06	LUCERC06					
1	HEX	08	LUCERC08					
1	HEX	0C	LUCERC0C					
1	HEX	0D	LUCERC0D	Negative receive length				
1	HEX	10	LUCERC10					
1	HEX	14	LUCERC14					

Len	Туре	Value	Name	Description
1	HEX	18	LUCERC18	
1	HEX	1C	LUCERC1C	
1	HEX	20	LUCERC20	
1	HEX	24	LUCERC24	
1	HEX	04	LUCENTAL	NOTALLOC error
1	HEX	05	LUCELENG	LENGERR ERROR
1	HEX	06	LUCEPROF	PROFILE not found
1	HEX	11	LUCERLLE	Invalid LL
1	HEX	12	LUCERLLI	Incomplete LL
Consta	ant values for LUCRQC	ON (also used for LUCEPCON)		
1	HEX	00	LUCUNMP	CONVTYPE IS UNMAPPED (GDS)
1	HEX	01	LUCMAPD	CONVTYPE IS MAPPED (ELM)
Consta	ant values for LUCRQS	YN (also used for LUCEPSYN)		
1	HEX	00	LUCSYNC0	SYNCLEVEL 0 (NOSYNC)
1	HEX	01	LUCSYNC1	SYNCLEVEL 1 (CONFIRM)
1	HEX	02	LUCSYNC2	SYNCLEVEL 2 (SYNCPT)
Define	the length of the control	ol block		
4	DECIMAL	112	LUCLSTG	

LUM **Parameter list**

CONTROL BLOCK NAME = DFHLUMPS DESCRIPTIVE NAME = CICS DFHLUCM Parameter List FUNCTION = Contains the request and response for modules called by the DFHLUCM macro.
When the DFHLUCM macro is used to invoke a LU6.2 migration request, appropriate fields in the parameter list are set, and module DFHZARM is invoked. STORAGE CLASS = LOCATION = The control block is located in the LIFO storage of the module which issues the DFHLUCM macro. INNER CONTROL BLOCKS = None DEPENDENCIES = S/370 RESTRICTIONS = MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = None

GLOBAL VARIABLES (Macro pass) =

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	DFHLUMDS	
	MAJOR AND MINOR	REQUEST	BYTES	
(0)	BITSTRING	1	LUMOPN0	MAJOR REQUEST BYTE
(1)	BITSTRING	1	LUMOPN1	MINOR REQUEST BYTE 1
(2)	BITSTRING	1	LUMOPN2	MINOR REQUEST BYTE 2
(3)	BITSTRING	1	LUMOPN3	MINOR REQUEST BYTE 3
	OTHER DEFINITIONS			
(4)	ADDRESS	4	LUMTTERQ	ADDRESS OF TCTTE FOR THE CURRENT REQUEST
(8)	CHARACTER	4	LUMCDRCD	ERROR CODE, IF ANY, THAT HAS OCCURRED
(C)	CHARACTER	4	LUMPARMS	OVERLAY FOR ADDITIONAL PARAMETERS WHERE NEEDED
(C)	CHARACTER	2	LUMGDSID	GDS ID THAT IS EITHER UNKNOWN OR UNSUPPORTED
(E)	CHARACTER	2	*	Reserved

Constants

Len	Type	Value	Name	Description
1	HEX	01	LUMSEND	SEND REQUEST
1	HEX	02	LUMWAIT	WAIT REQUEST
1	HEX	03	LUMRECV	RECEIVE REQUEST
1	HEX	04	LUMSIGN	SIGNAL REQUEST
1	HEX	06	LUMFREE	FREE REQUEST
1	HEX	07	LUMBDID	INVALID ID REQUEST
1	HEX	08	LUMRSET	RESET REQUEST

Zcp LU sevices manager parameter **LUSDS**

```
CONTROL BLOCK NAME = DFHLUSPS
DESCRIPTIVE NAME = CICS (ZCP) LU services manager parameter
             list.
FUNCTION =
   This control block is used to pass parameter information
   to the LU services manager.
   Note that the PLX version of this control block differs
   somewhat from the assembler version:

    The assembler version is prefixed by two halfwords which are used by DFHIC GET/PUT. Users of the PLX

     version are expected to manage define that extra
     storage themselves. This apparent snag is balanced by
     the fact that the PLX version is more useful for
     command level usage, where the length is logically
     separated from the data
   2. The assembler version does not define the DCE signoff
     structure, since no assembler code uses it
LIFETIME =
STORAGE CLASS =
LOCATION =
INNER CONTROL BLOCKS =
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	*	DFHLUSPS	
(0)	CHARACTER	20	LUS_PV_PARM_LIST	2@L4D
(0)	BITSTRING	1	LUSTYPE	CALL TYPE
(1)	BITSTRING	1	*	Reserved
(2)	HALFWORD	2	LUSUSERL	USERID II(SIGNOFF)
(4)	CHARACTER	4	LUSNSYS	SYSID NAME
(8)	CHARACTER	8	LUSUSER	USERID (SIGNOFF)
(10)	ADDRESS	4	LUSURDA	A(URD)
(0)	CHARACTER	*	LUS_DCE_ PARM_LIST	
(0)	CHARACTER	4	LUS_IDENTIFIER	identifies the data
(4)	UNSIGNED	1	LUS_ITEM_COUNT	number of UUIDs
(5)	CHARACTER	54	UUID_ENTRIES (*)	
(5)	UNSIGNED	1	LUS_TABLE_FLAG	LOFT or LOTT table
(6)	CHARACTER	4	LUS_CONNECTION	connection id
(A)	CHARACTER	16	LUS_CURRENT_ UUID	Current uuid
(1A)	CHARACTER	32	LUS_PARTNER_ UUIDS	
				Partners uuids
(3A)	UNSIGNED	1	LUS_MECHANISM_ ID	mechanism

DATA AREAS = CONTROL BLOCKS =

GLOBAL VARIABLES (Macro pass) =

Constants

Len 1 1 1	Type HEX HEX HEX	Value 05 06 07	Name LUSRSYNC LUSSOFF LUSTOUT	Description RESYNC SIGNOFF TIMEOUT		
The f	ollowing constant defin	es the values of LUS_IDENTIFIER				
4	CHARACTER	*DCE	LUS_DCE			
The f	ollowing constants defi	ne the values of LUS_ TABLE_FLA	G			
1	HEX	01	LUS_SIGNED_ON_TO			
1	HEX	02	LUS_SIGNED_ON_FROM			
The f	The following constant defines the values of LUS_ MECHANISM_ID0					
1	HEX	01	LUS_DCE_TICKET			

MAP BMS map object DSECT

MODULE NAME = DFHMAPDS DESCRIPTIVE NAME = CICS/ESA BMS MAP OBJECT DSECT DUAL LANGUAGE DSECT FUNCTION = DUAL LANGUAGE DSECT FOR THE BMS MAP OBJECT. CONTAINS SEPARATE SECTIONS FOR THE MAPSET HEADER, THE TAB MAP, THE MAP HEADER, THE MAPNAME ALIAS EXTENSION AREA, AND THE FIELD SPECIFICATION. THE MAP OBJECT IS BUILT BY THE MAP DEFINITION MACROS ON ASSEMBLING A MAP SPECIFYING SYSPARM=-MAP. IT IS STORED IN THE PROGRAM LIBRARY WITH A PPT ENTRY. IT IS LOADED INTO MAIN MEMORY BY DFHMCP. THE MAP OBJECT IS REFERENCED BY BMS MODULES. NOTES: DEPENDENCIES = S/370 RESTRICTIONS = NONE

MODULE TYPE = Control Block EXTERNAL REFERENCES = NONE MACROS = NONE

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	12	DFHMAPDS	DUMMY SECTION - MAP DESCRIPTION	
	MAP SET SPEC	IFICATION	S		
(0)	CHARACTER	8	BMSNAME	MAP SET NAME	
(8)	UNSIGNED	1	BMSTRL	PAGE OVERFLOW TRAILER LENGTH	
(9)	CHARACTER	1	*	RESERVED	
(A)	CHARACTER	2	BMSDELDM	DEFAULT LDC MNEMONIC	
(C)	CHARACTER		BMSMSHEA	MAP SET HEADER ENDING ADDRESS	

TAB FORMAT MAP SPECIFICATIONS

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	18	BMSTABM	
FIELD	S ARE SEQUENCE	SENSITIVE	WITH NORMAL MAP	
(0)	CHARACTER	1	BMSMTI	MAP TYPE INDICATOR
(1)	CHARACTER	3	*	RESERVED
(4)	BITSTRING	1	BMSTFMI	TAB MAP INDICATOR
	1		*	
	.1		BMSTFMV	VERTICAL TAB MAP
	1		BMSTFMH	HORIZONTAL TAB MAP
(5)	CHARACTER	3	*	RESERVED
(8)	CHARACTER	8	BMSTFN	TAB MAP NAME
(10)	HALFWORD	2	BMSTFL	TAB MAP LENGTH
(12)	CHARACTER		BMSTFEA	ENDING ADDRESS

MAP SPECIFICATIONS

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	79	BMSMAPH		
FIELDS	ARE SEQUENCE	SENSITIVE	WITH TAB FORMAT MAP		
(0)	HALFWORD	2	BMSMHLL	MAP HEADER LENGTH 0 FOR PRE1.7 MAPS X'8100' FOR TAB MAPS	
(0) (1)	CHARACTER CHARACTER	1 1	BMSMT *	MAP TYPE CODE RESERVED	
(2)	CHARACTER	2	BMSIPR	NAME OF INPUT PARTITION	
(4)	ADDRESS	4	BMSMDA	MAP DATA ADDRESS	
(4) (6)	CHARACTER CHARACTER	2 2	BMSOPR BMSAPR	NAME OF OUTPUT PARTITION NAME OF ACTIVE PARTITION	
(8)	CHARACTER	8	BMSMNAME	MAP NAME	
(10)	HALFWORD	2	BMSMS	MAP LENGTH, INCLUDING ANY MAP HEADER EXTENSION AREA	
(12)	HALFWORD	2	BMSMSSL	IF BMSMODE(BMSMHEXT) IS SET ON THEN THIS IS THE OFFSET OF THE MAP HEADER EXTENSION AREA FROM THE START OF THE MAP HEADER. ON ENTRY TO DFHML1 IT HOLDS (NUMBER OF FIELDS)*10 AND DFHML1 USES THIS FIGURE OTHERWISE IT IS IGNORED	
(14) (16)	HALFWORD HALFWORD	2 2	BMSMSI BMSMSO	INPUT WORK AREA LENGTH OUTPUT WORK AREA LENGTH	
(18)	CHARACTER	1	BMSMODE	MAP DESCRIPTOR FLAG BYTE	
	1		BMSMODO BMSMODI	MODE = OUT MODE = IN	
	1		BMSMHEXT	THIS MAP OR MAP COPY HAS A MAP HEADER EXTENSION AREA	
	1		* BMSMODOF	THIS MAP ELIGIBLE FOR OUTBOARD FORMATING, IF ON AT ASSEMBLY TIME. IF ON IN	
				M32 - MAP IS USED FOR OUTBOARD FORMAT	
	1		BMSMODOR	THIS MAP (COPY) WHICH IS USED WITH AN OUTBOARD FORMAT HAS BEEN RELOCATED BY PBP. SET BY PBP, TESTED BY M32	
	1.		BMSMODTC BMSDATB	THIS MAP (COPY) ALSO CONTAINS A TIOA COPY DATA = BLOCK	
(19)	CHARACTER	1	BMSWCC	3270 WRITE CONTROL CHARACTER	
(1A)	HALFWORD	2	BMSCURSR	3270 CURSOR POSITION	
(1C)	CHARACTER 1	1	BMSMARG *	MAP MARGIN	
	.1		*		
	1		*		
	1		BMSMARBG	JUSTIFY = BOTTOM	
	1		BMSMARGR	JUSTIFY = RIGHT	
	1.		BMSMARGL BMSMARGF	JUSTIFY = LAST JUSTIFY = FIRST	
(1D)	UNSIGNED	1	BMSML	MAP LENGTH - NUMBER OF LINES	
(1E) (1F)	UNSIGNED UNSIGNED	1 1	BMSMW BMSMSL	MAP WIDTH - NUMBER OF COLUMNS MAP STARTING LINE NUMBER	
(20)	UNSIGNED	1	BMSMSC	MAP STARTING CINE NOMBER MAP STARTING COLUMN NUMBER	
(21)	CHARACTER	1	BMSMI	MAP INDICATORS	
	1		BMSMIXM BMSMIXD	EXTENDED ATTRS IN MAP EXTENDED ATTRS IN APPLICATION STRUCTURE	
	1		BMSMIAL	1 = ALIGNED MAP, 0 =UNALIGNED MAP	
	1		BMSMI16	MAP ASSEMBLED AT CICS/VS 1.6 OR LATER	
	1		BMSMICL BMSMIH	CURSOR IN FIELD IND REQD * HEADER MAP	
	1.		BMSMIT	TRAILER MAP	
(22)	1 CHARACTER	1	BMSMIS BMSMSTR2	FIELDS ARE NOT IN SEQUENCE TYPE REQUEST BYTE TWO FROM TCA	
(23)	CHARACTER	1	BMSMSTR3	TYPE REQUEST BYTE THREE FROM TCA	
	1		*		
	.1		BMSMSHON	HONEOM REQD ON O/P MAPPING * (EXEC I/F ONLY)	
	1		*		
	1		BMSMSTC BMSMSTCW	CURSOR = NUMBER CTRL = ANY 3270 WCC	
(24)	CHARACTER	1	BMSMSTR4	TYPE REQUEST BYTE FOUR FROM TCA	
	1		* BMSMSTDN	DATA = NO	
	1		BMSMSTRS	TYPE = SAVE	
	1		*		
	1		BMSMSTRM	TYPE = MAP	
	1.		BMSMSTRE	TYPE = ERASE	
(25)	1 CHARACTER	1	BMSMSTRI BMSMSTR5	TYPE = IN TYPE REQUEST BYTE FIVE FROM TCA	
(23)	1		BMSMSTRB	TYPE = PAGEBLD	
	.1		*		
	1		*		
	1		*		
(26)	1 HALFWORD	2	BMSMSTRO BMSMSCP	TYPE = OUT CURSOR POSITION FROM TCA	
(26) (26)	HALFWORD	2	BMSDESCO	offset of ADS descriptor in loaded mapset, if present	
(28)	CHARACTER	1	BMSMSWCC	WRITE CONTROL CHARACTERS FROM TCA	
(29)	UNSIGNED	1	BMSATNO	FOR EXTENDED FORMAT MAPS, THE NUMBER OF BYTES IN BMSMATTS AND BMSDATTS =12 FOR RELEASE 1.7	
(29)	CHARACTER	1	BMSMI2	MAP INDICATOR EXTENSION	
	1 .1		BMSMI2RM BMSMI2RD	KANJI EXTENDED ATTRS IN MAP *	
(2A)	CHARACTER		BMSMI2RD BMSMSEA	KANJI EXTENDED ATTRS IN APPLICATION STRUCTURE MAP SPECIFICATION ENDING ADDRESS FOR PRE1.7 MAPS	

Offset Hex	Туре	Len	Name (Dim)	Description	
EXTENDED FORMAT MAPS FOLLOWING FIELDS ARE ADDED FOR CICS R1.7 MAPS ASSEMBLED IN R170 AND AFTER WILL CONTAINS THESE FIELDS IN THE MAP HEADER					
(2A)	ADDRESS	4	BMSMCA	MAP CHAIN ADDRESS	
(2E)	HALFWORD	2	BMSMAL	LENGTH OF ATTRIBUTES IN FIELD IN MAP	
(30)	HALFWORD	2	BMSDAL	LENGTH OF ATTRIBUTES IN FIELD IN DATA STRUCTURE *	
(32)	CHARACTER	12	BMSMATTS	MASK FOR ATTRIBUTES IN MAP FIELD: 00 - ATTR NOT IN FIELD NN - INDEX OF ATTR IN FLD *	
(3E)	CHARACTER	12	BMSDATTS	MASK FOR ATTRIBUTES IN DATA STRUCTURE FIELD 00 - ATTR NOT IN FIELD NN - INDEX OF ATTR IN FLD *	
(4A)	UNSIGNED	1	BMSFLDSL	LENGTH OF FIELD SEPARATOR 0 IF NOT SPECIFIED	
(4B)	CHARACTER	4	BMSFLDSP	FIELD SEPARATOR UP TO FOUR CHARACTERS	
(4F)	CHARACTER		BMSXMSEA	MAP SPECIFICATION ENDING ADDRESS FOR EXTENDED FORMAT MAPS	

FIELD SPECIFICATIONS

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	BMSFLD	
(0)	CHARACTER	8	BMSFSL	FIELD SPEC NO EXTATT
(0)	HALFWORD	2	BMSFPP	FIELD PAGE POSITION
(0)	UNSIGNED	1	BMSFPP_BYTE1	FIELD PAGE BYTE1
(1)	UNSIGNED	1	BMSFPP_BYTE2	FIELD PAGE BYTE2
(2)	HALFWORD	2	BMSFL	FIELD LENGTH
(4)	CHARACTER	1	BMSFDFB	FIELD DESCRIPTOR FLAG BYTE
	1		BMSFDCM	CASE = MIXED
	.1		BMSFDGFE	GROUP FIELD ENTRY
	1		BMSFDGFD	GROUP FIELD DESCRIPTOR
	1		BMSFDPDA	ATTRB = DET
	1		BMSFDJZ	JUSTIFY = ZERO
	1		BMSFDJR	JUSTIFY = RIGHT
	1.		BMSFDDD	INITIAL = ANY USER INFORMATION
	1		BMSFDNF	DSECT ENTRY EXISTS
(5)	CHARACTER	1	BMSFA	FIELD ATTRIBUTE
(6)	HALFWORD	2	BMSFP	FIELD POSITION
(8)	CHARACTER		BMSFEA	FIELD ENDING ADDRESS
(8)	CHARACTER	4	BMSXATTR	EXTENDED ATTRIBUTES
(8)	CHARACTER	1	BMSFXC	FIELD COLOR ATTRIBUTE
(9)	CHARACTER	1	BMSFXP	FIELD PSS ATTRIBUTE
(A)	CHARACTER	1	BMSFXH	FIELD HIGHLIGHT ATTRIBUTE
(B)	CHARACTER	1	BMSFXV	FIELD VALIDATION ATTRIBUTE
(C)	CHARACTER		BMSFEAL	FIELD END ADDRESS IF EXTENDED ATTRIBUTES INCLUDED

ALIAS EXTENSION AREA

THIS IS THE FIRST USE OF A MAP HEADER EXTENSION AREA. THIS FOLLOWS THE LAST FIELD IN A MAP, AND IS POINTED TO BY BMSMSS THE FLAG BMSMODE(BMSMHEXT) IS SET ON IF THIS AREA IS PRESENT THIS AREA CONTAINS A NUMBER OF EXTENSION RECORDS, EACH HEADE BY ONE BYTE LENGTH AND TYPE FIELDS. IT IS THUS EXTENDABLE. NOTE HOWEVER THAT THE CICS/VS 1.5 OBF CODE DOES NOT TEST THE EXTENSION RECORD TYPE AND LENGTH. ANY FURTHER USE OF THIS MAY REQUIRE REWORK OF THE OBF SUPPORT IN PBP AND M32. THE MAP ALIAS EXTENSION RECORD IS USED FOR PASSING THE NAMES OF OUTBOARD MAP-GROUP AND OUTBOARD FORMAT TO M32

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	19	BMSALIAS	
(0)	UNSIGNED	1	BMSALLNG	LENGTH OF ALIAS EXTENSION
(1)	CHARACTER	1	BMSALTYP	TYPE CODE FOR ALIAS EXTENSION
	1		*	
	.1		*	
	1		*	
	1		*	
	1		*	
	1		*	
	1.		*	
	1		BMSALTEQ	ALIAS EXTENSION TYPE CODE
(2)	CHARACTER	8	BMSOGNME	OUTBOARD MAP-GROUP NAME
(A)	CHARACTER	8	BMSOFNME	OUTBOARD FORMAT NAME
(12)	CHARACTER	1	BMSOFFLG	FLAG BYTE
	1		*	
	.1		*	
	1		*	

Offset Hex	Туре	Len	Name (Dim)	Description
	1		*	
	1		*	
	1		*	
	1.		*	
	1		BMSOFMGS	MAP-GROUP NAME SUFFIXED
(13)	CHARACTER		BMSALEND	END OF ALIAS EXTENSION AREA

Constants

Len	Type	Value	Name	Description
1	HEX	81	BMSMTF	INDICATING TAB MAP
1	HEX	C0	BMSMODIO	MODE = INOUT
1	HEX	FF	BMSMSLN	LINE = NEXT
1	HEX	FE	BMSMSLS	LINE = SAME
1	HEX	FF	BMSMSCN	COLUMN = NEXT
1	HEX	FE	BMSMSCS	COLUMN = SAME
1	HEX	C0	BMSMSTDY	DATA = YES

MBCA Transient data buffer control

```
MODULE NAME = DFHMBCPS
DESCRIPTIVE NAME = Transient Data Buffer Control
             CICS/ESA AP Domain
FUNCTION =
   Copybook DFHMBCPS provides structures, DFHMBCA and
   DFHMBCB and DFHMQCB.
   DFHMBCA describes the Buffer Common Area (MBCA),
   only one MBCA is allocated.
   DFHMBCB describes the Buffer Control Block (MBCB),
   one MBCB is allocated for each I/O buffer
   DFHMQCB describes the Queue Control Block (MQCB),
   one MQCB is allocated for each I/O buffer. MQCBs
   are used to optimize the search for I/O buffers
   containing records for a given queue.
LIFETIME =
   The lifetime of the control blocks and I/O buffers
   is essentially that of CICS.
STORAGE CLASS =
   The control blocks are located in storage allocated
   from the DFHTDG31 subpool.
   The I/O buffers, if required, are located in storage
   allocated from the DFHTDIOB subpool.
   Note that the number of I/O buffers is defined as
   a SIT parameter / override.
   Note also that the number of I/O buffers allocated
   may exceed the number requests where this does not
   cause further pages to be allocated.
LOCATION =
   The MBCA is located from the TDST.
   MBCBs are located on one of three bi-directional
   chains whose anchors are located in the MBCA
    1. unallocated, I/O buffer is (logically) empty
    2. unallocated, I/O buffer contains valid data
    3. allocated, I/O buffer is (logically) modified
   MQCBs are located on one of many bi-directional
   chains
    1. anchor located in the MBCA when the associated
      MBCB is on chain 1
    2. anchor located in the relevant DCTE when the
      associated MBCB is on chain 2 or chain 3.
   Each MQCB may be located from its associated MBCB
   and vice versa.
INNER CONTROL BLOCKS =
   There are no inner control blocks.
NOTES:
DEPENDENCIES =
RESTRICTIONS =
   There are no restrictions.
MODULE TYPE =
   Control block definition.
       MULTIPLE BUFFERS - BUFFER COMMON AREA (MBCA)
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	112	DFHMBCA	
(0)	CHARACTER	16	MBCA_PREFIX	prefix
(0)	HALFWORD	2	MBCA_LENGTH	- length
(2)	CHARACTER	1	MBCA_ARROW	- value - '>'
(3)	CHARACTER	3	MBCA DFH	- value - 'DFH'
(6)	CHARACTER	2	MBCA_DOMID	- value - 'TD'
(8)	CHARACTER	8	MBCA BLOCK	- value - 'MBCA '
(10)	CHARACTER	4	*	MBCA STATUS
(10)	CHARACTER	1	MBCAFLG0	- I/O BUFFERS
(10)	1		MBCABFAL	- ALLOCATED
	.1		MBCABFRQ	- REQUIRED
	11 1111		*	- Reserved
(11)	CHARACTER	1	MBCAFLG1	- Reserved
(11)	BITSTRING	1	*	- Reserved
	CHARACTER	1	MBCAFLG2	- Reserved
(12)			WIBCAFLG2	
(12)	BITSTRING	1	MECAFLOS	- Reserved
(13)	CHARACTER	1	MBCAFLG3	- Reserved
(13)	BITSTRING	1	_	- Reserved
(14)	CHARACTER	12		I/O BUFFERS
(14)	FULLWORD	4	MBCANBFR	- #(BUFFERS REQUESTED)
(18)	FULLWORD	4	MBCANBFA	- #(BUFFERS ALLOCATED)
(1C)	FULLWORD	4	MBCABFSZ	- L(EACH BUFFER)
(20)	CHARACTER	32	*	MBCB CHAIN ANCHORS
(20)	CHARACTER	8	MBCACHN1	 UNALLOC/EMPTY CHAIN
(20)	ADDRESS	4	MBCAFCN1	- A(FIRST MBCB)
(24)	ADDRESS	4	MBCABCN1	- A(LAST MBCB)
(28)	CHARACTER	8	MBCACHN2	 UNALLOC/VALID CHAIN
(28)	ADDRESS	4	MBCAFCN2	- A(FIRST MBCB)
(2C)	ADDRESS	4	MBCABCN2	- A(LAST MBCB)
(30)	CHARACTER	8	MBCACHN3	- ALLOCATED CHAIN
(30)	ADDRESS	4	MBCAFCN3	- A(FIRST MBCB)
(34)	ADDRESS	4	MBCABCN3	- A(LAST MBCB)
(38)	CHARACTER	8	MBCACHNS	- STATIC CHAIN
(38)	ADDRESS	4	MBCAFCNS	- A(FIRST MBCB)
(3C)	ADDRESS	4	*	- Reserved
(40)	CHARACTER	8	*	MQCB CHAIN ANCHORS
(40)	CHARACTER	8	MBCACHNQ	- QUEUE INDEPENDENT CHAIN
(40)	ADDRESS	4	MBCAFCNQ	- A(FIRST MQCB)
(44)	ADDRESS	4	MBCABCNQ	- A(LAST MQCB)
(48)	CHARACTER	8	MBCA_SRC	MBCB allocation chain
(48)	ADDRESS	4	MBCA_TCA_P	- A(owning TCA) or 0
(4C)	ADDRESS	4	MBCA_MWCB_P	- A(first MWCB) or 0
(50)	CHARACTER	32	*	MBCB STATISTICS
(50)	CHARACTER	12	*	- ALLOCATION REQUESTS
(50)	FULLWORD	4	MBCATNAL	- TOTAL
` '		4		- CURRENT CONCURRENT
(54)	FULLWORD	4	MBCACNAL	
(58)	FULLWORD	-	MBCAMXAL	- MAXIMUM CONCURRENT
(5C)	CHARACTER	12	MOCATNIMIT	- QUEUED REQUESTS
(5C)	FULLWORD	4	MBCATNWT	- TOTAL
(60)	FULLWORD	4	MBCACNWT	- CURRENT CONCURRENT
(64)	FULLWORD	4	MBCAMXWT	- MAXIMUM CONCURRENT
(68)	CHARACTER	8		- # CONTAINING VALID DATA
(68)	FULLWORD	4	MBCACNIU	- CURRENT
(6C)	FULLWORD	4	MBCAMXIU	- MAXIMUM
(70)	CHARACTER		*	

MULTIPLE BUFFERS - BUFFER CONTROL BLOCK (MBCB)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	56	DFHMBCB	
(0)	CHARACTER	12	*	MBCB CHAINS
(0)	CHARACTER	8	*	- STATUS SPECIFIC CHAIN
(0)	ADDRESS	4	MBCBFCHN	- A(NEXT MBCB)
(4)	ADDRESS	4	MBCBBCHN	- A(PREVIOUS MBCB)
(8)	CHARACTER	4	*	- STATIC CHAIN
(8)	ADDRESS	4	MBCBSCHN	- A(NEXT MBCB) OR 0
(C)	CHARACTER	4	*	I/O BUFFER STATUS
(C)	CHARACTER	1	MBCBFLG0	- ALLOCATION
	1		MBCBLCKD	- PREEMPTED
	.111 1111		*	- Reserved
(D)	CHARACTER	1	MBCBFLG1	- CONTENTS
	1		MBCBVALD	- VALID
	.111 1111		*	- Reserved
(E)	CHARACTER	1	MBCBFLG2	- ACTIONS
	1		MBCBPTRQ	- WRITE
	.1		MBCBGTRQ	- READ
	11 1111		*	- Reserved
(F)	CHARACTER	1	MBCBFLG3	- Reserved
(F)	BITSTRING	1	*	- Reserved
(10)	CHARACTER	24	*	I/O BUFFER PARAMETERS

Offset	Туре	Len	Name (Dim)	Description
Hex				
(10)	CHARACTER	12	*	 LOCATION, DEFINED BY
(10)	ADDRESS	4	MBCBABFR	- A(I/O BUFFER)
(14)	FULLWORD	4	MBCBLBFR	- L(I/O BUFFER)
(18)	ADDRESS	4	MBCBACDF	- A(CIDF)
(1C)	CHARACTER	8	*	- CONTENTS, DEFINED BY
(1C)	FULLWORD	4	MBCBCRBA	- RBA(CI)
(20)	ADDRESS	4	MBCBMRCA	- A(MRCA)
(24)	ADDRESS	4	MBCB_DCTE_P	- A(DCTE) or 0
(28)	CHARACTER	8	*	associated control blocks
(28)	ADDRESS	4	MBCB_MQCB_P	- A(MQCB)
(2C)	ADDRESS	4	MBCB_MRCB_P	- A(MRCB) or 0
(30)	CHARACTER	8	MBCB_SRC	MBCB preemption chain
(30)	ADDRESS	4	MBCB_TCA_P	 A(owning TCA) or 0
(34)	ADDRESS	4	MBCB_MWCB_P	- A(first MWCB) or 0
(38)	CHARACTER		*	

MULTIPLE BUFFERS - QUEUE CONTROL BLOCK (MQCB)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	DFHMQCB	
(0)	CHARACTER	8	*	QUEUE SPECIFIC CHAIN
(0)	ADDRESS	4	MQCBFCHN	- A(NEXT MQCB)
(4)	ADDRESS	4	MQCBBCHN	 A(PREVIOUS MQCB)
(8)	CHARACTER	8	*	associated control blocks
(8)	ADDRESS	4	MQCB_MBCB_P	- A(MBCB)
(C)	CHARACTER	4	*	- Reserved
(10)	CHARACTER		*	

MCA Map control area description

```
MODULE NAME = DFHMCAD
DESCRIPTIVE NAME = CICS MAP CONTROL AREA DESCRIPTION
FUNCTION = DESCRIBE MAP CONTROL AREA FOR SETTING UP BMS OUTPUT
       DATA STREAM FOR 3270 OR LU1 SCS PRINTER DEVICE
    This area contains information pertinent to one of the
    maps being used in a page build process for a 3270 or LU1 SCS printer device.
    The Map Control Areas for one page of data are maintained
    on a chain which is anchored in field TTPMMFCP contained
    in the current TTP. The chain is maintained in order
    by the field position of the next field to be processed
    in each map. The last Map Control Area in the chain is
    always a dummy MCA containing only a zero chain address
    and a maximum possible field position. Each MCA contains
    copies of those fields of the map header which are
    required to build the data stream. All the Map Control
    Areas for one page of data are contained in one area of
     storage with the first one being the dummy MCA.
EXTERNAL REFERENCES :
  NONE
TABLES :
  NONE
MACROS:
  NONE
METHOD:
  USED BY DFHM32 AND DFHML1 TO HOLD INFORMATION
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHMCADS	
(0)	CHARACTER	4	MCACBID	MCA SELF IDENTIFICATION. SET TO 'MCAD' WHEN AN MCA IS CREATED
(4)	ADDRESS	4	MCACHAIN	ADDRESS OF NEXT MCA IN CHAIN
(8)	HALFWORD	2		RESERVED
(A)	HALFWORD	2	MCAFPP	PAGE ADDRESS OF CURRENT FIELD (COPY OF BMSFPP)
	11		MCADEL	"*-DFHMCADS" DUMMY MCA LENGTH
(C)	ADDRESS	4	MCAMAP	ADDRESS OF MAP
(10)	ADDRESS	4	MCATIOA	ADDRESS OF TIOA
(14)	ADDRESS	4	MCADEA	ADDRESS OF END OF TIOA

THE FOLLOWING TWO WORDS ARE ACCESSED VIA LM AND STM INSTRUCTIONS

ABOUT A SINGLE MAP AND ITS FIELDS.

Offset Hex	Туре	Len	Name (Dim)	Description
(18)	ADDRESS	4	MCADATA	CURRENT DATA ADDRESS IN TIOA
(1C)	ADDRESS	4	MCAFIELD	CURRENT FIELD ADDRESS IN MAP
(20)	CHARACTER	1	MCAMODE	MAP DESCRIPTOR FLAG BYTE (COPY OF BMSMODE)
(21)	CHARACTER	1	MCAMSTR4	TYPE REQUEST BYTE FOUR FROM TCA (COPY OF BMSMSTR4)
` '	1		MCAMSTDT	"X'80"" DATA CAN BE TAKEN FROM THE TIOA
	.1		MCAMSTDM	"X'40"" DATA CAN BE TAKEN FROM THE MAP
(22)	CHARACTER	1	MCAMI	MAP INDICATORS (COPY OF BMSMI)
(23)	CHARACTER	1	MCAMI2	MAP INDICATORS (COPY OF BMSMI2)
(24)	CHARACTER	1		RESERVED
(25)	CHARACTER	1	MCAFLAG	FLAGS FOR INTERNAL USE
	1		MCAGMF	"X'80" MF (MODIFY FIELD) TO BE GENERATED RATHER THAN SFE(START FIELD EXTENDED)
	.1		MCANOSC	"X'40"" NO SHIFT OUT / SHIFT IN CHARACTERS ALLOWED IN DATA
	1		MCAMHSA	"X'20" MAP CONTAINS SOSI FIELD ATTRIBUTE
(26)	HALFWORD	2	MCAMHLL	OFFSET TO FIRST MAP FIELD
(28)	HALFWORD	2	MCAMAL	NUMBER OF MAT ATTRIBUTES
(2A)	HALFWORD	2	MCADAL	NUMBER OF ADS ATTRIBUTES
(2C)	CHARACTER	12	MCATERMM	MAP/TERMINAL MASK
(31)	CHARACTER	1	MCATERSO	SOSI MASK BYTE
(38)	CHARACTER	12	MCATERMD	DSECT/TERMINAL MASK
(44)	CHARACTER	13	MCAMXAT0 (0)	MAP FIELD ATTRIBUTE WORK AREA
(44)	CHARACTER	1		THIS BYTE MUST BE ZERO
(45)	CHARACTER	12	MCAMXAT	COPY OF MAP FIELD ATTRIBUTES
(51)	CHARACTER	13	MCADXAT0 (0)	ADS FIELD ATTRIBUTE WORK AREA
(51)	CHARACTER	1		THIS BYTE MUST BE ZERO
(52)	CHARACTER	12	MCADXAT	COPY OF ADS FIELD ATTRIBUTES
(5E)	HALFWORD	2		RESERVED
			N, FILLED IN IF THE R OF PAGE POSITION	
(60)	FULLWORD	4	MCANXF	NEXT FIELD TO BE PROCESSED IN EXT
(64)	HALFWORD	2	MCAEXF	NUMBER OF FIELDS IN EXTENSION
(66)	HALFWORD	2	MCAEXL	EXTENSION LENGTH
(68)	HALFWORD	2	MCAEXT (0)	EXTENSION START
, ,	.11. 1		MCAEL	"*-DFHMCADS" MCA ENTRY LENGTH
MCA EX	TENSION: FORMAT	OF FIELD II	NFORMATION	
(68)	HALFWORD	2	MCAPP	FIELD POSITION ON PAGE
(6A)	ADDRESS	4	MCADP	-> FIELD DATA IN TIOA USE ICM
(6E)	ADDRESS	4	MCAMP	-> FIELD DATA IN MAP DSECT USE ICM
` ′				

MCB BMS message control block

```
MODULE NAME = DFHMCBDS
DESCRIPTIVE NAME = CICS BMS MESSAGE CONTROL BLOCK
FUNCTION = DEFINE THE STATE OF A BMS LOGICAL MESSAGE. THIS IS
      USED BY THE TERMINAL PAGE RETRIEVAL PROGRAM DFHTPR.
      THERE IS ONE MCB PER LEVEL OF PAGE CHAINING. THE
      MCBS ARE CHAINED TOGETHER, WITH AN ANCHOR IN THE BMS
      TCTTE EXTENSION. MCBS ARE ALLOCATED AND FREED BY
      DFHTPR. THEY RESIDE IN SHARED STORAGE.
      THE MCB HAS SEVERAL PARTS:-
      A) A COMMON PART CONTAINING INFORMATION SUCH AS THE
        TS QUEUE NAME.
      B) A PART CONTAINING STATUS INFORMATION (E.G. CURRENT
        PAGE NUMBER) FOR THE CURRENT LDC OR PARTITION.
      C) AN ENTRY FOR EACH LDC OR PARTITION CONTAINING DTATUS
        DATA (E.G. CURRENT PAGE NUMBER, TOTAL PAGE COUNT)
FOR THAT LDC OR PARTITION. THIS IS COPIED INTO B)
        WHEN THE LDC OR PARTITION BECOMES CURRENT.
      D) THE PAGE/LDC TABLE WITH ONE ENTRY PER PAGE OF THE
        MESSAGE, INDICATING THE LDC OR PARTITION FOR THIS
        PAGE
     THE MCB IS PARTIALLY BUILT FROM THE MESSAGE CONTROL
     RECORD (MCR) WHEN THIS IS RETRIEVED FROM TS. OTHER
     PARTS ARE MAINTAINED BY DFHTPR.
DEPENDENCIES = S/370
RESTRICTIONS = NONE
REGISTER CONVENTIONS = SEE COMMENTS IN CODE
PATCH LABEL = NOT APPLICABLE
MODULE TYPE = DSECT
MODULE SIZE = NOT APPLICABLE
ATTRIBUTES = NOT APPLICABLE
ENTRY POINT = NOT APPLICABLE
PURPOSE = SEE FUNCTION
LINKAGE = NOT APPLICABLE
INPUT = NOT APPLICABLE
OUTPUT = NOT APPLICABLE
EXIT-NORMAL = NOT APPLICABLE
EXIT-ERROR = NOT APPLICABLE
EXTERNAL REFERENCES = NONE
CONTROL BLOCKS = NOT APPLICABLE
TABLES = NOT APPLICABLE
MACROS = NONE
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHMCB	
(0)	FULLWORD	4	MCBSAA	SHARED STORAGE ACCOUNTING
(4)	FULLWORD	4	MCBCOMN (0)	START MCB COMMON CONTROL AREA
MC	B COMMON CONTR	OL AREA		
(4)	ADDRESS	4	MCBNEXT	POINTER TO CHAINED MCB @
FIE	LDS ABOVE OVERL	AP THE BN	IS TCTTE EXTENSION FOR F	INDING
TH	E MCB CHAIN HEAD	ER		
(8)	CHARACTER	8	MCBCBID	MCB SELF IDENTIFICATION. SET TO 'DFHMCBDS' WHEN MCB CREATED
(10)	ADDRESS	4	MCBCUREP	A(CURENTLY ACTIVE REPEATED)
(14)	ADDRESS	4	MCBCURPG	A(CURRENT PAGING ENTRY)
(18)	ADDRESS	4	MCBPGLDC	POINTER TO PAGE/LDC TABLE
(1C)	ADDRESS	4	MCBAPSET	POINTER TO INCORE APPLICATION PARTITION SET
(20)	CHARACTER	12	MCBMSGID (0)	MESSAGE ID OF LOGICAL MESSAGE
(20)	CHARACTER	8	MCBTSID (0)	TEMPORARY STORAGE KEY
(20)	CHARACTER	2	MCBTSPFX	TEMPORARY STORAGE RECOVERY PREFIX
(22)	ADDRESS	1	MCBTSPKY	BMS IDENTIFIER -X'FD'
(23)	BITSTRING	3	MCBUNQID	MESSAGE ID OF THIS MSG
(26)	CHARACTER	1	MCBTTS	TERMINAL TYPE SUFFIX OF RECEIVING TERMINAL
	BITSTRING	1	MCBTSQUL	TEMP. STORAGE QULAIFICATION
(27)		1	MCBCHN	CHAIN NUMBER OF THIS MESSAGE
(27)	BITSTRING			

1... MCBTITLE "X'80" ...MESSAGE HAS A TITLE .1.. "X'40" ...WTBRK=CURRENT (2741 ONLY) **MCBWBCUR** MCBWBALL "X'20" ...WTBRK=ALL (2741 ONLY) ...1 MCBEODOP "X'10" ...EODPURG=OPER FOR THIS MESSAGE

XXXTITLE - MESSAGE HAS A TITLE XXXWBCUR WTBRK=CURR (2741) XXXWBALL WTBRK=ALL (2741) XXXEODOP EODPURG=OPER WHERE XXX IS ONE OF MCR OR MCB

Offset Hex	Туре	Len	Name (Dim)	Description
	1		MCBOPCHK	"X'08"OPERATOR CHECKING WITH MESSAGE
	1		MCBMCRCK	"X'04"MCR HAS BEEN CHECKED
	1.		MCBCURR	"X'02"THIS IS CURRENT CHAIN LEVEL
	1		MCBACT	"X'01"THIS MCB IS ACTIVE
THESE	FIELDS POSITIONA	LLY DEPE	NDENT ON 'MCBMSGID' 8	k 'MCBLDCL
(2A)	HALFWORD	2	(0)	
(2A)	CHARACTER	18	MCBCLDCI (0)	DESTINATION INFORMATION
(2A)	HALFWORD	2	MCBPAG	PAGE NUMBER CURRENTLY BEING DISPLAYED
(2C) (2E)	CHARACTER BITSTRING	2 1	MCBCLDCM MCBCLDCD	CURRENTLY ACTIVE LDC MNEMONIC CURRENTLY ACTIVE LDC DEVICE CODE
(2E) (2F)	BITSTRING	1	MCBLDCF	CURRENTLY ACTIVE LDC DEVICE CODE CURRENTLY ACTIVE DESTINATION CODE
	R TO 'MCBRLDCF' FO			CONNENTED ACTIVE DECIMATION CODE
				TOTAL NUMBER OF RACES BER RESTRICTION
(30)	HALFWORD	2	MCBPGCNT	TOTAL NUMBER OF PAGES PER DESTINATION
(32)	CHARACTER BITSTRING	8 1	MCBCDSN MCBCDSP	CURRENTLY ACTIVE DESTINATION NAME DATA STREAM PROFILE
(3A) (3C)	HALFWORD	2	MCBCHCNT	NUMBER OF CHAIN LEVELS 01 CONNECTED TO TERMINAL 01 (FIRST MCB ONLY)
(40)	FULLWORD	4	(0)	ALIGNMENT
(40)	CHARACTER	2	MCBCPRTN	NAME OF CURRENT PARTITION
(42)	CHARACTER	1	MCBCPID	PID OF CURRENT PARTITION
(43)	BITSTRING	3	626. 15	RESERVED
(46)	BITSTRING	1	MCBIND02	MCB INDICATOR TWO
(- /	1		MCBAPDUN	"X'80" ALL AUTOMATIC PAGING COMPLETE
	.1		MCBPNDUN	"X'40" PAGING NOT COMPLETE
	1		MCBFSDUN	"X'20" FINAL SCAN COMPLETE
	1		MCBQKPRG	"X'10" MESSAGE ELIGIBLE FOR QUICK PURGE
	1		MCBSCSA	"X'08" USE ALTERNATE SCREENSIZE
	1		MCBTRAN	"X'04" PAGES INCLUDE EXTRA BYTE FOR TRANSPARENT MODE
	1.		MCBRDSPL	"X'02" REDISPLAY CURRENT PAGE IN EACH PARTITION
	1		MCBSCHED	"X'01" AID for this MCB has been rescheduled by DFHACP
(48)	FULLWORD	4	MCBCEND (0)	END COMMON MCB
	.1 1		MCBLEN	"MCBCEND-DFHMCB" LENGTH OF COMMON MCB AREA
MC	B/LDC REPEATED E	NTRY		
	1		MCBDRLDC	"4" DEFAULT REPEATED ENTRY COUNT
THESE	FIELDS POSITIONA	LLY DEPE	NDENT ON 'MCBCLDCI'	
	.1 1		MCBLDCL	"*" LDC REPEATED ENTRY LIST
(48)	HALFWORD	2	MCBRCPAG	CURRENT PAGE NUMBER
(4A)	CHARACTER	2	MCBRLDCM	LDC MNEMONIC
(4C)	BITSTRING	1	MCBRLDCD	LOGICAL DEVICE CODE
(4D)	BITSTRING	1	MCBRLDCF	PAGING STATUS FLAG ONLY
	1		MCBPSTAT	"TCTTEPGP" PAGING STATUS
(45)	.1		MCBTREV	"TCTTEPGR" PAGING STATUS TEMPORARILY REVERSED. LAST 6 BITS RESERVED
(4E)	HALFWORD	2	MCBRTPC	TOTAL PAGE COUNT FOR THIS LDC
(50)	CHARACTER	8	MCBRDSN	DESTINATION NAME
(58) (5A)	CHARACTER HALFWORD	1 2	MCBRDSP (0)	DATA STREAM PROFILE ENSURE ALIGNMENT
(SA)	.1.1 1.1.	2	MCBRLDCE	"*" END REPEATED ENTRY
	11.		MCBRLEN	"MCBRLDCE-MCBLDCL" LDC REPEATED ENTRY LENGTH
(48)	CHARACTER		MCBLDCLL (0)	DEFINE MCB/LDC LIST
	B'S PG/LDC TABLE		.,	
	1		MCBDLDCP	"8" PAGE/LDC TABLE SIZE (NUMBER OF ENTRIES)
DEFINE	SPACE FOR THE PA	AGE/LDC T		,
(90)	CHARACTER	1		
(90)	1.1		MCBEXEND	"*" END OF TABLE
	1.1		MCBEXLEN	"MCBEXEND-DFHMCB" LENGTH OF TABLE

MCR BMS message control record DSECT

```
MODULE NAME = DFHMCRDS
DESCRIPTIVE NAME = CICS BMS MESSAGE CONTROL RECORD DSECT FUNCTION = DEFINE THE BMS MESSAGE CONTROL RECORD (MCR). THE MCR
       DEFINES A BMS LOGICAL MESSAGE ON TEMPORARY STORAGE.
       IT IS OUTPUT BY DFHMCP, AND READ/UPDATED BY DFHTPS,
       DFHTPQ, AND DFHTPR.
       THE MCR TS QUEUE ID IS RELATED TO THE CORRESPONDING
       LOGICAL MESSAGE PAGE TS QUEUE BY A NAMING CONVENTION.
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS = NONE
REGISTER CONVENTIONS = NOT APPLICABLE
PATCH LABEL = NONE
MODULE TYPE = DSECT
MODULE SIZE = NOT APPLICABLE
ATTRIBUTES = DSECT
ENTRY POINT = NOT APPLICABLE
PURPOSE = SEE FUNCTION
LINKAGE = NOT APPLICABLE
INPUT = NOT APPLICABLE
OUTPUT = NOT APPLICABLE
EXIT-NORMAL = NOT APPLICABLE
EXIT-ERROR = NOT APPLICABLE
EXTERNAL REFERENCES = NONE
CONTROL BLOCKS = NOT APPLICABLE
TABLES = NOT APPLICABLE
MACROS = NONE
ALL DISPLACEMENTS ARE COMPUTED FROM 'DFHMCRDS'
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHMCRDS	MCR DUMMY SECTION
(0)	DBL WORD	8	MCRSAAP	STORAGE ACCOUNTING INFORMATION; STORAGE CLASS=USER
	1		MCRSTART	"*" START OF MCR
(8)	FULLWORD	4	MCRLLBB	VARIABLE-LENGTH RECORD INFORMATION (LLBB)
(C)	CHARACTER	8	MCRCBID	MCR SELF IDENTIFICATION. SET TO 'DFHMCRDS' WHEN MCR CREATED
(14)	HALFWORD	2	MCRPGCNT	TOTAL PAGE COUNT
(16)	HALFWORD	2	MCRIDCNT	COUNT OF TERMINALS TO RECEIVE MESSAGE
(18)	HALFWORD	2	MCRLSTRM	DISPLACEMENT TO LAST TERMINAL ENTRY IN THIS RECORD
(1A)	HALFWORD	2	MCRTTLD	DISPLACEMENT TO TITLE PAGE
(1C)	HALFWORD	2	MCRPLTD	DISPLACEMENT TO THE PAGE/LDC TABLE
(1E)	CHARACTER	2	MCRETLDC	ERROR TERMINAL'S LDC MNEMONIC
(20)	CHARACTER	4	MCRERRID	ID OF TERMINAL TO RECEIVE ERROR NOTIFICATION
(24)	CHARACTER	3	MCROPCL	OPERATOR CLASS
(27)	BITSTRING	1	MCRPGCHN	PAGE CHAIN LEVEL
(28)	BITSTRING	1	MCRFLAGS	FLAGS

NOTE -- DSECTS FOR THE MCR AND MCB SHOULD HAVE EQUIVALENT BIT PATTERNS FOR THE FOLLOWING FLAGS --XXXTITLE - MESSAGE HAS A TITLE XXXWBCUR WTBRK=CURR (2741) XXXWBALL WTBRK=ALL (2741) XXXEODOP EODPURG=OPER WHERE XXX IS ONE OF MCR OR MCB

	WHERE XXX IS SIZE OF WORK ON WIGH					
	1		MCRTITLE	"X'80""TITLE RECORD IN THIS MCR		
	.1		MCRWBCUR	"X'40""WTBRK=CURRENT (2741 ONLY)		
	1		MCRWBALL	"X'20""WTBRK=ALL (2741 ONLY)		
	1		MCREODOP	"X'10"EODPURG=OPER		
	1		MCRPAGE	"X'08""MAKE TEMPORARILY PAGING		
	1		MCRAUTOP	"X'04""MAKE TEMPORARILY AUTOPAGE		
	1.		MCRBMSSM	"X'02"BMS - SYSTEM MESSAGE		
	1		MCRRTAIN	"X'01""CTRL=RETAIN		
(29)	BITSTRING	1	MCRSTAT	STATUS FLAG		
` '	1		MCRQKPRG	"X'80" MESSAGE ELIGIBLE FOR QUICK PURGE		
	.1		MCRMLDC	"X'40" MCR CONTAINS MULTIPLE LDC'S		
	1		MCRSCSA	"X'08" USE ALTERNATE SCREENSIZE		
	1		MCRTRAN	"X'04" PAGES CONTAIN EXTRA BYTE FOR TRANSPARENT MODE		
	1. 11		MCRIDLST	"*" START OF TERMINAL LIST TERMINAL ENTRY FOR ONE TERMINAL -		
(2C)	CHARACTER	4	MCRTRMID	TERMINAL IDENTIFICATION		
(30)	CHARACTER	2	MCRLDCMN	LDC MNEMONIC		
(32)	HALFWORD	2	MCRLDCPG	PAGE COUNT PER LDC		
(34)	BITSTRING	1	MCRLDCCD	LDC CODE		
(35)	CHARACTER	3	MCROPID	OPERATOR ID		
(38)	BITSTRING	1	MCRSF	STATUS FLAG		
` ,	1		MCRSFPG	"TCTTEPGP" PAGING STATUS		
	.1		MCRLFAIL	"X'40" LOCATE FAILED - ENTRY IS SKIPPED ONLY IF MCRMLDC IS ON		
(39)	BITSTRING	1	MCRTETYP	TYPE OF TERMINAL ENTRY		
. ,	1		MCRTEREM	"X'80" REMOTE TERMINAL		
(3A)	CHARACTER	8	MCRDSN (0)	DESTINATION NAME IF LOCALLY OWNED TERMINAL		

Offset Hex	Туре	Len	Name (Dim)	Description
(3A)	CHARACTER	4	MCRSYSID	ID OF TERMINAL OWNING SYSTEM (OR FIRST IN CHAIN) IF REMOTELY OWNED TERMINAL
(3E)	CHARACTER	4		RESERVED
(42)	BITSTRING	1	MCRDSP	DATA STREAM PROFILE
(43)	BITSTRING	1		RESERVED
	.11		MCRIDNXT	"*" LOCATION OF NEXT ID ENTRY
	1 1		MCRLNTRY	"MCRIDNXT-MCRIDLST" MCR TERMINAL LIST ENTRY LENGTH

Monitoring dictionary entry **MCTDR**

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)			DICTNTRY	

MACRO NAME = DFHMCTDR
DESCRIPTIVE NAME = CICS/ESA Monitoring Dictionary entry
FUNCTION = Field definitions to map a monitoring dictionary entry.
DEPENDENCIES = S/370 RESTRICTIONS = none ATTRIBUTES = none

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	CHARACTER	8	CMODNAME	NAME OF OWNER
(8)	CHARACTER	1	CMODTYPE	OBJECT-TYPE 'S' = CLOCK 'A' = COUNT 'C' = BYTE-STRING 'T' = TIMESTAMP (STCK FORMAT) 'P' = PACKED-DECIMAL FIELD
(9)	CHARACTER	3	CMODIDNT	NUMERIC ID. WITHIN OBJECT-TYPE
(C)	HALFWORD	2	CMODLENG	LENGTH OF OBJECT
(E)	BITSTRING	2	CMODCONN	ASSIGNED CONNECTOR
(10)	BITSTRING	2	CMODOFST	ASSIGNED OFFSET
(12)	CHARACTER	8	CMODHEAD	INFORMAL NAME
	1 1.1.		CMODNEXT	11+11

MGM MGM format of prototype messages

CONTROL BLOCK NAME = DFHMGM TYPE=DSECT DESCRIPTIVE NAME = CICS MGM Format of Prototype Messages FUNCTION =

The MGT entry describes the message to be issued.

This DSECT maps the MGT entry.
NOTES:

DEPENDENCIES = S/370

RESTRICTIONS = none MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	DITOTONIO		ETMGDSCT	TYPE A NO TOTTE DAGGED A TOTTE DAGGED A IOT TOTTE. OFFIT MOD TOTTE AND	
(0)	BITSTRING	1	ETMGCTYP	TYPE 0 NO TCTTE PASSED 1 TCTTE PASSED 2 IST TCTTE = SENT MSG TCTTE, 2ND TCTTE = TERM IN INSERTS	
		WITH THE	MSG ARE ADDED TO TH	OSE PASSED	
	HE CALLER MALLY NOTHING SHC	ULD BE S	ET		
(1)	ADDRESS	1	ETMGDEST	DESTINATION	
FIELD S	SAME AS MGMGDES	Г			
	1		ETMDTERM	"X'20" DEST TERM	
	1		ETMDRETN	"X'08" DEST RETURN TO CALLER	
	1		ETMDNNUM	"X'04" PRODUCE NO NUMBER	
(2)	1. HALFWORD	•	ETMDTIOA ETMGMGNO	"X'02" OBTAIN A TIOA MSG NO	
(2) (4)	BITSTRING	2 1	ETMGMGNO	I/A/ TYPE ETC	
	FIELD SAME AS MGMOPTN1				
	1		ETHOLION	WYOON LTYPE MEGGAGE	
	.1		ETMGMCDI ETMGMCDA	"X'80" I TYPE MESSAGE "X'40" A TYPE MESSAGE	
	1		ETMGMNLS	"X'20" NLS MESSAGE	
	1		ETMGRESP	"X'10" response required	
	1		ETMG1CID	"X'08" Component id specified	
	1		ETMGMCNX	"X'04" ERRATT=NEXT	
	1.		ETMGMCNL	"X'02" ERRATT=LASTLINE	
	1		ETMGMCNE	"X'01" ERRATT=NO	
(5)	ADDRESS	1	ETMGINS2	INSERT INFO - MGMOPTN2	
FIELD	SAME AS MGMOPTN	2			
	1		ETMDDUMP	"X'10"" DUMP ON THIS MESSAGE	
(6)	ADDRESS	1	ETMGPTN3	SWITCHES - MGMOPTN3	
FIELD	SAME AS MGMOPTN	3			
	1		ETMG3PID	"X'80" Product id specified	
(7)	BITSTRING	1	ETMOFFV	OFFS OF MSG IN STG AREA	
(8)	ADDRESS	1	ETMGDESX	DESTINATION EXTENTION BYTE	
(9)	CHARACTER	2	ETMGCOMP	Component id	
(B)	CHARACTER	3	ETMGPROD	Product id	
(E)	HALFWORD	2	ETMGTLEN	TOTAL L OF MSG TEXTS.	
(10)	CHARACTER	1	ETMGTSRT (0)	START OF TEXT	
	1		TEXTOFF	"*-ETMGDSCT" MSG TXT OFFSET	

THIS DSECT DESCRIBES PARTIAL MESSAGES IN PROTOTYPE MSGS

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			ETMGTEXT	MSG TEXT.
(0)	HALFWORD	2	ETMGTYPL (0)	TYPE/LENGTH OF MSG TEXT
(0)	CHARACTER	1	ETMGTYPE	TYPE OF MSG TEXT.
(1)	CHARACTER	1	ETMGLEN	LENGTH OF MSG TEXT.
(2)	CHARACTER	1	ETMGMGDA	ACTUAL MSG

THIS DSECT DESCRIBES THE INPUT PLIST

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			MGMAMAP	*** MAP THE FW ADCONS IN DFHINS ***
(0)	ADDRESS	4	MGMAMSG	A(MGMMDEST)

Offset Hex	Туре	Len	Name (Dim)	Description
(4)	ADDRESS	4	MGMAPARM	A(INSERT/MSG TABLE)
	1		MGMAMLST	"X'80" LAST FLAG

THIS DSECT DESCRIBES THE FIRST PARAMETER, WHICH IS ALWAYS PRESENT

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			MGMMDEST	*** MESSAGE NO AND DESTINATION CODE ***
(0)	BITSTRING	1	MGMGTYPE	TYPE OF MESSAGE
. ,	1		MGMGTCTE	"X'01" MGMAPARM = A(TCTTE)
(1)	CHARACTER	1	MGMGDEST	DESTINATION/ACTION.
()	1		MGMDTERM	"X'20" DEST TERM
	1		MGMDRETN	"X'08" DEST RETURN TO CALLER
	1		MGMDNNUM	"X'04" NO MSG NO. TO BE PRODUCED
	1.		MGMDTIOA	"X'02" OBTAIN A TIOA
(2)	ADDRESS	2	MGMGNO	MSG NO
(4)	BITSTRING	1	MGMOPTN1	TYPE /I/A RESERVED
. ,	1		MGMD1CDI	"X'80"" I TYPE MESSAGE
	.1		MGMD1CDA	"X'40" A TYPE MESSAGE
	1		MGMD1NLS	"X'20" NLS MESSAGE
	1		MGMDRESP	"X'10" MGP Response code required
	1		MGMD1CID	"X'08" COMP ID PRESENT
	1		MGMD1CNX	"X'04" ERRATT=NEXT
	1.		MGMD1CNL	"X'02" ERRATT=LASTLINE
	1		MGMD1CNE	"X'01" ERRATT=NO
(5)	BITSTRING	1	MGMOPTN2	OPTION TWO
. ,	1		MGMTERAS	"X'80" ERASE REQUIRED *
	.1		MGMTFMHP	"X'40" FMH PRESENT
	1		MGMTCONV	"X'20" CONVERSE REQUIRED
	1		MGMDDUMP	"X'10" DUMP REQUIRED
	1		MGMDOFFS	"X'08" PUT MESSAGE AT AN OFFSET (GIVEN BY VALUE OF MGMOFFV) WITHIN
				STORAGE AREA *
	1		MGMTUNLK	"X'04" UNLOCK OPTION REQUIRED
	1.		MGMTLAST	"X'02" LAST OPTION REQUIRED
	1		MGMTWAIT	"X'01" WAIT OPTION REQUIRED *
(6)	BITSTRING	1	MGMOPTN3	OPTION THREE
	1		MGMO3PID	"X'80" PRODUCT ID SPECIFIED
(7)	BITSTRING	1	MGMOFFV	VALUE OF OFFSET WITHIN STG AREA FOR START OF MSG
(8)	CHARACTER	1	MGMGDESX	DESTINATION EXTENTION BYTE
(9)	BITSTRING	1	MGMRESP	MGP Response code
(A)	CHARACTER	2	MGMGCOMP	COMPONENT ID
(C)	CHARACTER	3	MGMGPROD	PRODUCT ID
, ,	1111		MGMMDLN	"*-MGMMDEST" LENGTH OF MGMMDEST PARM
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			MGINSERT	*** LENGTH AND 'TEXT' OF INSERT ***
(0)	ADDRESS	2	MGINSRL	LENGTH OF INSERT IF ANY
(2)	CHARACTER	1	MGINSRD	INSERT IF ANY
. ,				

Monitoring domain user EMP structure **MNEMP**

```
CONTROL BLOCK NAME = DFHMNEMP
DESCRIPTIVE NAME = CICS Monitoring Domain User EMP structure
   definitions for EMP Qualifiers, EMP chaining, and EMP
   options.
FUNCTION =
   This copy book contain the structure definitions used by
   the Monitoring Domain for User EMPs defined in the
   Monitoring Control Table (if any). It contains the following structures...
    a) User EMP address list defined in an MCT.
    b) User EMP Qualifier and EMP chaining.
     c) User EMP Option definitions.
The MN Domain User Event Monitoring Point (EMP)
 The User Event Monitoring Point contains:
       The address of the next EMP with the same id
       The address of the EMP qualifier
       A sequence of EMP options
INNER CONTROL BLOCKS = None
DEPENDENCIES = S/370
RESTRICTIONS = None
MODULE TYPE = Structure definition
EXTERNAL REFERENCES = None
 DATA AREAS = None
 CONTROL BLOCKS = None
 GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	DFHMNEMP	
(0)	ADDRESS	4	MNEMP_NEXT_ EMP_FOR_ID	
(4)	ADDRESS	4	MNEMP_QUALIFIER_ PTR	

EMP Options

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	DFHMNOPT	
(0)	UNSIGNED	2	MNEMP_OPTION_ TYPE	
(2)	UNSIGNED	2	MNEMP_OPTION_ SOURCE	
(4)	ADDRESS	4	MNEMP_OPTION_ OFFSET	
(8)	UNSIGNED	4	MNEMP_OPTION_	
			CNSTANT	
				_

Constants

Len	Type	Value	Name	Description
2	DECIMAL	1	MNEMP_SCLOCK	
2	DECIMAL	2	MNEMP_PCLOCK	
2	DECIMAL	3	MNEMP_SCPUCLK	
2	DECIMAL	4	MNEMP_PCPUCLK	
2	DECIMAL	5	MNEMP_ADDCNT	
2	DECIMAL	6	MNEMP_SUBCNT	
2	DECIMAL	7	MNEMP_NACNT	
2	DECIMAL	8	MNEMP_ORCNT	
2	DECIMAL	9	MNEMP_EXCNT	
2	DECIMAL	10	MNEMP_MLTCNT	
2	DECIMAL	11	MNEMP_MOVE	
2	DECIMAL	12	MNEMP_DELIVER	
2	DECIMAL	65535	MNEMP_END	
2	DECIMAL	1	MNEMP_CONSTANT	
2	DECIMAL	2	MNEMP_DATA1	
2	DECIMAL	3	MNEMP_DATA2	

MNEXC Monitoring exception record

```
MACRO NAME = DFHMNEXC
DESCRIPTIVE NAME = CICS Monitoring Exception Record
FUNCTION =
    To generate the dsect for the Monitoring Exception Record
 DEPENDENCIES = S/370
 RESTRICTIONS = None
 REGISTER CONVENTIONS = None
 MODULE TYPE = Object definition macro
 ATTRIBUTES = N/A
PURPOSE = To generate the dsect for the Monitoring Exception
  SYNTAX = <name> DFHMNEXC <PREFIX=xxx>
  INPUTS = None
  OUTPUTS = Definition of the Monitoring Exception Record. RETURN CODES = None
  PROGRAMMING NOTES = None
MACRO MESSAGES =
    DFHMNEXC - INVALID OVERRIDING PREFIX
EXTERNAL REFERENCES =
 MACROS (Macro pass) = None
ROUTINES (Generated code) = None
DATA AREAS (Generated code) = None
  CONTROL BLOCKS (Generated code) = None
  GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			MNEXCDS	
(0)	CHARACTER	4	EXCMNTRN	TRANSACTION IDENTIFICATION
(4)	BITSTRING	4	EXCMNTER	TERMINAL IDENTIFICATION
(8)	CHARACTER	8	EXCMNUSR	USER IDENTIFICATION
(10)	CHARACTER	4	EXCMNTST	TRANSACTION START TYPE
(14)	BITSTRING	8	EXCMNSTA	EXCEPTION START TIME
(1C)	BITSTRING	8	EXCMNSTO	EXCEPTION STOP TIME
(24)		4	EXCMNTNO	TRANSACTION NUMBER
(28)	BITSTRING	4	EXCMNTPR	TRANSACTION PRIORITY
(2C)	CHARACTER	4		RESERVED
(30)	CHARACTER	8	EXCMNLUN	LUNAME
(38)	CHARACTER	4		RESERVED
(3C)	BITSTRING	4	EXCMNEXN	EXCEPTION NUMBER
(40)	CHARACTER	8	EXCMNRTY	EXCEPTION RESOURCE TYPE
(48)	CHARACTER	8	EXCMNRID	EXCEPTION RESOURCE ID
(50)	BITSTRING	2	EXCMNTYP	EXCEPTION TYPE
	1		EXCMNWT	"X'0001" WAIT
	1.		EXCMNBWT	"X'0002'" BUFFER WAIT
	11		EXCMNSWT	"X'0003" STRING WAIT
(52)	CHARACTER	2		RESERVED
(54)	CHARACTER	8	EXCMNTCN	TRANSACTION CLASS NAME
(5C)	CHARACTER	8	EXCMNSRV	SERVICE CLASS NAME
(64)	CHARACTER	8	EXCMNRPT	REPORT CLASS NAME
(6C)	CHARACTER	20	EXCMNNPX	NETWORK UNIT-OF-WORK PREFIX
(80)	BITSTRING	8	EXCMNNSX	NETWORK UNIT-OF-WORK SUFFIX
(88)	BITSTRING	8	EXCMNTRF	TRANSACTION FLAGS
(90)	CHARACTER	4	EXCMNFCN	TRANSACTION FACILITY NAME
(94)	CHARACTER	8	EXCMNCPN	CURRENT PROGRAM NAME
(9C)	CHARACTER	4	EXCMNBTR	BRIDGE TRANSACTION ID
(A0)	BITSTRING	16	EXCMNURI	RRMS/MVS UNIT OF RECOVERY ID
(B0)	FULLWORD	4	EXCMNRIL	EXCEPTION RESOURCE ID LENGTH
(B4)	BITSTRING	256	EXCMNRIX	EXCEPTION RESOURCE ID (EXTENDED)
EN	D OF EXCEPTION R	ECORD		

MNG Monitoring domain statistics

```
CONTROL BLOCK NAME = DFHMNGDS
DESCRIPTIVE NAME = CICS Monitoring domain statistics
FUNCTION =
    This data area contains global statistics provided by the
    Monitoring Domain
    It is provided for use in users monitoring applications to
    map the statistics written to SMF by the statistics domain.
    There is a single instance of this data block.
LIFETIME =
    This data block is created when the Monitoring Domain is
    initialised and remains until the domain is shut down.
    User is passed a pointer to the head of the storage block.
INNER CONTROL BLOCKS = None
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS =
  MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = none
```

GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHMNGDS	Monitoring Domain Stats
(0)	FULLWORD	4	(0)	Reserved
(0)	HALFWORD	2	MNGLEN	Length of data
	.1.11		MNGIDE	"81" Monitoring domain id mask
(2)	ADDRESS	2	MNGID	Monitoring domain id
	1		MNGVERS	"X'01" DSECT version mask
(4)	CHARACTER	1	MNGDVERS	DSECT version number
(5)	CHARACTER	3		Reserved
(8)	FULLWORD	4	MNGER	No. Exception records
(C)	FULLWORD	4	MNGERS	No. Exception records supp. by exit
(10)	FULLWORD	4	MNGPR	No. Performance records
(14)	FULLWORD	4	MNGPRS	No. Performance records supp. by exit
(18)	FULLWORD	4	MNGSMFR	No. SMF records
(1C)	FULLWORD	4	MNGSMFE	No. SMF Errors
(20)	FULLWORD	4	MNGSYSER	No. Sysevent records
(24)	FULLWORD	4	MNGSYSEE	No. Sysevent errors
	1. 1		MNGEND	***
	1. 1		MNGCLEN	"*-MNGLEN" Length

MNSMF SMF header and SMF product section

```
MACRO NAME = DFHMNSMF
DESCRIPTIVE NAME = CICS SMF Header and SMF Product Section
               for Monitoring
FUNCTION =
   TO GENERATE THE SMF HEADER AND SMF PRODUCT SECTION DSECT
   FOR THE MONITORING SMF RECORDS.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS = None
 REGISTER CONVENTIONS = None
 MODULE TYPE = DSECT DEFINITION MACRO
 ATTRIBUTES = N/A
PURPOSE = GENERATE THE DSECT FOR THE MONITORING RECORD SMF HEADER
   AND SMF PRODUCT SECTION.
 SYNTAX = <name> DFHMNSMF <TYPE=xxx>
 INPUTS = NONE
 OUTPUTS = DEFINITION FOR SMF HEADER AND SMF PRODUCT SECTION
 RETURN CODES = NONE
 PROGRAMMING NOTES = NONE
OPERAND = TYPE=xxx
 FUNCTION = To provide an overiding field name prefix. DEFAULT = None
 RESTRICTIONS = None
 NOTES = None
 EXAMPLES
   TYPE=ABC
MACRO MESSAGES =
   DFHMNSMF - INVALID OVERRIDING PREFIX
MACRO EXAMPLES =
GENERATED CODE = NONE
EXTERNAL REFERENCES = NONE
 MACROS (MACRO PASS) = NONE
 ROUTINES (GENERATED CODE) = NONE
 DATA AREAS (GENERATED CODE) = NONE
 CONTROL BLOCKS (GENERATED CODE) = NONE
 GLOBAL VARIABLES (MACRO PASS) = NONE
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			MNSMFDS	
(0)	BITSTRING	2	SMFMNLEN	RECORD LENGTH
(2)	BITSTRING	2	SMFMNSEG	SEGMENT DESCRIPTOR
(4)	BITSTRING	1	SMFMNFLG	OPERATING SYSTEM INDICATOR
	11		SMFMNESA	"X'C0"" SMF SYSTEM INDICATOR
(5)	BITSTRING	1	SMFMNRTY	RECORD TYPE 110 FOR CICS
(6)	BITSTRING	4	SMFMNTME	TIME RECORD MOVED
(A)	BITSTRING	4	SMFMNDTE	DATE RECORD MOVED
(E)	BITSTRING	4	SMFMNSID	SYSTEM IDENTIFICATION
(12)	CHARACTER	4	SMFMNSSI	SUB-SYSTEM IDENTIFICATION
(16)	BITSTRING	2	SMFMNSTY	RECORD SUBTYPE - X'0000' FOR JOURNALING - X'0001' FOR MONITORING - X'0002' FOR STATISTICS
(18)	BITSTRING	2	SMFMNTRN	NUMBER OF TRIPLETS IN RECORD
(1A)	BITSTRING	2		RESERVED
(1C)	BITSTRING	4	SMFMNAPS	OFFSET TO CICS PRODUCT SECTION
(20)	BITSTRING	2	SMFMNLPS	LENGTH OF CICS PRODUCT SECTION
(22)	BITSTRING	2	SMFMNNPS	NUMBER OF CICS PRODUCT SECTIONS
(24)	BITSTRING	4	SMFMNASS	OFFSET TO CICS DATA SECTION
(28)	BITSTRING	2	SMFMNASL	LENGTH OF CICS DATA SECTION
(2A)	BITSTRING	2	SMFMNASN	NUMBER OF CICS DATA SECTIONS
	D OF SMF-HEADER		T.O.	
	START OF SMF PRO	DDUCT-SEC	TION	
(2C)	BITSTRING	2	SMFMNRVN	RECORD VERSION, FORMAT X'0VRM' $V = VERSION R = RELEASE M = MODIFICATION$
(2E)	CHARACTER	8	SMFMNPRN	PRODUCT NAME (APPLID)
(36)	CHARACTER	8	SMFMNSPN	SPECIFIC APPLID
(3E)	BITSTRING	2	SMFMNMFL	RECORD MAINTENANCE INDICATOR
(40)	BITSTRING	2		RESERVED
(42)	BITSTRING	2	SMFMNCL	CLASS OF DATA
(44)	BITSTRING	4	SMFMNDCA	OFFSET TO CICS FIELD CONNECTORS
(48)	BITSTRING	2	SMFMNDCL	LENGTH OF EACH CICS FIELD CONNECTOR
(4A)	BITSTRING	2	SMFMNDCN	NUMBER OF CICS FIELD CONNECTORS
(4C)	BITSTRING	4	SMFMNDRA	OFFSET TO FIRST CICS DATA RECORD
(50)	BITSTRING	2	SMFMNDRL	LENGTH OF EACH CICS DATA RECORD
(52)	BITSTRING	2	SMFMNDRN	NUMBER OF CICS DATA RECORDS
(54)	BITSTRING	20		Reserved
(68)	BITSTRING	4	SMFMNTAD	Local TOD clock adjustment value
(6C)	BITSTRING	8	SMFMNLSO	Leap Second Offset TOD format
(74)	BITSTRING	8	SMFMNDTO	Local Time/Date Offset
(7C)	BITSTRING	2		RESERVED

Offset	Туре	Len	Name (Dim)	Description
Hex				
(7E)	CHARACTER	8	SMFMNJBN	JOBNAME
(86)	BITSTRING	4	SMFMNRSD	JOB DATE
(8A)	BITSTRING	4	SMFMNRST	JOB TIME
(8E)	CHARACTER	8	SMFMNUIF	USER IDENTIFICATION
(96)	CHARACTER	8	SMFMNPDN	OPERATING SYSTEM PRODUCT LEVEL

^{...} END OF SMF PRODUCT-SECTION.

Transaction monitoring data **MNT**

```
CONTROL BLOCK NAME = DFHMNTDS
DESCRIPTIVE NAME = CICS Transaction Monitoring data
              copybook
FUNCTION = This copybook describes a transaction monitoring
data record. The record is built by the monitoring domain.
There is one record for each transaction.
LIFETIME = The storage for a record is obtained when a request is made for transaction monitoring data. It is
released when the request has been satisfied.
LOCATION = The caller is passed a pointer to the head of
INNER CONTROL BLOCKS = None
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
   DATA AREAS = None
   CONTROL BLOCKS = In monitoring domain GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHMNTDS	,
(0)	FULLWORD	4	(0)	Fullword allignment
(0)	HALFWORD	2	MNTLEN	Length of data
` ,	.1.11.		MNTIDE	"82" Monitoring domain id mask
(2)	ADDRESS	2	MNTID	Monitoring domain id
()			MNTVERS	"X'01" DSECT version mask
(4)	CHARACTER	1	MNTDVERS	DSECT version number
(5)	CHARACTER	3		Reserved
(8)	HALFWORD	2	TMRBEGIN (0)	
(8)	CHARACTER	4	TMRTRID	TRAN - Transaction identification
(C)	CHARACTER	4	TMRTEID	TERM - Terminal identification
(10)	CHARACTER	8	TMRUSID	USERID - User identification
(18)	CHARACTER	4	TMRTRTY	TTYPE - Transaction type
(1C)	CHARACTER	8	TMRATTT	START - Task start time
(24)	CHARACTER	8	TMRDETT	STOP - Task stop time
(2C)	CHARACTER	4	TMRTRSN	TRANNUM - Transaction sequence number
(30)	BITSTRING	4	TMRTPRI	TRANPRI - Transaction priority
(34)	CHARACTER	8	TMRTCLSN	TCLSNAME - Transaction class name
(3C)	CHARACTER	8	TMRLUNM	LUNAME - VTAM logical unit name
(44)	CHARACTER	8	TMRPGNM	PGMNAME - First program name Originating Network Unit-of-Work Id
(4C)	CHARACTER	20	TMRNETPX	NETUOWPX - Network Unit-of-Work Netname
. ,	BITSTRING	8	TMRNETSX	NETUOWSX - Network Unit-of-Work Instance/Segno
(60)		4	TMRRSYS	•
(68)	CHARACTER	4		RSYSID - Remote sysid routed to PERRECNT - Performance record count
(6C)	BITSTRING	8	TMRPRCNT	RMUOWID - Recovery Manager Unit-of-Work id
(70)	CHARACTER	8	TMRRMUOW	
(78)	CHARACTER	8	TMRSRVCL	SRVCLSNM - Workload Manager service class name
(80)	CHARACTER	4	TMRRPTCL	RPTCLSNM - Workload Manager report class name
(88)	CHARACTER		TMRFCTY	FCTYNAME - Transaction Facility name
(8C)	BITSTRING	8	TMRTRFLG (0)	TRANFLAG - Transaction flags
(8C)	BITSTRING	1	TMRTRFL1	Transaction Flag 1
	1		TMRTRFL1_NONE	"X'80" None
	.1		TMRTRFL1_TERM	"X'40" Terminal Facility
	1		TMRTRFL1_SURR	"X'20" Surrogate Terminal Facility
	1		TMRTRFL1_DEST	"X'10" Destination Facility
(·	1		TMRTRFL1_BRDG	"X'08" Bridge Facility EQU X'04' Reserved EQU X'02' Reserved EQU X'01' Reserved
(8D)	BITSTRING	1	TMRTRFL2	Transaction Flag 2
	1		TMRTRFL2_SYSTEM	"X'80" System Transaction
	.1		TMRTRFL2_MIRROR	"X'40" Mirror Transaction
	1		TMRTRFL2_DPL	"X'20" Mirror Transaction - DPL
	1		TMRTRFL2_ONC_RPC	"X'10" Alias Transaction - ONC/RPC
	1		TMRTRFL2_WEB	"X'08" Alias Transaction - WEB
	1		TMRTRFL2_BRIDGE	"X'04'" Bridge Transaction EQU X'02' Reserved
	1		TMRTFFL2_ RUN_TRAN	"X'01" BTS Run Transaction
(8E)	BITSTRING	1	TMRTRFL3	Transaction Flag 3

Offset Hex	Туре	Len	Name (Dim)	Description
	1 .1		TMRTRFL3_RPT TMRTRFL3_ NTFY_COMP	"X'80"" WLM Report "X'40"" WLM Notify - Completion
(8F)	1 BITSTRING	1	TMRTRFL3_NTFY TMRTRFL4	"X'20" WLM Notify Transaction Flag 4
(OF)	1	'	TMRTRFL4_LOC_BELOW	"X'80" Taskdataloc=below
	.1		TMRTRFL4_ CICS_KEY	"X'40" Taskdatakey=cics
	1		TMRTRFL4_ ISOLATE_NO	"X'20" Isolate=no
	1		TMRTRFL4_DYNAMIC	"X10" Dynamic=yes EQU X'08' Reserved EQU X'04' Reserved EQU X'02' Reserved EQU X'01' Reserved
(90)	BITSTRING	1	TMRTRFL5	Transaction Flag 5 Transaction origin type
(91) (92)	BITSTRING BITSTRING	1 1	TMRTRFL6 TMRTRFL7	Transaction Flag 6 - Reserved Transaction Flag 7 - Reserved
(93)	BITSTRING	1	TMRTRFL8	Transaction Flag 8
	1		TMRTRFL8_WAIT_NO TMRTRFL8_COMMIT	"X'80" Indoubt wait = no "X'40" Indoubt action = commit
	1		TMRTRFL8_ INDOUBT_ACT	"X'20" UOW Indoubt action
	1		TMRTRFL8_ UOW_SHUNT	"X'10" UOW Shunt
	1		TMRTRFL8_	
			UOW_UNSHUNT	"X'08'" UOW Unshunt
	1		TMRTRFL8_ INDBT_FAIL	
	1.		TMRTRFL8_ RO_FAILURE	"X'04" Indoubt failure
(94)	BITSTRING	4	TMRTEINF (0)	"X'02" Resource Owner failure EQU X'01' Reserved TERMINFO - Terminal Information
(94)	BITSTRING	1	TMRNATUR	Nature
			TMRNATUR_ NOTAPPLIC	"X'00" Not applic
	1		TMRNATUR_ TERMINAL TMRNATUR SESSION	"X'01" Terminal "X'02" Session
(95)	BITSTRING	1	TMRSESST	Session Type
	1		TMRSESST_ NOTAPPLIC TMRSESST_IRC	"X'00" Not applic "X'01" IRC
	1.		TMRSESST_IRC_XM	"X'02" IRC XM
	11		TMRSESST_IRC_XCF	"X'03" IRC XCF
	1		TMRSESST_LU61 TMRSESST_ LU62_SING	"X'04" LU61 "X'05" LU62 SINGLE
	11.		TMRSESST_ LU62_PARA	"X'06" LU62 PARALLEL
(96)	BITSTRING	1	TMRACMTH TMRACMTH_ NOTAPPLIC	Access method "X'00" Not applic
	1		TMRACMTH_VTAM	"X'01" VTAM
	1. 11		TMRACMTH_BTAM	"X'02" BTAM
	1		TMRACMTH_BSAM TMRACMTH_TCAM	"X'03" BSAM "X'04" TCAM
	1.1		TMRACMTH_TCAMSNA	"X'05"" TCAMSNA
	11.		TMRACMTH_BGAM TMRACMTH_CONSOLE	"X'06" BGAM "X'07" CONSOLE
(97)	BITSTRING	1	TMRDVTCD	Device type code See TYPETERM RDO attribute
(98) (9C)	CHARACTER CHARACTER	4 4	TMRTECNM TMRBTRID	TERMCONM - Terminal Connection name BRDGTRAN - Bridge Transaction id
(A0)	CHARACTER	16	TMRURID	RRMSURID - RRMS/MVS Unit of Recovery id
(B0)	CHARACTER	36	TMRPNAME	PRCSNAME - Process name
(D4) (DC)	CHARACTER CHARACTER	8 52	TMRPTYPE TMRPRCID	PRCSTYPE - Process type PRCSID - Process id
(110)	CHARACTER	52	TMRACTID	ACTVTYID - Activity id
(144) (154)	CHARACTER CHARACTER	16 16	TMRACTNM TMRCIPAD	ACTVTYNM - Activity name CLIPADDR - Client IP Address
(164)	BITSTRING	28	TMRTGPID	TRNGRPID - TRANSACTION GROUP ID
(180)	BITSTRING	4	TMRERROR	TASKFLAG - Transaction error flags ABCODEO - Original Transaction abend codes
(184) (188)	CHARACTER CHARACTER	4 4	TMRABCDO TMRABCDC	ABCODEC - Cirginal Transaction abend codes ABCODEC - Current Transaction abend code
(18C)	CHARACTER	4	TMRTYPE	RTYPE - Record type
	1111 111		TMRRTYPE_ CONVERSE TMRRTYPE_DELIVER	"C'C" Converse "C'D" Deliver
	1111.		TMRRTYPE_ FREQUENCY	"C'F'" Frequency
	1111. 11111		TMRRTYPE_ SYNCPOINT TMRRTYPE_ TERMINATE	"C'S" Syncpoint "C'T" Terminate
(190)	BITSTRING	4	TMRPINMC	TCMSGIN1 - Primary TC messages - in
(194)	BITSTRING	4	TMRTCI1C	TCCHRIN1 - Primary TC characters - in
(198) (19C)	BITSTRING BITSTRING	4 4	TMRPOUMC TMRTCO1C	TCMSGOU1 - Primary TC messages - out TCCHROU1 - Primary TC characters - out
(1A0)	BITSTRING	4	TMRSINMC	TCMSGIN2 - Secondary TC messages - in
(1A4) (1A8)	BITSTRING BITSTRING	4 4	TMRTCI2C TMRSOUMC	TCCHRIN2 - Secondary TC characters - in TCMSGOU2 - Secondary TC messages - out
(1A6) (1AC)	BITSTRING	4	TMRTCO2C	TCHROU2 - Secondary TC messages - out TCHROU2 - Secondary TC characters - out
(1B0)	BITSTRING	4	TMR62IMC	TCM62IN2 - Secondary TC msgs for LU6.2 in
(1B4) (1B8)	BITSTRING BITSTRING	4 4	TMR62ICH TMR62OMC	TCC62IN2 - Secondary TC chars for LU6.2 in TCM62OU2 - Secondary TC msgs for LU6.2 out
(1BC)	BITSTRING	4	TMR62OCH	TCC62OU2 - Secondary TC chars for LU6.2 out
(1C0) (1C4)	BITSTRING	4 4	TMRTAC TMRSCUGB	TCALLOCT - No. TCTTE allocate requests SCUGETCT - No. user storage getmains below line
(1C4) (1C8)	BITSTRING BITSTRING	4	TMRSCUGB	No. user storage getmains below line No. user storage getmains above line
(1CC)	BITSTRING	4	TMRSCCGB	SCCGETCT - No. CDSA storage getmains below line
(1D0) (1D4)	BITSTRING BITSTRING	4 4	TMRSCCGA TMRUSHWB	No. ECDSA storage getmains above line SCUSRHWM - User task storage hwm below line
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Offset Hex	Туре	Len	Name (Dim)	Description
(1D8)	BITSTRING	4	TMRUSHWA	- User task storage hwm above line
(1DC)	BITSTRING	4	TMRCHWMB	SC24CHWM - CDSA storage hwm below the line
(1E0)	BITSTRING	4	TMRCHWMA	SC31CHWM - ECDSA storage hwm above the line
(1E4)	BITSTRING	8	TMRUTSOB	SCUSRSTG - User task stge "occupancy" below line
(1EC)	BITSTRING	8	TMRUTSOA	- User task stge "occupancy" above line
(1F4)	BITSTRING	8	TMRCOCCB	SC24COCC - CDSA storage "occupancy" below line
(1FC)	BITSTRING	8	TMRCOCCA	SC31COCC - ECDSA storage "occupancy" above line
(204)	BITSTRING	4	TMRSC24S	SC24SGCT - Shared stg getmain count below 16M
(208)	BITSTRING	4	TMRSC24G	SC24GSHR - Shared stg bytes getmain'd
(20C)	BITSTRING	4 4	TMRSC24F	SC24FSHR - Shared stg bytes freemain'd
(210) (214)	BITSTRING	4	TMRSC31S TMRSC31G	SC31SGCT - Shared stg getmain count above 16M SC31GSHR - Shared stg bytes getmain'd
(214)	BITSTRING BITSTRING	4	TMRSC31F	SC31FSHR - Shared stg bytes getmain'd
(21C)	BITSTRING	4	TMRPCUSE	PCSTGHWM - Program storage hwm
(220)	BITSTRING	4	TMRPC31A	PC31AHWM - Prog storage hwm above the line
(224)	BITSTRING	4	TMRPCUSB	PC24BHWM - Prog storage hwm below the line
(228)	BITSTRING	4	TMRPCCAH	PC31CHWM - ECDSA prog storage hwm above
(22C)	BITSTRING	4	TMRPCCBH	PC24CHWM - CDSA prog storage hwm below
(230)	BITSTRING	4	TMRPCRAH	PC31RHWM - R/O prog storage hwm above
(234)	BITSTRING	4	TMRPCRBH	PC24RHWM - R/O prog storage hwm below
(238)	BITSTRING	4	TMRPCSAH	PC31SHWM - Shared prog storage hwm above
(23C)	BITSTRING	4	TMRPCSBH	PC24SHWM - Shared prog storage hwm below
(240)	BITSTRING	4	TMRFCGC	FCGETCT - No. file gets
(244)	BITSTRING	4	TMRFCPC	FCPUTCT - No. file puts
(248)	BITSTRING	4	TMRFCBC	FCBRWCT - No. file browses
(24C)	BITSTRING	4	TMRFCAC	FCADDCT - No. file adds
(250)	BITSTRING	4	TMRFCDC	FCDELCT - No. file deletes
(254)	BITSTRING	4	TMRFCTC	FCTOTCT - Total FC requests
(258)	BITSTRING	4	TMRFCAMC	FCAMCT - No. access method requests
(25C)	BITSTRING	4	TMRTDGC	TDGETCT - No. transient data gets
(260)	BITSTRING	4	TMRTDPC	TDPUTCT - No. transient data puts
(264)	BITSTRING	4	TMRTDRC	TDPURCT - No. transient data purges
(268)	BITSTRING	4	TMRTDTC	TDTOTCT - Total TD requests
(26C)	BITSTRING	4	TMRTSGC	TSGETCT - No. temp storage gets
(270)	BITSTRING	4 4	TMRTSPAC	TSPUTACT - No. temp storage puts - aux
(274) (278)	BITSTRING BITSTRING	4	TMRTSPMC TMRTSTC	TSPUTMCT - No. temp storage puts - main TSTOTCT - Total TS requests
. ,	BITSTRING	4	TMRBMMC	BMSMAPCT - No. BMS map requests
(27C) (280)	BITSTRING	4	TMRBMIC	BMSINCT - No. BMS in requests
(284)	BITSTRING	4	TMRBMOC	BMSOUTCT - No. BMS out requests
(288)	BITSTRING	4	TMRBMTC	BMSTOTCT - Total BMS requests
(28C)	BITSTRING	4	TMRPCLIC	PCLINKCT - No. program links
(290)	BITSTRING	4	TMRPCXC	PCXCTLCT - No. program xctls
(294)	BITSTRING	4	TMRPCLOC	PCLOADCT - No. program loads
(298)	BITSTRING	4	TMRPCLUC	PCLURMCT - No. program links to URMs
(29C)	BITSTRING	4	TMRPCDPL	PCDPLCT - No. DPL program links
(2A0)	BITSTRING	4	TMRJNLCT	JNLWRTCT - No. journal write requests
(2A4)	BITSTRING	4	TMRLGWCT	LOGWRTCT - No. CICS logger write requests
(2A8)	BITSTRING	4	TMRICC	ICPUINCT - No. interval control starts
(2AC)	BITSTRING	4	TMRICTC	ICTOTCT - Total interval control requests
(2B0)	BITSTRING	4	TMRSPPC	SPSYNCCT - No. syncpoint requests
(2B4)	BITSTRING	4	TMRCFACT	CFCAPICT - No. OO Class Library API requests
(2B8)	BITSTRING	4	TMRSZACT	SZALLOCT - No. FEPI allocates
(2BC)	BITSTRING	4	TMRSZRCT	SZRCVCT - No. FEPI receives
(2C0)	BITSTRING	4	TMRSZSCT	SZSENDCT - No. FEPI sends
(2C4)	BITSTRING	4	TMRSZTCT	SZSTRTCT - No. FEPI starts
(2C8) (2CC)	BITSTRING	4 4	TMRSZCOT	SZCHROUT - No. chars sent vai FEPI SZCHRIN - No. chars received via FEPI
(2D0)	BITSTRING BITSTRING	4	TMRSZCIN TMRSZATO	SZALLCTO - No. FEPI allocate timeouts
(2D0) (2D4)	BITSTRING	4	TMRSZRTO	SZRCVTO - No. FEPI receive timeouts
(2D4)	BITSTRING	4	TMRSZTOT	SZTOTCT - Total no. FEPI requests
(2DC)	BITSTRING	4	TMRBARSC	BARSYNCT - No. Run Process/Activity Sync
(2E0)	BITSTRING	4	TMRBARAC	BARASYCT - No. Run Process/Activity Async
(2E4)	BITSTRING	4	TMRBALKC	BALKPACT - No. Link Process/Activity regs
(2E8)	BITSTRING	4	TMRBADPC	BADPROCT - No. Define Process requests
(2EC)	BITSTRING	4	TMRBADAC	BADACTCT - No. Define Activity requests
(2F0)	BITSTRING	4	TMRBTPAC	BARSPACT - No. Reset Process/Activity requests
(2F4)	BITSTRING	4	TMRBSPAC	BASUPACT - No. Suspend Process/Activity requests
(2F8)	BITSTRING	4	TMRBRPAC	BARMPACT - No. Resume Process/Activity requests
(2FC)	BITSTRING	4	TMRBDCPC	BADCPACT - No. Delete Activity and Cancel Process or Activity requests
(300)	BITSTRING	4	TMRBAAPC	BAACQPCT - No. Acquire Process requests
(304)	BITSTRING	4	TMRBATPC	BATOTPCT - Total No. Process/Activity requests
(308)	BITSTRING	4	TMRBAPDC	BAPRDCCT - No. Process Data Container requests
(30C)	BITSTRING	4	TMRBAADC	BAACDCCT - No. Activity Data Container requests
(310)	BITSTRING	4	TMRBATCC	BATOTCCT - Total No. Data Container requests
(314)	BITSTRING	4	TMRBAREC	BARATECT - No. Retrieve Reattach Event requests
(318)	BITSTRING	4	TMRBADIC	BADFIECT - No. Define Input Event requests
(31C)	BITSTRING	4	TMRBATAC	BATIAECT - No. Timer Associated Event requests
(320)	BITSTRING	4	TMRBATEC	BATOTECT - Total No. Event requests
(324)	BITSTRING	4 4	TMRWBRCT	WBRCVCT - No. WEB Receive requests
(328) (32C)	BITSTRING BITSTRING	4	TMRWBCIN TMRWBSCT	WBCHRIN - No. Characters received via WEB reqs WBSENDCT - No. WEB Send requests
(320)	BITSTRING	4	TMRWBCOT	WBCHROUT - No. Characters sent via WEB requests
(334)	BITSTRING	4	TMRWBTC	WBTOTCT - Total No. WEB requests
(338)	BITSTRING	4	TMRWBRPR	WBREPRCT - No. Repository Reads
(33C)	BITSTRING	4	TMRWBRPW	WBREPWCT - No. Repository Writes
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Offset Hex	Туре	Len	Name (Dim)	Description
(340)	BITSTRING	4	TMRDHCRC	DHCRECT - No. Document Create requests
(344)	BITSTRING	4	TMRDHINC	DHINSCT - No. Document Insert requests
(348)	BITSTRING	4	TMRDHSTC	DHSETCT - No. Document Set requests
(34C)	BITSTRING	4	TMRDHRTC	DHRETCT - No. Document Retrieve requests
(350)	BITSTRING	4	TMRDHTC	DHTOTCT - Total No. Document requests
(354)	BITSTRING	4	TMRDHTDL	DHTOTDCL - Total Document Created length
(358)	BITSTRING	4	TMRSOBEN	SOBYENCT - No. Bytes Encrypted
(35C)	BITSTRING	4	TMRSOBDE	SOBYDECT - No. Bytes Decrypted
(360)	BITSTRING	4	TMRIMSRC	IMSREQCT - Total No. IMS requests
(364)	BITSTRING	4	TMRDB2RC	DB2REQCT - Total No. DB2 requests
(368)	BITSTRING	4	TMRCHMDC	CHMODECT - No. CICS Dispatcher Change Mode's
(36C)	BITSTRING	4	TMRTCBAC	TCBATTCT - No. CICS Dispatcher TCB Attach's
(370)	BITSTRING	8	TMRDIST	USRDISPT - User task Dispatch time
(378)	BITSTRING	8	TMRCPUT	USRCPUT - User task Cpu time
(380)	BITSTRING	8	TMRSUST	SUSPTIME - Task Suspend time
(388)	BITSTRING	8	TMRDWT	DISPWTT - Dispatch Wait time
(390)	BITSTRING	8	TMRQRDSP	QRDISPT - User task QR Mode Dispatch time
(398)	BITSTRING	8	TMRQRCPU	QRCPUT - User task QR Mode Cpu time
(3A0)	BITSTRING	8	TMRMSDSP	MSDISPT - User task Other Mode Dispatch time
(3A8)	BITSTRING	8	TMRMSCPU	MSCPUT - User task Other Mode Cpu time
(3B0)	BITSTRING	8	TMRL8CPU	L8CPUT - User task L8 Mode Cpu time
(3B8)	BITSTRING	8	TMRJ8CPU	J8CPUT - User task J8 Mode Cpu time
(3C0)	BITSTRING	8	TMRS8CPU	S8CPUT - User task S8 Mode Cpu time
(3C8)	BITSTRING	8	TMRQRDLY	QRMODDLY - QR Mode delay time
(3D0)	BITSTRING	8	TMROTDLY	MAXOTDLY - Max Open TCB delay time
(3D8)	BITSTRING	8	TMREXWT	EXWTTIME - Exception wait time
(3E0)	BITSTRING	8	TMRTCWT	TCIOWTT - TC i/o wait time
(3E8)	BITSTRING	8	TMRFCWT	FCIOWTT - FC i/o wait time
(3F0)	BITSTRING	8	TMRJCWT	JCIOWTT - JC i/o wait time
(3F8)	BITSTRING	8 8	TMRTSWT	TSIOWTT - TS i/o wait time
(400) (408)	BITSTRING BITSTRING	8	TMRIRWT TMRTDWT	IRIOWTT - IR i/o wait time TDIOWTT - TD i/o wait time
(410)	BITSTRING	8	TMRPCLT	PCLOADTM - Program load time
(418)	BITSTRING	8	TMRFDDLY	DSPDELAY - 1st Dispatch delay - TCLASS,MXT,etc
(420)	BITSTRING	8	TMRFDTCL	TCLDELAY - 1st Dispatch delay due to TCLASS
(428)	BITSTRING	8	TMRFDMXT	MXTDELAY - 1st Dispatch delay due to MXT
(430)	BITSTRING	8	TMRNQDLY	ENQDELAY - Local ENQ delay time
(438)	BITSTRING	8	TMRGQDLY	GNQDELAY - Global ENQ delay time
(440)	BITSTRING	8	TMR61WT	LU61WTT - LU61 i/o wait time
(448)	BITSTRING	8	TMR62WT	LU62WTT - LU62 i/o wait time
(450)	BITSTRING	8	TMRSZWT	SZWAIT - FEPI suspend time
(458)	BITSTRING	8	TMRRMIT	RMITIME - Total RMI elapsed time
(460)	BITSTRING	8	TMRRMIS	RMISUSP - Total RMI suspend time
(468)	BITSTRING	8	TMRSYNCT	SYNCTIME - Syncpoint elapsed time
(470)	BITSTRING	8	TMRRLSWT	RLSWAIT - RLS wait time
(478)	BITSTRING	8	TMRRLSCP	RLSCPUT - RLS SRB CPU time
(480)	BITSTRING	8	TMRLMDLY	LMDELAY - Lock Mgr delay time
(488)	BITSTRING	8	TMRWTXWT	WTEXWAIT - Wait External wait time
(490)	BITSTRING	8	TMRWCEWT	WTCEWAIT - Wait CICS/Event wait time
(498)	BITSTRING	8	TMRICDLY	ICDELAY - Interval control delay time
(4A0)	BITSTRING	8	TMRGVPWT	GVUPWAIT - Give up control wait time
(4A8)	BITSTRING	8	TMRTSHWT	TSSHWAIT - Shared TS wait time
(4B0)	BITSTRING	8	TMRCDTWT	CFDTWAIT - CF Data Table wait time
(4B8)	BITSTRING	8	TMRSYWTT	SRVSYWTT - Server Syncpoint wait time
(4C0)	BITSTRING	8	TMRRRSWT	RRMSWAIT - RRMS/MVS wait time
(4C8)	BITSTRING	8	TMRRTRWT	RUNTRWTT - Run Transaction wait time
(4D0)	BITSTRING	8	TMRSYDLY	SYNCDLY - Syncpoint delay time
(4D8)	BITSTRING	8	TMRSOWT	SOIOWTT - Socket I/O wait time
(4E0)	BITSTRING	8	TMRIMSWT	IMSWAIT - IMS wait time
(4E8)	BITSTRING	8	TMRRDQWT	DB2RDYQW - DB2 Readyq wait time
(4F0)	BITSTRING	8	TMRCONWT	DB2CONWT - DB2 Connection wait time
(4F8)	BITSTRING	8	TMRDB2WT	DB2WAIT - DB2 wait time
(500)	BITSTRING	8	TMRJVMT	JVMTIME - Total JVM elapsed time
(508)	BITSTRING	8	TMRJVMS	JVMSUSP - Total JVM suspend time
(508)			MNTCLEN	"*-MNTLEN" length of DSECT

Transient data VSAM control MRC

```
MODULE NAME = DFHMRCPS
DESCRIPTIVE NAME = Transient Data VSAM Control CICS/ESA AP Domain
FUNCTION =
   Copybook DFHMRCPS provides structures, DFHMRCA and
   DFHMRCB and DFHMRSD.
   DFHMRCA describes the String Common Area (MRCA),
   only one MRCA is allocated.
DFHMRCB describes the String Control Block (MRCB),
   one MRCB is allocated for each VSAM string.
   DFHMRSD describes the Segment Descriptor (MRSD),
   the number of MRSDs allocated depends on the size
   of the intrapartition data set.
LIFETIME =
   The lifetime of the control blocks and I/O buffers is essentially that of CICS.
STORAGE CLASS =
   The control blocks are located in storage allocated
   from the DFHTDG31 subpool.
   Note that the number of VSAM strings is defined as
   a SIT parameter / override.
LOCATION =
   The MRCA is located from the TDST.
   MRCBs, if unallocated, are located on a chain whose
   anchor is located in the MRCA.
   MRSDs are located on a chain whose anchor is located
   in the MRCA.
   Note that the update ACB and output ACB are located
   from the MRCA.
   Note also that the RPL and VSAM Error Message Area
   (VEMA) are located from the associated MRCB.
INNER CONTROL BLOCKS =
   There are no inner control blocks.
NOTES:
DEPENDENCIES =
   S/370
RESTRICTIONS =
   There are no restrictions.
MODULE TYPE =
   Control block definition
       MULTIPLE STRINGS - STRING COMMON AREA (MRCA)
```

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	212	DFHMRCA	
(0)	CHARACTER	16	MRCA_PREFIX	prefix
(0)	HALFWORD	2	MRCA_LENGTH	- length
(2)	CHARACTER	1	MRCA_ARROW	- value - '>'
(3)	CHARACTER	3	MRCA_DFH	- value - 'DFH'
(6)	CHARACTER	2	MRCA_DOMID	- value - 'TD'
(8)	CHARACTER	8	MRCA_BLOCK	- value - 'MRCA '
(10)	CHARACTER	4	MRCA_DFP	DFP release level
(10)	BITSTRING	1	MRCA_DFP_VR	 version, release
(11)	BITSTRING	1	MRCA_DFP_M0	- modification, 0
(12)	BITSTRING	2	*	- reserved
(14)	CHARACTER	64	MRCA_ACB	ACB
(14)	CHARACTER	8	MRCA_DDNAME	- DDNAME
(1C)	CHARACTER	44	MRCA_DSNAME	- DSNAME
(48)	FULLWORD	4	MRCA_STR_N	- #(strings)
(4C)	ADDRESS	4	MRCA_UACB_P	- A(update ACB)
(50)	ADDRESS	4	MRCA_OACB_P	- A(output ACB)
(54)	CHARACTER	24	MRCA_DS	data set
(54)	FULLWORD	4	MRCA_CI_L	 L(control interval)
(58)	FULLWORD	4	MRCA_MIN_L	- L(user data) - minimum
(5C)	FULLWORD	4	MRCA_MAX_L	- L(user data) - maximum
(60)	FULLWORD	4	MRCA_I_RBA	- initial RBA
(64)	FULLWORD	4	MRCA_N_RBA	- next RBA
(68)	FULLWORD	4	MRCA_H_RBA	- high RBA
(6C)	CHARACTER	8	MRCA_CSM	CI status map
(6C)	ADDRESS	4	MRCA_MRSD_P	 A(first MRSD) or 0
(70)	FULLWORD	4	MRCA_MRSD_N	 #(MRSDs allocated)
(74)	CHARACTER	8	MRCA_SRC_1	MRCB allocation chain
(74)	ADDRESS	4	MRCA_TCA_P	- A(owning TCA) or 0
(78)	ADDRESS	4	MRCA_MWCB_P	 A(first MWCB) or 0
(7C)	CHARACTER	8	MRCA_SRC_2	CI formatting chain
(7C)	ADDRESS	4	*	- A(owning TCA) or 0
(80)	ADDRESS	4	*	 A(first MWCB) or 0
(84)	CHARACTER	4	MRCAECB	ECB WORD
	1		*	- ECB BYTE
	.1		MRCACSMI	- CSM BUILD COMPLETE

Offset Hex	Туре	Len	Name (Dim)	Description
(84)	BITSTRING	2	*	RESERVED
(87)	UNSIGNED	1	MRCAERC1	- RETURN CODE
(88)	CHARACTER	4	*	MRCA STATUS
(88)	CHARACTER	1	MRCAFLG0	- DATASET
()	1	•	MRCAOPEN	- OPENED
	.1		MRCAESDS	- VSAM ESDS
	1		MRCADDST	- DD STATEMENT
	1 1111		*	- RESERVED
(89)	CHARACTER	1	MRCAFLG1	- CONTENTS
(03)	1		MRCAMPTY	- EMPTY (INITIALLY)
	.1		MRCAFULL	- FULL
	11 1111		*	- RESERVED
(8A)	CHARACTER	1	MRCAFLG2	- CSM INITALIZATION
(OA)	1	'	MRCACSMR	- REQUIRED
	.1		MRCACSMP	- NEQUINED - IN PROGRESS
	1		MRCACSMC	- IN FROGRESS - COMPLETE
	1 1111		WIRCACSIVIC	- COMPLETE - RESERVED
(OD)		1	MDCAFLCO	
(8B) (8B)	CHARACTER BITSTRING	1	MRCAFLG3	- RESERVED - RESERVED
` '		-		
(8C)	CHARACTER	16	MDOAOLINA	MRCB CHAIN ANCHORS
(8C)	CHARACTER	8	MRCACHN1	- UNALLOCATED CHAIN
(8C)	ADDRESS	4	MRCAFCN1	- A(FIRST MRCB)
(90)	ADDRESS	4	MRCABCN1	- A(LAST MRCB)
(94)	CHARACTER	8	MRCACHNS	- STATIC CHAIN
(94)	ADDRESS	4	MRCAFCNS	- A(FIRST MRCB)
(98)	ADDRESS	4	*	- RESERVED
(9C)	CHARACTER	24	*	MRCB STATISTICS
(9C)	CHARACTER	12	*	- ALLOCATION REQUESTS
(9C)	FULLWORD	4	MRCATNAL	- TOTAL
(A0)	FULLWORD	4	MRCACNAL	- CURRENT CONCURRENT
(A4)	FULLWORD	4	MRCAMXAL	- MAXIMUM CONCURRENT
(A8)	CHARACTER	12	*	- QUEUED REQUESTS
(A8)	FULLWORD	4	MRCATNWT	- TOTAL
(AC)	FULLWORD	4	MRCACNWT	- CURRENT CONCURRENT
(B0)	FULLWORD	4	MRCAMXWT	- MAXIMUM CONCURRENT
(B4)	CHARACTER	32	*	DATASET STATISTICS
(B4)	FULLWORD	4	MRCANCIS	- CURRENT CIS FORMATTED
(B8)	FULLWORD	4	MRCACTCI	 CURRENT CIS ALLOCATED
(BC)	FULLWORD	4	MRCAMXCI	- MAXIMUM CIS ALLOCATED
(C0)	FULLWORD	4	MRCANOSP	 NOSPACE RETURNED
(C4)	FULLWORD	4	MRCACTPT	- PUT REQUESTS
(C8)	FULLWORD	4	MRCACTGT	- GET REQUESTS
(CC)	FULLWORD	4	MRCACTFT	- FORMAT REQUESTS
(D0)	FULLWORD	4	MRCACTIO	- I/O ERRORS
(D4)	CHARACTER		*	

MULTIPLE STRINGS - STRING CONTROL BLOCK (MRCB)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	DFHMRCB	
(0)	CHARACTER	16	*	MRCB chains
(0)	ADDRESS	4	MRCBFCHN	 A(next inactive MRCB)
(4)	ADDRESS	4	MRCBBCHN	 A(previous inactive MRCB)
(8)	ADDRESS	4	MRCBSCHN	 A(next static MRCB) or 0
(C)	ADDRESS	4	*	- reserved
(10)	CHARACTER	16	*	associated control blocks
(10)	ADDRESS	4	MRCB_RPL_P	- A(RPL)
(14)	ADDRESS	4	MRCB_VEMA_P	 A(VSAM error message area)
(18)	ADDRESS	4	MRCB_MBCB_P	- A(MBCB) or 0
(1C)	ADDRESS	4	MRCB_MWCB_P	- A(MWCB) or 0
(20)	CHARACTER		*	

CI STATUS MAP - SEGMENT DESCRIPTOR (MRSD)

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	576	DFHMRSD	
(0)	CHARACTER	16	MRSD_PREFIX	prefix
(0)	HALFWORD	2	MRSD_LENGTH	- length
(2)	CHARACTER	1	MRSD_ARROW	- value - '>'
(3)	CHARACTER	3	MRSD_DFH	- value - 'DFH'
(6)	CHARACTER	2	MRSD_DOMID	- value - 'TD'
(8)	CHARACTER	8	MRSD_BLOCK	- value - 'MRSD '
(10)	CHARACTER	Q.	MRSD STATS	

Offset Hex	Туре	Len	Name (Dim)	Description
(10)	FULLWORD	4	MRSD CIS ALLOCATED	
` ,				CIs allocated
(14)	FULLWORD	4	*	Reserved
(18)	CHARACTER	20	MRSDPFIX	SEGMENT PREFIX
(18)	CHARACTER	4	MRSDPFID	- EYE CATCHER
(1C)	FULLWORD	4	MRSDPFLN	- LENGTH
(20)	FULLWORD	4	MRSDPFLL	- #(FIRST CI IN SEGMENT)
(24)	FULLWORD	4	MRSDPFUL	- #(LAST CI IN SEGMENT)
(28)	ADDRESS	4	MRSDPFCN	- A(NEXT SEGMENT) OR 0
(2C)	CHARACTER	512	*	SEGMENT DATA
(2C)	CHARACTER	256	MRSDSEGM	- MASTER AS SCALAR
(2C)	CHARACTER	1	MRSDSARM (0 255)	- MASTER AS ARRAY
(12C)	CHARACTER	256	MRSDSEGB	- BACK-UP AS SCALAR
(12C)	CHARACTER	1	MRSDSARB (0 255)	- BACK-UP AS ARRAY
(22C)	CHARACTER	20	MRSDSFIX	SEGMENT SUFFIX
(22C)	CHARACTER	4	MRSDSFID	- EYE CATCHER
(230)	FULLWORD	4	MRSDSFLN	- LENGTH
(234)	FULLWORD	4	MRSDSFLL	- #(FIRST CI IN SEGMENT)
(238)	FULLWORD	4	MRSDSFUL	- #(LAST CI IN SEGMENT)
(23C)	ADDRESS	4	MRSDSFCN	 A(NEXT SEGMENT) OR 0
(240)	CHARACTER		*	

Len	Type	Value	Name	Description
1	HEX	21	MRCA_DFP_21	- V2 R1
1	HEX	22	MRCA_DFP_22	- V2 R2
1	HEX	23	MRCA_DFP_23	- V2 R3

Transient data wait control **MWCB**

```
MODULE NAME = DFHMWCPS
DESCRIPTIVE NAME = Transient Data Wait Control
             CICS/ESA AP Domain
FUNCTION =
   Copybook DFHMWCPS provides structure DFHMWCB. DFHMWCB describes the Wait Control Block (MWCB),
   a MWCB is allocated on an as required basis.
LIFETIME =
   The lifetime of the control block is essentially
   that of the wait. They are allocated when it is
   necessary to suspend a task and freed when the task is
   resumed.
STORAGE CLASS =
   The control block is located in storage allocated
   from the DFHTDWCB subpool.
LOCATION =
   The MWCB is located from
    1. a DCTE
    2. the MBCA
    3. a MBCB
    2. the MRCA
    3. a MRCB
   depending on the event being waited on.
INNER CONTROL BLOCKS =
   There are no inner control blocks.
NOTES :
DEPENDENCIES =
   S/370
RESTRICTIONS =
   There are no restrictions.
MODULE TYPE =
   Control block definition.
      MULTIPLE BUFFERS - WAIT CONTROL BLOCK (MWCB)
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	40	DFHMWCB	
(0)	CHARACTER	16	MWCB_PREFIX	prefix
(0)	HALFWORD	2	MWCB_LENGTH	- length
(2)	CHARACTER	1	MWCB_ARROW	- value - '>'
(3)	CHARACTER	3	MWCB_DFH	- value - 'DFH'
(6)	CHARACTER	2	MWCB_DOMID	- value - 'TD'
(8)	CHARACTER	8	MWCB BLOCK	- value - 'MWCB '

Offset Hex	Туре	Len	Name (Dim)	Description
(10)	ADDRESS	4	MWCB_MWCB_P	A(next MWCB) or 0
(14)	FULLWORD	4	MWCB_TASK_TOKEN	 task token
(18)	ADDRESS	4	MWCB_SR_TOK	 SUSPEND/RESUME token
(1C)	CHARACTER	4	MWCB_TXN_NUMBER	 Owning txn number
(20)	CHARACTER	4	*	- reserved
(24)	CHARACTER	4	*	- reserved
(28)	CHARACTER		*	

Named counter server cf statistics NCS4D

CONTROL BLOCK NAME = DFHNCS4D DESCRIPTIVE NAME = CICS Named Counter Server List Str Stats FUNCTION = NC server list structure usage and access statistics. DEPENDENCIES = S/370

MODULE TYPE = Control block definition

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHNCS4D	, NC list structure statistics record
(0)	FULLWORD	4	S4 (0)	Start of record
(0)	HALFWORD	2	S4LEN	Length of data area
	.111 11		S4IDE	"0124" List structure stats mask
(2)	ADDRESS	2	S4ID	List structure stats id
	1		S4VERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	S4DVERS	List structure stats version number
(5)	CHARACTER	3		Reserved
Coupling	facility list structure	status inform	nation.	
(8)	CHARACTER	16	S4NAME (0)	Full name of list structure
(8)	CHARACTER	8	S4PREF	First part of structure name
(10)	CHARACTER	8	S4POOL	Pool name part of structure name
(18)	CHARACTER	16	S4CNNAME (0)	Name for connection to structure
(18)	CHARACTER	8	S4CNPREF \	Prefix for connection name
(20)	CHARACTER	8	S4CNSYSN	Own MVS system name from CVTSNAME
(28)	ADDRESS	4	S4SIZE	Structure size (unsigned fullword)
(2C)	ADDRESS	4	S4SIZEMX	Maximum structure size
Note tha	age statistics. at lowest free counts a because the maximum		well as highest in use / be affected by an ALTER	
(30)	FULLWORD	4	S4ENTRCT	Current number of entries in use
(34)	FULLWORD	4	S4ENTRHI	Highest number of entries in use
(38)	FULLWORD	4	S4ENTRLO	Lowest number of free entries
(3C)	FULLWORD	4	S4ENTRMX	Max entries returned by IXLCONN
	g facility I/O statistics. s for each main type		st.	
(40)	FULLWORD	4	S4CRECT	Create counter
(44)	FULLWORD	4	S4GETCT	Get and increment counter
(48)	FULLWORD	4	S4SETCT	Set counter
(4C)	FULLWORD	4	S4DELCT	Delete counter
(50)	FULLWORD	4	S4KEQCT	Inquire KEQ
(54)	FULLWORD	4	S4KGECT	Inquire KGE
Statistics	s for internal CF requ	ests.		
(58)	FULLWORD	4	S4ASYCT	Number of asynchronous requests
IXLLIST	completion statistics	indexed by i	internal response value.	
(5C)	FULLWORD	4	S4RSP1CT	Normal response, everything OK
(60)	FULLWORD	4	S4RSP2CT	No matching entry was found
(64)	FULLWORD	4	S4RSP3CT	Entry version did not match
(68)	FULLWORD	4	S4RSP4CT	List authority comparison mismatch
(6C)	FULLWORD	4	S4RSP5CT	The list structure is out of space
(70)	FULLWORD	4	S4RSP6CT	An IXLLIST return code occurred other than those described above
. ,	.111 .1		S4END	II★II
	.111 .1		S4CLEN	"*-S4LEN" Length of this DSECT

NCS5D Named counter server storage statistics

CONTROL BLOCK NAME = DFHNCS5D

DESCRIPTIVE NAME = CICS Named Counter Server Storage Statistics

FUNCTION = Statistics for named counter server main storage usage.

NOTES:

DEPENDENCIES = S/370 MODULE TYPE = Control block definition

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHNCS5D	, NC server main storage statistics
(0)	FULLWORD	4	S5 (0)	Start of record
(0)	ADDRESS	2	S5LEN	Length of data area
	.111 11.1		S5IDE	"0125" NC server main storage stats mask
(2)	ADDRESS	2	S5ID	NC server main storage stats id
	1		S5VERS	"X'01" DSECT version number mask
(4)	ADDRESS	1	S5DVERS	NC server main storage stats version
(5)	BITSTRING	3		Reserved

These are the statistics returned by the AXM page pool management routines for the pools AXMPGANY and AXMPGLOW. Storage in these pools is allocated in multiples of 4K pages on a 4K boundary. The most frequent use is for segments of LIFO stack storage. Storage is initially allocated from the pool using a bit map. For faster allocation, free areas are not normally returned to the pool but are added to a vector of free chains depending on the size of the free area (1 to 32 pages). When storage is being acquired, this vector is checked before going to the pool bit map. If there are no free areas of the right size and there is not enough storage left in the pool, free areas in the vector are put back into the pool, starting from the smallest end, until a large enough area has been created. This action appears as a compress attempt in the statistics. If there is still insufficient storage to satisfy the request, the request is failed. Statistics for LOC=ANY storage pool.

		•			
(8)	CHARACTER	8	S5ANYNAM	Pool name AXMPGANY	
(10)	FULLWORD	4	S5ANYSIZ	Size of storage pool area	
(14)	ADDRESS	4	S5ANYPTR	Address of storage pool area	
(18)	FULLWORD	4	S5ANYMX	Total pages in the storage pool	
(1C)	FULLWORD	4	S5ANYUS	Number of used pages in the pool	
(20)	FULLWORD	4	S5ANYFR	Number of free pages in the pool	
(24)	FULLWORD	4	S5ANYLO	Lowest free pages (since reset)	
(28)	FULLWORD	4	S5ANYRQG	Storage GET requests	
(2C)	FULLWORD	4	S5ANYRQF	Gets which failed to obtain storage	
(30)	FULLWORD	4	S5ANYRQS	Storage FREE requests	
(34)	FULLWORD	4	S5ANYRQC	Compress (defragmentation) attempts	
Statistic	s for LOC=BELOW sto	rage pool.			
(20)	CHARACTER	0	CEL OWNAM	Pool name AYMPCLOW	

otationo	S IOI LOO-DELOW SIO	rage poor.		
(38)	CHARACTER	8	S5LOWNAM	Pool name AXMPGLOW
(40)	FULLWORD	4	S5LOWSIZ	Size of storage pool area
(44)	ADDRESS	4	S5LOWPTR	Address of storage pool area
(48)	FULLWORD	4	S5LOWMX	Total pages in the storage pool
(4C)	FULLWORD	4	S5LOWUS	Number of used pages in the pool
(50)	FULLWORD	4	S5LOWFR	Number of free pages in the pool
(54)	FULLWORD	4	S5LOWLO	Lowest free pages (since reset)
(58)	FULLWORD	4	S5LOWRQG	Storage GET requests
(5C)	FULLWORD	4	S5LOWRQF	Gets which failed to obtain storage
(60)	FULLWORD	4	S5LOWRQS	Storage FREE requests
(64)	FULLWORD	4	S5LOWRQC	Compress (defragmentation) attempts
	.11. 1		S5END	H±H
	.11. 1		S5CLEN	"*-S5LEN" Length of this DSECT

NEPCA Node error program commarea

```
MACRO NAME = DFHNEPCA
DESCRIPTIVE NAME = CICS DFHZNEP - Node Error Program
Commarea Mapper and Descriptor
FUNCTION =
     This macro provides a DSECT description and a storage mapper for the NEP COMMAREA
NOTES
 DEPENDENCIES = S/370
RESTRICTIONS =
      See OPERANDS sections
 MODULE TYPE = Executable macro
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHNEPCA	
Ir	nvocation descriptor.			
-	repl hese fields are READ	aceable mod	ule	
(0)	BITSTRING	158	NEPCAUDD (0)	In continue descriptor
(0) (0)	BITSTRING BITSTRING	4 1	NEPCAHDR (0) NEPCAFNC	Invocation descriptor Local descriptor
(1)	BITSTRING	2	NEPCACMP	Global descriptor
(3)	BITSTRING	1	NEI O/IOIIII	Reserved
	entity of terminal and	the error code	e associated with it	
	ese fields are READ		c associated with it	
(4)	BITSTRING	1	TWAEC	Error Code
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	4	TWANID	Terminal identity
(C)	CHARACTER	8	TWANETN	Netname
Ac	tion bytes. Initially set	to the defau	Ilt actions.	
Us	er can change these	default action	ns.	
(14)	BITSTRING	4	TWAROPTL (0)	Reserved
(14)	BITSTRING	3	TWAOPTL (0)	User option bytes
(14)	BITSTRING	1	TWAROPT1 (0)	User option byte 1
(14)	BITSTRING	1	TWAOPT1 TWAOAF	User option byte 1 "X'80" Print action flags
	1 .1		TWAORPL	"X'40" Print VTAM RPL
	1		TWAOKFE	"X'20" Print TCTTE
	1		TWAOTIOA	"X'10" Print TIOA
	1		TWAOBIND	"X'08" Print BIND area
	1		TWAODNTA	"X'04'" System dump if no task attached
(15)	BITSTRING	1	TWAROPT2 (0)	User option byte 2
(15)	BITSTRING	1	TWAOPT2	User option byte 2
	1		TWAOAS	"X'80" Abort any send for this terminal
	.1		TWAOAR	"X'40" Abort any receive for " "
	1		TWAOAT	"X'20" Abend any task attached to TCTTE
	1		TWAOCT	"X'10" Cancel any task att to TCTTE
	1		TWAOGMM TWAOPBP	"X'08" Good Morning message to be sent "X'04" Purge any BMS pages for this TCTTE
	1.		TWAOASM	"X'02" SIMLOGON required
(16)	BITSTRING	1	TWAROPT3 (0)	User option byte 3
(16)	BITSTRING	1	TWAOPT3	User option byte 3
(- /	1		TWAOINT	"X'80'" Set INTLOG now allowed
	.1		TWAONINT	"X'40" Set no internal gen logons
	1		TWAONCN	"X'10" Normal CLSDST (no reset allowed)
	1		TWAOSCN	"X'08" Normal CLSDST (reset allowed)
	1		TWAONEGR	"X'04" Send negative response
	1. 1		TWACON	"X'02" Keep node out of service
(17)	BITSTRING	1	TWAOCN	"X'01" CLSDST node Reserved
	y VTAM sense and R			10001700
	ese fields are READ			
(18)	BITSTRING	12	TWAVTAM (0)	VTAM information
(18)	HALFWORD	2	TWARPLCD	VTAM RPL feedback codes
(1A)	HALFWORD	2	===	Reserved
(1C)	FULLWORD	4	TWASENSS (0)	Sense codes to be sent
(1C)	BITSTRING	1	TWASS1	System sense byte No 1
(1D)	BITSTRING	1	TWASS2	System sense byte No 2
(1E)	BITSTRING	1	TWAUS1	User sense byte No 1
(1F)	BITSTRING	1	TWAUS2	User sense byte No 2
(20)	FULLWORD	4	TWASENSR (0)	Sense codes received
(20)	BITSTRING	1 1	TWASR1	System sense byte No 1
(21) (22)	BITSTRING BITSTRING	1	TWASR2 TWAUR1	System sense byte No 2 User sense byte No 1
(22)	BITSTRING	1	TWAUR1	User sense byte No 2
(20)	2			300, 00,100 2,10 10 2

Offset Hex	Туре	Len	Name (Dim)	Description	
	er useful information for exception of TWANLI READ ONLY		& TWANPFW these fields are		
(24)	BITSTRING	22	TWAADINF (0)		
(24)	FULLWORD	4		Reserved	
(28)	BITSTRING	1	TWACTLB	General use control byte	
	1		TWACSC	"X'20" Clear sense code indicator	
	1		TWAPSC	"X'10" Print VTAM sense codes	
	1		TWATIOA	"X'08" Print portion of I/O area	
(20)	1.	4	TWANTER	"X'02" VTAM return code available	
(29)	BITSTRING 1	1	TWANEPR TWANPFW	NEP return code byte	
(2A)	BITSTRING	1	TWAREASN	"X'80" Retry write with FORCE=YES VTAM reason code	
(2A) (2B)	BITSTRING	1	TWASTAT	VTAM reason code VTAM status code	
(2A)	BITSTRING	1	TWATRSN	CICS Terminal Control terminal error reason code	
(2C)	HALFWORD	2	TWATRON	Exception response seq number recd	
(20)	1. 111.	-	TWAR	*	
(2E)	BITSTRING	1	TWAPFLG	CLSDST Pass flag	
` '	1		TWAPIP	"X'80" CLSDST Pass in progress	
(2F)	BITSTRING	1	TWANEPC	NEP Class Flag	
(30)	BITSTRING	1	TWAEISAB	Stand alone begin bracket indicator	
	1		TWAESAB	"X'04'" Stand alone begin bracket	
(31)	BITSTRING	3		Reserved	
(34)	ADDRESS	4	TWANLD	NEP data pointers	
(38)	HALFWORD	2	TWANLDL	Length of NEP data	
	Additional system parameters With the exception of TWAPNETN, TWAPNTID & TWAUPRRC these fields are READ ONLY				
(3C)	FULLWORD	4	(0)		
(3C)	BITSTRING	68	TWASYSPM (0)		
(3C)	ADDRESS	4	TWATCTA	Address of TCTTE being processed	
(40)	ADDRESS	4	TWARPL	Address of VTAM RPL	
(44)	ADDRESS	4	TWATIOAA	Address of data portion of TIOA	
(48)	HALFWORD	2	TWATIOAL	Length of data portion of TIOA	
(4A)	HALFWORD	2	TWACOMML	Length of commarea data for TCTTE	
(4C)	CHARACTER	4 4	TWACOMMA TWATECIA	Address of COTTE LISER AREA	
(50) (54)	ADDRESS HALFWORD	2	TWATECIA	Address of TCTTE USER AREA Length of TCTTE USER AREA	
(56)	CHARACTER	8	TWAPPNTN	primary 3270 printer netname	
(5E)	CHARACTER	4	TWAPPTID	primary 3270 printer termid	
(62)	BITSTRING	1	TWAPPELG	primary printer eligible indicator	
(02)	1	•	TWAPPELY	"X'01" primary printer is eligible flag	
(63)	CHARACTER	8	TWASPNTN	secondary 3270 printer netname	
(6B)	CHARACTER	4	TWASPTID	secondary 3270 printer termid	
(6F)	BITSTRING	1	TWASPELG	secondary printer eligible indicator	
` ,	1		TWASPELY	"X'01" secondary printer is eligible flag	
(70)	CHARACTER	8	TWAPNETN	selected 3270 printer netname	
(78)	CHARACTER	4	TWAPNTID	selected 3270 printer termid	
(7C)	BITSTRING	1	TWAUPRRC	Unavailable Printer rtn return code	
	• • • • • • • • • • • • • • • • • • • •		TWAUPRNP	"X'00" No printer selected	
	1		TWAUPRPS	"X'01" printer selected	
	1111 1111		TWAUPRDD	"X'FF" data disposal complete	
 :	1111 111.		TWAUPRPE	"X'FE" Error on Put request	
(7D)	BITSTRING	1	TWAERRF1	Error flag byte 1	
(7 E)	1	0	TWALXS	"X'80" Logon crossed simlogon	
(7E)	BITSTRING	2		reserved	
Use	F recovery notification er can change these de	efault actions			
(80)	BITSTRING	1	TWAXRNOT	Recovery Notification Options	
	1		TWAXRNON	"X'80" Recov Notification = None	
	.1		TWAXRMSG	"X'40" Recov Notification = Message	
(04)	1	2	TWAXRTRN	"X'20" Recov Notification = Transact.	
(81)	BITSTRING	3	TIMAVMETNI	Reserved	
(84)	CHARACTER	8	TWAXMSTN	Recovery Mapset Name	
(8C) (94)	CHARACTER CHARACTER	8 4	TWAXMAPN TWAXTRAN	Recovery Map Name Recovery Transaction ID	
			I VVAA I RAIN	Necovery Indiffsaction to	
	litional system parame				
(98)	ADDRESS	4	TWACINIT	CINIT RU Address	
(9C)	BITSTRING	2	TWACINIL	CINIT RU Length	
	11 111.		NEPCALEN	"*-NEPCABEG" Length of this DSECT	

NQG Enqueue manager global statistics

```
CONTROL BLOCK NAME = DFHNQGDS
DESCRIPTIVE NAME = CICS Enqueue Manager Statistics
    CICS level at which this module was last updated
FUNCTION =
    This data area contains global statistics provided by the
    Enqueue Manager Domain.
    It is provided for use in users monitoring applications
    to map the statistics returned via the API, the statistics
    exit, or offline formatting products.
    There is a single instance of this data block.
    This data block is created by the Enqueue Manager
    Domain to store statistics to be passed to the user in
    response to a request for statistics. The storage is
    released when the user task is detached.
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
INNER CONTROL BLOCKS = none
NOTES:
 DEPENDENCIES = S/370
 RESTRICTIONS = none
MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from enqueue manager domain
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHNQGDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHNQGDS	Enqueue Manager Global statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	NQGLEN	Length of data area
	.111		NQGIDE	"0097" Enqueue Manager statistics id mask
(2)	ADDRESS	2	NQGID	Enqueue Manager statistics id
	1		NQGVERS	"X'01'" Stats version number id mask
(4)	CHARACTER	1	NQGDVERS	Stats version number
(5)	CHARACTER	3		Filler
(8)	FULLWORD	4	NQGNPOOL	Number of ENQ pools following
	11		NQGGEND	"*" End of global portion
	11		NQGGLEN	"*-DFHNQGDS" Length of global portion

The following dsect is repeated for each ENQ pool. The number of repetitions of the NQGBODY dsect is in NQGNPOOL.

Offset	Туре	Len	Name (Dim)	Description
Hex (0)			NQGBODY	Individual ENQ pool statistics
	CHARACTER	8	NQGPOOL	ENQ pool id
(0)		0		•
(8)	FULLWORD	4	NQGTNQSI	Total enqueues issued
(C)	FULLWORD	4	NQGTNQSW	Total enqueues waited
(10)	CHARACTER	8	NQGTNQWT	Time enqueues had waited (STCK)
(18)	FULLWORD	4	NQGCNQSW	Current enqueues waiting
(1C)	CHARACTER	8	NQGCNQWT	Current enqueues waiting time (STCK)
(24)	FULLWORD	4	NQGGNQSW	Total sysplex ENQs waited
(28)	CHARACTER	8	NQGGNQWT	Time sysplex ENQs had waited (STCK)
(30)	FULLWORD	4	NQGSNQSW	Current sysplex ENQs waiting
(34)	CHARACTER	8	NQGSNQWT	Current sysplex ENQs wait time (STCK)
The following fields show the enqueue retention activity.				
(3C)	FULLWORD	4	NQGTNQSR	Total enqueues that were retained
(40)	CHARACTER	8	NQGTNQRT	Time enqueues were retained (STCK)
(48)	FULLWORD	4	NQGCNQSR	Current enqueues retained
(4C)	CHARACTER	8	NQGCNQRT	Current enqueues retained time (STCK)
The following fields show a breakdown of the possible reasons of why requests for ENQs may not have been successful.				
(54)	FULLWORD	4	NQGTIRJB	Total immed. rejected ENQBUSY
(58)	FULLWORD	4	NQGTIRJR	Total immed. rejected ENQ retained
(5C)	FULLWORD	4	NQGTWRJR	Total waiting ENQs rejected retained
(60)	FULLWORD	4	NQGTWPOP	Total waiting ENQs purged by operator
(00)	, occiviond	7	11401111101	Total Walting Elitas purgou by operator

Offset Hex	Туре	Len	Name (Dim)	Description
(64)	FULLWORD .11. 1	4	NQGTWPTO NQGBEND NQGBLEN	Total waiting ENQs purged by timeout "*" End of individual ENQ pool stats "*-NQGBODY" Length of body

Enq/deq EXEC parameter list NQUE

```
CONTROL BLOCK NAME = DEHNOLIEC
DESCRIPTIVE NAME = CICS EXEC argument list for ENQ/DEQ
                     user exits.
 Although provided in a general library, DFHNQUED is not
 to be used as a general programming interface. Refer to
 product documentation to determine intended usage.
 The following fields are part of the Product-sensitive
 Programming Interface.
         NQ_ADDR0
         NQ_ADDR1
         NQ_ADDR2
         NQ_ADDR3
         NQ_GROUP
         NQ_FUNCT
         NQ_BITS1
         NO BITS2
         NQ_EIDOPT5
         NQ_EIDOPT6
         NQ_EIDOPT7
         NQ_EIDOPT8
         NQ ENQ
         NQ DEQ
         NQ_RESOURCE
         NQ_LENGTH
         NQ_MAXLIFETIME
 All equates for values of EIBRCODE, EIBRESP and EIBRESP2
 form part of the General-purpose Programming Interface.
 All remaining fields used in defining the Exec Parameter
 List are product sensitive and may vary between CICS
 releases.
   To define the EXEC parameter list for ENQ/DEQ
   requests, for use by global user exit programs at exit
   points XNQEREQ and XNQEREQC.
   On entry to the XNQEREQ and XNQEREQC User Exits, the EXEC
   parameter list is pointed to by UEPCLPS.
   The EXEC parameter list for ENQ/DEQ consists of four
   addresses.
   The four addresses are defined by NQ_ADDR0 to NQ_ADDR3.
   This DSECT defines these addresses and the areas that
   they point to.
   On entry to the XNQEREQ and XNQEREQC User Exits, the copy
   of EIBRCODE is pointed to by UEPRCODE, the copy of EIBRESP
   is pointed to by UEPRESP and the copy of EIBRESP2 is
   pointed to by UEPRESP2.
   This DSECT also contains equates for values of EIBRCODE,
   EIBRESP and EIBRESP2 used by ENQ/DEQ.
LIFETIME = Lifetime of the NQ command request
STORAGE CLASS = As the storage being mapped is the translated
        source in the user's application program, the
        storage may be either above or below the line
LOCATION = (1) EXEC Parameter List is addressed by UEPCLPS.
        (2) Fields copied from the EIB are addressed by
          UEPRCODE, UEPRESP and UEPRESP2.
        (3) The token for use in communicating between
          XNQEREQ and XNQEREQC is addressed by UEPNQTOK.
INNER CONTROL BLOCKS =
  NQ_ADDR_LIST declares the EXEC addresses.
   NQ_EID defines the EID pointed to by NQ_ADDR0.
NOTES
DEPENDENCIES = S/370 ESA
RESTRICTIONS = None
MODULE TYPE = Control Block definition
EXTERNAL REFERENCES =
   None.
 DATA AREAS =
   None
 CONTROL BLOCKS =
   None
 GLOBAL VARIABLES (Macro pass) =
   None.
The command parameter list is a list of addresses
which reference the argument values for this EXEC CICS
command. The addresses are only valid if the argument is
applicable to this command.
The existence bits in the EID component (NQ_BITS1) specify
those addresses that are valid, and the flagword bits
(NQ_EIDOPT5 - NQ_EIDOPT7) specify the keywords that were given
in the EXEC CICS command.
Therefore, you can deduce the useage of each address by testing
these bits in conjunction with the command function(NQ_FUNCT).
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	NQ_ADDR_LIST	NQ_ADDR_LIST consists of
(0)	ADDRESS	4	NQ_ADDR0	the EID
(4)	ADDRESS	4	NQ_ADDR1	RESOURCE
(8)	ADDRESS	4	NQ_ADDR2	LENGTH
(C)	ADDRESS	4	NQ_ADDR3	MAXLIFETIME

NQ_EID (addressed by NQ_ADDR0) gives the command function, and contains the existence and flagword bits. Note: Equates for NQ_GROUP, NQ_FUNCT, EIBRCODE, EIBRESP and EIBRESP2 values are defined at the end of this data structure.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	NQ_EID	
(0)	CHARACTER	1	NQ_GROUP	'12'X for ENQ/DEQ
(1)	CHARACTER	1	NO FUNCT	'04'X for ENQ

'06'X for DEQ

The existence bits (NQ_BITS1) specify the parameters that are $\,$ valid for this command.

For example, NQ_EXIST2 set on indicates that NQ_ADDR2 is valid,

meaning that it addresses a LENGTH value.

NQ_ADDR0 is always valid and has no existence bit.

(2)	BITSTRING	1	NQ_BITS1
	1		NQ_EXIST1
	1		NQ_RESOURCE_V
	.1		NQ_EXIST2
	.1		NQ_LENGTH_V
	1		NQ_EXIST3
	1		NQ_MAXLIFETIME_ V
	1 1111		*
(3)	BITSTRING	2	*

The next 3 bytes (NQ_EIDOPT5 - NQ_EIDOPT7) are the flagword

A user exit program at XNQEREQ can set the NQ_NOSUSPEND_X

bit for an ENQ command.

(5)	BITSTRING	1	NQ_EIDOPT5	
(5)	BITSTRING	1	*	Reserved
(6)	BITSTRING	1	NQ_EIDOPT6	
(6)	BITSTRING	1	*	Reserved
(7)	BITSTRING	1	NQ_EIDOPT7	
	1111 1		*	Reserved
	1		NQ_NOSUSPEND_X	NOSUSPEND specified.
	11		*	Reserved

Reserved

Reserved

The following definitions are for the rest of the arguments in the EXEC parameter list, addressed by NQ_ADDR1 - NQ_ADDR3 in NQ_ADDR_LIST.

Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	STRUCTURE CHARACTER	*	NQ_DATA1 NQ_RESOURCE	the RESOURCE
Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	STRUCTURE HALFWORD	2 2	NQ_DATA2 NQ_LENGTH	the LENGTH
(0)	THE WORD	_	NG_LENOTT	uic EENOTT
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	NQ_DATA3	
(0)	FULLWORD	4	NQ_MAXLIFETIME	the MAXLIFETIME

Len 1	Type HEX	Value 12	Name NQ_ENQDEQ_GROUP	Description		
Equa	tes for NQ_ FUNCT v	ralues.				
1	HEX HEX	04 06	NQ_ENQ NQ_DEQ	Enq Deq		
	Start of General Use Programming Interface. Equates for EIBRCODE values used by Enq/Deq.					
1 1 1 1	HEX HEX HEX HEX	00 E0 E1 32	NQ_OK_EIBRCODE NQ_INVREQ_EIBRCODE NQ_LENGERR_ EIBRCODE NQ_ENQBUSY_ EIBRCODE			
E	quates for EIBRESP	values used by Enq/Deq.				
1 1 1 1	DECIMAL DECIMAL DECIMAL DECIMAL	0 16 22 55	NQ_OK_EIBRESP NQ_INVREQ_EIBRESP NQ_LENGERR_EIBRESP NQ_ENQBUSY_EIBRESP			
Е	quates for EIBRESP2	values used by Enq/Deq				
1 1 1	DECIMAL DECIMAL DECIMAL	0 1 2	NQ_OK_EIBRESP2 NQ_LENGERR_ EIBRESP2 NQ_INVREQ_EIBRESP2	OK LENGERR INVREQ *-*-*-**-* *-* End of General Use **-* *-* Programming Interface *-* *-*-*-*-*-*-*-*		

OSPWA BMS work area

```
MODULE NAME = DFHOSPWA
DESCRIPTIVE NAME = CICS BMS WORK AREA
FUNCTION = DEFINE THE MAJOR BMS CONTROL BLOCK. THIS IS CHAINED
      OFF THE TCA SYSTEM AREA. IT IS BUILT BY DFHMCP ON
       THE FIRST BMS REQUEST IN A TRANSACTION, AND IS FREED
       AT TASK TERMINATION. LARGE PARTS OF THE OSPWA ARE
       CLEARED BY DFHMCP ON SEND PAGE.
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS = NONE
REGISTER CONVENTIONS = SEE COMMENTS IN CODE
PATCH LABEL = NONE
MODULE TYPE = DSECT
MODULE SIZE = NOT APPLICABLE
ATTRIBUTES = DSECT
ENTRY POINT = NOT APPLICABLE
PURPOSE = SEE FUNCTION
LINKAGE = NOT APPLICABLE
INPUT = NOT APPLICABLE
OUTPUT = NOT APPLICABLE
EXIT-NORMAL = NOT APPLICABLE
EXIT-ERROR = NOT APPLICABLE
EXTERNAL REFERENCES = NOT APPLICABLE
CONTROL BLOCKS = NOT APPLICABLE
TABLES = NOT APPLICABLE
MACROS = NONE
      OUTPUT SERVICES PROCESSOR WORK AREA (OSPWA)
   BASIC MAPPING SUPPORT WORK AREA
THE OSPWA IS USED BY ALL BMS ROUTINES TO TRANSMIT DATA
    BETWEEN ROUTINES AND ACROSS BMS CALLS.
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHOSPWA	DUMMY SECTION - BMS WORK AREA
(0)	DBL WORD	8	OSPSAAP	STORAGE ACCOUNTING INFORMATION STORAGE CLASS=USER
	1		OSPSTART	"*" OSPWA START
(8)	CHARACTER	8	OSPCBID	OSPWA SELF IDENTIFICATION. SET TO 'DFHOSPWA' WHEN OSPWA CREATED
	1		OSPSTRT1	"*" OSPWA START
	REGISTER SAVE	AREAS - F	PART ONE	
(10)	FULLWORD	4	OSPRLRSA (2)	ROUTE LIST RESOLUTION SAVE AREA
(18)	FULLWORD	4	OSPMAPSA (2)	MAPPING SAVE AREA
	1 1		OSPIIPSA	"OSPMAPSA" INPUT MAPPING SAVE AREA
(20)	FULLWORD	4	OSPPFSA (2)	PAGE FORMATTING SAVE AREA
(28)	FULLWORD	4	OSPDSBSA (2)	DATA STREAM BUILD SAVE AREA
(30)	FULLWORD	4	OSPTPPSA (2)	TERMINAL PAGE PROCESSOR SAVE AREA
(38)	FULLWORD	4	OSPTPRS1 (2)	DFHTPR REGISTER SAVE AREA

Offset Hex	Туре	Len	Name (Dim)	Description
(40)	FULLWORD	4	OSPTPRS2 (2)	DFHTPR REGISTER SAVE AREA
(20)	FULLWORD	4	OSPTPRS3	DFHTPR REGISTER SAVE AREA
(24)	FULLWORD	4	OSPTPRS4	DFHTPR REGISTER SAVE AREA
(28)	FULLWORD	4	OSPTPRS5	DFHTPR REGISTER SAVE AREA
(2C)	FULLWORD	4	OSPTPRS6	DFHTPR REGISTER SAVE AREA
SAVE A	REAS FOR R14 TO	GIVE RLR C	ALLING PROCEDURE (CONSISTENCY
(28)	FULLWORD	4	OSPLIS14	SAVE AREA FOR RETURN REGISTER FOR RLRLOCID
(2C)	FULLWORD	4	OSPINS14	SAVE AREA FOR RETURN REGISTER FOR RLRINIT
(30) (48)	FULLWORD FULLWORD	4 4	OSPBLS14 (2)	SAVE AREA FOR RETURN REGISTER FOR RLRRLBLD RESERVED
(40)				REGERVED
	DATA SAVED F	ROW TOA RE		
(50)	.1.1 BITSTRING	4	OSPSVDTA	"*" BMS REQUEST DATA FROM TCA
(50)	1	1	OSPTR1 OSPTRR	TYPE OF REQUEST BYTE 1 "X'80" TYPE = ROUTE
	.1		OSPREO	"X'40" ERRTERM = ORIG
	1		OSPRETI	"X'20" ERRTERM = TERMINAL ID
	1		OSPRI	"X'10" INTRVAL = NUMERIC VALUE
	1		OSPRT OSPRA	"X'08" TIME = NUMERIC VALUE "X'04" LIST = ALL
	1.		OSPRLSA	"X'02" LIST = SYMBOLIC ADDRESS
	1		OSPROC	"X'01" OPCLASS = OPERATOR CLASS
(51)	BITSTRING	1	OSPTR2	TYPE OF REQUEST BYTE 2
	1		OSPRTL	"X'80" TITLE = SYMBOLIC ADDRESS
	1		OSPTOPT OSPRQI	"X'40" PROPT = NLEOM "X'20" REQID = ALPHANUMERIC VALUE
	1		OSPTLD	"X'10" LDC = MNEMONIC OR YES
	1		OSPIOT	"X'08" IOTYPE = IMMED
	1		OSPLPS	"X'04" SEND PARTNSET
	1.		OSPRIN	"X'02" RECV INTO EXEC COMMAND
(52)	1 BITSTRING	1	OSPTRG OSPTR3	"X'01" TYPE = PURGE TYPE OF REQUEST BYTE 3
(02)	1		OSPTLST	"X'80" TYPE = LAST
	.1		OSPRPR	"X'40" RECEIVE PARTITION
	1		OSPTRT	"X'20" TYPE=TEXT ON INPUT MAPPING
	1		OSPHON OSPTC	"X'20" HONEOM REQUESTED ON OUTPUT MAPPING (EXEC INTERFACE ONLY) "X'10" CURSOR = NUMBER
	1		OSPTCWCC	"X'08" CTRL = ANY 3270 WRITE CONTROL CHARACTER
	1		OSPTMN	"X'04" MAP = MAP NAME
	1.		OSPTSA	"X'02" MSETADR = SYMBOLIC ADDRESS OR PSETADR = ADDRESS
(50)	1	4	OSPTSN OSPTD4	"X'01" MAPSET = MAP SET NAME
(53)	BITSTRING 11	1	OSPTR4 OSPTDY	TYPE OF REQUEST BYTE 4 "X'CO" DATA = YES
	.1		OSPTDN	"X'40" DATA = NO
	1		OSPTRS	"X'20" TYPE = SAVE
	1		OSPTMA	"X'10" MAPADR = SYMBOLIC ADDRESS
	1		OSPTRW OSPTRM	"X'08" TYPE = WAIT "X'04" TYPE = MAP
	1.		OSPTRE	"X'02" TYPE = ERASE
	1		OSPTRI	"X'01" TYPE = IN
(54)	BITSTRING	1	OSPTR5	TYPE REQUEST BYTE 5
	1		OSPTRB	"X'80" TYPE = PAGEBLD "X'40" OFLOW = SYMBOLIC ADDRESS
	.1		OSPTOF OSPTEU	"X'20" TYPE = ERASEAUP
	1		OSPTFF	"X'10" TYPE = FORMFEED
	1		OSPTRLOC	"X'08" TYPE = LOCATE_MAP
	1		OSPTRO	"X'04" TYPE = OUT
	1.		OSPTRF OSPTRU	"X'02" TYPE = STORE "X'01" TYPE = RETURN
(55)	BITSTRING	1	OSPTR6	TYPE REQUEST BYTE 6
\/	1		OSPTRP	"X'80"" TYPE = PAGEOUT
	.1		OSPTCAPG	"X'40" CTRL = AUTOPAGE
	1		OSPTCPG OSPTCRET	"X'20" CTRL = PAGE
	1		OSPTCRET	"X'10" CTRL = RETAIN "X'08" CTRL = RELEASE
	1		OSPTWBC	"X'04" WTBRK = CURRENT
	1.		OSPTWBA	"X'02" WTBRK = ALL
(50)	1		OSPEODOP	"X'01" EODPURG=OPER
(56)	BITSTRING 1	1	OSPTR7 OSPTRX	TYPE REQUEST BYTE 7 "X'80" TYPE = TEXTBLD
	.1		OSPTHDR	"X'40" HEADER = SYMBOLIC ADDRESS
	1		OSPTTRL	"X'20" TRAILER = SYMBOLIC ADDRESS
	1		OSPJUST	"X'10" JUSTIFY = FIRST, LAST, OR VALUE
	1		OSPOPRT	"X'08" API SPECIFIES OUTPARTN "Y'04" API SPECIFIES ACTRADTN
	1.		OSPAPRT OSPPGAS	"X'04"" API SPECIFIES ACTPARTN "X'02"" PGA SUPPLIED AT END OF DATA. NOTE: TIOATDL MUST INCLUDE THE LENGTH
			33	OF THE PGA IF THIS IS SET
			OSPTRN	"X'01" TYPE = NOEDIT
(57)	BITSTRING 1	1	OSPTR8	TYPE REQUEST BYTE 8
	.1		OSPIPRT OSPMGM	"X'80" API SPECIFIES INPARTN "X'40" MSR SPECIFIED ON API
	1		OSPEIC	"X'20" EXEC INTERFACE COMMAND
	1		OSPTFP	"X'10" FMHPARM = YES OR PARM
	1		OSPRDA	"X'08" RDATT = SYMBOLIC ADDRESS "Y'04" WIRRIN - SYMBOLIC ADDRESS
	1		OSPWRB	"X'04"" WRBRK = SYMBOLIC ADDRESS

Offset Hex	Туре	Len	Name (Dim)	Description
	1.		OSPSIG	"X'02" SIGNAL = SYMBOLIC ADDRESS
	1		OSPMGC	"X'01" SEND CONTROL SPECIFIED
	.1.1 1		OSPTREND	"*" END REQUEST BYTE INFORMATION
(58)	1 ADDRESS	4	OSPTRLEN OSPTA (0)	"OSPTREND-OSPSVDTA" REQUEST BYTES' LENGTH TITLE ADDRESS
(58)	CHARACTER	4	OSPTRMID (0)	TERMINAL ID FOR PURGE
(58)	ADDRESS	4	OSPIOA	ALTERNATE I/O AREA ADDRESS
(5C)	CHARACTER	4	OSPFSC (0)	FIELD SEPARATOR CHARACTERS
(5C)	CHARACTER	1	OSPWCC	WRITE CONTROL CHARACTER
(5D)	BITSTRING 1111 1111	1	OSPJFLV	JUSTIFY = FIRST, LAST, OR VALUE
	1111 1111		OSPJF OSPJL	"X'FF" JUSTIFY = FIRST "X'FE" JUSTIFY = LAST
(5E)	HALFWORD	2	OSPRPL (0)	RECEIVE PARTN LENGTH VALUE
(5E)	HALFWORD	2	OSPCP	CURSOR POSITION
(60)	ADDRESS	4	OSPMA (0)	MAP ADDRESS
(60)	CHARACTER	8	OSPMN (0)	MAP NAME
(60)	CHARACTER	8	OSPPSN (0)	PARTITION SET NAME
(60)	CHARACTER	8	OSPMCRID (0)	MCR TS DATA ID FOR PURGE
(60) (60)	ADDRESS ADDRESS	4 4	OSPHDRA (0) OSPRLA	HEADER ADDRESS ROUTE OR RETURNED PAGE LIST ADDRESS
(64)	ADDRESS	4	OSPTRLA (0)	TRAILER ADDRESS
(64)		4	OSPRTI	TIME OR INTERVAL FOR TYPE=ROUTE
(68)	ADDRESS	4	OSPMSA (0)	MAP SET OR PARTNSET ADDRESS
(68)	CHARACTER	8	OSPMSN (0)	MAP SET NAME
(68)	CHARACTER	4	OSPRETID	ROUTE ERROR TERMINAL ID
(6C)	BITSTRING	1	OSPFLAG	PROGRAM SWITCH TPP/TPR
(6D) (70)	CHARACTER CHARACTER	3 2	OSPOC OSPLDM	OPERATOR CLASS LDC OR OUTPARTN LDC MNEMONIC IF LDC ON API, OR OUTPARTN NAME IF LDC NOT
(70)	OHARAOTER	2	OOI LDIW	ON API AND SEND REQUEST, OR INPARTN IF RECEIVE MAP, OR PARTN IF RECEIVE
				PARTN
(72)	BITSTRING	1	OSPLDC	LDC CODE
(73)	CHARACTER	2	OSPREQID	TEMPORARY STORAGE RECOVERY PREFIX
(75)	CHARACTER	2	OSPAPNM	ACTPARTN NAME
(77)	CHARACTER	1 8	OSPAPID OSPFMP	ACTPARTN PID FMHPARM FROM DFHBMS
(78) (80)	CHARACTER CHARACTER	4	OSPMSR	MSR OPTION BYTES
(84)	FULLWORD	4	OSPR14SV	SAVE R14 TPP/TPR
(88)	CHARACTER	4		RESERVED
, ,	1 11		OSPSVEND	"*" END BMS DATA FROM TCA
	11 11		OSPSVLEN	"OSPSVEND-OSPSVDTA" MACRO REQUEST INFORMATION LENGTH
	BUILD AREA FO	R TEMP STOR	RAGE KEYS	
(8C)	CHARACTER	12	OSPTSKEY (0)	TEMP STG KEY OF PAGE OR MCR + CHAIN LEVEL + PAGE NO
(8C)	CHARACTER	8	OSPTSID (0)	TEMPORARY STORAGE KEY OF PAGE OR MACRO
(8C)	CHARACTER	2	OSPTSPFX	T. S. RECOVERY PREFIX
(8E)	BITSTRING	1	OSPTSPID	TEMPORARY STORAGE IDENTIFICATION FOR PAGES
	1111 11.1		OSPBMTSI	"X'FD" BMS TEMPORARY STORAGE GENERIC ID
(8F)	BITSTRING	3	OSPLMID	LOGICAL MESSAGE ID
(92) (93)	CHARACTER BITSTRING	1 1	OSPLMTTS OSPTSQUL	TERMINAL TYPE SUFFIX OF PAGE TEMP STORAGE QUALIFICATION EVEN NO. FOR MCR ODD NO. FOR PAGE QUEUE
(93)	1	'	OSPX01	"X'01" TO CHANGE MCR'S ID TO ONE FOR CORRESPONDING PAGE QUEUE
(94)	BITSTRING	1	OSPPGCN	PAGE CHAIN NUMBER FOR OUTPUT CHAINING
(96)	HALFWORD	2	OSPPGNO	PAGE NUMBER
-	BMS WOR	RK AREAS		
(00)			OODWA DW	DOUBLE WORD WORK AREA
(98)	DBL WORD	8	OSPWADW OSPWAE1	DOUBLE-WORD WORK AREA
(A0) (A4)	FULLWORD FULLWORD	4 4	OSPWAF1 OSPWAF2	FULLWORD WORK AREA FULLWORD WORK AREA
(A4) (A8)	ADDRESS	4	OSPCTTP	ADDRESS OF CURRENTLY ACTIVE TTP
(AC)	ADDRESS	4	OSPDTTP	ADDRESS OF FIRST DIRECT TTP
(B0)	ADDRESS	4	OSPTTP	ADDRESS OF FIRST ROUTING TTP
(B4)	ADDRESS	4	OSPOFTTP	A(TTP DURING PAGEBLD OVERFLOW)
(B8)	ADDRESS	4	OSPDITTP	SAVED A(ORIGINAL DEFAULT TTP)
(BC) (C0)	ADDRESS ADDRESS	4 4	OSPDLTTP OSPTIOA	A(TTP WITH MAPSET'S DEFAULT LOCATION) TIOA ADDRESS
(C0) (C4)	ADDRESS	4	OSPSIOA	REMEMBER WHERE WE GOT USER DATA
(C4) (C8)	ADDRESS	4	OSPTITLE	TITLE RECORD SAVE AREA ADDRESS
(CC)	ADDRESS	4	OSPSREQ	SUSPENDED REQUEST INFORMATION SAVE AREA
(D0)	ADDRESS	4	OSPDWE	DWE ADDRESS
(D4)	ADDRESS	4	OSPDWEOD	DWE FOR EODS ON BATCH LU
(D8)	ADDRESS	4	OSPRETPG	RETURNED PAGE LIST ADDRESS
(DC) (E0)	ADDRESS ADDRESS	4 4	OSPSFWSV OSPPLT1	->ATTR.STRIP 3270E O/B. A(1ST SEGMENT OF PAGE/LDC TABLE)
(E0) (E4)	ADDRESS	4	OSPPLTL	A(1ST SEGMENT OF PAGE/LDC TABLE) A(LAST SEGMENT OF PAGE/LDC TABLE)
(=7)	1.	-T	OSPPLTES	"2" EXTENDED PAGE/LDC TABLE ENTRY SIZE
	1		OSPPLTNE	"128" NUMBER OF ENTRIES IN PAGE/LDC TABLE
	OSPPLTES OSPP	LTNE MUST N	NOT EXCEED 256	
(E8)	ADDRESS	4	OSP_BRIDGE_ FACILITY	
				ADDRESS OF BFB
-			LY IN RLRLDCTT SUBROUTINE	
(EC)	CHARACTER	1 1	OSPWKB1	RLRLDCTT WORK AREA 1
(ED) (EE)	CHARACTER CHARACTER	1 2	OSPWKB2 OSPDELDM	RLRLDCTT WORK AREA 2 DEFAULT LDC MNEMONIC FROM MAP SET
(F0)	CHARACTER	2	OSPETLDC	ERROR TERMINAL'S LDC MNEMONIC
(- 0)		-	- -	"-""

Offset Hex	Туре	Len	Name (Dim)	Description
(F2)	HALFWORD	2	OSPTTCNT	TERMINAL TYPE PARAMETER COUNT
(F4)	HALFWORD	2	OSPTOTPG	TOTAL PAGE COUNT (3601)
(F6)		4	OSPTDEL	INTERVAL OR TIME OF DELIVERY
(FA)	CHARACTER CHARACTER	4 4	OSPDDEL OSPTERID	DATE OF DELIVERY ID OF TERMINAL TO GET ERROR NOTICE
(FE) (102)	CHARACTER	3	OSPOPRCL	OPERATOR CLASS
(105)	BITSTRING	1	OSPIND01	OUTPUT SERVICE PROCESSOR (OSP)
(/	1		OSPOPPND	"X'80" OUTPUT PENDING IN PAGE BUFFERS
	.1		OSPRTE	"X'40" LOGICAL MESSAGE UNDER ROUTE REQUEST
	1		OSPDELI	"X'20" DELIVERY TIME IS INTERVAL
	1		OSPIRPGL OSPLMPB	"X'10" INITIATE RETURN PAGE LIST, IF NECESSARY "X'08" LOGICAL MESSAGE IN PAGEBLD MODE
	1		OSPLMTB	"X'04" LOGICAL MESSAGE IN TEXTBLD MODE
	1.		OSPWAPGO	"X'02" PAGE OVERFLOW IN PROCESS
	1		OSPDWEP	"X'01" DWE PROCESSING IN PROGRESS
(106)	BITSTRING	1	OSPIND02	OSPWA INDICATOR BYTE 02
	1		OSPBMSSM	"X'80" BMS - SYSTEM MESSAGE
	1		OSPPL1 OSPLTA	"X'40" REQUESTING PROGRAM IS PL/I "X'20" LEAVE TCTTEDA - BECAUSE TPP ISSUED WRITE WITHOUT A WAIT
	1		OSPRUWA	"X'10" RESET UWA STRFIELD HAS BEEN USED IN THIS TRANSACTION
	1		OSPSRTA	"X'08" SUCCESSFUL 'RESET TO AUTOMATIC PAGING
	1		OSPLDCOB	"X'04" LDC MNEMONIC ORIGINLY BLANK
	1.		OSPNOMDL	"X'02" DO NOT USE MAPSET DEF LDC
(107)	BITSTRING	1	OSPASCSA OSPIND03	"X'01" USE ALTERNATE SCREEN/PAGE SIZE OSPWA INDICATOR BYTE 03
(107)	1	,	OSPLMLDC	"X'80" LOGICAL MESSAGE USES LDCS
	.1		OSPLMPRT	"X'40" LOGICAL MESSAGE USES PARTITIONS
	1		OSP3270E	"X'20" 3270E INBOUND, SET BY MCP TESTED BY MIN
	1		OSPNDDS	"X'10" DEVICE DEPENDENT SUFFIXING NOT REQD
	1		OSPTRAN OSPDFMAL	"X'08" TIOA ALLOWS FOR TRANS- PARENCY. PASSED BY DFHTOM TO DFHPHP "X'04" PRE 1.6 MAPS ALIGNED
	1.		OSPCUMAL	"X'02" CURRENT MAP IS ALIGNED
	1		OSPNOMAP	"X'01" BYPASS INPUT MAPPING - SET
(108)	BITSTRING	1	OSPIND04	OSPWA INDICATOR BYTE 04
	1		OSPDFHE	"X'80" PRE R1.7 EDF MAP
	.1		OSPNOSC	"X'40" REMOVE SO/SI CHARS IN DATA BY MCP RECEIVE ROUTINE
	1		OSPSOSIM OSPFOLD	"X'20" SO/SI ATTRIBUTE EXISTENCE "X'10" UPPER CASE TRANSLATION NEEDED
	1		OSPUEDIT	"X'08" GLUE can be called
(109)	BITSTRING	1	OSPADISP	CURRENTLY ACTIVE DISPOSITION
(10A)	BITSTRING	1	OSPDDISP	DIRECT (ORIGINATING TERMINAL) DISPOSITION
(10B)	BITSTRING	1	OSPRDISP	ROUTING DISPOSITION
(10C) (10E)	HALFWORD HALFWORD	2 2	OSPMAL OSPDAL	MAP ATTRIBUTE LENGTH DATA STRUCTURE ATTRIBUTE LENGTH
(110)	HALFWORD	2	OSPMHLL	OFFSET TO FIRST MAP FIELD
(112)	BITSTRING	4	OSPPFWRK (0)	PAGE FORMATTING WORK AREA
OSPPF	WRK'S FIELDS ARE	SEQUENC	E SENSITIVE TO THE FIELDS IN TT	PPFWRK
(112)	BITSTRING	1	OSPPFCL	CURRENT LINE POINTER
(113)	BITSTRING	1	OSPPFNFL	NEXT AVAILABLE FULL LINE POINTER
(114)	BITSTRING	1	OSPPFNCL	NEXT AVAILABLE COLUMN FROM LEFT
(115)	BITSTRING	1	OSPPFNCR	NEXT AVAILABLE COLUMN FROM RIGHT
	NAL PAGE RETRIEV	AL PROGRA	AM COMMAND BUILD AREA	Na II
(115) (116)	BITSTRING	1	OSPTPCBA OSPTPCO1	COMMAND BYTE 1
(117)	BITSTRING	1	OSPTPCO2 (0)	COMMAND BYTE 1
(117)	BITSTRING	1	OSPTPPOS	POSITION BYTE (RETRIEVE, PURGE)
(118)	BITSTRING	1	OSPTPCHN	CHAIN NUMBER
(11A)	HALFWORD	2	OSPTPLEN	PAGE NUMBER
-	11.		OSPTPLEN	"*-OSPTPCBA" COMMAND BUILD AREA LENGTH
(44.0)	BMS RETURI	N INFORMAT		Hell
(11A) (11C)	BITSTRING	1	OSPRISTR OSPRC1	RETURN CODE BYTE ONE
(110)	1	'	OSPRF	"X'80" ROUTE FAILED - NO RESOLUTIONS
	.1		OSPRW	"X'40" ROUTE WORKED - SOME RESOLUTIONS
	1		OSPIET	"X'20" INVALID ERROR TERMINAL
	1		OSPMTL	"X'08" MAP TOO LARGE
	1		OSPCBM OSPRPI	"X'04" I/O AREA CANNOT BE MAPPED "X'02" PAGE RETURNED INDICATOR
	1		OSPIR	"X'01" INVALID REQUEST
			OSPNR1	"X'00" NORMAL RESPONSE
(11D)	BITSTRING	1	OSPRC2	RETURN CODE BYTE TWO
	1		OSPTSIOE	"X'80" TEMPORARY STORAGE I/O ERROR
	.1		OSPREQCD	"X'40" REQUEST CHANGE DIRECTION ERROR
	1		OSPUXI OSPIMN	"X'20" UNEXPECTED INPUT "X'10" INVALID LDC MNEMONIC
	1		OSPIPS	"X'08" INVALID EDE MINENOMO "X'08" INVALID PARTITION SET NAME
	1		OSPIPN	"X'04" INVALID PARTITION NAME
	1.		OSPIPF	"X'02" PARTITION FAIL
(4.45)	1		OSPDSS	"X'01" DATASET STATUS CHANGE
(11E)	BITSTRING 1	1	OSPRC3 OSPIGRQI	RETURN CODE BYTE THREE "X'10" SPECIFIED 'REQID' IGNORED
	1		OSPEOC	"X'08" END-OF-CHAIN IN LAST INPUT
	1		OSPEODS	"X'04" END-OF-DATA-SET LAST INPUT

Offset Hex	Туре	Len	Name (Dim)	Description
	1.		OSPIFH	"X'02" INBOUND FMH IN LAST INPUT
(11F)	1 BITSTRING	1	OSPOI OSPRI1	"X'01" PAGEBLD OVERFLOW INDICATOR RETURN INFORMATION BYTE ONE IF INVMPSZ THEN OSPRI1 CONTAINS TERMINAL
(420)	DITETRING	4	OCDDOF (0)	CODE (TC)
(120) (120)	BITSTRING BITSTRING	4 2	OSPPOF (0) OSPPGN	PAGEBLD OVERFLOW INFORMATION CURRENT PAGE NUMBER
(122)	BITSTRING	2	OSPOCN	OVERFLOW CONTROL NUMBER
(122)	1		OSPCRIE	"*" END TCA CONTIG RETURN INFO
(124)	1 CHARACTER	2	OSPCRIL OSPMSLDM	"OSPCRIE-OSPRISTR" CONTIG RETURN INFO LENGTH PARTNPAGE/LDC MNEMONIC
(126)	BITSTRING	1	001 m025m	RESERVED
(126)	1 11		OSPRIEND	###
-	1.11 REGISTER SAV		OSPRILEN	"OSPRIEND-OSPRISTR" BMS RETURN INFORMATION LENGTH
(400)				APPLICATION PROCESSA PROJECTED CAVE APPLA
(128) (160)	FULLWORD FULLWORD	4 4	OSPRSA (14) OSPCPSA (14)	APPLICATION PROGRAM REGISTER SAVE AREA BMS CONTROL PROGRAM REGISTER SAVE AREA
(198)	CHARACTER	256	OSPTRTWA	TRT TABLE & WORK AREA
	ORK AREAS AND ST AGE OR PURGE MES		WHICH IS NOT CLEARED ON	SEND
(298)	FULLWORD	4	OSPLBR6	R6 VALUE AT LAST BLANK
(29C)	FULLWORD	4	OSPLBR8	R8 VALUE AT LAST BLANK
(2A0)	FULLWORD	4	OSPLBR9	R9 VALUE AT LAST BLANK
(2A4) (2A5)	BITSTRING BITSTRING	1 3	OSPLBNCL	NEXT AVAILABLE COL FROM LEFT AT LAST BLANK RESERVED
(2A8)	ADDRESS	4	OSPCPSTP	ADDRESS OF INCORE PARTITION SET
(2AC)	CHARACTER	2	OSPINPNM	NAME OF ACTUAL INPUT PARTITION
(2AE) (2AF)	CHARACTER CHARACTER	1 1	OSPINPID OSPRCODE	PID OF ACTUAL INPUT PARTITION DFHPH RETURN CODE VALUE
(2B0)	HALFWORD	2	OSPRCVCT	RECEIVE MAP COUNT FOR EXPECTED INPUT PARTITION TRAP
(2B2)	CHARACTER	1	OSPXIPID	PID OF EXPECTED INPUT PARTITION
(2B4) (2B8)	ADDRESS FULLWORD	4 4	OSPMCPIN OSPMLRG (8)	DFHMCPIN ENTRY ADDRESS REGISTER SAVE AREA FOR ML1 SORT
(2D8)	ADDRESS	4	OSPMLNL	ADDR OF ML1 NEW LINE CHARACTER
(2DC)	ADDRESS	4	OSPMLTV	ADDRESS OF VERTICAL TABRACK
(2E0) (2E4)	ADDRESS BITSTRING	4 1	OSPMLTH OSPMLCO	ADDRESS OF HORIZONTAL TABRACK ML1 SAVE COLOR ATTRIBUTE
(2E5)	BITSTRING	1	OSPMLPS	RESERVED
(2E6)	BITSTRING	1	OSPMLSW	ML1 FLAGS
	1 .1		OSPMLVB OSPMLHB	"X'80"" VERTICAL TABS USED "X'40"" HORIZONTAL TABS USED
(2E7)	BITSTRING	1	OSPMLFR	ML1 SAVE OUTLINE ATTRIBUTE
(2E8)	ADDRESS	4	OSPMCBSV	MCB SAVE ADDRESS
(2EC) (2EE)	HALFWORD CHARACTER	2 2	OSPMCAAP OSPTPPID	OFFSET IN MCB OF APPLICATION PSET INPUT PID FOR TPR
(2F0)	HALFWORD	2	OSPTPTDL	INPUT DATA LENGTH (LESS 3270E INBOUND CONTROLS) FOR TPR
(2F4)	ADDRESS	4	OSPTPUDA	ADDRESS OF TPR INPUT DATA
(2F8) (2F9)	CHARACTER CHARACTER	1 1	OSPTPAID OSPETBSV	TPR INPUT AID SAVED IN TOM ATTR.STRIP
(2FA)	CHARACTER	2	OSPCPRTN	LAST PARTN= SLOT_VALUE
(2FC)	ADDRESS	4	OSPTOPTR	PTR-> INPUT MAPPING TIOA IN M32
(300) (304)	ADDRESS ADDRESS	4 4	OSPCROSP OSPOVTTP	A(SAVED OSPWA), IF TPR USES BMS WHILE CTRL=RETAIN OVERFLOW TTP
(304)	ADDRESS	4	OSPSVTTP	REQUEST TTP WHILE OFTTP IS CURRENT.
(30C)	CHARACTER	12	OSPLBXA (0)	
(30C)	BITSTRING	5 7	OSPLBX	EXTENDED ATTR VALUES AT BLANK
(311) (318)	BITSTRING FULLWORD	4	OSPDCRSA (6)	RESERVED DOMAIN CALL REGISTER SAVE AREA
(330)	HALFWORD	2	OSPCUAMC	MODIFIED CURSOR POSITION
(332)	BITSTRING 1	1	OSPCUA OSPCUACL	FLAG BYTE FOR CUA SUPPORT "X'80" INDICATES CURSOR LOCATED
	.1		OSPCUAEP	"X'40" INDICATES END OF CUA PROCESSING
	1		OSPCUASR	"X'20" INDICATES SHORT READ
The follo	1 owing area accumulat	oo 2270 data	OSPCUAIF	"X'10" INDICATES CUR IN THIS FLD
	owing area accumulat BMS global user exits		i liela information	
Changes	s to this area must be	reflected in	DFHMCPE & DFHXBMDS	
(334)	HALFWORD	2	BMXMAPCT	count of fields in map(s)
(336)	HALFWORD	2	BMXCOUNT	count of fields passed to GLUE for this request
(338) (33C)	HALFWORD ADDRESS	2 4	BMXINDEX BMXARRAY	index to VALIDN attr value address of field info array
(340)	ADDRESS	4	BMXNEXT	address of next element
(344)	HALFWORD	2	BMXELEM (0)	field info element
(344) (34C)	CHARACTER CHARACTER	8 7	BMXMAPST BMXMAP	mapset name map name
(353)	BITSTRING	1	BMXFDFB	field data flag byte
(354)	HALFWORD	2	BMXMAPLN	length of field in map
(356) (358)	HALFWORD ADDRESS	2 4	BMXACTLN BMXDATA	length of data recvd/sent address of field in TIOA
(35C)	ADDRESS	4	BMXATTR	address of attrs in TIOA
(360)	HALFWORD	2	BMXMAPOF	offset of field in MAP
(362)	HALFWORD	2	BMXBUF BMXLEN	offset of field in buffer "*-BMXELEM" length of element
	11		BMXVAR	"*-BMXFDFB" length of variable info
				•

Offset Hex	Туре	Len	Name (Dim)	Description
(364)	CHARACTER	1	BMXINTAB (8)	internal array
(364)			OSPEND	"*" OSPWA END
(364)			OSPLEN	"OSPEND-OSPSTART" LENGTH OF OSPWA

PCE Program control EXEC argument list

```
CONTROL BLOCK NAME = DFHPCEDS
DESCRIPTIVE NAME = CICS Program Control EXEC argument list
PROGRAMMING INTERFACES
  The following fields are part of the Product-sensitive
  Programming Interface.
        PC_ADDR0
        PC_ADDR1
        PC_ADDR2
        PC_ADDR3
        PC_ADDR4
        PC ADDR5
        PC_ADDR6
        PC_ADDR7
        PC_ADDR8
        PC_GROUP
        PC_FUNCT
        PC_BITS1
        PC EIDOPT5
        PC_EIDOPT6
        PC_PROGRAM
        PC_LENGTH
        PC_INPUTMSGLEN
        PC_DATALENGTH
        \mathsf{PC\_SYSID}
        PC TRANSID
   All equates for values of EIBRCODE, EIBRESP and EIBRESP2
   form part of the General-purpose Programming Interface.
   To define fields that may be of use to Program Control
   User Exits:-
    (1) The Command Level Parameter List.
    (2) EIBRCODE, EIBRESP and EIBRESP2 values.
    (3) The application environment indicators
   On entry to the XPCREQ and XPCREQC User exits, the EXEC
   parameter list is pointed to by UEPCLPS. The EXEC
   parameter list for program control consists of up to nine
   addresses.
   The nine addresses are defined by PC_ADDR0 to PC_ADDR8.
   This DSECT defines PC_ADDR0 to PC_ADDR8 and the areas
   that they point to.
   On entry to the XPCREQ and XPCREQC user exits, the copy
   of EIBRCODE is pointed to by UEPRCODE, the copy of EIBRESP
   is pointed by UEPRESP and the copy of EIBRESP2 is pointed
   to by UEPRESP2.
   The address of an application environment flag byte pointed
   to by UEPINDS is also passed to the user exit program. It
   contains flags which are mapped by the PC_INDS DSECT. These
   flags allow the exit program to decide whether the user
   application can access storage above or below the 16M line
   and which key such storage should be in, CICS or USER.
   This copybook also contains equates for values of EIBRCODE.
   EIBRESP and EIBRESP2 used by Program Control.
LIFETIME = Lifetime of the PC command request
STORAGE CLASS = As some of the storage being mapped is the
        translated source in the user's application program,
        the storage may be either above or below the line.
LOCATION = (1) EXEC Parameter List is addressed by UEPCLPS.
        (2) Fields copied from the EIB are addressed by
           UEPRCODE, UEPRESP and UEPRESP2.
        (3) The exit token is addressed by UEPCCTOK
INNER CONTROL BLOCKS =
   PC_ADDR_LIST declares the EXEC addresses
   PC_EID defines Argument 0 pointed to by PC_ADDR0
NOTES
DEPENDENCIES = S/370 ESA
RESTRICTIONS = None
MODULE TYPE = Control Block definition
  The Command Parameter List
PC_ADDR_LIST defines nine addresses, that form the EXEC
parameter list for Program Control.
In addition, PC_ADDR1 to PC_ADDR8 may be modified by a user exit.
Any attempt to modify PC_ADDR0 will be ignored.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			PC_ADDR_LIST	EXEC Parameter List
(0)	ADDRESS	4	PC_ADDR0	Address 0
(4)	ADDRESS	4	PC_ADDR1	Address 1
(8)	ADDRESS	4	PC_ADDR2	Address 2
(C)	ADDRESS	4	PC_ADDR3	Address 3
(10)	ADDRESS	4	PC_ADDR4	Address 4
(14)	ADDRESS	4	PC_ADDR5	Address 5
(18)	ADDRESS	4	PC_ADDR6	Address 6
(1C)	ADDRESS	4	PC_ADDR7	Address 7
(20)	ADDRESS	4	PC_ADDR8	Address 8

PC_EID defines:

- (1) The type of request
 (2) Existence bits indicating which addresses in the EXEC Parameter List are valid.

- (3) Bits to indicate the keywords specified.
- PC_ADDR0 contains the address of PC_EID.

The following bits may be modified in a Program Control user exit.

(1) Existence bits PC_EXIST2,
PC_EXIST3,
PC_EXIST4,

PC_EXIST5, PC_EXIST6,

PC_EXIST7 and

PC_EXIST8.

(2) The keyword descriptor PC_SYNCONRET_X.
Any attempt to modify any other part of PC_EID will be ignored.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			PC EID	Argument 0 for Program Control
(0)	CHARACTER	1	PC_GROUP	Group Code
. ,	111.		PC_PROGRAM_GRP	"X'0E" All Program Control Requests have group code '0E'
(1)	CHARACTER	1	PC_FUNCT	Function Code
	1.		PC_LINK	"X'02" LINK Request
in t For is s	he EXEC parameter I	ist. 1 should no	e bits for the addresses It be used unless PC_EXIST1 no existence bit.	
(2)	BITSTRING	1	PC BITS1	First 8 existence bits
(2)	1	· ·	PC EXIST1	"X'80" PC ADDR1 is valid if the command specifies PROGRAM.
	.1		PC_EXIST2	"X'40" PC_ADDR2 is valid if the command specifies COMMAREA. This bit may be modified by a user exit.
	1		PC_EXIST3	"X'20" PC_ADDR3 is valid if the command specifies LENGTH. This bit may be modified by a user exit.
	1		PC_EXIST4	"X'10"" PC_ADDR4 is valid if the command specifies INPUTMSG. This bit may be modified by a user exit.
	1		PC_EXIST5	"X'08" PC_ADDR5 is valid if the command specifies INPUTMSGLEN. This bit may be modified by a user exit.
	1		PC_EXIST6	"X'04" PC_ADDR6 is valid if the command specifies DATALENGTH. This bit may be modified by a user exit.
	1.		PC_EXIST7	"X'02" PC_ADDR7 is valid if the command specifies SYSID. This bit may be modified by a user exit.
	1		PC_EXIST8	"X'01" PC_ADDR8 is valid if the command specifies TRANSID. This bit may be modified by a user exit.
(3)	BITSTRING	1		Reserved
The	e next byte is reserve	d.		
(4)	BITSTRING	1		Reserved
For inc set	r example, if PC_SYN luded the SYNCONRI	CONREŤ_) ETURN key	ords on the command (is set on, the command word. If PC_SYNCONRET_X is the SYNCONRETURN	
(5)	BITSTRING	1	PC EIDOPT5	Options Byte 1
(6)	BITSTRING	1	PC EIDOPT6	Options byte 2
,	1		PC_SYNCONRET_X	"X'80" SYNCONRETURN specified

The following definitions define the variables addressed by the remainder of the EXEC parameter list PC_ADDR1 addresses program name

Offset Type Len Name (Dim) Description Hex

(0)PC DATA1 Addressed by PC_ADDR1 CHARACTER 8 PC_PROGRAM (0)program name

PC_ADDR2 addresses the COMMAREA whose length is given

in PC_ADDR3 PC_ADDR3 addresses the length of the COMMAREA

Offset Type Len Name (Dim) Description

Hex PC_DATA3 Addressed by PC_ADDR3 (0)HALFWORD 2 PC_LENGTH Value of LENGTH (0)

PC_ADDR4 addresses the INPUTMSG whose length is given

in PC ADDR5

PC_ADDR5 addresses the length of the INPUTMSG

Offset Name (Dim) Type Len Description

Hex (0)

PC_DATA5 Addressed by PC_ADDR5 (0) HALFWORD 2 PC_INPUTMSGLEN Area for LENGTH of INPUTMSG

PC_ADDR6 addresses length of COMMAREA to be sent

Offset Type Len Name (Dim) Description Hex

(0)PC_DATA6 Addressed by PC_ADDR6 (0) HALFWORD 2 PC_DATALENGTH Area For DATALENGTH

PC_ADDR7 addresses SYSID

Offset Name (Dim) Description Type Len

Hex (0) PC_DATA7

Addressed by PC_ADDR7

"X'D0"

"X'F1'"

(0) CHARACTER PC_SYSID Area For SYSID

PC_ADDR8 addresses TRANSID

Offset Туре Name (Dim) Description Len Hex

(0) PC_DATA8 Addressed by PC_ADDR8 (0) CHARACTER PC_TRANSID Area For TRANSID

Start of general use programming interface. EIBRCODE, EIBRESP and EIBRESP2

Equates for EIBRCODE values used by Program Control

(4) **BITSTRING** 6 PC_OK_EIBRCODE OK PC_PGMIDERR_ EIBRCODE "X'01'"

PC_SYSIDERR_ EIBRCODE 11.1

111. PC_INVREQ_ EIBRCODE "X'E0'" 111. ...1 PC_LENGERR_ EIBRCODE "X'E1'" 1111 ...1 PC_TERMERR_ EIBRCODE

Equates for EIBRESP values used by Program Control

PC_OK_EIBRESP

...1 PC_INVREQ_ EIBRESP "16" invalid request ...1 .11. PC_LENGERR_ EIBRESP "22" length error

Offset Hex	Туре	Len	Name (Dim)	Description
IIOX	1	1.11	PC_PGMIDERR_ EIBRESP	
	11	1 1		"27" program id error
	••11	.1.1	PC_SYSIDERR_ EIBRESP	"53" system id error
	.1	.11.	PC_NOTAUTH_ EIBRESP	"70" not authorised
	.1.1	1	PC_TERMERR_ EIBRESP	"81" terminal error
Equate	s for EIBR	ESP2 values used by F	Program Control	
			PC_OK_EIBRESP2 PC_PGMIDERR_	"0" OK
	••••	••••	1_EIBRESP2	
				"1" PPT entry not located
	••••	1.	PC_PGMIDERR_ 2_EIBRESP2	
				"2" program disabled
	••••	11	PC_PGMIDERR_ 3_EIBRESP2	
			O_LIBITEOL Z	"3" program not found in load library
	• • • •	1	PC_INVREQ_ 1_EIBRESP2	
		1 11	PC_LENGERR_	"8" INPUTMSG without terminal
	••••	1.11	1 EIBRESP2	
				"11" LENGTH < 0
	• • • • •	11	PC_LENGERR_	
			2_EIBRESP2	MADI DATAL FRICTLE . O
		11.1	PC LENGERR	"12" DATALENGTH < 0
			3_EIBRESP2	
				"13" DATALENGTH > LENGTH
	• • • •	111.	PC_INVREQ_ 2_EIBRESP2	"14" SYNCONRETURN invalid
		1111	PC_INVREQ_ 3_EIBRESP2	14 STNOONILTORN IIIvaliu
				"15" TRANSID invalid
	1	••••	PC_INVREQ_ 4_EIBRESP2	
	1	ĺ	PC_TERMERR_	"16" TRANSID blank
	••••	••••	1_EIBRESP2	
				"17" TERMERR raised
	1	1.	PC_SYSIDERR_	
			1_EIBRESP2	HACH CVCIDEDD
	1	11	PC_INVREQ_ 5_EIBRESP2	"18" SYSIDERR raised
		****	. 5	"19" INPUTMSG specified on DPL request
	1	.1	PC_SYSIDERR_	· · · · · · · · · · · · · · · · · · ·
			2_EIBRESP2	MONE DDL and supported access LHO 4
	.11.	1.1	PC_NOTAUTH_	"20" DPL not supported over LU6.1
	.11.	****	1_EIBRESP2	
				"101" resource security check failed
End of	general us	se programming interfac	ce.	

PCUES Program control user exits DSECT

CONTROL BLOCK NAME = DFHPCUES DESCRIPTIVE NAME = CICS Program control user exits DSECT This data block describes the fields passed to the program control user exits XPCFTCH, XPCTA and XPCHAIR. The storage is acquired, and the fields filled, in DFHLI1. LIFETIME = The storage area is created when an enabled program control exit is called and released when control is returned from the exit to program control. LOCATION = The storage is in GETMAINed in DFHLI1. INNER CONTROL BLOCKS = none NOTES: DEPENDENCIES = S/370 RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = none DATA AREAS = none CONTROL BLOCKS = none GLOBAL VARIABLES (Macro pass) = none

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	60	DFHPCUES	program conrol user exits work area
(0)	HALFWORD	2	PCUE_LENGTH_	
			OF_DSECT	
(2)	BITSTRING	1	PCUE_CONTROL_ BITS	
	1		PCUECBTE	task has a terminal id
	.1		PCUENOTX	program is not EXEC level
	11 1111		*	reserved
(3)	BITSTRING	1	*	reserved
(4)	CHARACTER	3	PCUE_TASK_NUMBER	task identification number
(7)	CHARACTER	1	*	reserved
(8)	CHARACTER	4	PCUE_TRANSACTION_ ID	
				Transaction ID
(C)	CHARACTER	4	PCUE_TERMINAL_ID	Terminal ID
(10)	CHARACTER	8	PCUE_PROGRAM_ NAME	Program name
(18)	CHARACTER	3	PCUE_PROGRAM_	
			LANGUAGE	
				Program language
(1B)	CHARACTER	1	*	reserved
(1C)	ADDRESS	4	PCUE_LOAD_POINT	Program load address
(20)	ADDRESS	4	PCUE_ENTRY_POINT	Program entry point addr
	1		PCUEAMOD	AMODE (31)
(20)	BITSTRING	3	*	
(24)	FULLWORD	4	PCUE_PROGRAM_ SIZE	Program size
(28)	ADDRESS	4	PCUE_COMMAREA_	
			ADDRESS	
				Commarea address, if any
(2C)	FULLWORD	4	PCUE_COMMAREA_ SIZE	Commarea size
(30)	FULLWORD	4	PCUE_LOGICAL_ LEVEL	chained DFHRSADS
(34)	ADDRESS	4	PCUE_BRANCH_ ADDRESS	
				Alternate branch address
	1		PCUE_BRANCH_ AMODE	AMODE of program at branch
(34)	BITSTRING	3	*	
(38)	BITSTRING	1	PCUE_BRANCH_ EXECKEY	
				Execution key to be used at modified address
(39)	CHARACTER	3	*	Reserved

Len	Type	Value	Name	Description
1	HEX	80	PCUE_BRANCH_USER	User Key, for XPCTA
1	HEX	40	PCUE_BRANCH_CICS	CICS Key, for XPCTA

Monitoring performance data record **PDA**

```
CONTROL BLOCK NAME = DFHMNPDA
DESCRIPTIVE NAME = CICS CICS/ESA Monitoring Facility (CMF)
FUNCTION =
    This DSECT describes the format of the CICS/ESA Monitoring
    Facility (CMF) Performance class record created by the
LIFETIME = N/A
STORAGE CLASS = N/A
LOCATION = N/A
INNER CONTROL BLOCKS = N/A
NOTES:
 DEPENDENCIES = S/370
  RESTRICTIONS = None
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
  DATA AREAS = N/A
  CONTROL BLOCKS = N/A
  GLOBAL VARIABLES (Macro pass) = N/A
```

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)			DFHMNPDA	. Unloaded Performance Data Record	
(0)	CHARACTER	8	PDRJOBNM	Johname	
(8)	CHARACTER	8	PDRGAPPL	Generic Applid	
(10)	CHARACTER	8	PDRSAPPL	Specific Applid	
(18)	CHARACTER	4	PDRSID	System identification	
(1C)	BITSTRING	2	PDRRVN	Record version - x'0vrm'	
(1E)	BITSTRING	2	PDRMFL	Record maintenance indicator	
(20)	BITSTRING	4		Reserved - spare	
(24)	BITSTRING	2	PDRCLASS	Performance record class	
(26)	BITSTRING	10	PDRSRTKY (0)	Cross system report sort key	
(26)	BITSTRING	2	PDRSEQNO (Syncpoint sequence number	
(28)	BITSTRING	8	PDRDETT2	Transaction stop time	
(30)		4	PDRDATE	Stop Date (unsigned packed)	
(34)	BITSTRING	4	PDRTIME	Stop Time (binary)	
(38)	BITSTRING	4	PDRRESP	RESPonse Time (stop - start)	
(3C)	BITSTRING	4	PDRIRESP	IRESPonse Time (resp - tciowtt)	
(40)	BITSTRING	4		Spare - reserved	
(44)	BITSTRING	22	PDRDB2TK	DB2 Accounting Correlation Token	
(5A)	BITSTRING	2		Spare - reserved	

The follo	The following fields are positionally sensitive.					
(5C)	FULLWORD	4	PDRBEGIN (0)			
(5C)	CHARACTER	4	PDRTRID	Transaction identification		
(60)	CHARACTER	4	PDRTEID	Terminal identification		
(64)	CHARACTER	8	PDRUSID	PDRUSID User identification		
(6C)	CHARACTER	2	PDRTRTY	Transaction start type		
(6E)	BITSTRING	2		Reserved		
(70)	BITSTRING	8	PDRATTT	Task start time		
(78)	BITSTRING	8	PDRDETT	Task stop time		
(80)	BITSTRING	4	PDRTRSN	Transaction sequence number		
(84)	BITSTRING	3		Reserved		
(87)	BITSTRING	1	PDRTPRI	Transaction priority		
(88)	CHARACTER	8	PDRTCLSN	Transaction class name		
(90)	CHARACTER	8	PDRLUNM	VTAM logical unit name		
(98)	CHARACTER	8	PDRPGNM	First program name Originating Network Unit-of-Work Id		
(A0)	CHARACTER	20	PDRNETPX	Network Unit-of-Work Netname		
(B4)	BITSTRING	8	PDRNETSX	Network Unit-of-Work Instance/Seqno		
(BC)	CHARACTER	4	PDRRSYS	Remote sysid routed to		
(C0)	BITSTRING	4	PDRPRCNT	Performance record count		
(C4)	BITSTRING	8	PDRRMUOW	Recovery Manager Unit-of-Work id		
(CC)	CHARACTER	8	PDRSRVCL	Workload Manager service class name		
(D4)	CHARACTER	8	PDRRPTCL	Workload Manager report class name		
(DC)	BITSTRING	4	PDRFCTY	FCTYNAME - Transaction Facility name		
(E0)	BITSTRING	8	PDRTRFLG (0)	TRANFLAG - Transaction Flags		
(E0)	BITSTRING	1	PDRTRFL1	Transaction Flag 1		
	1		PDRTRFL1_NONE	"X'80'" None		
	.1		PDRTRFL1_TERM	"X'40" Terminal Facility		
	1		PDRTRFL1_SURR	"X'20" Surrogate Terminal Facility		
	1		PDRTRFL1_DEST	"X'10" Destination Facility		
	1		PDRTRFL1_BRDG	"X'08" Bridge Facility EQU X'04' Reserved EQU X'02' Reserved EQU X'01' Reserved		

Offset	Туре	Len	Name (Dim)	Description
Hex	DITOTOINO		DDDTDEL 0	Toronoution Flow 0
(E1)	BITSTRING 1	1	PDRTRFL2 PDRTRFL2_SYSTEM	Transaction Flag 2 "X'80" System Transaction
	.1		PDRTRFL2_MIRROR	"X'40" Mirror Transaction
	1		PDRTRFL2_DPL	"X'20" Mirror Transaction - DPL
	1		PDRTRFL2_ONC_RPC	"X'10" Alias Transaction - ONC/RPC
	1		PDRTRFL2_WEB	"X'08" Alias Transaction - WEB
	1		PDRTRFL2_BRIDGE PDRTRFL2_ RUN_TRAN	"X'04" Bridge Transaction EQU X'02' Reserved "X'01" BTS Run Transaction
(E2)	BITSTRING	1	PDRTRFL3	Transaction Flag 3
	1		PDRTRFL3_RPT	"X'80" WLM Report
	.1 1		PDRTRFL3_NTFY_COMP PDRTRFL3_NTFY	"X'40" WLM Notify - Completion "X'20" WLM Notify
(E3)	BITSTRING	1	PDRTRFL4	Transaction Flag 4
	1		PDRTRFL4_ LOC_BELOW	"X'80" Taskdataloc=below
	.1		PDRTRFL4_ CICS_KEY PDRTRFL4_ISOLATE_NO	"X'40" Taskdatakey=cics
			FBICTICLE 130LATE_NO	"X'20" Isolate=no
	1		PDRTRFL4_DYNAMIC	"X'10" Dynamic=yes EQU X'08' Reserved EQU X'04' Reserved EQU X'02' Reserved EQU
(E4)	DITETRING	4	DDDTDELE	X'01' Reserved
(E4) (E5)	BITSTRING BITSTRING	1 1	PDRTRFL5 PDRTRFL6	Transaction Flag 5 - Reserved Transaction origin type Transaction Flag 6 - Reserved
(E6)	BITSTRING	1	PDRTRFL7	Transaction Flag 7 - Reserved
(E7)	BITSTRING	1	PDRTRFL8	Transaction Flag 8
	1		PDRTRFL8_WAIT_NO PDRTRFL8 COMMIT	"X'80" Indoubt wait = no "X'40" Indoubt action = commit
	1		PDRTRFL8_ INDOUBT_ACT	A 40 Indoubt action – commit
				"X'20" UOW Indoubt action
	1 1		PDRTRFL8_ UOW_SHUNT	"X'10" UOW Shunt
	1		PDRTRFL8_ UOW_UNSHUNT	
			5511_5115115111	"X'08" UOW Unshunt
	1		PDRTRFL8_ INDBT_FAIL	
	1.		PDRTRFL8_ RO_FAILURE	"X'04" Indoubt failure
			FDKTKI EG_ KO_I AILOKE	"X'02" Resource Owner failure EQU X'01' Reserved
(E8)	BITSTRING	4	PDRTEINF (0)	TERMINFO - Terminal Information
(E8)	BITSTRING	1	PDRNATUR	Nature
	1		PDRNATUR_ NOTAPPLIC PDRNATUR_ TERMINAL	"X'00" Not applic "X'01" Terminal
	1.		PDRNATUR_SESSION	"X'02" Session
(E9)	BITSTRING	1	PDRSESST	Session Type
	1		PDRSESST_ NOTAPPLIC PDRSESST_IRC	"X'00" Not applic "X'01" IRC
	1.		PDRSESST_IRC_XM	"X'02" IRC XM
	11		PDRSESST_IRC_XCF	"X'03"" IRC XCF
	1		PDRSESST_LU61	"X'04" LU61
	11.		PDRSESST_ LU62_SING PDRSESST_ LU62_PARA	"X'05" LU62 SINGLE "X'06" LU62 PARALLEL
(EA)	BITSTRING	1	PDRACMTH	Access method
			PDRACMTH_ NOTAPPLIC	"X'00" Not applic
	1		PDRACMTH_VTAM PDRACMTH_BTAM	"X'01" VTAM "X'02" BTAM
	11		PDRACMTH_BSAM	"X'03" BSAM
	1		PDRACMTH_TCAM	"X'04'" TCAM
	1.1		PDRACMTH_TCAMSNA PDRACMTH_BGAM	"X'05" TCAMSNA "X'06" BGAM
	111		PDRACMTH_BGAM PDRACMTH_CONSOLE	"X'07" CONSOLE
(EB)	BITSTRING	1	PDRDVTCD	Device type code See TYPETERM RDO attribute
(EC)	CHARACTER	4	PDRTECNM	TERMCONM - Terminal Connection name
(F0) (F4)	CHARACTER BITSTRING	4 16	PDRBTRID PDRURID	BRDGTRAN - Bridge transaction id RRMSURID - RRMS/MVS Unit of Recovery
(104)	CHARACTER	36	PDRPNAME	PRCSNAME - Process name
(128)	CHARACTER	8	PDRPTYPE	PRCSTYPE - Process type
(130) (164)	CHARACTER CHARACTER	52 52	PDRPRCID PDRACTID	PRCSID - Process id ACTVTYID - Activity id
(198)	CHARACTER	16	PDRACTNM	ACTVTYNM - Activity name
(1A8)	CHARACTER	16	PDRCIPAD	CLIPADDR - Client IP Address
(1B8) (1D4)	BITSTRING BITSTRING	28 4	PDRTGPID PDRERROR	TRNGRPID - Transaction Groupd Id TASKFLAG - Transaction error flags
(1D4) (1D8)	CHARACTER	4	PDRABCDO	Original Transaction abend codes
(1DC)	CHARACTER	4	PDRABCDC	Current Transaction abend code
(1E0)	BITSTRING CHARACTER	3 1	DDDDTVDE	Reserved Performance record type
(1E3)	1111	1	PDRRTYPE PDRRTYPE_ CONVERSE	"C'C" Converse
	111		PDRRTYPE_DELIVER	"C'D" Deliver
	1111.		PDRRTYPE_FREQUENCY	"C'F" Frequency
	1111. 11111		PDRRTYPE_ SYNCPOINT PDRRTYPE_ TERMINATE	"C'S" Syncpoint "C'T" Terminate
(1E4)	BITSTRING	4	PDRPINMC	Primary TC messages - in
(1E8)	BITSTRING	4	PDRTCI1C	Primary TC characters - in
(1EC) (1F0)	BITSTRING BITSTRING	4 4	PDRPOUMC PDRTCO1C	Primary TC messages - out Primary TC characters - out
(1F0) (1F4)	BITSTRING	4	PDRSINMC	Secondary TC messages - in
(1F8)	BITSTRING	4	PDRTCI2C	Secondary TC characters - in
(1FC) (200)	BITSTRING	4 4	PDRSOUMC PDRTCO2C	Secondary TC messages - out Secondary TC characters - out
(200)	BITSTRING	4	I DINTOUZU	Secondary 10 Grandelers - Out

Offset Hex	Туре	Len	Name (Dim)	Description
(204)	BITSTRING	4	PDR62IMC	Secondary TC msgs for LU6.2 in
(208)	BITSTRING	4	PDR62ICH	Secondary TC chars for LU6.2 in
(20C)	BITSTRING	4	PDR62OMC	Secondary TC msgs for LU6.2 out
(210)	BITSTRING	4	PDR62OCH	Secondary TC chars for LU6.2 out
(214)	BITSTRING	4	PDRTAC	No. TCTTE allocate requests
(218)	BITSTRING	4	PDRSCUGB	User stg getmain count below 16M
(21C)	BITSTRING	4	PDRSCUGA	User stg getmain count above 16M
(220)	BITSTRING	4 4	PDRSCCGB	CDSA stg getmain count below 16M
(224)	BITSTRING BITSTRING	4	PDRSCCGA PDRUSHWB	ECDSA stg getmain count above 16M User task storage HWM below 16M
(228) (22C)	BITSTRING	4	PDRUSHWA	User task storage HWM above 16M
(230)	BITSTRING	4	PDRCHWMB	CDSA storage HWM below the 16M
(234)	BITSTRING	4	PDRCHWMA	ECDSA storage HWM above the 16M
(238)	BITSTRING	8	PDRUTSOB	User task stg "occupancy" below 16M
(240)	BITSTRING	8	PDRUTSOA	User task stg "occupancy" above 16M
(248)	BITSTRING	8	PDRCOCCB	CDSA storage "occupancy" below 16M
(250)	BITSTRING	8	PDRCOCCA	ECDSA storage "occupancy" above 16N
(258)	BITSTRING	4	PDRSC24S	Shared stg getmain count below 16M
(25C)	BITSTRING	4	PDRSC24G	Shared stg bytes getmain'd
(260)	BITSTRING	4	PDRSC24F	Shared stg bytes freemain'd
(264)	BITSTRING	4	PDRSC31S	Shared stg getmain count above 16M
(268)	BITSTRING	4	PDRSC31G	Shared stg bytes getmain'd
(26C)	BITSTRING	4	PDRSC31F	Shared stg bytes freemain'd
(270)	BITSTRING	4 4	PDRPCUSE	Program storage HWM
(274)	BITSTRING BITSTRING	4	PDRPC31A PDRPCUSB	Program storage HWM above 16M Program storage HWM below 16M
(278) (27C)	BITSTRING	4	PDRPCCAH	ECDSA CICS program storage HWM
(280)	BITSTRING	4	PDRPCCBH	CDSA CICS program storage HWM
(284)	BITSTRING	4	PDRPCRAH	ERDSA R/O program storage HWM
(288)	BITSTRING	4	PDRPCRBH	RDSA R/O program storage HWM
(28C)	BITSTRING	4	PDRPCSAH	ESDSA Shared program storage HWM
(290)	BITSTRING	4	PDRPCSBH	SDSA Shared program storage HWM
(294)	BITSTRING	4	PDRFCGC	No. file gets
(298)	BITSTRING	4	PDRFCPC	No. file puts
(29C)	BITSTRING	4	PDRFCBC	No. file browses
(2A0)	BITSTRING	4	PDRFCAC	No. file adds
(2A4)	BITSTRING	4	PDRFCDC	No. file deletes
(2A8)	BITSTRING	4	PDRFCTC	Total FC requests
(2AC)	BITSTRING	4	PDRFCAMC	No. access method requests
(2B0)	BITSTRING	4	PDRTDGC	No. transient data gets
(2B4)	BITSTRING	4	PDRTDPC	No. transient data puts
(2B8)	BITSTRING BITSTRING	4 4	PDRTDRC PDRTDTC	No. transient data purges
(2BC) (2C0)	BITSTRING	4	PDRTSGC	Total TD requests No. temp storage gets
(2C4)	BITSTRING	4	PDRTSPAC	No. temp storage gets No. temp storage puts - aux
(2C8)	BITSTRING	4	PDRTSPMC	No. temp storage puts - main
(2CC)	BITSTRING	4	PDRTSTC	Total TS requests
(2D0)	BITSTRING	4	PDRBMMC	No. BMS map requests
(2D4)	BITSTRING	4	PDRBMIC	No. BMS in requests
(2D8)	BITSTRING	4	PDRBMOC	No. BMS out requests
(2DC)	BITSTRING	4	PDRBMTC	Total BMS requests
(2E0)	BITSTRING	4	PDRPCLIC	No. program links
(2E4)	BITSTRING	4	PDRPCXC	No. program xctls
(2E8)	BITSTRING	4	PDRPCLOC	No. program loads
(2EC)	BITSTRING	4	PDRPCLUC	No. program links to URMs
(2F0)	BITSTRING	4	PDRPCDPL	No. DPL program links
(2F4)	BITSTRING	4	PDRJNLCT	No. journal write requests
(2F8)	BITSTRING	4 4	PDRLGWCT	No. CICS logger write requests
(2FC) (300)	BITSTRING BITSTRING	4	PDRICC PDRICTC	No. interval control starts Total interval control requests
(304)	BITSTRING	4	PDRSPPC	No. syncpoint requests
(308)	BITSTRING	4	PDRCFACT	No. OO Class Libary API requests
(30C)	BITSTRING	4	PDRSZACT	No. FEPI allocates
(310)	BITSTRING	4	PDRSZRCT	No. FEPI receives
(314)	BITSTRING	4	PDRSZSCT	No. FEPI sends
(318)	BITSTRING	4	PDRSZTCT	No. FEPI starts
(31C)	BITSTRING	4	PDRSZCOT	No. chars sent via FEPI
(320)	BITSTRING	4	PDRSZCIN	No. chars received via FEPI
(324)	BITSTRING	4	PDRSZATO	No. FEPI allocate timeouts
(328)	BITSTRING	4	PDRSZRTO	No. FEPI receive timeouts
(32C)	BITSTRING	4	PDRSZTOT	Total no. FEPI requests
(330)	BITSTRING	4	PDRBARSC	No. Run Process/Activity Sync
(334)	BITSTRING	4	PDRBARAC	No. Run Process/Activity Async
(338)	BITSTRING	4	PDRBALKC	No. Link Process/Activity reqs
(33C)	BITSTRING	4	PDRBADPC	No. Define Process requests
(340)	BITSTRING	4 4	PDRBADAC	No. Define Activity requests
(344) (348)	BITSTRING BITSTRING	4	PDRBTPAC PDRBSPAC	No. Reset Process/Activity reqs No. Suspend Process/Activity reqs
(346) (34C)	BITSTRING	4	PDRBRPAC	No. Resume Process/Activity regs
(350)	BITSTRING	4	PDRBDCPC	No. Delete/Cancel requests
(354)	BITSTRING	4	PDRBAAPC	No. Acquire Process requests
(358)	BITSTRING	4	PDRBATPC	Total No. Process/Activity reqs
(35C)	BITSTRING	4	PDRBAPDC	No. Process Container requests
(360)	BITSTRING	4	PDRBAADC	No. Activity Container requests
(364)	BITSTRING	4	PDRBATCC	Total No. Container requests
(368)	BITSTRING	4	PDRBAREC	No. Reattach Event requests

Offset Hex	Туре	Len	Name (Dim)	Description
(36C)	BITSTRING	4	PDRBADIC	No. Define Input Event requests
(370)	BITSTRING	4	PDRBATAC	No. Timer Associated Event requests
(374)	BITSTRING	4	PDRBATEC	Total no. Event requests
(378)	BITSTRING	4	PDRWBRCT	No. WEB Receive requests
(37C)	BITSTRING	4	PDRWBCIN	No. Characters received via WEB regs
(380)	BITSTRING	4	PDRWBSCT	No. WEB Send requests
(384)	BITSTRING	4	PDRWBCOT	No. Characters sent via WEB requests
(388)	BITSTRING	4	PDRWBTC	Total No. WEB requests
(38C)	BITSTRING	4	PDRWBRPR	No. Repository Reads
(390)	BITSTRING	4	PDRWBRPW	No. Repository Writes
(394)	BITSTRING	4	PDRDHCRC	No. Document Create requests
(398)	BITSTRING	4	PDRDHINC	No. Document Insert requests
(39C)	BITSTRING	4	PDRDHSTC	No. Document Set requests
(3A0)	BITSTRING	4	PDRDHRTC	No. Document Retrieve requests
(3A4)	BITSTRING	4	PDRDHTC	Total No. Document requests
(3A8)	BITSTRING	4	PDRDHTDL	Total Document Created length
(3AC)	BITSTRING	4	PDRSOBEN	No. Bytes Encrypted
(3B0)	BITSTRING	4	PDRSOBDE	No. Bytes Decrypted
(3B4)	BITSTRING	4	PDRIMSRC	Total No. IMS requests
(3B8)	BITSTRING	4	PDRDB2RC	Total No. DB2 requests
(3BC)	BITSTRING	4	PDRCHMDC	No. CICS Dispatcher Change Mode's
(3C0)	BITSTRING	4	PDRTCBAC	No. CICS Dispatcher TCB Attach's
(3C4)	BITSTRING	8	PDRDIST	User task dispatch time
(3CC)	BITSTRING	8	PDRCPUT	User task cpu time
(3D4)	BITSTRING	8	PDRSUST	Task suspend time
(3DC)	BITSTRING	8	PDRDWT	Dispatch wait time
(3E4)	BITSTRING	8	PDRQRDSP	User task QR Mode dispatch time
(3EC)	BITSTRING	8	PDRQRCPU	User task QR Mode cpu time
(3F4)	BITSTRING	8	PDRMSDSP	User task Other Mode dispatch time
(3FC)	BITSTRING	8	PDRMSCPU	User task Other Mode cpu time
(404)	BITSTRING	8	PDRL8CPU	User task L8 Mode cpu time
(40C)	BITSTRING	8	PDRJ8CPU	User task J8 Mode cpu time
(414)	BITSTRING	8	PDRS8CPU	User task S8 Mode cpu time
(41C)	BITSTRING	8	PDRQRDLY	QR Mode delay time
(424)	BITSTRING	8	PDROTDLY	Max Open TCB delay time
(42C)	BITSTRING	8	PDREXWT	Exception wait time
(434)	BITSTRING	8	PDRTCWT	TC i/o wait time
(43C)	BITSTRING	8 8	PDRFCWT	FC i/o wait time JC i/o wait time
(444)	BITSTRING	8	PDRJCWT PDRTSWT	TS i/o wait time
(44C) (454)	BITSTRING BITSTRING	8	PDRIRWT	IR i/o wait time
(45C)	BITSTRING	8	PDRTDWT	TD i/o wait time
(464)	BITSTRING	8	PDRPCLT	Program load time
(46C)	BITSTRING	8	PDRFDDLY	1st Dispatch delay - TCLASS,MXT,etc
(474)	BITSTRING	8	PDRFDTCL	1st Dispatch delay due to TCLASS
(47C)	BITSTRING	8	PDRFDMXT	1st Dispatch delay due to MXT
(484)	BITSTRING	8	PDRNQDLY	Local ENQ delay time
(48C)	BITSTRING	8	PDRGQDLY	Global ENQ delay time
(494)	BITSTRING	8	PDR61WT	LU61 i/o wait time
(49C)	BITSTRING	8	PDR62WT	LU62 i/o wait time
(4A4)	BITSTRING	8	PDRSZWT	FEPI suspend time
(4AC)	BITSTRING	8	PDRRMIT	Total RMI elapsed time
(4B4)	BITSTRING	8	PDRRMIS	Total RMI suspend time
(4BC)	BITSTRING	8	PDRSYNCT	Syncpoint elapsed time
(4C4)	BITSTRING	8	PDRRLSWT	RLS wait time
(4CC)	BITSTRING	8	PDRRLSCP	RLS SRB CPU time
(4D4)	BITSTRING	8	PDRLMDLY	Lock Mgr delay time
(4DC)	BITSTRING	8	PDRWTXWT	External wait time
(4E4)	BITSTRING	8	PDRWCEWT	Cics/Event wait time
(4EC)	BITSTRING	8	PDRICDLY	Interval control delay time
(4F4)	BITSTRING	8	PDRGVPWT	Give up control wait time
(4FC)	BITSTRING	8	PDRTSHWT	Shared TS wait time
(504)	BITSTRING	8	PDRCDTWT	CF Data Table wait time
(50C)	BITSTRING	8	PDRSYWTT	Server Syncpoint wait time
(514)	BITSTRING	8	PDRRRSWT	RRMS/MVS wait time
(51C)	BITSTRING	8	PDRRTRWT	Run Transaction wait time
(524)	BITSTRING	8	PDRSYDLY	Syncpoint delay time
(52C)	BITSTRING	8	PDRSOWT	Socket I/O wait time
(534)	BITSTRING	8	PDRIMSWT	IMS wait time
(53C)	BITSTRING	8	PDRRDQWT	DB2 Readyq wait time
(544)	BITSTRING	8	PDRCONWT	DB2 Connection wait time
(54C)	BITSTRING	8	PDRDB2WT	DB2 wait time
(554)	BITSTRING	8	PDRJVMT	Total JVM elapsed time
(55C)	BITSTRING	8	PDRJVMS	Total JVM suspend time
(564)	FULLWORD	4	PDRUEND (0)	## DELIMADDA# Dod Dot- Dod- 11 11
(564)			MNPDRLEN	"*-DFHMNPDA" Performance Data Record length

PEP Program error program commarea

Module Name = DFHPCOMS Descriptive Name = Commarea for User Program Error Program Function = Commarea for PEP; created by DFHACP, passed to User PEP Notes: Dependencies = S/370 Restrictions = none Register Conventions = none Patch Label = none Module Type = copy Attributes = copy Entry Point = none Purpose = copybook Linkage = none Input = none Output = none Exit-normal = none Exit-error = none External References = Routines = Data Areas = none Control Blocks = none Global Variables = none Tables = none Macros = Copybook for Commarea for User's Program Error Program

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	196	DFHPEP_COMMAREA	
S	tandard header section			
(0)	CHARACTER	4	PEP_COM_STANDARD	
(0)	CHARACTER	1	PEP_COM_ FUNCTION	always '1'
(1)	CHARACTER	2	PEP_COM_ COMPONENT	always 'PC'
(3)	CHARACTER	1	PEP_COM_ RESERVED	Reserved
Ab	end codes and EIB			
(4)	CHARACTER	4	PEP_COM_ CURRENT_ ABEND_CODE	
(8)	CHARACTER	4	PEP_COM_ ORIGINAL_ ABEND_CODE	current abcode
(C)	CHARACTER	85	PEP COM USERS EIB	original abcode EIB at abend
	bugging information			
(64)	CHARACTER	84	PEP COM DEBUG	
(64)	CHARACTER	8	PEP COM ABPROGRAM	ABENDing program
(6C)	CHARACTER	8	PEP COM PSW	PSW at abend
(74)	UNSIGNED	4	PEP COM REGISTERS	regs at abend
(7-7)	ONOIGHED	-	(16)	rogo at abond
(B4)	UNSIGNED	1	PEP COM KEY	execution key in form x'0n' (ASRA and ASRB)
(B5)	UNSIGNED	1	PEP COM STORAGE HIT	
(-/				storage hit by 0C4 (ASRA only)
(B6)	UNSIGNED	1	PEP_COM_SPACE	sub/basespce@L3C
(B7)	CHARACTER	1	PEP_COM_PADDING	Reserved
Re	turn code - return ok or	disable tr	ansaction	
(B8)	UNSIGNED	4	PEP_COM_ RETURN_CODE	
A	dditional PSW EC mode	informat	ion	
(BC)	CHARACTER	8	PEP_COM_INT	PSW interrupt codes

Len 4	Type DECIMAL	Value 4	Name PEP_COM_RETURN_ DISABLE	Description disable	
4	DECIMAL	0	PEP_COM_RETURN_OK	ok	
PE	P_COM_STORAGE_	HIT values			
1	DECIMAL	0	PEP_COM_NO_HIT	No hit or no 0C4	
1	DECIMAL	1	PEP_COM_CDSA_HIT	CDSA hit	
1	DECIMAL	2	PEP_COM_ECDSA_HIT	ECDSA hit	
1	DECIMAL	3	PEP_COM_ERDSA_HIT	ERDSA hit	
1	DECIMAL	4	PEP_COM_RDSA_HIT	RDSA hit	
1	DECIMAL	5	PEP_COM_EUDSA_HIT	EUDSA hit	
1	DECIMAL	6	PEP_COM_UDSA_HIT	UDSA hit	
PE	P_COM_KEY values				
1	DECIMAL	9	PEP_COM_USER_KEY	USER key	
1	DECIMAL	8	PEP_COM_CICS_KEY	CICS key	
PE	P_COM_SPACE_AC	TIVE values			
1	DECIMAL	10	PEP_COM_SUBSPACE	Error in s/space	
1	DECIMAL	11	PEP_COM_BASESPACE	Error in b/space	

Profile table entry PFT

CONTROL BLOCK NAME = DFHPPFPS
DESCRIPTIVE NAME = CICS (KC) Profile support
FUNCTION = Define the profile DSECT Although the profile is logically an extension to the terminal, it is owned and managed by the KC There is one instance of this control block for each profile installed (via RDO) in the system. The profile contains terminal control processing options to be used by a transaction. LIFETIME = INSTALL to DISCARD STORAGE CLASS = DFHSC TYPE=GETMAIN,CLASS=USER LOCATION = loctaed VIA TMP directory INNER CONTROL BLOCKS = none NOTES: DEPENDENCIES = S/370 RESTRICTIONS = none MODULE TYPE = Control block definition EXTERNAL REFERENCES = none DATA AREAS = none CONTROL BLOCKS = none GLOBAL VARIABLES (Macro pass) = none

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	42	DFHPPFPS	
(0)	CHARACTER	42	PPFED	
(0)	CHARACTER	8	PPFNAME	PROFILE NAME
(8)	UNSIGNED	2	PPFENL	ENTRY LENGTH
(A)	UNSIGNED	1	PPFTYPE	TYPE OF ENTRY, 3=PROFILE
(B)	CHARACTER	1	*	(SPACER)
(C)	BITSTRING	1	PPFFLAGS	FLAGS
, ,	1		PPFDYNA	ENTRY DYNAMICALLY ADDED
	.111 1111		*	RESERVED
(D)	CHARACTER	3	*	RESERVED
(10)	CHARACTER	5	PPFJINF	5 BYTES MOVED TO TCTTE
(10)	BITSTRING	1	PPFMIOAJ	TERMINAL MSG I/O & JOURNAL
	1		PPFMFMHA	ALL FMH'S TO APPLICATION
	.1		PPFMFMHE	(EODS)
	1		PPFMIMIO	RESERVED
	1		PPFMDLIO	RESERVED
	1		PPFMFMHD	(DIP)
	1		PPFMLRQ	LOGICAL REC PRESENT REQUIRED
	1.		PPFMJLI	AUTO INPUT MSG JOURNALLING
	1		PPFMJLO	AUTO OUTPUT MSG JOURNALLING
(11)	BITSTRING	1	PPFEXTOP	EXTRACT OPTIONS
	1		PPFEXNO	EXTRACT=NO
	.1		PPFEXAT	EXTRACT=ATTACH
	1		*	RESERVED
	1		*	RESERVED
	1		*	RESERVED
	1		*	RESERVED

	Offset Hex	Туре	Len	Name (Dim)	Description
(12) BITSTRING		1.		*	RESERVED
1		1		*	RESERVED
1	(12)	BITSTRING	1	PPFOPT2	EXTRA OPTIONS
1	()				
				*	
				*	
1.					
13				*	
14				*	
CHARACTER 2 PPEMPCRQ TERMINAL MSG PROT.REQUIRED	(13)	UNSIGNED	1	PPFMSJID	TERM MSG JOURNAL FILE ID
(15) BITSTRING 1 PPFMPFLG 2ND BYTE - SUPPORTED BITS: RESERVED	(14)	UNSIGNED	1	PPFNEPC	NODE ERROR PROGRAM CLASS
BITSTRING	(15)	CHARACTER	2	PPFMPCRQ	TERMINAL MSG PROT.REQUIRED
111	(15)	BITSTRING	1	*	1ST BYTE
111	(16)	BITSTRING	1	PPFMPFLG	2ND BYTE - SUPPORTED BITS:
1	(- /			*	
1				PPFMPCTI	
				*	
				DDEMDMSC	
CHARACTER 2 PPFMPONW X'01' = ONE WRITE OPTION				*	
CHARACTER				DDEMDONIM	
(17) BITSTRING	(4-7)				
BITSTRING				PPFMPCOP	
111					
1 PPFMOCTL X'10' = CHAIN CONTROL 1	(18)		1	PPFMOFLG	
1 PPFMOMSG X'04" = MESSAGE INTEGRITY1. PPFMOMSG X'04" = MESSAGE INTEGRITY1. PPFMONW X'01" = ONE WRITE OPTION (19) UNSIGNED 2 * RESERVED (1B) CHARACTER 8 PPFMODEN MODENAME (23) BITSTRING 1 PPFMDVSP TERMINAL DEVICE SUPPORT 1 * RESERVED 1 * RESERVED 1 * RESERVED 1 * RESERVED 11 * PPFMDVNO NON-VTAM DEVICES ONLY 11 * PPFMDVTM VTAM DEVICES ONLY (24) UNSIGNED 1 PPFTRTO TERMINAL READ TIMEOUT VALUE (25) BITSTRING 1 PPFSCS SCREEN SIZE SELECTION 1 * RESERVED 11 * RESERVED				*	
1				PPFMOCTL	
				*	
NUMBER N		1		PPFMOMSG	X'04' = MESSAGE INTEGRITY
(19) UNSIGNED 2 * RESERVED (1B) CHARACTER 8 PPFMODEN MODENAME (23) BITSTRING 1 PPFMDVSP TERMINAL DEVICE SUPPORT 1		1.		*	
(1B) CHARACTER 8 PPFMODEN MODENAME (23) BITSTRING 1 PPFMDVSP TERMINAL DEVICE SUPPORT 1 * RESERVED .1 * PPFMDVNO NON-VTAM DEVICES ONLY .1 * PPFMDVTM VTAM DEVICES ONLY (24) UNSIGNED 1 PPFTRTO TERMINAL READ TIMEOUT VALUE (25) BITSTRING 1 PPFSCS SCREEN SIZE SELECTION 1 * RESERVED .1 * RESERVED		1		PPFMOONW	X'01' = ONE WRITE OPTION
BITSTRING	(19)	UNSIGNED	2	*	RESERVED
1 * RESERVED	(1B)	CHARACTER	8	PPFMODEN	MODENAME
1	(23)	BITSTRING	1	PPFMDVSP	TERMINAL DEVICE SUPPORT
1.1		1		*	RESERVED
1 * RESERVED 1 * RESERVED 1 * RESERVED 1 * RESERVED 1 PPFMDVNO NON-YTAM DEVICES ONLY 1 PPFMDVTM VTAM DEVICES ONLY (24) UNSIGNED 1 PPFTRTO TERMINAL READ TIMEOUT VALUE (25) BITSTRING 1 PPFSCS SCREEN SIZE SELECTION 1 * RESERVED .1 * RESERVED .1 * RESERVED 1 * RESERVED 1 * RESERVED 1 PPFSCSA ALTERNATE SCREEN SIZE 1 PPFPRTCM PRINTER COMPATIBILITY 1 PPFPRTCM RESERVED		.1		*	RESERVED
1		1		*	RESERVED
1 * RESERVED 1 * RESERVED 1 * RESERVED 1 * PPFMDVNO NON-VTAM DEVICES ONLY 1 PPFMDVTM VTAM DEVICES ONLY (24) UNSIGNED 1 PPFTRTO TERMINAL READ TIMEOUT VALUE (25) BITSTRING 1 PPFSCS SCREEN SIZE SELECTION 1 * RESERVED .1 * RESERVED .1 * RESERVED .1 * RESERVED 1 * RESERVED		1		*	RESERVED
1 * RESERVED1. PPFMDVNO NON-VTAM DEVICES ONLY1 PPFMDVTM VTAM DEVICES ONLY (24) UNSIGNED 1 PPFTRTO TERMINAL READ TIMEOUT VALUE (25) BITSTRING 1 PPFSCS SCREEN SIZE SELECTION 1 * RESERVED		1		*	
				*	
				PPFMD\/NO	
(24) UNSIGNED 1 PPFTRTO TERMINAL READ TIMEOUT VALUE (25) BITSTRING 1 PPFSCS SCREEN SIZE SELECTION 1 * RESERVED .1. * RESERVED .1. * RESERVED 1 * 1 PPFSCSA ALTERNATE SCREEN SIZE 1 * RESERVED 1 PPFPRTCM PRINTER COMPATIBILITY RESERVED					
(25) BITSTRING 1 PPFSCS SCREEN SIZE SELECTION 1 * RESERVED .1 * RESERVED	(24)		1		
1 * RESERVED 1 1 * RESERVED 1 1 * PPFSCSA ALTERNATE SCREEN SIZE 1 1 * RESERVED 1 1 * PPFPRTCM PRINTER COMPATIBILITY 1 1 * RESERVED					
.1 * RESERVED1 * RESERVED 1	(23)			*	
1 * RESERVED1 * RESERVED 1 PPFSCSA ALTERNATE SCREEN SIZE1. * RESERVED1. PPFPRTCM PRINTER COMPATIBILITY1 * RESERVED				*	
1 * RESERVED 1 PPFSCSA ALTERNATE SCREEN SIZE 1 * RESERVED 1 PPFPRTCM PRINTER COMPATIBILITY1 * RESERVED					
1 PPFSCSA ALTERNATE SCREEN SIZE1. * RESERVED1. PPFPRTCM PRINTER COMPATIBILITY1 * RESERVED				*	
1					
1. PPFPRTCM PRINTER COMPATIBILITY1 * RESERVED				PPFSCSA	
1 * RESERVED				*	
				PPFPRICM	
(26) CHARACTER 4 PPFFACLK FACILITYLIKE	(==)			*	
	(26)	CHARACTER	4	PPFFACLK	FACILITYLIKE

PGA BMS page control area **DSECT**

```
MODULE NAME = DFHPGADS
DESCRIPTIVE NAME = CICS BMS PAGE CONTROL AREA DSECT FUNCTION = DEFINE THE BMS PAGE CONTROL AREA. THIS IS APPENDED
       BY DFHTPP TO THE END OF A PAGE OF DATASTREAM. TIOATDL
       EXCLUDES THE PGA, AND CAN THEREFORE BE USED TO ADDRESS
       THE PGA CONTAINS THE WCC AND ERASE FLAG FOR THE PAGE,
       AND INDICATES WHICH EXTENDED ATTRIBUTES ARE USED IN THIS PAGE.
NOTES :
 DEPENDENCIES = S/370
 RESTRICTIONS = NONE
 REGISTER CONVENTIONS = SEE COMMENTS IN CODE
 PATCH LABEL = NOT APPLICABLE
MODULE TYPE = DSECT
MODULE SIZE = NOT APPLICABLE
 ATTRIBUTES = NOT APPLICABLE
ENTRY POINT = NOT APPLICABLE
PURPOSE = SEE FUNCTION
LINKAGE = NOT APPLICABLE
INPUT = NOT APPLICABLE
OUTPUT = NOT APPLICABLE
EXIT-NORMAL = NOT APPLICABLE
EXIT-ERROR = NOT APPLICABLE
EXTERNAL REFERENCES = NONE
 CONTROL BLOCKS = NOT APPLICABLE
TABLES = NOT APPLICABLE MACROS = NONE
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHPGADS	DUMMY SECTION-PAGE CONTROL AREA @ NO BASE REGISTER ESTABLISHED
(0)	BITSTRING	1	PGAEAUS2	KJ EXT ATTRS USED IN PAGE BIT SETTINGS ARE AS FOR TTPEAUS2
(1)	BITSTRING	1	PGAEAUSE	EXTENDED ATTRS USED IN PAGE BIT SETTINGS ARE AS FOR TTPEAUSE
(2)	BITSTRING	1	PGAFLAG	PAGE CONTROL FLAG @
	1		PGAERASE	"X'80"ERASE WITH WRITE @
	.1		PGAOBFYS	"X'40""OBF USED IN THIS PAGE
	.1		PGAFF	"X'40"FORM FEED ON THIS PAGE
	1		PGAML1	"X'20""ML1 FORMATTED THIS PAGE
	1		PGA16BIT	"X'04""14- OR 16-BIT SBAS
	1.		PGAWSFYS	"X'02"WSF NEEDED FOR THIS PAGE
	1		PGAFMHYS	"X'01""FMH PRESENT IN THIS PAGE
(3)	BITSTRING	1	PGAWCC	3270 WRITE CONTROL CHARACTER @
	1		PGAEND	"*" END OF PAGE CONTROL AREA @
	1		PGALEN	"PGAEND-DFHPGADS" LENGTH OF DSECT @

PGACC Program manager autoinstall commarea

```
CONTROL BLOCK NAME = DFHPGACC
DESCRIPTIVE NAME = CICS/ESA (PG) Program Manager Autoinstall
                       exit program parameter list
FUNCTION = Defines the commarea passed by the Program Manager
   autoinstall function to the autoinstall exit program.
   The PGAC control block belongs to the Program Manager (PG)
   domain. The control block is used to pass the name of the
   program and the module type to the exit program and enables
   the user to return information for the program to be
   autoinstalled. Storage for the control block is obtained
   by the autoinstall function (DFHPGAI).
LIFETIME =
   The control block is created when the autoinstall function
   (DFHPGAI) is called. The storage is released on return
   from the autoinstall function.
STORAGE CLASS =
   The control block uses the automatic storage for DFHPGAL
   This storage is above the line.
LOCATION =
   In the automatic storage for DFHPGAI at the label PGAC.
   The address and length of the control block are passed
   to the program autoinstall exit program via the commarea.
NOTES:
   This control block is provided as a sample and is not to be
   used as a general programming interface. Refer to the
   CICS/ESA Customisation Guide to determine its intended
   Matching COBOL control block is DFHPGACO
   Matching C control block is DFHPGACH
   The control block includes the following fields:
  Input fields:
  PGAC_PROGRAM - name of program to be autoinstalled
  PGAC_MODULE_TYPE - program, mapset or partitionset
  Output fields:
  PGAC_MODEL_NAME - autoinstall model program name
  PGAC_LANGUAGE - assembler, cobol, C370, LE370, PL/I
  PGAC_CEDF_STATUS - cedf status, yes or no
  PGAC_DATA_LOCATION - data location, below or any
  PGAC_EXECUTION_KEY - execution key, CICS or user
  PGAC_LOAD_ATTRIBUTE - reload, transient, resident, reusable
  PGAC_USE_LPA_COPY - use LPA copy, yes or no
  PGAC_EXECUTION_SET - use DPL subset or full API
  PGAC_REMOTE_SYSID - remote system ID
  PGAC_REMOTE_PROGID - remote program name
  PGAC_REMOTE_TRANSID - remote transaction ID
  PGAC_DYNAMIC_STATUS - DPL dynamic or not dynamic
  PGAC_CONCURRENCY - QUASIRENT or THREADSAFE
  PGAC_JVM - the program is to be run under the JVM
 PGAC_JVM_DEBUG - JVM debug active for this program PGAC_JVM_CLASS_LENGTH - length of JVM class name data
  PGAC_JVM_CLASS_DATA - the JVM class name data
  PGAC_RETURN_CODE - OK, or don't define the program
  The return fields are initialized to blank on entry to the
 autoinstall exit program.
DEPENDENCIES = S/390
RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
 DATA AREAS = No fields in the operating system data areas
 CONTROL BLOCKS = No reference to other control blocks.
```

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	303	PGAC	
(0)	CHARACTER	8	PGAC_PROGRAM	
(8)	CHARACTER	1	PGAC_MODULE_TYPE	
(9)	CHARACTER	294	PGAC_RETURN_	
			INFORMATION	
(9)	CHARACTER	8	PGAC_MODEL_NAME	
(11)	CHARACTER	1	PGAC_LANGUAGE	
(12)	CHARACTER	1	PGAC_CEDF_ STATUS	
(13)	CHARACTER	1	PGAC_DATA_ LOCATION	
(14)	CHARACTER	1	PGAC_EXECUTION_ KEY	
(15)	CHARACTER	1	PGAC_LOAD_ ATTRIBUTE	
(16)	CHARACTER	1	PGAC_USE_ LPA_COPY	
(17)	CHARACTER	1	PGAC_EXECUTION_ SET	
(18)	CHARACTER	4	PGAC_REMOTE_ SYSID	
(1C)	CHARACTER	8	PGAC_REMOTE_ PROGID	
(24)	CHARACTER	4	PGAC_REMOTE_ TRANSID	

Offset Hex	Туре	Len	Name (Dim)	Description
(28)	CHARACTER	1	PGAC_RETURN_ CODE	
(29)	CHARACTER	1	PGAC_DYNAMIC_ STATUS	
(2A)	CHARACTER	1	PGAC_CONCURRENCY	
(2B)	CHARACTER	1	PGAC_JVM	
(2C)	HALFWORD	2	PGAC_JVM_ CLASS_LEN	
(2E)	CHARACTER	256	PGAC_JVM_ CLASS_DATA	
(12E)	CHARACTER	1	PGAC_JVM_DEBUG	

Len 1	71.	Value	Name PGAC_TYPE_PROGRAM	Description
1	CHARACTER CHARACTER	2	PGAC_TYPE_MAPSET	
1	CHARACTER	3	PGAC_TYPE_	
		-	PARTITIONSET	
	Constants for language.			
1	CHARACTER	1	PGAC_ASSEMBLER	
1	CHARACTER	2	PGAC_COBOL	
1	CHARACTER	3	PGAC_PLI	
1	CHARACTER	4	PGAC_C370	
1	CHARACTER	5	PGAC_LE370	
	Constants for CEDF status.			
1	CHARACTER	1	PGAC_CEDF_YES	
1	CHARACTER	2	PGAC_CEDF_NO	
	Constants for data location.			
1	CHARACTER	1	PGAC_LOCATION_ BELOW	
1	CHARACTER	2	PGAC_LOCATION_ANY	
	Constants for execution key.			
1	CHARACTER	1	PGAC_CICS_KEY	
1	CHARACTER	2	PGAC_USER_KEY	
	Constants for load attribute.			
1	CHARACTER	1	PGAC_RELOAD	
1	CHARACTER	2	PGAC_RESIDENT	
1	CHARACTER	3	PGAC_TRANSIENT	
1	CHARACTER	4	PGAC_REUSABLE	
	Constants for LPA status.			
1	CHARACTER	1	PGAC_LPA_YES	
1	CHARACTER	2	PGAC_LPA_NO	
	Constants for execution set.			
1	CHARACTER	1	PGAC_DPLSUBSET	
1	CHARACTER	2	PGAC_FULLAPI	
	Constants for DYNAMIC stat	us.		
1	CHARACTER	1	PGAC_DYNAMIC_YES	
1	CHARACTER	2	PGAC_DYNAMIC_NO	
	Constants for CONCURREN			
1	CHARACTER	1	PGAC_QUASIRENT	
1	CHARACTER	2	PGAC_THREADSAFE	
	Constants for JVM			
1	CHARACTER	1	PGAC_JVM_YES	
1	CHARACTER	2	PGAC_JVM_NO	
	Constants for JVM DEBUG			
1	CHARACTER	1	PGAC_JVM_DEBUG_YES	
1	CHARACTER	2	PGAC_JVM_DEBUG_NO	
	Constants for the return code	e		
1	CHARACTER	1	PGAC_RETURN_OK	
1	CHARACTER	2	PGAC_RETURN_	
			DONT_DEFINE_PROGRAM	

PGGPC Program manager statistics

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	DFHPGGPS	pg global stats
(0)	HALFWORD	2	PGG_STATS_LENGTH	length of record
(2)	HALFWORD	2	PGG_STATS_ID	pg global stats id, should contain pgg_dcl_id
(4)	UNSIGNED	1	PGG_STATS_ VERSION	pg global stats version
(5)	UNSIGNED	3	*	filler
(8)	FULLWORD	4	PGG_AUTO_ ATTEMPTS	number of autoinstalls attempted
(C)	FULLWORD	4	PGG_AUTO_REJECTS	number of autoinstalls rejected
(10)	FULLWORD	4	PGG_AUTO_ FAILURES	number of autoinstalls failed

Constants

Len	Type	Value	Name	Description
1	HEX	01	PGG_DCL_VERSION	version number
2	DECIMAL	23	PGG_DCL_ID	PG global id statistics id

PLT Program list table entry

CONTROL BLOCK NAME = DFHPLTDS DESCRIPTIVE NAME = CICS Program List Table Entry FUNCTION = Defines an entry in a PLT, a list of programs to be invoked. NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition

Offset	Туре	Len	Name (Dim)	Description
(0)			DFHPLTDS	DUMMY SECTION - PGM LIST TABLE
(0)	CHARACTER	8	PLTPID	PROGRAM IDENTIFICATION
	1		PLTEL	"(*-PLTPID)" PGM LST TABLE ENTRY LENGTH

PSD Partition set definition block

MODULE NAME = DFHPSDDS

DESCRIPTIVE NAME = CICS PARTITION SET DEFINITION DSECT
DUAL LANGUAGE DSECT

FUNCTION = DEFINES THE PARTITION SET OBJECT. THIS IS BUILT BY
THE MACROS DFHPSD AND DFHPDI. IT IS SUFFIXED AND
STORED IN THE CICS/VS PROGRAM LIBRARY WITH A PPT
ENTRY. IT IS LOADED INTO MAIN MEMORY BY DFHMCP

NOTES:
DEPENDENCIES = \$/370
RESTRICTIONS = NONE
MODULE TYPE = STRUCTURE
EXTERNAL REFERENCES = NONE
CONTROL BLOCKS = NOT APPLICABLE
TABLES = NOT APPLICABLE
MACROS = NONE

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	30	DFHPSDDS	DUMMY SECTION - PARTITION SET DESCRIPTION
(0)	CHARACTER		PSDSTART	START OF DEFINITION
Part	ition Set Header Des	cription		
(0)	HALFWORD	2	PSDPSETL	PARTITION SET LENGTH
(2)	CHARACTER	2	*	BLANK SO PARTITION SET IS CORRECT FORMAT FOR OUTPUT TO CICS TEMP STORAGE
(4)	HALFWORD	2	PSDPSL	PARTITION SET HEADER LENGTH OF PARTITION SET HEADER
(6)	CHARACTER	8	PSDSLFID	STRING '*DFHPSD ' IDENTIFIES OBJECT AS A PARTITION SET
(E)	CHARACTER	7	PSDPSNME	PARTITION SET NAME
(15)	CHARACTER	1	PSDPSSFX	PARTITION SET SUFFIX, USED FOR PARTITION SET SELECTION BLANK IF NOT SUFFIXED
(16)	HALFWORD	2	PSDPNUM	NUMBER OF PARTITIONS IN THIS PARTITION SET
(18)	HALFWORD	2	PSDUACOL	ALTSCRN COLUMNS
(1A)	HALFWORD	2	PSDUALNE	ALTSCRN LINES
(1C)	CHARACTER	1	PSDCICSV	CICS/VS VERSION ON WHICH THE PARTITION SET WAS ASSEMBLED
(1D)	BITSTRING	1	PSDPSFLG	FLAG BYTE
	1		PSDPSERR	THIS PARTITION SET CONTAINS A CICS/VS ERROR MESSAGE PARTITION

PARTITION DESCRIPTION
TWO RECORD FOR EACH PARTITION IN THIS PARTITION SET
THE FIRST RECORD CONTAINS CICS/VS SPECIFIC DATA. THE SECOND
RECORD IS A COPY OF THE CREATE PARTITION STRUCTURED FIELD

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	6	PSDPCICS	
CICS	S SPECIFIC PARTITI	ON DATA		
(0)	HALFWORD	2	PSDCICSL	LENGTH OF CICS/VS DATA
(2)	CHARACTER	2	PSDCINME	THE PARTITION NAME
(4)	BITSTRING	1	PSDCIFLG	PARTITION FLAGS 1
	1		PSDCIERR	THIS IS A CICS/VS ERROR MESSAGE PARTITION
(5)	CHARACTER	1	PSDMPSFX	BMS MAPSET SUFFIX
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	30	PSDPCRT	
COPY OF THE ARCHITECTED CREATE PARTITION STRUCTURED FIELD THIS CAN BE SENT UNCHANGED TO THE TERMINAL				
(0)	HALFWORD	2	PSDPL	LENGTH OF CREATE PARTITION STRUCTURED FIELD
(2)	CHARACTER	1	PSDPTYPE	STRUCTURED FIELD TYPE
(3)	CHARACTER	1	PSDPID	HARDWARE PARTITION-ID
(4)	BITSTRING	1	PSDPAM	FLAG BYTE INDICATING UNIT OF MEASURE AND ADDRESS MODE
	1		*	
	.1		*	
	1		*	
	1		PSDUMPEL	UNIT OF MEASURE IS PELS
	1		*	
	1		*	
	1.		*	
	1		PSDAM16	ADDRESS MODE IS 16 BIT
(5)	BITSTRING	1	PSDPFLG	FLAG BYTE
	1		*	

Offset Hex	Туре	Len	Name (Dim)	Description
	.1		PSDPPROT	PARTITION IS PROTECTED
(6)	CHARACTER	2	PSDPBUFH	HEIGHT OF THE PARTITION BUFFER
(8)	CHARACTER	2	PSDPBUFW	WIDTH OF THE PARTITION BUFFER
(A)	CHARACTER	2	PSDVIEWR	ROW ORIGIN OF THE PARTITION VIEWPORT
(C)	CHARACTER	2	PSDVIEWC	COLUMN ORIGIN OF THEPARTITION VIEWPORT
(E)	CHARACTER	2	PSDVIEWH	VIEWPORT HEIGHT
(10)	CHARACTER	2	PSDVIEWW	VIEWPORT WIDTH
(12)	CHARACTER	2	PSDWNDR	INITIAL WINDOW POSITION ROW
(14)	CHARACTER	2	PSDWNDC	INITIAL WINDOW POSITION COL
(16)	CHARACTER	2	PSDSCRR	VERTICAL SCROLL AMOUNT
(18)	CHARACTER	2	PSDSCRC	HORIZONTAL SCROLL AMOUNT
(1A)	CHARACTER	2	PSDCELLW	CHARACTER CELL PEL WIDTH
(1C)	CHARACTER	2	PSDCELLH	CHARACTER CELL PEL HEIGHT

Len	Type	Value	Name	Description
1	HEX	07	PSDCI160	CICS/VS 160
1	HEX	0C	PSDPCRP	CREATE PARTITION TYPE CODE
1	HEX	00	PSDUMCHR	UNIT OF MEASURE IS CHARS
1	HEX	00	PSDAM12	ADDRESS MODE IS 12/14 BIT

PSG System spooling interface

```
CONTROL BLOCK NAME = DFHPSGPS
DESCRIPTIVE NAME = CICS System Spooling Interface
             Global Control Block.
FUNCTION =
  DFHPSGPS (PSG) is the master control block for the System
  Spooling Interface facility.
 Description
  PSG - This Block contains the central control information
       through which the System Spooling Interface works.
       It is anchored from CSAPSCBA in the CSA Optional
Features List.
LIFETIME =
   If SPOOL=YES is specified at CICS Initialization, then
   control will be passed to DFHPSIP from DFHSIJ1. PSIP will
   construct and intialize DFHPSGPS, which will remain in
   existence all the time that CICS is running.
STORAGE CLASS = shared
LOCATION =
   Chained off CSA optional features list by CSAPSCBA
INNER CONTROL BLOCKS = NONE
NOTES:
DEPENDENCIES = S/370
 RESTRICTIONS = NONE
MODULE TYPE = PLS copy-book
EXTERNAL REFERENCES = none
 DATA AREAS = none
CONTROL BLOCKS = none
 GLOBAL VARIABLES (Macro pass) = none
                     getmained by JES as commarea
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	208	DFHPSGPS	
(0)	CHARACTER	4	*	Storage accounting area
(4)	CHARACTER	8	PSGID	Control block ID - DFHPSGPS. The following VSAM info. is used by DFHPSIP & DFHPSPSS:
(C)	HALFWORD	2	PSGACBL	Length of VSAM ACB
(E)	HALFWORD	2	PSGRPLL	Length of VSAM RPL
(10)	HALFWORD	2	PSGEXLL	Length of VSAM EXIT LIST
(12)	HALFWORD	2	*	Reserved
(14)	FULLWORD	4	PSGOPNCT	Count of JES files OPEN-ed
(18)	FULLWORD	4	PSGCLSCT	Count of JES files CLOSE-ed
(1C)	ADDRESS	4	*	Reserved
(20)	ADDRESS	4	*	Reserved
(24)	FULLWORD	4	PSGNXTK	Next Report Token
(28)	CHARACTER	4	PSGJTFL	Job transfer flags
(28)	CHARACTER	1	PSGTHRD	In-Use flag for SGL thread
(29)	CHARACTER	3	*	Reserved
(2C)	CHARACTER	4	*	
(2C)	BITSTRING	1	PSGFE	Extra service facilities

1 PSGFETR	Offset Hex	Туре	Len	Name (Dim)	Description
				PSGFETR	Additional trace required
(2D) CHARACTER 3 * Reserved (30) ADDRESS 4 PSGCSAA CSA address save area (38) HALFWORD 2 PSGCSLC Operating system lines per page (3A) CHARACTER 8 PSGFLGS CICS SUB-system lines per page (3A) CHARACTER 1 PSGIACT CICS SSI is active/enabled (3B) CHARACTER 1 PSGIDIS CICS SSI is being disabled (3C) CHARACTER 1 PSGIDIS CICS SSI is being disabled (3D) CHARACTER 1 PSGITRM CICS SSI is being disabled (3D) CHARACTER 1 PSGITRM CICS SSI is being disabled (3E) CHARACTER 1 PSGITRM CICS SSI is being disabled (3F) CHARACTER 1 PSGIDIP Reserved (4D) CHARACTER 1 PSGIDIP Reserved (41) CHARACTER 1 PSGSYSID Reserved (41) CHARACTER 1 PSG		.111 111.		*	Reserved
(30) ADDRESS 4 PSGCRB Reserved (34) ADDRESS 4 PSGCSAA CSA address save area (38) HALFWORD 2 PSGOSLC Operating system lines per page (3A) CHARACTER 8 PSGFLGS CICS Sub-system Interface control status flags (3A) CHARACTER 1 PSGIACT CICS SIS is active/enabled (3B) CHARACTER 1 PSGIBNA CICS SIS is being enabled (3C) CHARACTER 1 PSGIDIS CICS SIS is being enabled (3C) CHARACTER 1 PSGIDIS CICS SIS is being enabled (3D) CHARACTER 1 PSGIDIP Reserved (3F) CHARACTER 1 PSGIDIP Reserved (4D) CHARACTER 1 PSGIDIP Reserved (4D) CHARACTER 1 PSGCLAS Reserved (41) CHARACTER 1 PSGCLAS Reserved (41) CHARACTER 1 PSGSYSID Reserved (42) CHARACTER 1 PSGRB Reserved (44) ADDRESS 4 PSGRB Reserved (48) ADDRESS 4 PSGRB Reserved (50) ADDRESS 4 PSGTB Reserved (50) ADDRESS 4 PSGTB Reserved (50) ADDRESS 4 PSGSTAT CICS SIS is being terminated (5C) CHARACTER 3 PSGSCAS Reserved (5D) ADDRESS 4 PSGSTAT CICS SIS IS being deather the control of the c		1			Enable FE Chain checking
(34) ADDRESS 4 PSGCSAA CSA address save area (38) HALFWORD 2 PSGOSLC Operating system lines per page (3A) CHARACTER 8 PSGFLGS CICS SUs-system Interface control status flags (3A) CHARACTER 1 PSGIACT CICS SSI is being enabled (3B) CHARACTER 1 PSGIDIS CICS SSI is being disabled (3C) CHARACTER 1 PSGIDIP Reserved (3D) CHARACTER 1 PSGIDIP Reserved (3F) CHARACTER 1 PSGIDPP Reserved (40) CHARACTER 1 PSGIDPP Reserved (40) CHARACTER 1 PSGSCLAS Reserved (41) CHARACTER 1 PSGSYSID Reserved (42) CHARACTER 2 * Reserved (44) ADDRESS 4 PSGRRB Reserved (40) ADDRESS 4 PSGWRB Reserved	(2D)	CHARACTER	3	*	Reserved
(38) HALFWORD 2 PSGOSLC Operating system lines per page (3A) CHARACTER 8 PSGFLGS CICS Sub-system liner face control status flags (3A) CHARACTER 1 PSGIENA CICS SSI is active/enabled (3B) CHARACTER 1 PSGIDIS CICS SSI is being disabled (3D) CHARACTER 1 PSGIDIP Reserved (3E) CHARACTER 1 PSGIDIP Reserved (3F) CHARACTER 1 PSGIDIP Reserved (40) CHARACTER 1 PSGIDPP Reserved (40) CHARACTER 1 PSGOLAS Reserved (41) CHARACTER 1 PSGSCLAS Reserved (41) CHARACTER 1 PSGSTRB Reserved (42) CHARACTER 1 PSGRRB Reserved (44) ADDRESS 4 PSGTRB Reserved (40) ADDRESS 4 * Reserved (50)<	(30)	ADDRESS	4	PSGCRB	Reserved
(3A) CHARACTER 8 PSGFLGS CICS Sub-system Interface control status flags (3A) CHARACTER 1 PSGIACT CICS SSI is active/enabled (3B) CHARACTER 1 PSGIDIS CICS SSI is being enabled (3D) CHARACTER 1 PSGIDIS CICS SSI is being disabled (3D) CHARACTER 1 PSGIDIP Reserved (3E) CHARACTER 1 PSGIDIP Reserved (3F) CHARACTER 1 PSGIDPP Reserved (40) CHARACTER 1 PSGIDPP Reserved (41) CHARACTER 1 PSGSCIAS Reserved (41) CHARACTER 2 * Reserved (42) CHARACTER 2 * Reserved (42) CHARACTER 2 * Reserved (44) ADDRESS 4 PSGWB Reserved (50) ADDRESS 4 * Reserved (54) ADDRESS	(34)	ADDRESS	4	PSGCSAA	CSA address save area
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(3B) CHARACTER 1 PSGIENA CICS SSI is being enabled (3C) CHARACTER 1 PSGITRM CICS SSI is being disabled (3D) CHARACTER 1 PSGIDIP Reserved (3F) CHARACTER 1 PSGIDIP Reserved (40) CHARACTER 1 PSGIDIP Reserved (41) CHARACTER 1 PSGCLAS Reserved (41) CHARACTER 1 PSGSYSID Reserved (41) CHARACTER 1 PSGRRB Reserved (42) CHARACTER 1 PSGRRB Reserved (44) ADDRESS 4 PSGRRB Reserved (40) ADDRESS 4 PSGWRB Reserved (50) ADDRESS 4 PSGWRB Reserved (51) ADDRESS 4 * Reserved (52) CHARACTER 47 PSGSTAT CICS SSI statistics area (55) CHARACTER 3	(3A)	CHARACTER	8	PSGFLGS	CICS Sub-system Interface control status flags
(3C) CHARACTER 1 PSGIDIS CICS SSI is being disabled (3D) CHARACTER 1 PSGIDIP Reserved (3F) CHARACTER 1 PSGIDIP Reserved (40) CHARACTER 1 PSGIDPP Reserved (40) CHARACTER 1 PSGCLAS Reserved (41) CHARACTER 1 PSGCLAS Reserved (41) CHARACTER 1 PSGCLAS Reserved (42) CHARACTER 2 * Reserved (44) ADDRESS 4 PSGRRB Reserved (4C) ADDRESS 4 PSGWRB Reserved (50) ADDRESS 4 * Reserved (54) ADDRESS 4 * Reserved (55) ADDRESS 4 * Reserved (56) CHARACTER 3 PSGSCRS Reserved (56) CHARACTER 3 PSGSCRS Reserved	(3A)	CHARACTER	1	PSGIACT	CICS SSI is active/enabled
(3D) CHARACTER 1 PSGITRM CICS SSI is being terminated (3E) CHARACTER 1 PSGIDIP Reserved (40) CHARACTER 1 PSGIDIPP Reserved (40) CHARACTER 1 PSGCLAS Reserved (41) CHARACTER 1 PSGSYSID Reserved (41) CHARACTER 2 - Reserved (42) CHARACTER 2 - Reserved (44) ADDRESS 4 PSGRRB Reserved (42) ADDRESS 4 PSGWRB Reserved (44) ADDRESS 4 PSGWRB Reserved (50) ADDRESS 4 - Reserved (54) ADDRESS 4 - Reserved (55) ADDRESS 4 - Reserved (55) CHARACTER 47 PSGSCRT Reserved (56) CHARACTER 3 PSGSCRR Reserved </td <td>(3B)</td> <td>CHARACTER</td> <td>1</td> <td>PSGIENA</td> <td>CICS SSI is being enabled</td>	(3B)	CHARACTER	1	PSGIENA	CICS SSI is being enabled
(3E) CHARACTER 1 PSGIDIP Reserved (3F) CHARACTER 1 PSGIDPP Reserved (41) CHARACTER 1 PSGCLAS Reserved (41) CHARACTER 1 PSGSYSID Reserved (41) CHARACTER 2 - Reserved (42) CHARACTER 2 - Reserved (44) ADDRESS 4 PSGRRB Reserved (40) ADDRESS 4 PSGTRB Reserved (50) ADDRESS 4 PSGWRB Reserved (54) ADDRESS 4 - Reserved (54) ADDRESS 4 - Reserved (55) CHARACTER 4 PSGSTAT CICS SSI statistics area (5C) CHARACTER 3 PSGSCRS Reserved (5C) CHARACTER 3 PSGSCRS Reserved (6C) CHARACTER 4 PSGSCRS Reserved	(3C)	CHARACTER	1	PSGIDIS	CICS SSI is being disabled
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(6C) CHARACTER 3 PSGSERC Reserved (6F) CHARACTER 3 PSGSLR Reserved (72) CHARACTER 3 PSGSTD Reserved (75) CHARACTER 3 PSGSTD Reserved (78) CHARACTER 3 PSGSER Reserved (7B) CHARACTER 4 PSGDDAT Date SSI last ended (7F) CHARACTER 4 PSGDTIM Time SSI last started (83) CHARACTER 4 PSGEDAT Date SSI last started (87) CHARACTER 4 PSGEDAT Time SSI last started (8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 2 PSGTID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (96) CHARACTER <td< td=""><td>(65)</td><td>CHARACTER</td><td>4</td><td>PSGSOR</td><td>Reserved</td></td<>	(65)	CHARACTER	4	PSGSOR	Reserved
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(75) CHARACTER 3 PSGSTD Reserved (78) CHARACTER 3 PSGSER Reserved (7B) CHARACTER 4 PSGDDAT Date SSI last ended (7F) CHARACTER 4 PSGDTIM Time SSI last ended (83) CHARACTER 4 PSGETIM Date SSI last started (87) CHARACTER 4 PSGETIM Time SSI last started (8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 8 PSGXIDK Reserved (93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (96) CHARACTER 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(6F)	CHARACTER	3	PSGSLR	Reserved
(78) CHARACTER 3 PSGSER Reserved (7B) CHARACTER 4 PSGDDAT Date SSI last ended (7F) CHARACTER 4 PSGDTIM Time SSI last ended (83) CHARACTER 4 PSGEDAT Date SSI last started (87) CHARACTER 4 PSGETIM Time SSI last started (8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 8 PSGXIDK Reserved (93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (AO) CHARACTER 44 PSGIDSN Input DSNAME		CHARACTER	3	PSGSPI	Reserved
(7B) CHARACTER 4 PSGDDAT Date SSI last ended (7F) CHARACTER 4 PSGDTIM Time SSI last ended (83) CHARACTER 4 PSGEDAT Date SSI last started (87) CHARACTER 4 PSGETIM Time SSI last started (8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 8 PSGXIDK Reserved (93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(75)	CHARACTER	3	PSGSTD	Reserved
(7F) CHARACTER 4 PSGDTIM Time SSI last ended (83) CHARACTER 4 PSGEDAT Date SSI last started (87) CHARACTER 4 PSGETIM Time SSI last started (8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 8 PSGXIDK Reserved (93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(78)	CHARACTER	3	PSGSER	Reserved
(83) CHARACTER 4 PSGEDAT Date SSI last started (87) CHARACTER 4 PSGETIM Time SSI last started (8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 8 PSGXIDK Reserved (93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(7B)	CHARACTER	4	PSGDDAT	Date SSI last ended
(87) CHARACTER 4 PSGETIM Time SSI last started (8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 8 PSGXIDK Reserved (93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(7F)	CHARACTER	4	PSGDTIM	Time SSI last ended
(8B) CHARACTER 10 PSGIDENT Reserved (8B) CHARACTER 8 PSGXIDK Reserved (93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(83)	CHARACTER	4	PSGEDAT	Date SSI last started
(8B) CHARACTER 8 PSGXIDK Reserved (93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(87)	CHARACTER	4	PSGETIM	Time SSI last started
(93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(8B)	CHARACTER	10	PSGIDENT	Reserved
(93) CHARACTER 2 PSGITID Reserved (95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME	(8B)	CHARACTER	8	PSGXIDK	Reserved
(95) BITSTRING 1 PSGNFYE Reserved (96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME		CHARACTER	2	PSGITID	Reserved
(96) CHARACTER 3 * Reserved (9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME		BITSTRING	1	PSGNFYE	Reserved
(9C) ADDRESS 4 PSGCXPB CXPB TCA address (A0) CHARACTER 44 PSGIDSN Input DSNAME			3		Reserved
(A0) CHARACTER 44 PSGIDSN Input DSNAME				PSGCXPB	
			4	*	·

Len	Type	Value	Name	Description
1	HEX	FF	PSGON	Flag is on.
1	HEX	00	PSGOFF	Flag is off.

PSP Printer spooling subsystem

```
MODULE NAME = DFHPSPPS
DESCRIPTIVE NAME = CICS Printer Spooling Subsystem Function =
         DFHPSPPS is the parameter area map for the interface
 Dependencies = S/370
 Restrictions = none
Register conventions = N/A
Patch label = N/A
Module type = PLS copy-book
Attributes = N/A
Entry point = N/A
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	120	DFHPSPPS	DFHPS Macro Parameter Area
(0)	UNSIGNED	1	PSPREQ	Request Code.
(1)	BITSTRING	1	PSPQUAL	Reserved
. ,	1		PSPQNTFY	Reserved
	.1		PSPQANY	Reserved
	1		PSPQCMD	Reserved
	1 1111		*	Reserved
(2)	BITSTRING	1	PSPOPT1	Option 1 indicators.
()	1		PSPWCHCK	Reserved
	.1		PSPRGIN	Reserved
	1		PSPRSEP	Reserved
	1		PSPRNSEP	Reserved
	1		PSPRNCV	Reserved
	1		PSPRFAIL	Reserved
	1.		PSPRCONT	Reserved
	1		PSPRRESM	Reserved
(3)	BITSTRING	1	PSPOPT2	Option 2 Indicators.
. ,	1		PSPRHDN	Reserved
	.1		PSPRFTN	Reserved
	1		PSPRNONM	Reserved
	1		PSPRDTTM	Reserved
	1		PSPRPHYS	Reserved
	1		PSPRLOGL	Reserved
	1.		PSPROUT	OPEN/CLOSE for Output.
	1		PSPRINP	OPEN/CLOSE for Input.
(4)	BITSTRING	1	PSPOPT3	Option 3 Indicators.
	1		PSPBASE	Base call
	.1		PSPREST	Reserved
	1		PSPMAPO	Reserved
	1		PSPDWE	Reserved
	1		PSPHLPI	Reserved
	1		PSPYMES	Reserved
	1.		PSPNMES	Reserved
	1		*	Reserved
(5)	BITSTRING	1	PSPOPT4	Option 4 Indicators.
	1 .1		PSPRSCS	Reserved
			PSPRBMS PSPR327	Reserved
	1		PSPR327 PSPRAPA	Reserved CPDS Data Stream
	1		PSPRESC	Reserved
	1		PSPRASA	ASA Format
	1.		PSPRMCC	Machine Format
	1		PSPRNCC	No CC Format
(6)	BITSTRING	1	PSPOPT5	Option 5 Indicators.
(6)	BITSTRING	1	*	Reserved
(7)	BITSTRING	1	PSPQUE	Reserved
()	1		PSPQLST	Reserved
	.1		PSPQRDR	Reserved
	1		PSPQPUN	Reserved
	1		PSPQXMIT	Reserved
	1		PSPQPRTR	Reserved
	111		*	Reserved
(8)	BITSTRING	1	PSPCBOPT	Reserved
(9)	BITSTRING	1	PSPDISPS	Reserved
	1		PSPDHOLD	Reserved
	.1		PSPDACT	Reserved
	1		PSPDRDY	Reserved
	1		PSPDERR	Reserved
	1		PSPDRES	Reserved
	1		PSPDKEP	Reserved
	1.		PSPDLVE	Reserved
(4)	1		PSPDERRP	Reserved
(A)	UNSIGNED	1 1	PSPCOPY PSPPRI	Reserved
(B) (C)	UNSIGNED UNSIGNED	1	*	Reserved Reserved
(0)	GNOIGINED			IVESELACA

Offset Hex	Туре	Len	Name (Dim)	Description
(D)	UNSIGNED	1	PSPPGSZ	Reserved
(E)	CHARACTER	1	PSPCLASS	CLASS Character.
(F)	UNSIGNED	1	*	Reserved
(10)	BITSTRING	1	PSPDISP	DISPOSITION to be set.
(11)	CHARACTER	1	PSPNCLSS	Reserved
(12)	UNSIGNED	2	PSPLNLG	Reserved
(14)	ADDRESS	4	PSPFORMS	Reserved
(18)	ADDRESS	4	PSPMPST	Reserved
(1C)	ADDRESS	4	PSPTOKEN	Pointer to token value.
(20)	ADDRESS	4	PSPREPNM	Reserved
(24)	ADDRESS	4	PSPDATA	Pointer to Data Area
(28)	ADDRESS	4	PSPLENG	Length WRITE/READ
(2C)	ADDRESS	4	PSPMLNG	Max Length READ or OPEN Recordlength
(30)	ADDRESS	4	PSPMAP	Reserved
(34)	ADDRESS	4	PSPUSRID	Pointer to User Id.
(38)	ADDRESS	4	PSPESCP	Reserved
(3C)	ADDRESS	4	PSPNODE	Pointer to Node Name.
, ,	ADDRESS	4	PSPFDATE	Reserved
(40)		4		
(44)	FULLWORD ADDRESS	4	PSPREPLN PSPREPBF	Reserved Reserved
(48)	ADDRESS	4	PSPUSDTA	Reserved
(4C)		4		
(50)	FULLWORD	4 1	PSPREC#	Reserved
(54)	UNSIGNED	'	PSPPDISP	Reserved
	1		PSPPPRNT	Reserved
			PSPPSTOP	Reserved
	1		PSPPWAIT	Reserved
	1		PSPPIUSE	Reserved
			PSPPALN	Reserved
			PSPPOOS	Reserved
	1.		PSPPPAUD	Reserved
(55)	1		DODDA OT4	Reserved
(55)	UNSIGNED	1	PSPPACT1	Reserved
	1		PSPPSRT	Reserved
			PSPPSTPC	Reserved
	1		PSPPSTPN	Reserved
			PSPPALGN	Reserved
	1		PSPPAUS	Reserved
	1		PSPRESM	Reserved
	1.		PSPSTPR	Reserved
(50)	1		PSPPCONF	Reserved
(56)	UNSIGNED	1	PSPPACT2	Reserved
	1		PSPPSETU	Reserved
	.1		PSPPDISC	Reserved
	11 1		*	Reserved
	1		PSPPINQ	Reserved
(==)	11		_	Reserved
(57)	UNSIGNED	1		Reserved
(58)	ADDRESS	4	PSPPRNM	Reserved
(5C)	ADDRESS	4	PSPTITLE	Reserved
(60)	ADDRESS	4	PSPHEAD	Reserved
(64)	ADDRESS	4	PSPFOOT	Reserved
(68)	ADDRESS	4	PSPSTPG	Reserved
(6C)	ADDRESS	4	PSPEDPG	Reserved
(70)	ADDRESS	4	PSPALPG	Reserved
(74)	ADDRESS	4	PSPOTDES	Ptr. to OUTDES LIST

Constants

	T	Walana	N	December 1 and
Len	Туре	Value	Name	Description
1	DECIMAL	1	PSPTALT	Reserved
1	DECIMAL	2	PSPTBLD	Reserved
1	DECIMAL	3	PSPTCLSE	CLOSE
1	DECIMAL	4	PSPTDLTE	Reserved
1	DECIMAL	5	PSPTDISL	DISABLE
1	DECIMAL	6	PSPTENBL	ENABLE
1	DECIMAL	7	PSPTENBR	Reserved
1	DECIMAL	8	PSPTGNXT	Reserved
1	DECIMAL	9	PSPTINIT	Reserved
1	DECIMAL	10	PSPTLOC	Reserved
1	DECIMAL	11	PSPTOPN	OPEN
1	DECIMAL	12	PSPTPNT	Reserved
1	DECIMAL	13	PSPTPRT	Reserved
1	DECIMAL	14	PSPTREAD	READ
1	DECIMAL	15	PSPTREM	Reserved
1	DECIMAL	16	PSPTRETV	Reserved
1	DECIMAL	17	PSPTSTBR	Reserved
1	DECIMAL	18	PSPTTERM	TERMINATE
1	DECIMAL	19	PSPTWTIN	Reserved
1	DECIMAL	20	PSPTWRT	WRITE
1	DECIMAL	21	PSPTTRAN	Reserved
1	HEX	E2	PSPSRES	KEEP
1	HEX	C4	PSPSDEL	DELETE
2	DECIMAL	120	PSPLNG	

RCS Recovery control static storage

```
CONTROL BLOCK NAME = DFHRCSPS
DESCRIPTIVE NAME = CICS RECOVERY CONTOL STATIC STORAGE
FUNCTION =
   Static storage used by recovery control component for
   ECBS AND ANCHORS FOR THREAD MANAGEMENT.
   There is a single instance of this control block in a CICS
   It is allocated and initialized to hex zeroes in DFHSIB1.
   It has the lifetime of the CICS system.
LIFETIME =
   It is allocated and initialized to hex zeroes in DFHSIB1.
   It has the lifetime of the CICS system.
STORAGE CLASS =
   CICS static storage.
LOCATION =
   Addresses from static storage address list.
INNER CONTROL BLOCKS =
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition 
EXTERNAL REFERENCES = None
 DATA AREAS = None
 CONTROL BLOCKS = None
 GLOBAL VARIABLES (Macro pass) = None
        RECOVERY CONTROL PROGRAM STATIC STORAGE
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	RCSTATIC	
(0)	CHARACTER	9	*	Reserved
(9)	BITSTRING	1	*	
	1		*	Reserved
	.1		RCSCPPST	restart complete post bit
(A)	BITSTRING	1	*	
` '	1		*	Reserved
	.1		RCS STP END EVENT	STP keypoint ended
(B)	BITSTRING	1	*	, ·
` '	1		*	Reserved
	.1		RCS_WARM_ KEYPOINT_EVENT	
				ready for keypoint
(C)	FULLWORD	4	RCS_RECORD_COUNT	User log record count
(10)	ADDRESS	4	RCS_AID_CHAIN	AID chain
(14)	CHARACTER	4	*	Reserved
(18)	CHARACTER		RCSTATLN	End

RMG Recovery manager global statistics

```
CONTROL BLOCK NAME = DFHRMGDS
DESCRIPTIVE NAME = CICS Recovery Manager Statistics
FUNCTION =
     This data area contains global statistics provided by the
    Recovery Manager Domain.
    It is provided for use in users monitoring applications
    to map the statistics returned via the API, the statistics
    exit, or offline formatting products.
    There is a single instance of this data block.
LIFETIME =
    This data block is created by the Recovery Manager
    Domain to store statistics to be passed to the user in
    response to a request for statistics. The storage is
    released when the user task is detached.
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from recovery manager domain
GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHRMGDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

(0) FULLWORD 4 (0) Fullword alignment	Offset Hex	Туре	Len	Name (Dim)	Description		
(0) FULLWORD 4 (0) Fullword alignment (1) HALFWORD 2 RMGLEN Length of data area 1.111 RMGIDE "0099" Recovery Manager statistics id mask (2) ADDRESS 2 RMGID RECOVERY Manager statistics id mask (4) CHARACTER 1 RMGVERS "X'01" Stats version number id mask (5) CHARACTER 3 Filler (6) FULLWORD 4 RMGSYBWD Total syncpoints forward (7) FULLWORD 4 RMGSYBWD Total syncpoints backward (8) FULLWORD 4 RMGSYBWD Total syncpoints backward (9) FULLWORD 4 RMGSYBWD Total syncpoints backward (10) FULLWORD 4 RMGSTHIN Total shunted uows for indoubt (11) FULLWORD 4 RMGSSHTI Total time shunted for indoubt (STCK) (20) FULLWORD 4 RMGCSHIN Current time shunted for indoubt (STCK) (21) FULLWORD 4 RMGCSHIT Current time shunted for indoubt (STCK) (22) FULLWORD 4 RMGCSHTI Current time shunted for RO fail (STCK) (30) CHARACTER 8 RMGTSHTR Total time shunted for RO fail (STCK) (33) FULLWORD 4 RMGCSHRO Current owns shunts RO commit fail (30) CHARACTER 8 RMGCSHTC Current time shunted for RO fail (STCK) (38) FULLWORD 4 RMGCSHRO Current owns shunts RO commit fail (30) CHARACTER 8 RMGCSHTR Total time shunted RO RO commit fail (30) CHARACTER 8 RMGCSHTR Current owns shunts RO commit fail (30) CHARACTER 8 RMGCSHRO Current owns shunts RO commit fail (30) CHARACTER 8 RMGCSHTR Current ime shunted RO fail (STCK) (38) FULLWORD 4 RMGISHRO Current owns shunts RO commit fail (50) CHARACTER 8 RMGISHTR Total time shunted RO fail (STCK) (50) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-operator (55) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (55) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-other (56) FULLWORD 5 A RMGIAFOP Total forced Indoubt Actions-other (58) FULLWORD 5 A RMGIAFOP Total forced Indoubt Actions-other (59) FULLWORD 5 A RMGIAFOP Total forced Indoubt Actions-other (50) FULLWORD 6 A RMGIAFOP Total forced Indoubt Actions-other				DFHRMGDS	Recovery Manager Global statistics		
2111		FULLWORD	4	(0)			
.1111 RMGIDE '0099' Recovery Manager statistics id mask (2) ADDRESS 2 RMGID Recovery Manager statistics id 'XO1" Stats version number id mask (4) CHARACTER 1 RMGDVERS Stats version number id mask (5) CHARACTER 3 Filler (8) FULLWORD 4 RMGSYFWD Total syncpoints forward (C) FULLWORD 4 RMGSYBWD Total syncpoints forward (10) FULLWORD 4 RMGRESYN Total syncpoints forward (11) FULLWORD 4 RMGTSHIN Total respectively respectively responsive backward (12) FULLWORD 4 RMGTSHIN Total shunted for indoubt (STCK) (20) FULLWORD 4 RMGCSHIN Current time shunted for indoubt (STCK) (21) FULLWORD 4 RMGTSHRO TOTAL image shunted for product (STCK) (22) FULLWORD 4 RMGTSHRO TOTAL image shunted for RO fall (STCK) (23) CHARACTER 8 RMGTSHTR Current time shunted for RO fall (STCK) (38) FULLWORD 4 RMGCSHTR Total time shunted for RO fall (STCK) (38) FULLWORD 4 RMGCSHTR Current owns shunts RO commit fall (30) CHARACTER 8 RMGCSHTR Current owns shunts RO commit fall (31) CHARACTER 8 RMGCSHTR Current owns shunts RO commit fall (32) CHARACTER 8 RMGCSHTR Current owns shunts RO commit fall (34) FULLWORD 4 RMGCSHTR Current owns shunts RO commit fall (35) CHARACTER 8 RMGCSHTR Total forced Indoubt Actions-trandef (44) FULLWORD 4 RMGAFTI Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGAFTI Total forced Indoubt Actions-trandef (49) FULLWORD 4 RMGAFTI Total forced Indoubt Actions-trandef (50) FULLWORD 4 RMGAFTI Total forced Indoubt Actions-ownait (50) FULLWORD 4 RMGAFTI Total forced Indoubt Actions-ownait (51) FULLWORD 4 RMGAFTI Total forced Indoubt Actions-ownait (52) FULLWORD 5 RMGAFTI Total forced Indoubt Actions-ownait (53) FULLWORD 5 RMGAFTI Total forced Indoubt Actions-ownait (54) FULLWORD 5 RMGAFTI Total forced Indoubt Actions-ownait (55) FULLWORD 6 RMGAFTI Total forced Indoubt Actions-ownait (56) FULLWORD 6 RMGAFTI Total forc		HALFWORD	2	RMGLEN	Length of data area		
(2) ADDRESS 2 RMGID Recovery Manager statistics id	. ,	.1111		RMGIDE	"0099" Recovery Manager statistics id mask		
1 RMGVERS "X'01" Stats version number id mask (4) CHARACTER 1 RMGDVERS Stats version number (5) CHARACTER 3 Filler (8) FULLWORD 4 RMGSYFWD Total syncpoints forward (C) FULLWORD 4 RMGRESYN Total resynchronisations (10) FULLWORD 4 RMGRESYN Total resynchronisations (14) FULLWORD 4 RMGTSHIN Total shunted for indoubt (18) CHARACTER 8 RMGTSHTI Total time shunted for indoubt (20) FULLWORD 4 RMGSSHIN Current uows shunted for indoubt (24) CHARACTER 8 RMGTSHTI Current time shunted for RO fail (STCK) (2C) FULLWORD 4 RMGTSHRO Total ouws shunted for RO fail (STCK) (38) FULLWORD 4 RMGCSHRO Current ows shunted for RO fail (STCK) (38) FULLWORD 4 RMGCSHRO Current ows shunted RO for RO fail (STCK) The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits. (44) FULLWORD 4 RMGIAFTR Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (55) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (56) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (58) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (58) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (59) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (50) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (50) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (51) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (58) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (59) FULLWORD 4 RMGIAFOT Total forced Indoubt Action mismatches	(2)	ADDRESS	2	RMGID			
(5) CHARACTER 3 Filler (8) FULLWORD 4 RMGSYFWD Total syncpoints forward (C) FULLWORD 4 RMGSYBWD Total syncpoints backward (10) FULLWORD 4 RMGRESYN Total resynchronisations (14) FULLWORD 4 RMGTSHIN Total inne shunted for indoubt (STCK) (20) FULLWORD 4 RMGCSHIN Current uows shunted for indoubt (STCK) (20) FULLWORD 4 RMGCSHIN Current uows shunted for indoubt (STCK) (21) FULLWORD 4 RMGCSHIN Current uows shunted for indoubt (STCK) (22) FULLWORD 4 RMGTSHRO Total uows shunted for RO commit fail (30) CHARACTER 8 RMGTSHTR Total time shunted for RO commit fail (30) CHARACTER 8 RMGCSHRO Current ows shunts RO commit fail (31) CHARACTER 8 RMGCSHRO Current uows shunted for RO fail (STCK) (32) CHARACTER 8 RMGCSHRO Current uows shunts RO commit fail (34) CHARACTER 8 RMGCSHRO Current uows shunts RO commit fail (35) CHARACTER 8 RMGCSHTR Total time shunted RO fail (STCK) (36) FULLWORD 4 RMGSHRO Current time shunted RO fail (STCK) (44) FULLWORD 4 RMGIAFTR Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-imeout (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (55) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (56) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (58) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (58) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other	. ,			RMGVERS	"X'01" Stats version number id mask		
(8) FULLWORD 4 RMGSYFWD Total syncpoints forward (C) FULLWORD 4 RMGSYSWD Total syncpoints backward (10) FULLWORD 4 RMGRESYN Total resynchronisations (14) FULLWORD 4 RMGTSHIN Total shunted uows for indoubt (18) CHARACTER 8 RMGTSHTI Total time shunted for indoubt (STCK) (20) FULLWORD 4 RMGCSHIN Current time shunted indoubt (STCK) (21) CHARACTER 8 RMGTSHTI Current time shunted for indoubt (22) FULLWORD 4 RMGTSHRO Total ows shunted for RO commit fail (30) CHARACTER 8 RMGTSHRO Total time shunted for RO fail (STCK) (38) FULLWORD 4 RMGCSHRO Current ows shunted for RO fail (STCK) (30) CHARACTER 8 RMGCSHRO Current ows shunted RO fail (STCK) (31) CHARACTER 8 RMGCSHRO Current time shunted RO fail (STCK) (32) CHARACTER 8 RMGCSHRO Current time shunted RO fail (STCK) (34) FULLWORD 4 RMGLAFTR Total forced Indoubt Actions-trandef (44) FULLWORD 4 RMGIAFTR Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGIAFTN Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFNW Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (55) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-operator (56) FULLWORD 5 RMGIAFOT Total forced Indoubt Action mismatches	(4)	CHARACTER	1	RMGDVERS	Stats version number		
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(30) CHARACTER 8 RMGTSHTR Total time shunted for RO fail (STCK) (38) FULLWORD 4 RMGCSHRO Current ouws shunts RO commit fail (3C) CHARACTER 8 RMGCSHTR Current time shunted RO fail (STCK) The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits. (44) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (55) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other (58) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits as a result of	(24)	CHARACTER	8	RMGCSHTI	Current time shunted indoubt (STCK)		
(38) FULLWORD 4 RMGCSHRO Current ouws shunts RO commit fail (3C) CHARACTER 8 RMGCSHTR Current time shunted RO fail (STCK) The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits. (44) FULLWORD 4 RMGIAFTR Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-timeout (4C) FULLWORD 4 RMGIAFNW Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other (58) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits as a result of	(2C)	FULLWORD	4	RMGTSHRO	Total ouws shunted for RO commit fail		
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exposures due to forced termination of indoubt waits. (44) FULLWORD 4 RMGIAFTR Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-timeout (4C) FULLWORD 4 RMGIAFNW Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other (58) FULLWORD 4 RMGIAMIS Total forced Indoubt Actions-other (58) FULLWORD 5 Total forced Indoubt Actions-other (59) FULLWORD 5 Total forced Indoubt Actions-other (59) FULLWORD 7 Total forced Indoubt Action mismatches	(3C)	CHARACTER	8	RMGCSHTR	Current time shunted RO fail (STCK)		
(44) FULLWORD 4 RMGIAFTR Total forced Indoubt Actions-trandef (48) FULLWORD 4 RMGIAFTI Total forced Indoubt Actions-timeout (4C) FULLWORD 4 RMGIAFNW Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other (58) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits as a result of							
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(4C) FULLWORD 4 RMGIAFNW Total forced Indoubt Actions-nowait (50) FULLWORD 4 RMGIAFOP Total forced Indoubt Actions-operator (54) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other (58) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other Total forced Indoubt Actions-other Total Indoubt Action mismatches The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits as a result of	(44)	FULLWORD	4	RMGIAFTR	Total forced Indoubt Actions-trandef		
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(54) FULLWORD 4 RMGIAFOT Total forced Indoubt Actions-other (58) FULLWORD 4 RMGIAMIS Total Indoubt Action mismatches The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits as a result of	(4C)	FULLWORD	4	RMGIAFNW	Total forced Indoubt Actions-nowait		
(58) FULLWORD 4 RMGIAMIS Total Indoubt Action mismatches The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits as a result of	(50)	FULLWORD	4	RMGIAFOP	Total forced Indoubt Actions-operator		
The following fields show a breakdown of the possible integrity exposures due to forced termination of indoubt waits as a result of	(54)	FULLWORD	4	RMGIAFOT	Total forced Indoubt Actions-other		
exposures due to forced termination of indoubt waits as a result of	(58)	FULLWORD	4	RMGIAMIS	Total Indoubt Action mismatches		
a communicating system/resource manager or resource not being able to support indoubt waiting and is therefore a subset of RMGIAFNW.	exposures due to forced termination of indoubt waits as a result of a communicating system/resource manager or resource not being able						
(5C) FULLWORD 4 RMGNWTD Total forced for no waiting in TD	(5C)	FULLWORD	4	RMGNWTD	Total forced for no waiting in TD		
(60) FULLWORD 4 RMGNW61 Total forced for no waiting in LU61							
(64) FULLWORD 4 RMGNWMRO Total forced for no waiting in MRO	` '						
(68) FULLWORD 4 RMGNWRMI Total forced for no waiting in RMI	` '						
(6C) FULLWORD 4 RMGNWOTH Total forced for no waiting in other							

RMGEND

RMUXC Recovery manager domain inline access

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	131	RMUX_INLINE_ ACCESS STRUCTURE	
(0)	CHARACTER	8	RMUX LOCAL UOW ID	
(8)	CHARACTER	27	RMUX REMOTE UOW ID	
(8)	UNSIGNED	1	RMUX_REMOTE_ ID_LENGTH	
(9)	UNSIGNED	1	RMUX_REMOTE_ ID_LU_NAME_LENGTH	
(A)	CHARACTER	25	*	
(23)	BITSTRING	1	RMUX_FLAGS	
	1		OPTIMAL_ CLIENTS_ONLY	
				Only optimal clients are involved in this UOW.
(24)	ADDRESS	4	RMUX_WORK_ TOKEN_ARRAY (19)	
(70)	CHARACTER	19	RMUX_CLIENT_ STATES	
(70)	BITSTRING	1	CLIENT_STATE (19)	
	1		COMMIT_ COMPLETE	has locally committed
	.111 1111		*	

Constants

Len	Туре	Value	Name	Description
1	DECIMAL	19	RMUX MAX RO	

RPD DL/I general purpose macro

DESCRIPTIVE NAME = CICS CICS DL/I General Purpose Macro FUNCTION = Provide the remote PDIR entry. DEPENDENCIES = S/390 RESTRICTIONS = NONE MODULE TYPE = EXECUTABLE

Туре	Len	Name (Dim)	Description
STRUCTURE	28	DFHRPD	
HALFWORD	2	RPDLTH	Length of RPDIR Entry
CHARACTER	1	RPDIREND	Stop Byte (FF after last entry)
CHARACTER	1	RPDFLG1	Flag Byte 1
CHARACTER	1	RPDFLG2	Flag Byte 2
CHARACTER	8	RPDNAME	PSB name on this system
CHARACTER	8	RPDRNAME	PSB name on remote system
CHARACTER	4	RPDRSYS	Remote system name
FULLWORD	4	RPDMXSSA	Max SSA Size
	STRUCTURE HALFWORD CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER	STRUCTURE 28 HALFWORD 2 CHARACTER 1 CHARACTER 1 CHARACTER 1 CHARACTER 8 CHARACTER 8 CHARACTER 8 CHARACTER 4	STRUCTURE 28 DFHRPD HALFWORD 2 RPDLTH CHARACTER 1 RPDIREND CHARACTER 1 RPDFLG1 CHARACTER 1 RPDFLG2 CHARACTER 8 RPDNAME CHARACTER 8 RPDRNAME CHARACTER 4 RPDRSYS

RSB DL/I general purpose macro

MACRO NAME = DFHDLP
DESCRIPTIVE NAME = CICS DL/I General Purpose Macro
FUNCTION = NOTES : DEPENDENCIES = S/370 RESTRICTIONS = NONE PATCH LABEL = NONE
MODULE TYPE = EXECUTABLE
REMOTE SCHEDULING BLOCK

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHRSBDS	
(0)	FULLWORD	4		STORAGE ACCOUNTING
(4)	FULLWORD	4		STORAGE ACCOUNTING
(=)	1		RSBSTART	"*" START OF RSB
(8)	ADDRESS	4	RSBPDIR	A(REMOTE PDIR ENTRY)
(C)	CHARACTER	4	RSBSYSID	REMOTE SYSTEM ID
-	IST FOR IS CONVE		Deblebi (0)	
(10) (10)	FULLWORD CHARACTER	4 1	RSBISPL (0) (0)	REQUEST TYPE
(10)	CHARACTER	1	(0)	RETURN CODE
(11)	CHARACTER	1		MODIFIER, REQUEST INDEPENDENT
(11)	CHARACTER	1		MODIFIER, REQUEST DEPENDENT
(13)	CHARACTER	1		RESERVED
(14)	FULLWORD	4		TCTTE ADDRESS
(18)	FULLWORD	4	(0)	XFR ADDRESS
(18)	CHARACTER	4	. ,	TRANSACTION ID
(1C)	CHARACTER	4		REMOTE SYSTEM ID
(20)	CHARACTER	8		TRANSACTION ROUTING PROFILE
(28)	HALFWORD	2		Number of send sessions
(2A)	HALFWORD	2		Number of receive sessions
(2C)	CHARACTER	8		Connectee NETNAME
(34)	CHARACTER	8		Security name
(3C)	FULLWORD	4		Address of LCL entry
(40)	FULLWORD	4		Address of CRB
MACRO FUNCT De	Control DS = DFHXFSTG	Block.		
(48)	DBL WORD	8	XFRSTART (0)	XF control block - start
	ELDS IN THE XF CO O AN ONLINE ENVIR		CK THAT ARE UNIQUE	
	SYSTEM/SESSION	N RELATED F	IELDS	
(48)	CHARACTER	4	XFRSYSNM	N(SYSID)
(4C)	ADDRESS	4	XFRATCSE	A(TCTSE)
(50)	ADDRESS	4	XFRATCTE	A(TCTTE) OR 0
(54)	ADDRESS	4	XFRATIOA	A(TIOA) OR 0
(58)	CHARACTER	4	XFRLUCCD	LU6.2 ERROR (SENSE) CODE
(5C)	CHARACTER	4	XFRSTRAN	Server transaction code
(60)	BITSTRING	1	XFRFLAGA	
. ,	1		XFRSERVR	"X'80'" Server transaction supplied
	.1		XFRNORM	"X'40" Normal transformer to be used
	1		XFRSYNC	"X'20" SYNCONRETURN requested
	1		XFRNOATN	"X'10" CONVERSE with NOATNI required
	1		XFRLINK	"X'08" LINK request
(00)	1	_	XFRRTDST	"X'04" Dynamically routed START request
(62)	HALFWORD	2	XFRRTRLN	Length of router commarea or 0
(64)	ADDRESS	4	XFRRTRAD	A(DFHDSRP) or 0
(68)	BITSTRING	1	(7) VEDESDEC (0)	reserved Origin for function appositio storage
(70)	FULLWORD	4	XFRFSPEC (0)	Origin for function specific storage
(70)	DL/I RELATED FIE	ELDS 4	YEDALIID	A/LIID)
(70) (74)	FULLWORD	4	XFRAUIB XFRDLILN	A(UIB) Maximum length os SETS I/O area so far
	FILE CONTROL RI	ELATED FIEL	DS	
	O NAME = DFHFCEN RIPTIVE NAME = CIC	NT CS Transforme	er File Control Operation	
	Table Entry D	SECT.		
(78) (78)	FULLWORD ADDRESS	4 4	XFRFCENT (0)	TEMP FC OP ENTRY FOR DFHXFX ADDRESS OF NEXT ENTRY

Offset	Туре	Len	Name (Dim)	Description
Hex (7C)	CHARACTER	4		NAME OF SYSTEM OWNING FILE
(80)	CHARACTER	8		FILE NAME ON REMOTE SYSTEM
(88)	HALFWORD	2		REQID
(8A)	HALFWORD	2		KEYLENGTH
(8C)	ADDRESS ADDRESS	4 4		ADDR OF RIDFLD ADDR OF BUFFER FOR READ SET
(90) (94)	HALFWORD	2		LGTH OF BUFFER FOR READ SET
(96)	CHARACTER	1		FIRST FLAG BYTE
(97)	CHARACTER	1		SECOND FLAG BYTE
(98)	FULLWORD	4	(0)	MAKE LENGTH MULTIPLE OF 4
			ed for remote program link	DO LINIZ antrino harris harr
(70) (70)	FULLWORD CHARACTER	4 8	DFHPCENT (0) XFRPNAME	PC LINK entries begin here name of program
(78)	HALFWORD	2	XFRCOMML	length of commarea
(7A)	HALFWORD	2	XFRDATAL	length of data to be sent
(7C)	CHARACTER	4	XFRABCD	Abend code returned from mirror
(80)	BITSTRING	1	XFRFLAG4	Flag byte
	1 .1		XFRHTRAN XFRDATAV	"X'80" hex tranid present "X'40" valid DATALENGTH supplied
	ELDS IN THE XF CC		CK THAT ARE UNIQUE	A to Talla B. W. Z. Z. C. W. Supplied
	O A BATCH ENVIRO			
(48)	ADDRESS	4	XFRASTG1	ADDRESS OF STG CONTAINING THE FLATTENED PLIST. THE TRANSFORMER GETS NEW STG IF XFRASTGE IS 0 OR REUSES THE CURRENT STG IF THIS PROVES LARGE ENOUGH
(4C)	ADDRESS	4	XFRASTG4	ADDRESS OF THE FLATTENED REPLY IN THE BUFFERS OF BATCH DL/I.
(50)	FULLWORD	4	XFRASTGL	LENGTH OF THE FLATTENED REPLY IN THE DL/I BUFFERS
	ELDS IN THE XF CC O A BATCH AND ON		CK THAT ARE COMMON NMENTS	
(98)	ADDRESS	4	XFRPLIST	ADDRESS OF PLIST PASSED TO TRANSFORMER OR ADDRESS OF PLIST CREATED BY
				TRANSF'R
(9C) (A0)	ADDRESS ADDRESS	4 4	XFRATABN XFRATAB2	A(1ST TABLE ENTRY) OR 0 - E.G. RPDIR OR DCTTE A(2ND TABLE ENTRY) - E.G. PDIR OR 0
(A0) (A4)	CHARACTER	1	XFRFORMN	THE TRANSFORMER INDEX - WITH VALUES SET AS FOLLOWS
(714)		•	XFRTRAN1	"0" TRANSFORMER 1 - VERTICAL TO HORIZONTAL REQUESTS
	1.		XFRTRAN2	"2" TRANSFORMER 2 - HORIZONTAL TO VERTICAL REQUESTS
	1		XFRTRAN3	"4" TRANSFORMER 3 - VERTICAL TO HORIZONTAL REPLIES
(45)	11.	0	XFRTRAN4	"6" TRANSFORMER 4 - HORIZONTAL TO VERTICAL REPLIES
(A5) (A7)	CHARACTER CHARACTER	2 1	XFRARCHD XFRGROUP	USED TO SHOW CICS OR SNA ARCHITECTURE WHEN A CHOICE IS AVAILABLE THE GROUP IDENTIFIER FOR THE CURRENT REQUEST
(A7)	11.		XFRFCGRP	"X'06" - THE CICS FC GROUP
	1		XFRTDGRP	"X'08" - THE CICS TD GROUP
	1.1.		XFRTSGRP	"X'0A'" - THE CICS TS GROUP
	1		XFRICGRP	"X'10" - THE CICS IC GROUP
	1 .1		XFRJCGRP XFRDLGRP	"X'14"' - THE CICS JC GROUP "X'40"' - THE DL/I GROUP
(A8)	CHARACTER	1	XFRFUNCT	THE FUNCTION IDENTIFIER FOR THE CURRENT REQUEST
(A9)	CHARACTER	1	XFRFLAGS	PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS
	1		XFREILST	"X'80" THE ARGUMENT LIST COMES FROM OR GOES TO EIP
	.1		XFRDLLST	"X'40" THE ARGUMENT LIST COMES FROM OR GOES TO DL/I
	1		XFRDLCNT XFRDLPLI	"X'20" FIRST ARGUMENT IS A COUNT OF THE REMAINING ARGUMENTS "X'10" THE DL/I REQUEST COMES FROM PL/I - INDIRECTION EXISTS
	1		XFRATHDR	"X'08"" AN ATTACH HEADER HAS BEEN PUT OUT BEFORE OTHER DATA
	1		XFRLNGRN	"X'04" THE MIRROR TASK NEEDS TO BE LONG RUNNING
	1.		XFRNRPLY	"X'02" THE REQUEST IS TO BE SHIPPED; HOWEVER NO REPLY IS EXPECTED
(AA)	1 CHARACTER	1	XFRPRTCT	"X'01" THE REQUEST IS TO BE SHIPPED PROTECTED
(AA)	1	,	XFRFLAG1 XFRLCLQ	PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS "X'80" THE REQUEST MAY BE QUEUED BEFORE SHIPPING
	.1		XFRFCTK	"X'40" FC Token can be shipped
(AB)	CHARACTER	1	XFRFLAG2	PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS
	1		XFRHAENT XFRLENFD	"X'80" DFHMIRVM has handled an abend; the abend code is to be found in the TACB "X'40" LENGTH parameter forced for a FILE READ request which didn't specify LENGTH parameter originally
(AC)	CHARACTER	1	XFRFLAG3	PARAMETER LIST FLAGS - WITH ALL VALUES RESERVED
(AD)	CHARACTER	2	XFRCODES (0)	FLAGS INDICATING WHERE CONTROL IS TO BE PASSED UPON RETURN FROM THE TRANSFORMER
(AD)	CHARACTER1	1	XFRCODE1	THE FIRST SET OF FLAGS - THE NEXT DEFINITIONS APPLY TO RETURN FROM TRANSFORMERS 1 AND 4 WITH VALUES SET AS FOLLOWS
			XFR1TO4	"4" TRANSFORMER 1 HAS FOUND AN ERROR - CONTROL IS TO BE PASSED TO TRANSFORMER 4
	1		XFR1TOC XFR1XLNF	"8" TRANSFORMER 1 HAS FOUND ERROR - CONTROL IS TO BE PASSED BACK TO EIP OR DL/I "2" XLN failure THE NEXT DEFINITIONS APPLY TO RETURN FROM ISP WITH VALUES
				SET AS FOLLOWS
	1 111.		XFRLNKAP	"30" Allocate request in ISP has been purged
	1 11		XFRLNKAR XFRLNKNI	"28" Allocate request in ISP has been rejected "26" no sessions immediately available for allocate request
	1 1.1.		XFRLNKPF	"24" ALLOCATE IN ISP HAS FAILED BECAUSE PROFILE DFHCICSF IS MISSING
	1 .11.		XFRLNKSV	"22" TRANSID invalid, we are already in session with a different mirror transaction.
	1 .1		XFRLNKGP	"20" ALLOCATE IN ISP HAS FAILED BECAUSE THE MODENAME IS INVALID
	11.		XFRLNKSP	"18" SYNCONRETURN invalid, we are already in session with a mirror
	1 111.		XFRLNKLQ XFRLNKAB	"16" LOCAL QUEUEING HAS FAILED - BAD RETURN FROM DFHICP TYPE=PUT "14" xform 4 has processed ABCODE data
			A INCINIAL	1- AIOIIII - IIIII PIOCOSSOU ADOODE uala

Offset Hex	Туре	Len	Name (Dim)	Description
	11		XFRLNKNA	"12" ALLOCATE IN ISP HAS FAILED BECAUSE THE LINK IS NOT IN THE INTERSYSTEM TABLE
	1.1.		XFRLNKSF XFRLNKSH	"10" CONVERSE in DFHISP has failed "8" ALLOCATE IN ISP HAS FAILED BECAUSE THE LINK, THOUGH EXISTING, IS OUT OF SERVICE
	11.		XFRLNKNS XFRLNKSY	"6" Type of request is not supported over LU6.1 links "4" ALLOCATE IN ISP HAS FAILED BECAUSE NAME IS NOT THAT OF TCTSE
(AE)	CHARACTER	1	XFRCODE2	THE SECOND SET OF FLAGS - APPLY TO RETURN FROM TRANSFORMERS 2 AND 3
	1		XFR2TO3	WITH VALUES SET AS FOLLOWS "4" TRANSFORMER 2 HAS FOUND AN ERROR - CONTROL IS TO BE PASSED TO TRANSFORMER 3
	1		XFRNEGR	"8" TRANSFORMER 2 HAS FOUND AN ERROR - A NEGATIVE RESPONSE IS TO BE SENT
(AF)	CHARACTER	1	XFRABCDE	ABEND CODE INDICATOR PASSED BACK FROM THE TRANSFORMER TO THE BATCH CONTROLLER PROGRAM
(B0)	ADDRESS	4	XFRRESR9	resumption base for DL/I function shipping
(B4)	ADDRESS	4	XFRRESRE	resumption address for DL/I function shipping
(B8)	ADDRESS	4	XFRBEGOP	address of Arg0 options bytes
(BC)	FULLWORD	4	XFRARGS (0)	ORIGIN FOR ARGUMENTS
	.111 .1		XFRLNGTH	"*-XFRSTART"
TR	ANSFORMER'S RESC	DURCE TAR	BI F	
(C0)	DBL WORD	8	DRXSTRT (0)	START OF DFHDRX
(C0)	FULLWORD	4	DRXSSASZ	MAX SSA SIZE AS PERCEIVED BY THIS SYSTEM
(C4)	CHARACTER	8	DRXRPSB	NAME OF PSB TO BE USED ON REMOTE SYSTEM
(CC)	ADDRESS	4	DRXPCHAIN	A(LOCAL PCB ADDRESS LIST) THIS FIELD IS SET BY XFR4 DURING SCHEDULE CALL AND IS USED DURING DB CALLS CHAIN OF STORAGE SCHAMES OPTAINED BY TRANSFORMED 4
(D0)	ADDRESS	4	DRXCHAIN	CHAIN OF STORAGE SEGMENTS OBTAINED BY TRANSFORMER 4
(D4)	ADDRESS	4	DRXIOAWK	A(READ SET BUFFER); BEFORE DRXBUFAL SET ON CONTAINS LENGTH FOR BUFFER
(D8)	HALFWORD BITSTRING	2 1	DRXINDEX DRXISC	THE PCB INDEX FOR THE CURRENT DATABASE CALL ISC FLAGS
(DA)	1	ļ		"X'80"" PRESENT TO RETAIN SDB - DL/I SIMILARITY
	.1		DRXPCBM DRXBUFAL	"X'40" READ-SET BUFFER HAS BEEN ALLOCATED; THE ADDRESS IS IN DRXIOAWK
	1		DRXCHKP	
			DRACHKP	"X'20" PCB SCHED. ISSUED DURING CHKP CALL; XFR4 SHOULD USE STG FOR OLD
(DD)	BITSTRING		DRXISCO	PCBS AND LIST ISC OUTBOUND FLAGS
(DB)	1	1	DRXSYNC	"X'80"" PRESENT TO RETAIN SDB - DL/I SIMILARITY
	.1		DRXHLPI	"X'40" HLPI COMMAND WITH SSA AND I/O LENGTHS GIVEN
(DC)	BITSTRING	1	DRXISCI	ISC INBOUND FLAGS
(DC)	1	1	DRXFUNC	"X'80" FUNCTION STRING INVALID
	.1		DRXCALL	"X'40" USER CALL PARM LIST INVALID
	1		DRXLNKNA	"X'20"" LINK DOES NOT EXIST
	1		DRXLNKSH	"X'10"" LINK IS OUT OF SERVICE
	1		DRXNOSTT	"X'08" PRESENT TO RETAIN SDB - DL/I SIMILARITY
(DD)	BITSTRING	1	DRXFCTR	RESPONSE BYTE FROM CICS SYSTEM CORRESP TO TCAFCTR (SET BY XFR4)
(DE)	BITSTRING	1	DRXDLTR	RESPONSE BYTE FROM CICS SYSTEM CORRESP TO TCADLTR (SET BY XFR4)
(DE)	BITSTRING	1	DRXLANG	LANGUAGE TYPE, USED BY XFR1 ON SCHEDULE CALL. IF PL/I THEN LEVEL OF
(DI)	111	'	DRXASM	INDIRECTION ADDED TO PCB LIST "C/A" ASSEMBLER
	1111		DRXCOB	"C'C" COBOL
	11.1 .111		DRXPLI	"C'P'" PL/I
(E0)	BITSTRING	1	DRXFLG1	FLAG BYTE
(20)	1		DRXCMPT	"X'80" COMPAT OPTION USED (HENCE A DUMMY PCB MUST BE ADDED TO LIST, AND TAKEN ACCOUNT OF IN DB CALL)
	.1		DRXSPIE	"X'40" TELL SPIE THAT IF PGM CHECK OCCURS, THEN INVOKE RETRY
	1		DRXDPCB	"X'20" THE DUMMY PCB HAS YET TO BE CREATED BY TRANSFORMER 4
(E4)	FULLWORD	4	DRXRETAD	ADDRESS OF POINT IN TRANSFORMER TO WHICH RETRY ROUTINE SHOULD RETURN
(E8)	FULLWORD	4	DRXIOLEN	I/O AREA LENGTH FOR HLPI COMMAND - VALID IF DRXHLPI IS SET
(EC)	CHARACTER	1	DRXATPN	TYPE LAST ATTACH HEADER LAST SENT. THERE IS PROBABLY A BETTER PLACE TO
` '		_		HOLD THIS. ONLINE THE INFO IS HELD IN THE TCTTE
(ED)	CHARACTER	6	DRXRCODE (0)	RETURN CODE FROM AN EXEC CICS REQUEST
(ED)	CHARACTER	1	DRXRCDE1	RESPONSE CODE
(EE)	CHARACTER	1	DRXRCDE2	RESERVED
(EF)	CHARACTER	1	DRXRCDE3	RESERVED
(F0)	CHARACTER	1	DRXRCDE4	RESERVED
(F1)	CHARACTER	1	DRXRCDE5	RESERVED
(F2)	CHARACTER	1	DRXRCDE6	RESERVED
	1111		DRXLEN	"*-DRXSTRT" LENGTH OF DFHDRX
(F4)	ADDRESS	4	RSBEXPRM	ADDR OF EDP'S DBLWD FOR LOCATE MODE RETRIEVAL
	1111		RSBLEN	"*-RSBSTART" LENGTH OF RSB

RSB DL/I general purpose macro

MACRO NAME = DFHDLP
DESCRIPTIVE NAME = CICS DL/I General Purpose Macro
FUNCTION = NOTES : DEPENDENCIES = S/370 RESTRICTIONS = NONE PATCH LABEL = NONE
MODULE TYPE = EXECUTABLE
REMOTE SCHEDULING BLOCK

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	FULLWORD	4	DFHRSBDS	CTOPACE ACCOUNTING
(0) (4)	FULLWORD FULLWORD	4 4		STORAGE ACCOUNTING STORAGE ACCOUNTING
(4)	1	-	RSBSTART	"*" START OF RSB
(8)	ADDRESS	4	RSBPDIR	A(REMOTE PDIR ENTRY)
(C)	CHARACTER	4	RSBSYSID	REMOTE SYSTEM ID
	LIST FOR IS CONVER		Deblebi (o)	
(10) (10)	FULLWORD CHARACTER	4 1	RSBISPL (0) (0)	REQUEST TYPE
(10)	CHARACTER	1	(0)	RETURN CODE
(11)	CHARACTER	1		MODIFIER, REQUEST INDEPENDENT
(12)	CHARACTER	1		MODIFIER, REQUEST DEPENDENT
(13) (14)	CHARACTER FULLWORD	1 4		RESERVED TCTTE ADDRESS
(14)	FULLWORD	4	(0)	XFR ADDRESS
(18)	CHARACTER	4	(*)	TRANSACTION ID
(1C)	CHARACTER	4		REMOTE SYSTEM ID
(20)	CHARACTER	8		TRANSACTION ROUTING PROFILE
(28) (2A)	HALFWORD HALFWORD	2 2		Number of send sessions Number of receive sessions
(2C)	CHARACTER	8		Connectee NETNAME
(34)	CHARACTER	8		Security name
(3C)	FULLWORD	4		Address of LCL entry
(40)	FULLWORD RANSFORMER'S (DF	4		Address of CRB
MACRO FUNCT De	Control OS = DFHXFSTG	Block. rmation (XF)		
(48)	DBL WORD	8	XFRSTART (0)	XF control block - start
	ELDS IN THE XF CO		CK THAT ARE UNIQUE	
	SYSTEM/SESSION		EIEI De	
(40)				N/O/OID)
(48) (4C)	CHARACTER ADDRESS	4 4	XFRSYSNM XFRATCSE	N(SYSID) A(TCTSE)
(50)	ADDRESS	4	XFRATCTE	A(TOTTOE) A(TOTTOE) OR 0
(54)	ADDRESS	4	XFRATIOA	A(TIOA) OR 0
(58)	CHARACTER	4	XFRLUCCD	LU6.2 ERROR (SENSE) CODE
(5C) (60)	CHARACTER BITSTRING	4 1	XFRSTRAN XFRFLAGA	Server transaction code
(00)	1	'	XFRSERVR	"X'80" Server transaction supplied
	.1		XFRNORM	"X'40" Normal transformer to be used
	1		XFRSYNC	"X'20" SYNCONRETURN requested
	1		XFRNOATN XFRLINK	"X'10" CONVERSE with NOATNI required "X'08" LINK request
	1		XFRRTDST	"X'04" Dynamically routed START request
(62)	HALFWORD	2	XFRRTRLN	Length of router commarea or 0
(64)	ADDRESS	4	XFRRTRAD	A(DFHDSRP) or 0
(68)	BITSTRING	1 4	(7) XFRFSPEC (0)	reserved Origin for function specific storage
(70)		4	AFRESPEC (U)	Origin for function specific storage
	FULLWORD			
(70)	DL/I RELATED FIE			A/I IIB)
(70) (74)		LDS 4 4	XFRAUIB XFRDLILN	A(UIB) Maximum length os SETS I/O area so far
	DL/I RELATED FIE	4 4	XFRAUIB XFRDLILN	
(74) MACR	DL/I RELATED FIE ADDRESS FULLWORD FILE CONTROL RE O NAME = DFHFCEN RIPTIVE NAME = CIO	4 4 ELATED FIE IT S Transform	XFRAUIB XFRDLILN	
(74) MACR	DL/I RELATED FIE ADDRESS FULLWORD FILE CONTROL RE O NAME = DFHFCEN	4 4 ELATED FIE IT S Transform	XFRAUIB XFRDLILN LDS	

Offset Hex	Туре	Len	Name (Dim)	Description
(7C)	CHARACTER	4		NAME OF SYSTEM OWNING FILE
(80)	CHARACTER	8		FILE NAME ON REMOTE SYSTEM
(88)	HALFWORD	2		REQID
(8A)	HALFWORD	2 4		KEYLENGTH
(8C) (90)	ADDRESS ADDRESS	4		ADDR OF RIDFLD ADDR OF BUFFER FOR READ SET
(94)	HALFWORD	2		LGTH OF BUFFER FOR READ SET
(96)	CHARACTER	1		FIRST FLAG BYTE
(97)	CHARACTER	1		SECOND FLAG BYTE
(98)	FULLWORD	4	(0)	MAKE LENGTH MULTIPLE OF 4
This D	SECT describes the e	ntries requir	ed for remote program link	
(70)	FULLWORD	4	DFHPCENT (0)	PC LINK entries begin here
(70)	CHARACTER	8	XFRPNAME	name of program
(78)	HALFWORD	2	XFRCOMML	length of commarea
(7A)	HALFWORD	2	XFRDATAL	length of data to be sent
(7C)	CHARACTER	4	XFRABCD	Abend code returned from mirror
(80)	BITSTRING	1	XFRFLAG4	Flag byte
	1		XFRHTRAN XFRDATAV	"X'80" hex tranid present "X'40" valid DATALENGTH supplied
		ITPOL BLO	CK THAT ARE UNIQUE	X40 Valid BXXXEENOTT Supplied
	A BATCH ENVIRON		CK THAT ARE UNIQUE	
(48)	ADDRESS	4	XFRASTG1	ADDRESS OF STG CONTAINING THE FLATTENED PLIST. THE TRANSFORMER GETS NEW STG IF XFRASTGE IS 0 OR REUSES THE CURRENT STG IF THIS PROVES LARGE ENOUGH
(4C) (50)	ADDRESS FULLWORD	4 4	XFRASTG4 XFRASTGL	ADDRESS OF THE FLATTENED REPLY IN THE BUFFERS OF BATCH DL/I. LENGTH OF THE FLATTENED REPLY IN THE DL/I BUFFERS
			CK THAT ARE COMMON	ELNOTH OF THE FEATTENED REFET IN THE BET BOTTERO
TC	A BATCH AND ONLI			ADDRESS OF PLIST PASSED TO TRANSFORMER OR ADDRESS OF PLIST CREATED BY
(98)	ADDRESS	4	AFRELIST	TRANSF'R
(9C)	ADDRESS	4	XFRATABN	A(1ST TABLE ENTRY) OR 0 - E.G. RPDIR OR DCTTE
(A0)	ADDRESS	4	XFRATAB2	A(2ND TABLE ENTRY) - E.G. PDIR OR 0
(A4)	CHARACTER	1	XFRFORMN	THE TRANSFORMER INDEX - WITH VALUES SET AS FOLLOWS
			XFRTRAN1	"0" TRANSFORMER 1 - VERTICAL TO HORIZONTAL REQUESTS
	1.		XFRTRAN2	"2" TRANSFORMER 2 - HORIZONTAL TO VERTICAL REQUESTS
	11.		XFRTRAN3 XFRTRAN4	"4" TRANSFORMER 3 - VERTICAL TO HORIZONTAL REPLIES "6" TRANSFORMER 4 - HORIZONTAL TO VERTICAL REPLIES
(A5)	CHARACTER	2	XFRARCHD	USED TO SHOW CICS OR SNA ARCHITECTURE WHEN A CHOICE IS AVAILABLE
(A7)	CHARACTER	1	XFRGROUP	THE GROUP IDENTIFIER FOR THE CURRENT REQUEST
(/	11.	-	XFRFCGRP	"X'06"" - THE CICS FC GROUP
	1		XFRTDGRP	"X'08"" - THE CICS TD GROUP
	1.1.		XFRTSGRP	"X'0A"" - THE CICS TS GROUP
	1		XFRICGRP	"X'10" - THE CICS IC GROUP
	1 .1		XFRJCGRP	"X'14" - THE CICS JC GROUP
(40)	.1		XFRDLGRP	"X'40" - THE DL/I GROUP
(A8)	CHARACTER	1	XFRFUNCT	THE FUNCTION IDENTIFIER FOR THE CURRENT REQUEST PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS
(A9)	CHARACTER 1	1	XFRFLAGS XFREILST	"X'80" THE ARGUMENT LIST COMES FROM OR GOES TO EIP
	.1		XFRDLLST	"X'40" THE ARGUMENT LIST COMES FROM OR GOES TO EIP
	1		XFRDLCNT	"X'20" FIRST ARGUMENT IS A COUNT OF THE REMAINING ARGUMENTS
	1		XFRDLPLI	"X'10" THE DL/I REQUEST COMES FROM PL/I - INDIRECTION EXISTS
	1		XFRATHDR	"X'08" AN ATTACH HEADER HAS BEEN PUT OUT BEFORE OTHER DATA
	1		XFRLNGRN	"X'04" THE MIRROR TASK NEEDS TO BE LONG RUNNING
	1.		XFRNRPLY	"X'02" THE REQUEST IS TO BE SHIPPED; HOWEVER NO REPLY IS EXPECTED
	1		XFRPRTCT	"X'01" THE REQUEST IS TO BE SHIPPED PROTECTED
(AA)	CHARACTER	1	XFRFLAG1	PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS
	1 .1		XFRLCLQ XFRFCTK	"X'80" THE REQUEST MAY BE QUEUED BEFORE SHIPPING "X'40" FC Token can be shipped
(AB)	CHARACTER	1	XFRFLAG2	PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS
(710)	1	•	XFRHAENT	"X'80" DFHMIRVM has handled an abend; the abend code is to be found in the TACB
	.1		XFRLENFD	"X'40" LENGTH parameter forced for a FILE READ request which didn't specify LENGTH parameter originally
(AC)	CHARACTER	1	XFRFLAG3	PARAMETER LIST FLAGS - WITH ALL VALUES RESERVED
(AD)	CHARACTER	2	XFRCODES (0)	FLAGS INDICATING WHERE CONTROL IS TO BE PASSED UPON RETURN FROM THE TRANSFORMER
(AD)	CHARACTER	1	XFRCODE1	THE FIRST SET OF FLAGS - THE NEXT DEFINITIONS APPLY TO RETURN FROM TRANSFORMERS 1 AND 4 WITH VALUES SET AS FOLLOWS
	1		XFR1TO4	"4" TRANSFORMER 1 HAS FOUND AN ERROR - CONTROL IS TO BE PASSED TO TRANSFORMER 4
	1		XFR1TOC	"8" TRANSFORMER 1 HAS FOUND ERROR - CONTROL IS TO BE PASSED BACK TO EIP OR DL/I
	1.		XFR1XLNF	"2" XLN failure THE NEXT DEFINITIONS APPLY TO RETURN FROM ISP WITH VALUES SET AS FOLLOWS
	1 111.		XFRLNKAP	"30" Allocate request in ISP has been purged
	1 11		XFRLNKAR	"28" Allocate request in ISP has been rejected
	1 1.1.		XFRLNKNI VEDI NIKDE	"26" no sessions immediately available for allocate request
	1 .11.		XFRLNKPF XFRLNKSV	"24" ALLOCATE IN ISP HAS FAILED BECAUSE PROFILE DFHCICSF IS MISSING "22" TRANSID invalid, we are already in session with a different mirror transaction.
	1 .11.		XFRLNKSV XFRLNKGP	"20" ALLOCATE IN ISP HAS FAILED BECAUSE THE MODENAME IS INVALID
	11.		XFRLNKSP	"18" SYNCONRETURN invalid, we are already in session with a mirror
	1		XFRLNKLQ	"16" LOCAL QUEUEING HAS FAILED - BAD RETURN FROM DFHICP TYPE=PUT
	111.		XFRLNKAB	"14" xform 4 has processed ABCODE data

Offset Hex	Туре	Len	Name (Dim)	Description
	11		XFRLNKNA	"12" ALLOCATE IN ISP HAS FAILED BECAUSE THE LINK IS NOT IN THE INTERSYSTEM TABLE
	1.1.		XFRLNKSF XFRLNKSH	"10" CONVERSE in DFHISP has failed "8" ALLOCATE IN ISP HAS FAILED BECAUSE THE LINK, THOUGH EXISTING, IS OUT OF SERVICE
	11.		XFRLNKNS XFRLNKSY	"6" Type of request is not supported over LU6.1 links "4" ALLOCATE IN ISP HAS FAILED BECAUSE NAME IS NOT THAT OF TCTSE
(AE)	CHARACTER	1	XFRCODE2	THE SECOND SET OF FLAGS - APPLY TO RETURN FROM TRANSFORMERS 2 AND 3 WITH VALUES SET AS FOLLOWS
	1		XFR2TO3	"4" TRANSFORMER 2 HAS FOUND AN ERROR - CONTROL IS TO BE PASSED TO TRANSFORMER 3
	1		XFRNEGR	"8" TRANSFORMER 2 HAS FOUND AN ERROR - A NEGATIVE RESPONSE IS TO BE SENT
(AF)	CHARACTER	1	XFRABCDE	ABEND CODE INDICATOR PASSED BACK FROM THE TRANSFORMER TO THE BATCH CONTROLLER PROGRAM
(B0)	ADDRESS	4	XFRRESR9	resumption base for DL/I function shipping
(B4)	ADDRESS	4	XFRRESRE	resumption address for DL/I function shipping
(B8)	ADDRESS	4	XFRBEGOP	address of Arg0 options bytes
(BC)	FULLWORD	4	XFRARGS (0)	ORIGIN FOR ARGUMENTS
	.111 .1		XFRLNGTH	"*-XFRSTART"
TR	ANSFORMER'S RES	OURCE TAR	RI F	
				OTABLE OF BEILDRY
(C0)	DBL WORD	8	DRXSTRT (0)	START OF DFHDRX
(C0)	FULLWORD	4	DRXSSASZ	MAX SSA SIZE AS PERCEIVED BY THIS SYSTEM
(C4) (CC)	CHARACTER	8 4	DRXRPSB DRXPCBAL	NAME OF PSB TO BE USED ON REMOTE SYSTEM A(LOCAL PCB ADDRESS LIST) THIS FIELD IS SET BY XFR4 DURING SCHEDULE CALL
(D0)	ADDRESS ADDRESS	4	DRXCHAIN	AND IS USED DURING DB CALLS CHAIN OF STORAGE SEGMENTS OBTAINED BY TRANSFORMER 4
(D0) (D4)	ADDRESS	4	DRXIOAWK	A(READ SET BUFFER); BEFORE DRXBUFAL SET ON CONTAINS LENGTH FOR BUFFER
(D4) (D8)	HALFWORD	2	DRXINDEX	THE PCB INDEX FOR THE CURRENT DATABASE CALL
(DA)	BITSTRING	1	DRXISC	ISC FLAGS
(571)	1		DRXPCBM	"X'80" PRESENT TO RETAIN SDB - DL/I SIMILARITY
	.1		DRXBUFAL	"X'40" READ-SET BUFFER HAS BEEN ALLOCATED; THE ADDRESS IS IN DRXIOAWK
	1		DRXCHKP	"X'20" PCB SCHED. ISSUED DURING CHKP CALL; XFR4 SHOULD USE STG FOR OLD
			DIOGOTIN	PCBS AND LIST
(DB)	BITSTRING	1	DRXISCO	ISC OUTBOUND FLAGS
(55)	1	•	DRXSYNC	"X'80" PRESENT TO RETAIN SDB - DL/I SIMILARITY
	.1		DRXHLPI	"X'40" HLPI COMMAND WITH SSA AND I/O LENGTHS GIVEN
(DC)	BITSTRING	1	DRXISCI	ISC INBOUND FLAGS
(- /	1		DRXFUNC	"X'80" FUNCTION STRING INVALID
	.1		DRXCALL	"X'40" USER CALL PARM LIST INVALID
	1		DRXLNKNA	"X'20" LINK DOES NOT EXIST
	1		DRXLNKSH	"X'10" LINK IS OUT OF SERVICE
	1		DRXNOSTT	"X'08" PRESENT TO RETAIN SDB - DL/I SIMILARITY
(DD)	BITSTRING	1	DRXFCTR	RESPONSE BYTE FROM CICS SYSTEM CORRESP TO TCAFCTR (SET BY XFR4)
(DE)	BITSTRING	1	DRXDLTR	RESPONSE BYTE FROM CICS SYSTEM CORRESP TO TCADLTR (SET BY XFR4)
(DF)	BITSTRING	1	DRXLANG	LANGUAGE TYPE, USED BY XFR1 ON SCHEDULE CALL. IF PL/I THEN LEVEL OF INDIRECTION ADDED TO PCB LIST
	111		DRXASM	"C'A" ASSEMBLER
	1111		DRXCOB	"C'C" COBOL
(50)	11.1 .111		DRXPLI	"C'P" PL/I
(E0)	BITSTRING 1	1	DRXFLG1 DRXCMPT	FLAG BYTE "X'80" COMPAT OPTION USED (HENCE A DUMMY PCB MUST BE ADDED TO LIST, AND
	.1		DRXSPIE	TAKEN ACCOUNT OF IN DB CALL) "X'40" TELL SPIE THAT IF PGM CHECK OCCURS, THEN INVOKE RETRY
	1		DRXDPCB	"X'20" THE DUMMY PCB HAS YET TO BE CREATED BY TRANSFORMER 4
(E4)	FULLWORD	4	DRXRETAD	ADDRESS OF POINT IN TRANSFORMER TO WHICH RETRY ROUTINE SHOULD RETURN
(E8)	FULLWORD	4	DRXIOLEN	I/O AREA LENGTH FOR HLPI COMMAND - VALID IF DRXHLPI IS SET
(EC)	CHARACTER	1	DRXATPN	TYPE LAST ATTACH HEADER LAST SENT. THERE IS PROBABLY A BETTER PLACE TO
, ,				HOLD THIS. ONLINE THE INFO IS HELD IN THE TCTTE
(ED)	CHARACTER	6	DRXRCODE (0)	RETURN CODE FROM AN EXEC CICS REQUEST
(ED)	CHARACTER	1	DRXRCDE1	RESPONSE CODE
(EE)	CHARACTER	1	DRXRCDE2	RESERVED
(EF)	CHARACTER	1	DRXRCDE3	RESERVED
(F0)	CHARACTER	1	DRXRCDE4	RESERVED
(F1)	CHARACTER	1	DRXRCDE5	RESERVED
(F2)	CHARACTER	1	DRXRCDE6	RESERVED
/ -	1111		DRXLEN	"*-DRXSTRT" LENGTH OF DFHDRX
(F4)	ADDRESS	4	RSBEXPRM	ADDR OF EDP'S DBLWD FOR LOCATE MODE RETRIEVAL
	1111		RSBLEN	"*-RSBSTART" LENGTH OF RSB

SAA Storage accounting area

CONTROL BLOCK NAME = DFHSAAPS DESCRIPTIVE NAME = CICS Storage Accounting Area. NOTES: DEPENDENCIES = S/370 MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	DFHSAADS	
(0)	CHARACTER	1	SAASCI	STORAGE CLASS IDENTIFICATION
(1)	CHARACTER	1	SAASFI	STORAGE FORMAT IDENTIFICATION
(2)	UNSIGNED	2	SAASAD	STORAGE AREA SIZE
(4)	ADDRESS	4	SAASACA	STORAGE ACCOUNTING CHAIN

SAB Subsystem anchor block

```
CONTROL BLOCK NAME = DFHSABDS
DESCRIPTIVE NAME = CICS Subsystem Anchor Block
FUNCTION =
     Contains addresses of CICS component control block storage which exists until re-IPL.
     Certain CICS components require control blocks which
     are accessible by all CICS systems run in a CEC.
     The SAB is used to anchor such control block storage.
     The MVS SSCT is used to anchor the SAB and CICS
     components use the MVS SSI VERIFY request to obtain the address of the SSCT itself.
     One SAB exists only, which is created by the first
     CICS component to require it after IPL. Subsequent
     CICS components update it as appropriate.
     The user components are: IRC - DFHIRP
        XRF - DFHWTI
LIFETIME =
     Created by first user after IPL.
     Exists until re-IPL.
STORAGE CLASS =
    MVS Common Service Area storage.
LOCATION =
     Address in MVS SSCTSUSE.
INNER CONTROL BLOCKS =
    None
NOTES:
  DEPENDENCIES = none
  RESTRICTIONS = none
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
     None
  DATA AREAS =
  CONTROL BLOCKS =
  None
GLOBAL VARIABLES (Macro pass) =
     None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSABDS	
(0)	ADDRESS	4	SABCDD	Address of XRF CEC Dead Data
(4)	ADDRESS	4	SABSCTE	Address of IRC SCTE
(8)	CHARACTER	6	SABACRON	Eyecatcher 'DFHSAB'
(E)	SIGNED	1	SABVERSN	Version of control block
	1		SABV211	"1" Version 2.1.1 SPE SAB
(F)	BITSTRING	1	SABFLAG1	First flag byte
	1		SAB1FMT	"X'80'" - reformat CICS messages
	.1		SAB1SEC	"X'40'" - protect security msgs
	1		SAB1GRC	"X'20" - generic routecodes supplied
(10)	ADDRESS	4	SABSSCT	Address of Subsystem CVT
(14)	ADDRESS	4	SABPNDPW	Pending password requests
(18)	ADDRESS	4	SABMAPPT	Addr of addr-space bitmap
(1C)	FULLWORD	4	SABMAPLN	Len of addr-space bitmap

Offset Hex	Туре	Len	Name (Dim)	Description
(20)	BITSTRING11	16	SABGROUT SABL	Generic Routecodes "*-DFHSABDS" Length

SUBSYSTEM CONTROL TABLE EXTENSION THE SCTE IS USED BY THE SVC TO CONTROL THE EXISTENCE OF THE LACB (LOGON ADDRESS CONTROL BLOCK).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SCTE	
(0)	ADDRESS	4	SCTELACB	Address of LACB
(4)	FULLWORD	4	SCTECNT	NUMBER OF 'ASSOCIATED' address spaces
(8)	FULLWORD	4		Reserved - must not be deleted
(C)	HALFWORD	2	SCTESVCI	INSTRUCTION TO INVOKE CICS SVC - offset must never change (SDB, batch DPL)
(E)	ADDRESS	1	SCTEVER#	SCTE version no indicates level of associated DFHIRP control blocks
	1		SCTEVER1	"1" SCTE version 1 - CICS 4.1
	1.		SCTEVER2	"2" SCTE version 2 - CICS 5.1
(F)	BITSTRING	1	SCTEFLGS	Various flags
	1		SCTEFSP4	"X'80'" MVS includes XCF support (SP4 plus)
	.1		SCTEFXCF	"X'40'" XCF level satisfies all IRP's needs
	1		SCTELEN	"*-SCTE" LENGTH OF SCTE ENTRY

SDG Dump domain global statistics

CONTROL BLOCK NAME = DFHSDGDS DESCRIPTIVE NAME = CICS Dump Domain Global Statistics (System dumps) FUNCTION = A record containing Dump Domain Global Statistics This DSECT describes the global system dump statistics Produced by the Dump Domain. A single instance of the data is produced by the Dump Domain. Additional copies may be created by the statistics domain, statistics utility programs or user programs. The data consists of a header plus a block of statistics for the Dump domain. $\label{eq:likelihood} \mbox{LIFETIME} = \mbox{Created when the Dump Domain is initialised and}$ exists for the lifetime of the domain manager. STORAGE CLASS = varies LOCATION = User is passed a pointer to the storage INNER CONTROL BLOCKS = None DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = In Dump Domain GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSDGDS	System Dump Global statistics
(0)	FULLWORD	4	(0)	Reserved
(0)	HALFWORD	2	SDGLEN	Length of data area
	.1.1 1.1.		SDGIDE	"90" System dump global stats id mask
(2)	ADDRESS	2	SDGID	System dump global stats id
			SDGVERS	"X'01" Stats version number mask
(4)	CHARACTER	1	SDGDVERS	Dump domain global stats version
(5)	CHARACTER	3		Reserved
(8)	FULLWORD	4	SYS_DUMPS_TAKEN	Number of system dumps taken
(C)	FULLWORD	4	SYS_DUMPS_SUPPR	Number of system dumps suppressed
, ,	1		SDGEND	H*II
	1		SDGCLEN	"*-DFHSDGDS" Length of DSECT

SDR Dump domain system dump statistics

CONTROL BLOCK NAME = DFHSDRDS DESCRIPTIVE NAME = CICS Dump Domain System Dump Statistics (by dumpcode)
FUNCTION = A record containing Dump Domain System Dump Stats This DSECT describes the statistics produced by the Dump Domain for each system dumpcode. There will be one instance of the data for each dumpcode for which statistics were requested. The data consists of a header plus a block of statistics for the Dump domain. LIFETIME = Created when the Dump Domain is initialised and exists for the lifetime of the Dump Domain. STORAGE CLASS = LOCATION = User is passed a pointer to the storage INNER CONTROL BLOCKS = None NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = In Dump Domain GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSDRDS	Dump domain system dump stats
(0)	FULLWORD	4	(0)	Reserved
(0)	HALFWORD	2	SDRLEN	Length of data area
	.1.1 1		SDRIDE	"88" Dump domain system stats id mask
(2)	ADDRESS	2	SDRID	Dump domain system stats id
	1		SDRVERS	"X'01" DSECT version number
(4)	CHARACTER	1	SDRDVERS	Domain data format version number
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	8	SDRCODE	Dumpcode
(10)	FULLWORD	4	SDRSTKN	Number of system dumps taken
(14)	FULLWORD	4	SDRSSUPR	Number of system dumps suppressed
(18)	FULLWORD	4	SDRTTKN	Number of tran dumps taken (unused)
(1C)	FULLWORD	4	SDRTSUPR	Number of tran dumps suppressed
	1		SDREND	H*H
	1		SDRCLEN	"*-SDRLEN" Length

SETCC Set storage control

```
CONTROL BLOCK NAME = DFHSETCC
DESCRIPTIVE NAME = CICS Set Storage Control
FUNCTION =
   DFHSSC describes the DSECT for the Set Storage Control
   area. This area describes the address, length, location
   (above or below) and key (CICS or USER) of storage that
   is returned in response to requests that specify the
   keyword SET.
   The Set Storage Control dsect is intended to be imbedded
   within other diects. It may be used by any component
   that allocates SET storage.
   For example, the Set Storage Control dsect is used by File
   Control. It is imbedded within the FRTE, where it is used
   to describe SET storage acquired by READ UPDATE SET,
   READNEXT SET and READPREV SET requests. It is also
   imbedded within the FLAB where it is used to describe
   storage acquired by READ SET requests.
LIFETIME =
   Lifetime of control block that imbeds DFHSETCC. See
   comments in description of appropriate control block.
STORAGE CLASS =
   See control block that imbeds DFHSETCC.
LOCATION =
   See control block that imbeds DFHSETCC.
INNER CONTROL BLOCKS =
```

None.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS = None
MODULE TYPE = Control block definition.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	DFHSSC	
(0)	ADDRESS	4	SSC_SET_ADDRESS	Set storage address
(4)	HALFWORD	2	SSC_SET_LENGTH	Set storage length
(6)	BITSTRING	1	SSC_SET_FLAGS	Flag byte
	1		SSC_SET_BELOW	Storage below line
	.1		SSC_SET_CICS	Storage in CICS key
	11 1111		*	Reserved
(7)	CHARACTER	1	*	Reserved

System initialisation program **SIP**

MODULE NAME = DFHSIPDS
DESCRIPTIVE NAME = CICS SYSTEM INITIALIZATION PROGRAM
COMMUNICATION AREA
FUNCTION = COMMUNICATION AREA FOR INITIALIZATION. MACROS = DFHSIPD

Offset Hex	Туре	Len	Name (Dim)	Description				
(0)	DDI WODD		DFHSIPDS	LAREL FOR ARRESONABILITY				
(0)	DBL WORD	8	SIPCOM (0)	LABEL FOR ADDRESSABILITY				
INI	ITIALISATION SUBR	OUTINE ADD	RESSES					
(0)	ADDRESS	4	SIPOSUP	ADDRESS OF OVERLAY SUPERVISOR				
(4)	ADDRESS	4		Reserved				
(8)	ADDRESS	4	SIPLDER	ADDRESS OF LOADER ROUTINE IN APSIP				
(C)	ADDRESS	4	SIPPUT	ADDRESS OF CONSOLE PUT ROUTINE				
(10)	ADDRESS	4	SIPCORE	ADDRESS OF GETMAIN ROUTINE				
CC	CONTROL AREA AND PROGRAM ADDRESSES							
(14)	ADDRESS	4	SIPCSA	ADDRESS OF DFHCSA				
(18)	ADDRESS	4	SIPSIT	ADDRESS OF DFHSIT				
(1C)	ADDRESS	4	SIPBASER	DFHSIP BASE ADDRESS				
(20)	ADDRESS	4	SIPDMSTK	A (kernel stack) at entry to SIP				
(24)	ADDRESS	4	SIPDMPLP SIPSTACK	kernel plist pointer at entry to SIP				
(28) (2C)	ADDRESS ADDRESS	4 4	(6)	A(kernel stack) for task entering one of the closed subroutines in DFHSIP Reserved				
(44)	ADDRESS	4	SIPDMSRA	A(SIPDMSR) = DOMAIN MANAGER TASK SYNCHRONIZATION ROUTINE				
(48)	ADDRESS	4	(3)	Reserved				
(54)	ADDRESS	4	SIPDMPRA	A(SIPGFTCT - the routine which posts APDM task when insufficient storgae detected by TCP				
				task				
(58)	ADDRESS	4		Reserved				
(5C)	FULLWORD	4	LNGTHSAV	Reserved				
RE	GISTER SAVE ARE	AS FOR USE	BY DFHSIP					
(60)	FULLWORD	4	SIPSAVE (16)	GENERAL REGISTER SAVE AREA				
(A0)	FULLWORD	4	SIPUTSV (16)	PUTSAVE REGISTER SAVE AREA				
	Flag bytes for control	ling program	looding					
	ese same equates a							
	· · · · · · · · · · · · · · · · · · ·			Description				
(E0) (E2)	BITSTRING BITSTRING	2 1	SIPFLAG	Reserved FLAG BYTE				
(LZ)	1	'	SIPBLNUC	"X'80"" BLDL FOR NUCLEUS MODULE				
	.1		SIPPRVMD	"X'40" MODULE MUST BE IN PRIVATE AREA (AND NOT SHARED)				
	1		SIPSHRMD	"X'20" MODULE MUST BE IN SHARED AREA				
	1		SIPSHRPL	"X'10" SHARED PL/I MODULES FLAG				
	1		SIPBLNAB	"X'04" NUCLEUS-BUILD ABEND FLAG				
	1.		SIPBLERR	"X'02" MODULE NOT FOUND				
	1.		SIPERR	"X'02" ERROR RESPONSE				
(E3)	1 BITSTRING	1	SIPSFXBL SIPERFLG	"X'01" SUFFIXABLE MODULE FLAG INITIALISATION/ERROR FLAGS				
(L3)	1	'	SIPCNCLR	"X'80"" CANCEL REQUESTED AFTER MSG DFH1596				
	1		SIPLDERR	"X'08" LOAD ERROR FLAG (OS-ONLY)				
(E4)	BITSTRING	1	SIPFLAG3	Flag Byte 3				
` ,	1		SIP2PLT	"X'80" A PLT PROGRAM EXISTS THAT RUNS DURING THE 2ND STAGE OF				
				INITIALISATION				
	.1		SIP3PLT	"X'40" A PLT PROGRAM EXISTS THAT RUNS DURING THE 3RD STAGE OF				
(==)	DITOTONIO		01051.404	INITIALISATION				
(E5)	BITSTRING	1	SIPFLAG4	FLAG BYTE 4 "X'10"GET DOMAIN STORAGE FROM 31BIT SUBPOOL				
	1		SIPF31B SIPFDOSA	"X'02"GET DOWAIN STORAGE FROM STEIT SUBPOOL "X'02"GETMAIN TO RETURN ADDR PAST LENGTH FD				
			011 1 2 0 0 1	ACE III III TO RETORITABILITIES				
PA	RAMETER PASSING	> FIELDS						
(E8)	FULLWORD	4	SIPARMP1	PARAMETER PASS FIELDS				
(EC)	FULLWORD	4	SIPARMP2	PARAMETER PASS FIELDS				
(F0)	FULLWORD	4	SIPARMP3	PARAMETER PASS FIELDS				
(F4)	FULLWORD	4	SIPARMP4	PARAMETER PASS FIELDS				
(F8) (FC)	FULLWORD FULLWORD	4 4	SIPARMP5 SIPARMP6	PARAMETER PASS AREA PARAMETER PASS AREA				
(100)	FULLWORD	4	SIPARMP7	PARAMETER PASS AREA				
(104)	FULLWORD	4	SIPARMP8	PARAMETER PASS AREA				
(108)	FULLWORD	4	SIPARMP9	PARAMETER PASS AREA				
TF	MPORARY STORAG	SE CONSTAN	ITS					
				TEMPODARY CTORACE DIFFERS				
(10C)	FULLWORD HALFWORD	4 2	TEMPBUF (2) TEMPBLK	TEMPORARY STORAGE BUFFERS TEMPORARY STORAGE BLOCK SIZE				
(114) (116)	HALFWORD	2	TEMPCIZ	TEMPORARY STORAGE BLOCK SIZE TEMPORARY STORAGE CI SIZE				
(118)	FULLWORD	4	TEMPCIN	NUMBER OF CONTROL INTERVALS FOR TEMP STORAGE				
	PERATOR COMMUN							
(11C)	FULLWORD	4	SIPWTOCB	WRITE TO OPERATOR ECB (OS/VS)				

Offset Hex	Туре	Len	Name (Dim)	Description
(120)	FULLWORD	4	SIPMSG (0)	INPUT/OUTPUT MESSAGE AREA
(120)	HALFWORD	2	SIPMSGLN	MESSAGE LENGTH
(122)	BITSTRING	1	SIPMSGTP	TYPE REQUEST BYTES
	1		UNCOND	"X'80"" UNCONDITIONAL MESSAGE
	.1		GET	"X'40"" GET (REPLY) REQUEST
	1		ABEND	"X'20" ABEND REQUEST
	1		SUPPRESS	"X'10" SUPPRESS ABEND DUMP
(123)	BITSTRING	1	SIPMSGCC	CARRIAGE CONTROL CHARACTER
(124)	CHARACTER ram Loader / Overlay	240 Suponvisor	SIPMSGA	MESSAGE DATA AREA
			· · · · · · · · · · · · · · · · · · ·	PROCEAMIN
(214)	CHARACTER	8	SILISTID	PROGRAM ID
	BTASK & multitasking			
(21C)	FULLWORD	4	SISUBECB	ECB FOR SUBTASK
(220)	FULLWORD	4	SISUBTCB	ADDRESS OF TCB FOR SUBTASK
(224)	FULLWORD	4	SIPDMTEC	DOMAIN MANAGER TASK ECB
	SM Domain doma			
(228)	CHARACTER	8	SIPDS24B	storage token CICS key & below 16M
(230)	CHARACTER	8	SIPDSANY	storage token CICS key - anywhere
(238)	CHARACTER	8	SIPDU24B	storage token User key & below 16M
PLI	ST for TEOF - moved		SIPCOM	
(240)	HALFWORD	2	(0)	
(240)	ADDRESS	4		Reserved
TO	MMON CODE FLAG E	R TEOF WA	AS ATTACHED (DOS)	
	HEN CICS CAME DOW		OG WAS CLOSED SUCCESSFULLY COM)	
(244)	BITSTRING	1	SIPTEFLG	TEOF FLAGS
(=)	1	•	SIPTEAO	"X'80" TEOF SUBTASK WAS ATTACHED (DOS)
	.1		SIPTEJCS	"X'40" TAPE JOURNAL WAS CLOSED SUCCESSFULLY
(248)	FULLWORD	4		Reserved
(24C)	CHARACTER	6		Reserved
SA	VE AREA FOR SIP LO	DADER.		
(254)	FULLWORD	4	SIPLSAVE (16)	SAVE AREA
CO	MMUNICATION AREA	A - DFHSIH	1 TO DFHSII1 TO DFHSIJ1	
(294)	FULLWORD	4	SIPSPSIZ	EFFECTIVE SIZE OF SUBPOOL FOR START UP - IN K BYTES
(298)	FULLWORD	4	CHKRLSAV	SAVE SIPBAR
(29C)	FULLWORD	4	UPENTSAV	SAVE SIPBAR
(2A0)	ADDRESS	4	SIPCICNA	
(2A4)	ADDRESS	4	SIPITCAP	A(TCA acquired during initialisation)
(2A8)	FULLWORD	4	SIPPLTAD	ADDRESS OF PLTPI ENTRY POINT
(2AC)	FULLWORD	4	(4)	Reserved
(2BC)	BITSTRING	8	SIPRSDDT	Date / Time stamp
(2C4)	FULLWORD	4	SIPPLTE1	Early PLT complete ECB
(2C8)	FULLWORD	4	SIPPLTE2	Start late PLT ECB
(2CC)	FULLWORD	4	SIPPLTE3	Late PLT complete ECB
(2CC)			SIPCOMEA	"*" END OF INITIALISATION COMMUNICATIONS AREA

SIT System initialisation table

CONTROL BLOCK NAME = DFHSITPS
DESCRIPTIVE NAME = CICS SYSTEM INITIALIZATION TABLE FUNCTION =

Mapping of the CICS System Initialization Table

NOTES:

DEPENDENCIES = S/370
RESTRICTIONS = NONE
REGISTER CONVENTIONS = NOT APPLICABLE
PATCH LABEL = NOT APPLICABLE
MODULE TYPE = MACRO

MODULE SIZE = NOT APPLICABLE

ATTRIBUTES = NOT APPLICABLE

MACROS: None

Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	STRUCTURE CHARACTER	2128	DFHSITPS SITPSBA	System Initialization Table Table entry point
	OPERATING SYSTE	EM AND CIO	CS LEVELS	
(0)	CHARACTER	1	SITOPSYS	Operating System
(1)	CHARACTER	1	SITOPREL	Operating System Release
(2)	CHARACTER	1	SITCICS	CICS system
(3)	UNSIGNED	1	SITCIREL	CICS release
(4)	UNSIGNED	1	SITCIMOD	CICS modification level
(5)	CHARACTER	3	*	Reserved
	LENGTHS OF SIT A	ND CWA		
(8)	HALFWORD	2	SITLEN	Length of SIT
(A)	HALFWORD	2	SITCWA	Required CWA size
(C)	FULLWORD	4		Reserved
	ADDRESS CONSTA	NTS		
(10)	ADDRESS	4	DFHDLL	Address of DL/I link list
(14)	FULLWORD	4	DFHAPT	Reserved
(18)	ADDRESS	4	SITCOMA	Communications area address
(1C)	ADDRESS	4 4	SITOVRPM SITINTPM	Address of override parms
(20) (24)	ADDRESS ADDRESS	4	SITSRPAE	Address of SITINIT parms Reserved
(28)	ADDRESS	4	SITPRVMA	Address of prvmod list
	TIME CONTROL VA	LUES		·
(2C)	HALFWORD	2	SITWBTIP	Web terminal-I/O period
(2E)	HALFWORD	2	SITWBGCI	Web garbage-collect intrvl
(30)	HALFWORD	2	*	Reserved
(32)	HALFWORD	2	SITTSDTI	Terminal scan delay
(34)	FULLWORD	4	SITRICVL	Runaway task time interval
(38)	FULLWORD	4	SITICVAL	System time interval
(3C)	UNSIGNED	2	SITDFINT	LG defer interval
(3E)	HALFWORD	2	*	Reserved
			INTERS AND FLAGS	
(40)	FULLWORD	4	SITESDSA	ESDSASZE
(44)	FULLWORD	4	SITERDSA	ERDSASZE
(48)	FULLWORD FULLWORD	4 4	SITOPTIM	Write to operator timeout value Trace table # of entries
(4C) (50)	CHARACTER	1	SITTRTSZ *	reserved
(50)	CHARACTER	1	SIT_PS_TYPE	M if MNPS
(52)	UNSIGNED	2	SITAKPFR	Activity keypoint freq
(54)	CHARACTER	1	SIT_VT_PREFIX	Common Client terminal pfx
(55)	BITSTRING	1	SITTRNTY	Tran dump trace option
	1 .111 1111		SITTRALL	Option ALL Unused
(56)	BITSTRING	1	SITSRCVY	Stg. recovery byte
(50)	1	· ·	SITSRYES	St. recovery byte
	.1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1.		*	Reserved
	1		*	Reserved
(57)	UNSIGNED	1	SITTCSWT	TC Shutdown Wait
(58)	BITSTRING	1	SITTCSAN	TC Shutdown Action
	1		SITTCSUB	TC Shut Act, Unbind
	.1		SITTCSFO	TC Shut Act, Force

Offset Hex	Туре	Len	Name (Dim)	Description
(EO)	11 1111 CHARACTER	4	* SITVDLY	Reserved
(59) (5D)	BITSTRING	4 1	SITCHTSK	Autoinstall delete delay time CHKSTSK option
(- /	1		*	Reserved
	.1 11 1111		SITTSKCR *	Check current task storage Reserved
(5E)	BITSTRING	1	SITCHTRM	CHKSTRM option
(-)	1		SITTRMCR	Check current terminal storage
(FF)	.111 1111 BITSTRING	4	*	Reserved
(5F)	1	1	SITRRMS SITRRMSYES	RRMS options RRMS=YES
	.111 1111		*	
(60)	FULLWORD	4	SITPSDI	PSDI option (HHMMSS)
	SUPERVISOR CALL	LIST		
(64)	UNSIGNED	1	SITSVSNO	Service svc number
(65) (66)	UNSIGNED HALFWORD	1 2	SITSISNO *	Service init. svc number Reserved
(68)	HALFWORD	2	*	Reserved
	MISCELLANEOUS (OPTIONS		
(6A)	BITSTRING	1	SITSTRCD	STATistics Recrding ON/OFF
(-)	1		SITSTRCDO	
(CD)	.111 1111	1	* SITTCUA	Reserved
(6B)	CHARACTER		SITICUA	TCTTE User Area Location
(6C)	UNSIGNED	2	SITPMULT	Dispatcher priority multiplier
(6E) (6F)	UNSIGNED CHARACTER	1 1	SITSBTSK SITPMIR	No. of subtasks MROLRM: SESSION RETAINS MIR
(70)	HALFWORD	2	SITDMPRT	Dump Retry value (DURETRY=)
(72)	CHARACTER	1	SITMROB	MRO BATCHING VALUE
(73)	UNSIGNED	1	SITASW	Aux trace autoswitch option
	1		SITASWC	Aux trace autoswitch continuous
	.1 11 1111		SITASW1	Aux trace autoswitch once
(74)	CHARACTER	4	SITFLDSP	Reserved Field sep chars
(78)	CHARACTER	1	SITFLDST	Field start char
(79)	UNSIGNED	1	SITCONF	CONF field options
	1		SITCONFTXT_YES	CONFTXT=YES
	.1		SITCONFDATA_ HIDETC	CONFDATA=HIDETC
	11 11		*	Reserved
	1.		SITENCST	ENCRYPTION=STRONG
(7A)	1 UNSIGNED	1	* SITTROP	Reserved Trace option
(7A)	1	,	SITIRO	Internal trace required
	.1		*	Reserved
	1		SITUTRO	User trace required
	1		SITSTRO	System trace required
	1		SITATRO SITATPE	Aux trace required Aux trace tape device (DOS)
	1.		SITGTRO	GTF trace required
	1		*	Reserved
(7B)	BITSTRING 1	1	SITSMDNO SITSMDYS	System dump option (DUMP=)
	.1		SITDAE	Dump=yes DAE=yes
	11 1111		*	Reserved
(7C)	CHARACTER	1	SITDMPDS	Dump dataset suffix or X
(7D)	UNSIGNED 1	1	SITDMPSW SITDSWY	Tran dump autoswitch option Autoswitch required
	.111 1111		*	Reserved
(7E)	UNSIGNED	1	SITPRINT	Print key option
(7F)	CHARACTER	1	SITMSGLV	Console msg level indicator
(80)	BITSTRING 1	1	SITRUWA SITRUWPL	LE ruwa pool option ruwapool yes
	.111 1111		*	Unused
(81)	CHARACTER	1	*	reserved
(82)	BITSTRING	1	SITMSGCS	Message Case Indicator
	1		SITMSGUP SITMSGMX	Uppercase messages only Mixed Case messages.
	11 1111		*	Reserved
(83)	BITSTRING	1	SITDATFM	CSA date format
	1		*	Reserved
	.1		*	Reserved Reserved
	1		*	Reserved
	1		*	Reserved
	1		SITDTYMD	YYMMDD
	1.		SITDTDMY SITDTMDY	DDMMYY MMDDYY
(84)	CHARACTER	1	SITEROR	FORCEQR option
(85)	CHARACTER	1	SITIRCS	IRC session startup option
(86)	CHARACTER	1	SITHPO	HPO option
(87)	CHARACTER	1 1	SITLPA	Link pack area option
(88) (89)	UNSIGNED CHARACTER	1	SITFERS SITEODI	Reserved Segu. devices EOD Indicator.
,	- · - · ·	•		·

Offset Hex	Туре	Len	Name (Dim)	Description
(8A)	CHARACTER	1	SITTCAMO	TCAM option (Y N)
(8B)	CHARACTER	1	SITDTBO	DTB buffers (MA) (DOS only)
(8C)	BITSTRING	1	SITTRAP	F.E. trap option
	1		SITTRAPO	Global trap required
	.1		*	Reserved Reserved
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1.		*	Reserved
	1		*	Reserved
(8D)	BITSTRING	1	SITMONCL SITMONY	Monitor options
	1		SITMONPR	Monitor=on Performance class required
	1		SITMONEX	Exception class required
	1		SITMONEV	Event class required
	1		*	Reserved
	1		*	Reserved
	1.		*	Reserved Reserved
(8E)	BITSTRING	1	SITMONOP	Monitor operations
(02)	1	•	SITMONCO	Converse mon required
	.1		SITMONSY	Syncpoint mon required
	1		SITMONTM	Monitor time in local STCK
	1		*	Reserved
	1 1		*	Reserved Reserved
	1.		*	Reserved
	1		*	Reserved
(8F)	CHARACTER	4	SITMONFR	MN frequency (0HHMMSSC)
(93)	CHARACTER	8	SITMONSS	MN sub-system id (or nulls) *
(9B)	CHARACTER	8	SITGRPLI	SPI grouplist id
	Security Options			
(A3)	CHARACTER	7	SITXPSB	Classname for PSB
(AA)	CHARACTER	7	SITXTRAN	Classname for TRANSATTACH
(B1)	CHARACTER	7	SITXFCT	Classname for FILE
(B8)	CHARACTER	7	SITXJCT	Classname for JOURNALNAME
(BF)	CHARACTER	7 7	SITXDCT SITXTST	Classname for TDQUEUE Classname for TSQUEUE
(C6) (CD)	CHARACTER CHARACTER	7	SITXPPT	Classname for PROGRAM
(D4)	CHARACTER	7	SITXPCT	Classname for TRANSACTION
(DB)	CHARACTER	8	SITXDB2E	Classname for DB2ENTRY
(E3)	CHARACTER	6	*	Reserved
(E9)	CHARACTER	7	SITXCMD	Classname for SPCOMMAND
(F0)	CHARACTER BITSTRING	7 1	° CITCECEI	Reserved
(F7)	1	'	SITSECFL SITSECEX	Security flag byte External security requested
	.1		SITSECPR	Resource prefix required
	1		*	Reserved
	1		SITXAPPC	RACLIST class APPCLU reqd
	1		SITESMIN	ESM INSTLN data required
	1		SITXUSER SITRESSE	Surrogate User Check reqd
	1		SITCMDSE	Always enact resrce check Always enact command check
(F8)	CHARACTER	8	SITDFUSR	Default Security userid
(100)	HALFWORD	2	SITUDTIM	Tuning parm value for User Directory Timeout
(102)	HALFWORD	2	SITLUIT	LUIT tuning parm value
(104)	UNSIGNED	1	SITSCOPE	Signon Scope Checking Security Resource Prefix
(105) (10D)	CHARACTER BITSTRING	8 1	SITSECPX SITPLTSC	PLTPI Security options
(.55)	1		SITPLTCM	Command level checking
	.1		SITPLTRS	Resource level checking
	11 1111		*	Reserved
(10E)	CHARACTER	8	SITPLTID	PLTPI User id
(116) (117)	CHARACTER CHARACTER	1 1	SITEMIR *	MROFSE: retain mirror Reserved
(117)		1		1/6561460
	DUMP OPTIONS			
(118)	FULLWORD	4	SITTRNSZ	Size of tran dmp trace
(11C)	CHARACTER	18	*	Reserved
	BASIC MAPPING S	JPPORT OF	PTIONS	
(12E)	UNSIGNED	1	SITPGCHN	Pgchain length
(12F)	CHARACTER	7	*	Pgchain data
(136)	UNSIGNED	1	SITPGCPY	Pgcopy length
(137)	CHARACTER	7	*	Pgcopy data
(13E)	UNSIGNED	1	SITPGPRG *	Papura data
(13F) (146)	CHARACTER UNSIGNED	7 1	SITPGRET	Pgpurge data Pgret length
(140)	CHARACTER	7	*	Pgret data
(14E)	CHARACTER	2	SITFCOMP	Reserved
(150)	BITSTRING	3	SITPRGD	Purge delay interval HHMM
(153)	BITSTRING	1	SITPOPT	BMS process options
	1 .1		*	Reserved
				Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1		SITALGN	Default map aligned
	1.		SITNDDS	No device-dependent suffixing
(454)	1		× OITDMOO	Reserved
(154)	CHARACTER	1	SITBMSO	BMS option (M S F)
	END OF BMS OF	PTIONS		
(155)	CHARACTER	1	SITDISM	Disable Trans after ASRD
	TABLE SUFFICES			
(156)	CHARACTER	2	*	Reserved
(158)	CHARACTER	2	SITDCTSF	Destination control table
(15A)	CHARACTER	2	SITFCTSF	File control table
(15C)	CHARACTER	2	*	Reserved
(15E)	CHARACTER	2	*	Reserved
(160)	CHARACTER	2 2	SITPLTPI	Reserved
(162) (164)	CHARACTER CHARACTER	2	SITPLTSD	PLT (program initialization) PLT (shutdown)
(166)	CHARACTER	2	*	Reserved
(168)	CHARACTER	2	SITSRTSF	System recovery table
(16A)	CHARACTER	2	SITTCTSF	Terminal control table
(16C)	CHARACTER	2	SITTSTSF	Temporary storage table
(16E)	CHARACTER	2	SITXLTSF	Transaction list table
(170)	CHARACTER	2	SITMCTSF	Monitor control table
(172)	CHARACTER		SITCBDSF	CBD initialization table
DSA	A sizes, cushion sizes	and storage	protect parms	
(174)	FULLWORD	4	SITDSA	Upper DSA limit
(178)	FULLWORD	4	SITEDSA	Upper EDSA limit
(17C)	FULLWORD	4	SITCDSA	CDSASZE
(180) (184)	FULLWORD FULLWORD	4 4	SITUDSA SITSDSA	UDSASZE SDSASZE
(188)	FULLWORD	4	SITRDSA	RDSASZE
(18C)	FULLWORD	4	SITECDSA	ECDSASZE
(190)	FULLWORD	4	SITEUDSA	EUDSASZE
(194)	FULLWORD	4	SITTRDUMAX	Dump table maximum
(198)	FULLWORD	4	SITSYDUMAX	Dump table maximum
(19C)	BITSTRING 1	1	SITCICSF SITSTPRO	Storage protection flags STGPROT 0=NO 1=YES
	.1		SITCWAKY	CWAKEY 0=USER 1=CICS
	1		SITTCTUA	TCTUAKEY 0=USER 1=CICS
	1		SITRNTPGM	RENTPGM 0=PROT 1=NOPROT
	1		SITTRNISO	TRANISO 0=NO 1=YES
	1		SITCMDPRO	CMDPROT 0=NO 1=YES
			cified as an override. It	
	t be specified in the S n from the customer.	off. It is for te	est only and will be	
			CITCL DVCC	CLD3 0 NO 4 VEC
	1. 1		SITSLDYES *	SLD? 0=NO 1=YES Reserved
(19D)	UNSIGNED	1	*	Reserved
	NUCLEUS MODUL		<u> </u>	
TH	HE FOLLOWING 7 FIE			
	UT THEY ARE NOT			
(19E)	CHARACTER	2	SITMCPSF	BMS MCP suffix set by CICS
(1A0)	CHARACTER	2	SITRLRSF	BMS RLR suffix set by CICS
(1A2)	CHARACTER	2	SITPBPSF	BMS PBP suffix set by CICS
(1A4)	CHARACTER	2	SITM32SF	BMS M32 suffix set by CICS
(1A6)	CHARACTER	2	SITTPPSF	BMS TPP suffix set by CICS
(1A8) (1AA)	CHARACTER CHARACTER	2 2	SITIIPSF SITDSBSF	BMS IIP suffix set by CICS BMS DSB suffix set by CICS
(1AA) (1AC)	CHARACTER	2	SITTCPSF	Terminal control pgm (BTAM)
(1AE)	CHARACTER	2	*	Reserved
(1B0)	CHARACTER	2	*	Reserved
(1B2)	CHARACTER	2	*	Reserved
(1B4)	CHARACTER	2	SITDIPSF	Data interchange option/suffix
(1B6)	CHARACTER	2	* CITDL 1	Reserved DL/I suffix
(1B8)	CHARACTER		SITDL1	DL/I Sullix
SIT	T PARAMETERS FOI	RISC		
(1BA)	CHARACTER	2	SITISCSF	General ISC suffix
(1BC)	CHARACTER	2	*	Reserved
(1BE)	CHARACTER	2	*	Reserved Reserved
	CHARACTER			Neserveu
(1C0)	CHARACTER		EDEACE	
(1C0) SIT	T OPTION FOR EXE	CUTION INTI		
(1C0) SIT (1C2)	T OPTION FOR EXEC	CUTION INTI	*	Reserved
(1C0) SIT (1C2) (1C4)	T OPTION FOR EXEC CHARACTER CHARACTER	CUTION INTI 2 6	*	Reserved
(1C0) SIT (1C2) (1C4) (1CA)	T OPTION FOR EXEC CHARACTER CHARACTER CHARACTER	CUTION INTI 2 6 8	* * SITTBPX6	Reserved TBP exit program 6
(1C0) SIT (1C2) (1C4)	T OPTION FOR EXEC CHARACTER CHARACTER	CUTION INTI 2 6	*	Reserved
(1C0) SIT (1C2) (1C4) (1CA) (1D2)	T OPTION FOR EXEC CHARACTER CHARACTER CHARACTER CHARACTER	2 6 8 8	* * SITTBPX6 SITGRNME	Reserved TBP exit program 6 Generic resource applid

Offset Hex	Туре	Len	Name (Dim)	Description
	START-UP OPTION	IS		
(1F0)	CHARACTER	1	SITSTRTA	Auto start requested (Y N)
(1F1)	CHARACTER CHARACTER	1 1	SITSTART SITIND	CICS/ESA start-up option
(1F2) (1F3)	CHARACTER	1	SITFEPOP	Emergency indicator FEPI required Y/N
	FEPIN CONSTANT('Y	') - required		·
	FEPOU CONSTANT('I			
(1F4)	CHARACTER	1	SITSINIT	START=INITIAL indicator
	SINIY CONSTANT('Y') SININ CONSTANT('N'		ifies SITSTART=I	
(1F5)	BITSTRING	1	SITSOFFS	OFFSITE settings:-
	1 .111 1111		SITOFFSI *	This is an offsite restart Reserved
(1F6)	BITSTRING	1	SITDCTOP	DCT EMPTY option status
	1		SITINTRA *	DCT=xx,EMPTY specified
(1F7)	.111 1111 BITSTRING	1	SITFSSTA	Reserved Function ship start option
(117)	1		SITFSSTY	Link affinity required
	.111 1111		*	Reserved
(1F8)	BITSTRING 1	1	SITCBD SITCBDY	CICS-to-CBD init. option
	.111 1111		*	initialization requested reserved
(1F9)	UNSIGNED	1	SITICPOP	Start-up option
(1FA)	UNSIGNED	1	SITTSPOP	Start-up option
(1FB) (1FC)	CHARACTER CHARACTER	1 1	SITDBCOP SITDB2OP	DBCTL connect required Y N DB2 connect required Y N
(1FD)	UNSIGNED	1	SITBMSOP	Start-up option
(1FE)	CHARACTER	1	SITMQOP	MQ connect required Y N
(1FF)	BITSTRING 1	1	SITFEAT SITFEAWB	Miscellaneous features Web Interface feature
	.1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved Reserved
	1.		*	Reserved
	1		*	Reserved
(200)	UNSIGNED	1	SITPSOPT	System spooling option
(201)	CHARACTER	1	SITPSID	Special feature ident.
(202) (203)	CHARACTER CHARACTER	1 4	SITPSCLS SITGMMNM	Special feature class. Good Morning Transaction
(207)	CHARACTER	4	SITGNITE	Good Night Transaction
(20B)	CHARACTER	1	*	Reserved
	MAXIMUM TASK C	OUNTS		
(20C)	HALFWORD	2	SITMXOTS	Max Open TCBs limit
(20E)	HALFWORD	2	SITMXTSK	Max task count, packed decimal *
	SHUTDOWN ASSIS			
(210)	CHARACTER CHARACTER	4	SITSDTRN	SHUT DOWN TRANSACTION NAMED COUNTER POOL DEFAULT
(214) (21C)	CHARACTER	8 8	SITNCPLD SITCODPG	Default document codepage
()			TYPE=INITIAL MACRO	· · · · · · · · · · · · · · · · · · ·
(224)	ADDRESS	4	SITGMTAD	Address of good morning message
(228)	CHARACTER	4	SITSYSID	Local system entry name
(22C)	HALFWORD	2	SITRAPL	VTAM receive any RPL count
(22E)	HALFWORD	2	SITRAMAX	Max i/o area for receive any's
(230) (232)	HALFWORD BITSTRING	1	SITOPNDL SITACMTH	Max opndst/clsdst count Access Method flags
(_0_,	1		SITVTAM	VTAM=YES
	.1		SITLGNMS	LOGONMSG=YES
	1		*	Reserved Reserved
	1		SITTCPIP	reserved TCPIP=YES
	1		*	Reserved
	1.		*	Reserved
(233)	1 BITSTRING	1	* SITRESP	Reserved Logical Unit Response type
(200)	1	'	SITFME	Function management end
	.1		SITRRN	Reached recovery node
	1		*	Reserved
	1 1		*	Reserved Reserved
	1		*	Reserved
	1.		*	Reserved
	1		*	Reserved
/22 ::	SINGLE KEY RETR			Olivery Adhete OVD and Add
(234)	CHARACTER	624	SITSKRTB	39key x 16byte SKR cmd table

Offset Hex	Туре	Len	Name (Dim)	Description
	FURTHER MISCELL	ANEOUS S	SIZES AND COUNTERS	
(4A4)	HALFWORD	2	SITTDBNO	No. of buffers for I/P TD
(4A6)	HALFWORD	2	SITTDSNO	No. of strings for I/P TD
(4A8)	HALFWORD	2	SITTSBNO	No. of buffers for aux TS
(4AA) (4AC)	HALFWORD FULLWORD	2 4	SITTSSNO SITVMXWE	No. of strings for aux TS Max # autoinstall WE's
(4AC) (4B0)	CHARACTER	8	SITVAXIT	Autoinstall user-program name
(4B8)	CHARACTER	8	SITTBPX3	TBP exit program 3
(4C0)	CHARACTER	8	SITTBPX4	TBP exit program 4
(4C8)	CHARACTER	8	SITTBPX5	TBP Exit Program 5
(4D0)	CHARACTER	8	SITUOWNQ	UOW network qual (VTAM=NO)
(4D8)	CHARACTER	1	SITVAICN	Console autol (YES NO AUTO)
(4D9)	CHARACTER XRF - DEFINITION	3	TIVE AND DACKUD	RESERVED
(4DC)				VDF function
(4DC)	CHARACTER	1	SITXRFFN	XRF function
(4DD)	CHARACTER	1	SITXRSNS	CICS (XRF) signon state
(4DE)	CHARACTER	8	SITGAPLD	Generic applid
(4E6)	CHARACTER	8	SITSAPLD	Specific applid
	XRF - DEFINITION			
(4EE) (4F0)	HALFWORD FULLWORD	2 4	* SITPDI	Reserved Action delay interval
(41 0)	XRF - DEFINITION			Action delay linterval
(4F4)	CHARACTER	1	SITTAKE	Takeovr option
(4F5)	CHARACTER	8	SITCLT	Command list table
(4F5) (4FB)	CHARACTER CHARACTER	6 2	SITCLTSF	- prefix - suffix
(4FD)	CHARACTER	3	*	Reserved
(500)	FULLWORD	4	SITADI	Action delay interval
(504)	FULLWORD	4	SITJDI	JES delay interval
(508)	CHARACTER	4	SITRMTRN	Recovery transaction
	XRF - DEFINITION	S FOR BOT	TH AND XRF=NO	
(50C)	FULLWORD	4	SITACOND	Autoconnect delay
	RESERVED FO	R RESTRU	CTURE	
(510)	BITSTRING	1	SITPMERR	Initialization parameter errors
(510)	1	'	SITPMACT	interact with the console op
	.1		SITPMIGN	ignore them
	1		SITPMABN	abend CICS on errors
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved Reserved
	1		*	Reserved
(511)	BITSTRING	1	SITNEW	NEWSIT= override?
(- /	1		SITNEWY	yes
	.1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1 1		*	Reserved Reserved
	1.		*	Reserved
	1		*	Reserved
(512)	BITSTRING	1	SITXSIGN	XRF sign-on byte
	1		SITXSFRC	Force sign-on requested
	.1		*	Reserved
	1		*	Reserved Reserved
	1		*	Reserved
	1		*	Reserved
	1.		*	Reserved
(513)	1 BITSTRING	1	* SITMISC	Reserved Miscellaneous bits
(313)	1	'	SITRAPLF	RAPOOL FORCE specified
(514)	FULLWORD	4	*	Reserved
(518)	FULLWORD	4	*	Reserved
(51C)	CHARACTER	8	SITAXI	AXI table
(51C)	CHARACTER	6	SITAVISE	- prefix (DFHAXI or blanks)
(522) (524)	CHARACTER CHARACTER	2 8	SITAXISF SITDRPGN	- suffix Dynamic Routing Program
(524) (52C)	HALFWORD	2	SITHRAPL	HPO rapool value
(52E)	HALFWORD	2	SITXSFI	XRF signoff timeout in mins
(530)	CHARACTER	4	SITRTRN2	XRF signed-on transaction
(534)	CHARACTER	4	SITDRTRN	Dynamic Routing Transaction *
	SIT OVERRIDE EXIST	ENCE BITS	- one per SIT field	
(538)	CHARACTER	32	SIT_EXISTENCE_ BITS	
(538)	BITSTRING 1	1	* SITODSVS V	Operating system level
	1		SITOPSYS_X	Operating system level

Offset Hex	Туре	Len	Name (Dim)	Description
	.1		SITOPREL_X	Operating system release
	1		SITCICS_X	CICS system
	1		SITCIREL_X	CICS release
	1		SITLEN_X	SIT length
	1		SITCWA_X	WRKAREA= existence bit
	1.		DFHDLL_X	Addr of DL/I link list
(520)	1	1	DFHAPT_X *	Reserved
(539)	BITSTRING 1			Communications area addr
	.1		SITCOMA_X	
	1		SITOVRPM_X *	Addr of override para Reserved
	1		SITSRPAE X	Reserved
	1		SITPRVMA X	PRVMOD= existence bit
	1		SITICVAL X	ICV= existence bit
	1.		SITRICVL_X	ICVR= existence bit
	1		SITDFINT_X	Reserved for LGDFINT= bit
(53A)	BITSTRING	1	*	110001104 101 2021 1111 211
()	1		SITTSDTI_X	ICVTSD= existence bit
	.1		SITFTIMO_X	FTIMEOUT= existence bit
	1		SITQTIMO_X	QUIESTIM= existence bit
	1		SITSYDUMAX_X	SYDUMAX= existence bit
	1		SITTRDUMAX_X	TRDUMAX= existence bit
	1		SITTRTSZ_X	TRTABSZ= existence bit
	1.		*	Reserved
	1		SITAKPFR_X	AKPFREQ= existence bit
(53B)	BITSTRING	1	*	
	1		SITDBLBL_X	DBP= existence bit
	.1		SITSRCVY_X	STGRCVY= existence bit
	1		*	Reserved
	1		SITPSDI_X	PSDI= existence bit
	1		*	Reserved
	1		SITTSTG_X	
	1.		SITSVSNO_X	SVC= existence bit
	1		SITSISNO_X	SRBSVC= existence bit
(53C)	BITSTRING	1	*	
	1		SITFLDSP_X	FLDSEP= existence bit
	.1		SITSTR_X	SYSTR= existence bit
	1		SITUTR_X	USERTR= existence bit
	1		SITITR_X SITGTR_X	INTTR= existence bit GTFTR= existence bit
	1		SITATR_X	AUXTR= existence bit
	1.		SITATK_X SITASW_X	AUXTRSW= existence bit
	1		*	Reserved
(53D)	BITSTRING	1	*	DUMP existence bits
(002)	1	•	SITSDUMP_X	DUMP= existence bit
	.1		SITDMPDS_X	DUMPDS= existence bit
	1		SITDMPRT_X	DURETRY= existence bit
	1		SITDMPSW_X	DUMPSW= existence bit
	1		SITMSGCS_X	MSGCASE= existence bit
	1		SITGRNME_X	GRNAME= existence bit
	1.		SITDAE_X	DAE= existence bit
	1		*	Reserved
(53E)	BITSTRING	1	*	
	1		SITPRINT_X	PRINT= existence bit
	.1		SITMSGLV_X	MSGLVL= existence bit
	1		SITPL1_X	
	1		SITRUWPL_X	RUWAPOOL existence
	1		SITDTYMD_X	DATFORM=YYMMDD existence
	1		SITDTMPY_X	DATFORM AMARDYY existence
			SITDTMDY_X	DATFORM=MMDDYY existence
(53F)	1 BITSTRING	1	SITVSPLI_X *	
(55F)	1	'	SITIRCS_X	IRC= existence bit
	.1		SITHPO_X	HPO= existence bit
	1		SITLPA_X	LPA= existence bit
	1		SITCBD X	CBD= existence bit
	1		SITEODI_X	EODI= existence bit
	1		SITTCAMO_X	TCAM= existence bit
	1.		SITCBDSF_X	CBDSUFFX= existence bit
	1		SITTRAPO_X	TRAP= existence bit
(540)	BITSTRING	1	*	
` '	1		SITMONY_X	MN= existence bit
	.1		SITMONPR_X	MNPER= existence bit
	1		SITMONEX_X	MNEXC= existence bit
	1		SITMONEV_X	MNEVE= existence bit
	1		SITGRPLI_X	GRPLIST= existence bit
	1		SITPGCPY_X	PGCOPY= existence bit
	1.		SITPGPRG_X	PGPURGE= existence bit
	1		SITPGRET_X	PGRET= existence bit
(541)	BITSTRING	1	*	
	1		SITFCOMP_X	
	.1		SITPRGD_X	PRGDLAY= existence bit
	1		SITALGN_X	ALIGN= existence bit
	1		SITNDDS_X	NODDS= existence bit
(F.40)	1		SITMCTSF_X	MCT= existence bit
(542)	BITSTRING	1		

Offset Hex	Туре	Len	Name (Dim)	Description
пех	1		SITCDSA X	CDSASZE existence bit
	.1		SITUDSA_X	UDSASZE existence bit
	1		SITSDSA_X	SDSASZE existence bit
	1		SITRDSA_X	RDSASZE existence bit
	1		SITECDSA_X	ECDSASZE existence bit
	1		SITEUDSA X	EUDSASZE existence bit
	1.		SITESDSA_X	ESDSASZE existence bit
	1		SITERDSA_X	ERDSASZE existence bit
(543)	CHARACTER	1	*	Reserved *
(544)	FULLWORD	4	*	Reserved
(548)	BITSTRING	1	*	
` ,	1		*	Reserved
	.1		SITSTRTA_X	
	1		*	Reserved
	1		SITSTART_X	START= existence bit
	1		SITIND_X	
	1		SITTCTOP_X	TCT startup option
	1.		SITDCTOP_X	DCT startup option
	1		*	Reserved
(549)	BITSTRING	1	*	
	1		SITPPTOP_X	PPT startup option
	.1		SITPCTOP_X	PCT startup option
	1		SITCSAOP_X	CSA startup option
	1		SITICPOP_X	ICP startup option
	1		SITTSPOP_X *	TSP startup option
	1.		SITBMSOP X	Reserved
	1		*	BMS startup option Reserved
(54A)	BITSTRING	1	*	IVESEIAER
(3+11)	1	'	*	Reserved
	.1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1		SITPMULT X	PYTRAGE= existence bit
	1.		SITSBTSK X	SUBTSKS= existence bit
	1		SITGMMNM_X	GMTRAN= existence bit
(54B)	BITSTRING	1	*	
, ,	1		*	Reserved (wbhttp not needed@QIC
	.1		SITMXTSK_X	MXT= existence bits
	1		SITWBTIP_X	WEBDELAY(1) existence bit
	1		SITWBGCI_X	WEBDELAY(2) existence bit
	1		SITFEAT1_X	Miscellaneous feature 1
	1		SITFEAT2_X	Miscellaneous feature 2
	1.		SITFEAT3_X	Miscellaneous feature 3
	1		SITFEAT4_X	Miscellaneous feature 4
(54C)	BITSTRING	1	*	
	1 .1		SITFEAT5_X	Miscellaneous feature 5 Miscellaneous feature 6
	1		SITFEAT6_X	Miscellaneous feature 7
	1		SITFEAT7_X SITFEAT8_X	Miscellaneous feature 8
	1		SITGMTAD_X	CSECT address
	1		SITSYSID_X	SYSIDNT= existence bit
	1.		SITRAPL X	RAPOOL= existence bit
	1		SITHRAPL_X	HPO RAPOOL= existence bit
(54D)	BITSTRING	1	*	7.1. 0 7.0 til 002= 0.1.0.0.1.00 bit
(- /	1		SITOPNDL_X	OPNDLIM= existence bit
	.1		SITVTAM_X	VTAM= existence bit
	1		SITLGNMS_X	LGNMSG= existence bit
	1		SITSKRTB_X	SKRxxxx= existence bit
	1		SITTDBNO_X	TD= existence bit 1st
	1		SITTDSNO_X	TD= existence bit 2nd
	1.		SITTSBNO_X	TS= existence bit buffers
	1		SITTSSNO_X	TS= existence bit start
(54E)	BITSTRING	1	* OFT A DAY = 17	NOMAN
	1		SITVMXWE_X	AIQMAX= existence bit
	.1		SITVAXIT_X	AIEXIT= existence bit
	1		SITRAPLF_X	RAPOOL FORCE existence
	1		*	Reserved
	1		SITUOMNO V	Reserved
	1.		SITUOWNQ_X SITXRFFN_X	UOWNETQL existence bit XRF= existence bit
	1		SITXRSNS_X	AIN - existence bit
(54F)	BITSTRING	1	*	
(5-41)	1		SITGAPLD_X	APPLID= existence 1st
	.1		SITSAPLD_X	APPLID= existence 2nd
	1		SITPDI_X	PDI= existence bit
	1		SITTAKE_X	TAKEOVR= existence bit
	1		SITCLT_X	CLT= existence bit
	1		SITCLTSF_X	CLT= existence bit
	1.		SITADI_X	ADI= existence bit
	1		SITJDI_X	JESDI= existence bit
(550)	BITSTRING	1	*	
	1		SITRMTRN_X	RMTRAN= existence bit
	.1		SITPMERR_X	PARMERR= existence bit
	1		SITNEW_X	NEWSIT= existence bit

Offset Hex	Туре	Len	Name (Dim)	Description
	1		SITDSRPM_X	DSRTPGM= existence bit
	1		SITTRNTY_X SITTRNSZ_X	TRTRANTY = existence bit TRTRANSZ = existence bit
	1.		SITAXI_X	RST= existence bit
	1		SITLANGS_X	NATLANG= existence bit
(551)	BITSTRING	1	*	OTNED seletane bit stee
	1		SITGTRST_X SITGTRSP_X	STNTR= existence bit stan STNTR= existence bit spec
	1		SITMROB_X	MRO BATCHING PARAMETER
	1		SITTCUA_X	TCTUALOC existence bit
	1		SITINIT_X	INITPARM existence bit
	1		SITDISM_X SITSTRCD_X	DISMACP existence bit STATRCD existence bit
	1		SITUDTIM_X	UDTIM existence bit
(552)	BITSTRING	1	*	
	1		SITLUIT_X SITDSA X	LUITTIME existence bit DSALIM existence bit
	1		SITEDSA_X	EDSALIM existence bit
	1		SITLLACP_X	LLACOPY existence bit
	1		SITSLD_X	SLD existence flag
	1		SITGRPL2_X SITGRPL3_X	GRPLIST = existence bit 2 GRPLIST = existence bit 3
	1		SITGRPL4_X	GRPLIST = existence bit 3 GRPLIST = existence bit 4
(553)	BITSTRING	1	*	
	1		SITREMDL_X	Remote delete idle
	.1		SITREMDI_X SITCMDPRO_X	Remote delete interval CMDPROT existence
	1		SITTCUAKY_X	TCTUAKEY existence
	1		SITCWAKY_X	CWAKEY existence
	1		SITSTPRO_X	STORPROT existence
	1.		SITRNTPGM_X SITTRNISO_X	RENTPGM existence TRANISO existence
(554)	BITSTRING	1	*	THE SALES OF THE S
	1		SITMONCO_X	Converse monitoring exist
	.1 1		SITMONSY_X SITMONTM_X	Syncpoint monitoring exist MNTIME exists
	1		SITMONFR_X	Frequency monitoring exist
	1		SITMONSS_X	sub-system id exists
	1		SITAPGM_X	PG autoinstall state
	1.		SITACTG_X	PG autoinstall catalog PG autoinstall exit
(555)	BITSTRING	1	SITAPXT_X *	r G automstan exit
, ,	1		SITFRCQR_X	FORCEQR override coded
(550)	.1		SITMXOTS_X	MAXOPENTCBS override coded
(556) (557)	BITSTRING BITSTRING	1 1	*	Reserved Reserved
The fo	ollowing table define			
standa	ard trace. There is o	one bit for each	domain.	
(558)	BITSTRING	8	SITTRXST	Standard Trace Existence
	ollowing table define al trace. There is on			
(560)	BITSTRING	8	SITTRXSP	Special Trace Existence
	TRACE SELECTI	VITY TABLE		
(568)	CHARACTER	512	SITTRSTB	Beginning of table
(568)	BITSTRING	4	SITTRSTN (64)	Standard trace flags
(668)	BITSTRING	4	SITTRSPC (64)	Special trace flags
	NATIONAL LANG	UAGES LIST		
(768)	CHARACTER	36	SITLANGS	National Languages list
	CSD PARAMETE	RS		
(78C)	CHARACTER	44	SITCSDSN	CSDDSN ie 44 char DSNAME
(7B8)	FULLWORD	4	SITCSDST	CSDSTRNO
(7BC) (7C0)	FULLWORD FULLWORD	4 4	SITCSDBI SITCSDBD	CSDBUFNI CSDBUFND
(7C4)	HALFWORD	2	SITCSDLS	CSDLSRNO
(7C6)	HALFWORD	2	SITCSDJI	CSDJID
(7C8) (7CA)	HALFWORD BITSTRING	2 1	SITCSDFR SITCSDRC	CSDFRLOG CSDRECOV
(TCA)	BITSTRING	!	SITCSDRC	CODRECOV
(7CB)	BITSTRING	1	SITCSIMG	CSDIMAGE
(7CC)	BITSTRING	1	SITCSDAC	CSDACC
(7CD)	BITSTRING	1	SITCSDIS	CSDDISP
(7CE)	BITSTRING	1	*	RLS flags
	1 .1		SITCSRLS SITCSNRI	CSD uses RLS Integrity=uncommitted
	1		SITCSOR	Integrity=consistent
	1		SITCSRR	Integrity=repeatable
(705)	1111	4	* CIT\/DI C	Reserved
(7CF)	BITSTRING	1	SITVRLS	RLS settings

Offset Hex	Туре	Len	Name (Dim)	Description		
	1		SITRLS	RLS enabled for this CICS		
	.1		SITRTOL	RLS files in pool build		
	11 1111		*	Reserved		
AI	LDELAY KEYWORD					
(7D0)	CHARACTER	4	SITDDLY	AIDELAY DELETE DELAY TIME		
CI	LSDSTP KEYWORD					
(7D4)	CHARACTER	1	SITCLSP	CLSDST NOTIFY/NONOTIFY		
	LLACOPY KEYWORI	D				
(7D5)	BITSTRING	1	SITLLACP	LLACOPY OPTION		
	1		SITLLAY	LLACOPY=YES		
	.1		SITLLAN	LLACOPY=NO		
	1		SITLLANC	LLACOPY=NEWCOPY		
P(PGAIPGM KEYWORD					
(7D6)	CHARACTER	1	SITAPGM	PG autoinstall state		
PC	GAICTLG KEYWORD					
(7D7)	CHARACTER	1	SITACTG	PG autoinstall catalog		
PC	GAIEXIT KEYWORD					
(7D8)	CHARACTER	8	SITAPXT	PG autoinstall exit		
	Extended GRPLIST p	arameter				
(7E0)	CHARACTER	8	SITGRPL2	SPI grouplist 2		
(7E8)	CHARACTER	8	SITGRPL3	SPI grouplist 3		
(7F0)	CHARACTER	8	SITGRPL4	SPI grouplist 4		
Te	erminal idle keyword					
(7F8)	UNSIGNED	4	SITREMDL	Remote delete idle		
In	terval keyword					
(7FC)	CHARACTER	4	SITREMDI	Remote delete interval		
	RLS Section of SIT					
(800)	UNSIGNED	2	SITFTIMO	RLS timeout		
(802)	UNSIGNED	2	SITQTIMO	RLS quiesce timeout		
-	Distributed routing pro	ogram				
(804)	CHARACTER	8	SITDSPGN	Distributed routing pgm		
SE	ECURE SOCKETS LAY	ER parame	eters			
(80C)	UNSIGNED	4	SITSSLTI	SSL V3 timeout value		
(810)	CHARACTER	48	SITSSKYF	SSL Keyfile		
(840)	CHARACTER	16	SITSSKYQ	SSL Keyfile qualifier		
(850)	CHARACTER		DFHSITEA	End of table label		

TRACE SELECTIVITY TABLE REDEFINED

Offset Hex	Туре	Len	Name (Dim)	Description
(568)	STRUCTURE	256	SITTRSTA	Redefine the table
(568)	BITSTRING	4	SITTRST1 (15)	Standard trace flags for first 15 domains
(5A4)	BITSTRING	4	SITAPSTN	AP Standard trace flags
(5A8)	BITSTRING	4	SITRMSTN	RM Standard trace flags
(5AC)	BITSTRING	4	SITA2STN	A2 Standard trace flags
(5B0)	BITSTRING	4	SITTRST2 (8)	Standard trace flags for next 8 domains
(5D0)	BITSTRING	24	*	for future domains
(5E8)	BITSTRING	4	SITTRSP1 (15)	Special trace flags for first 15 domains
(624)	BITSTRING	4	SITAPSPC	AP Special trace flags
(628)	BITSTRING	4	SITRMSPC	RM Special trace flags
(62C)	BITSTRING	4	SITA2SPC	AP Special trace flags
(630)	BITSTRING	4	SITTRSP2 (8)	Special trace flags for next 8 domains
(650)	BITSTRING	24	*	for future domains

DL/I EXTENSION OF SIT

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	DFHLISTA	
	BITSTRING	4	DLIFLG	Flog volue
(0)	1	'	DLIFLG *	Flag value Reserved
	.1		*	Reserved
	1		*	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1.		DLIPSBCK	PSB checking required
	1		*	Reserved
(1)	BITSTRING	1	*	Reserved
(2)	CHARACTER	2	DLPDIRSF	PDIR suffix

GOOD MORNING MESSAGE

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	248	DFHGMMS	
(0)	HALFWORD	2	SITGMTXL	Message length
(2)	CHARACTER	246	SITGMTXT	
(2)	CHARACTER	13	*	Message number
(F)	CHARACTER	19	*	Default message
(22)	CHARACTER	5	*	Trailer
(27)	CHARACTER	209	*	Filler
(F8)	CHARACTER		SITGMTXE	Message end

INITPARM chain structure

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	SITINIT	
(0)	ADDRESS	4	INITCPTR	PTR to next entry on chain
(4)	CHARACTER	8	INITPGMID	The INIT program ID name
(C)	UNSIGNED	1	INITPSLEN	The INIT Parm String length
(D)	CHARACTER	*	INITPSTRG	The INIT Parm String

PRVMOD list

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DFHPRVMOD	
(0)	FULLWORD	4	SITPRVML	List length
(4)	FULLWORD	4	SITPRVMN	Number of modules
(8)	CHARACTER	*	SITPRVMNAME	Module names are here

Start-up indicators in SITICPOP, SITSPOP and SITBMSOP

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE 1 .1	1	SITSTOPT WARMST COLDST	Warm start Cold start
	1		COLDEX *	Cold execution
	1		EMEREX	Emergency start

Constants

Len 1	Type CHARACTER	Value B	Name SITTCUAB	Description Below
1	CHARACTER	A	SITTCUAA	Any
Opera	ating System Constants.	SITOPSYS		
1	CHARACTER	Х	SITMVX	MVS/XA
Relea	ase Level Constants. SITO	OPREL		
	list of constants below is			
	er possible values for OPF structed from the official p			
	control program.			
1	HEX	11	SITE11	DOS/VSE release 1.1
1	HEX	12	SITE12	DOS/VSE release 1.2
1	HEX HEX	13 37	SITE13 SITM37	DOS/VSE release 1.3 OS/MVS release 3.7
1	HEX	38	SITM38	OS/MVS release 3.8
1	HEX	17	SITX17	MVS/XA release 2.1.7
1	HEX HEX	20 21	SITX20 SITX21	MVS/XA release 2.2.0 MVS/XA release 2.2.1
1	HEX	10	SITE10	MVS/ESA release 3.1.0
1	HEX	22	SITE22	MVS/ESA release 4.2.2
CICS	System Constants. SITC	ICS		
1	CHARACTER	E	SITELS	Reserved
1	CHARACTER	F	SITFULL	Full CICS
CICS	Release Constants. SITO	CIREL		
1	HEX	14	SITC14	Vers.1, release 4
1	HEX	15	SITC15	Vers.1, release 5
1	HEX HEX	16 17	SITC16 SITC17	Vers.1, release 6 Vers.1, release 7
1	HEX	21	SITC17 SITC21	Vers.2, release 7
1	HEX	31	SITC31	Vers.3, release 1
1	HEX	32	SITC32	Vers.3, release 2
1	HEX HEX	33 41	SITC33 SITC41	Vers.3, release 3 Vers.4, release 1
1	HEX	51	SITC51	Vers.5, release 1
1	HEX	52	SITC52	Vers.5, release 2
1	HEX	53	SITC53	Vers.5, release 3
CICS	Modification Level consta	ants. SITCIMOD		
1	HEX	00	SITMOD00	Mod level 0
1	HEX HEX	01 02	SITMOD01 SITMOD02	Mod level 1 Mod level 2
1	HEX	03	SITMOD02 SITMOD03	Mod level 3
Spoo	ler Control Constants. SI	FPSOPT		
1	HEX	80	YSPOOL	Spooling = yes
1	HEX	00	NSPOOL	Spooling = no
XRF	Function and Sign on sta	te Constants. SITXRFFN and SIT	KRSNS	
1	CHARACTER	Υ	SITXRFY	XRF Function enabled
1	CHARACTER	N	SITXRFN	XRF Function Disabled
1	CHARACTER	N	SITXRNO	Not signed on
1	CHARACTER CHARACTER	A B	SITXRACT SITXRALT	Signed on as active Signed on as alternate
· —	Takeover Constants. SIT			g do diformato
-			CITTAVEA	Auto takaayar
1 1	CHARACTER CHARACTER	A C	SITTAKEA SITTAKEC	Auto takeover Command takeover
1	CHARACTER	M	SITTAKEM	Manual takeover
CSD	Constants for SITCSDRC	C, SITCSDAC and SITCSDIS		
1	HEX	80	SITCSRCA	All
1	HEX	40	SITCSRCN	None
1	HEX	20	SITCSRCB	Backout only
1	HEX HEX	00 80	SITCSSHA SITCSFUZ	Static Dynamic
1	HEX	80	SITCSDRO	Read only
1	HEX	40	SITCSDRW	Read Write
1 1	HEX HEX	80 40	SITCSDSH SITCSDOL	Shr Old
			5.100001	- Jiu
		ace Constants for SITFEPOP	OLTERNIA	
1 1	CHARACTER CHARACTER	Y N	SITFEPIN SITFEPOU	FEPI required FEPI absent
			5.11 L1 00	i Ei i absolit
SITS	tants for SITSINIT (STAR INIT qualifies a SITSTAR or an initial start.	T=INTIAL). T='I' denoting whether its a cold		
1	CHARACTER	Y	SITSINIY	Start=initial
1	CHARACTER	N	SITSININ	Not start=initial
DBC	TL connect required const	tants for SHDBCOP		_

Len 1 1	Type CHARACTER CHARACTER	Value Y N	Name SITDBCTY SITDBCTN	Description required not required			
DB2	connect required consta	ants for SITDB2OP		· · · · · · · · · · · · · · · · · · ·			
1	CHARACTER CHARACTER	Y N	SITDB2Y SITDB2N	required not required			
MQ d	MQ connect required constants for SITMQOP						
1	CHARACTER CHARACTER	Y N	SITMQY SITMQN	required not required			
SEC	URITY CONSTANTS FO	OR SITSCOPE					
1 1 1	DECIMAL DECIMAL DECIMAL DECIMAL	1 2 3 4	SITSNS_N SITSNS_C SITSNS_M SITSNS_S	SIGNON SCOPE=NONE SIGNON SCOPE=CICS SIGNON SCOPE=MVSIMAGE * SIGNON SCOPE=SYSPLEX			
PRO	PROGRAM MANAGER CONSTANTS						
1 1 1 1	CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER	I A M N A	SITAPGMI SITAPGMA SITACTGM SITACTGN SITACTGA	INACTIVE ACTIVE MODIFY NONE ALL			

SKA Skp subtask control area

CONTROL BLOCK NAME = DFHSKAPS
DESCRIPTIVE NAME = CICS (SKP) Subtask Control Area. FUNCTION = Describe 'per-subtask' storage definition. DFHSKAPS belong to the General Purpose Subtasking facility Each instance of this control block describes the state of one subtask. LIFETIME = That of CICS static storage.

STORAGE CLASS = CICS static storage. LOCATION = Located in the static storage for module DFHSKP. INNER CONTROL BLOCKS = None. NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None.

MODULE TYPE = Control block definition EXTERNAL REFERENCES = None. DATA AREAS = None. CONTROL BLOCKS = None. GLOBAL VARIABLES (Macro pass) = None. SUBTASK CONTROL AREA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	176	DFHSKAPS	Subtask control area
exe	ecutor. This field must s set by SKC and refe	remain at the	of DFHSKE - the subtask ne start of DFHSKAPS. SIP on MVS, and by SKC on	
(0)	ADDRESS	4	SKASKENA	DFHSKENA entry point
	ASTGP contains the SKE.	address of a	utomatic storage to be used	
(4)	ADDRESS	4	SKASTGP	add of subtask auto storage
SKAQUES contain the WQE queues for the subtask. SKAWORKQ contains WQEs as yet unprocessed by the subtask. SKAPROGQ contains WQEs currently being processed. SKAWAITQ contains WQEs that have issued a DFHSK CTYPE= WAIT macro.				
(8)	CHARACTER	12	SKAQUES	WQE queues for subtask
(8)	ADDRESS	4	SKAWORKQ	work
(C)	ADDRESS	4	SKAPROGQ	in_progress
(10)	ADDRESS	4	SKAWAITQ	waiting
	AINWQE contains the ocessed by SKE.	address of	the WQE currently being	
(14)	ADDRESS	4	SKAINWQE	WQE being processed

Offset Hex	Туре	Len	Name (Dim)	Description
W		to the work q	ubtask. It is posted by SKM ueue. When SKE has no work	
(18)	UNSIGNED	4	SKAEWRK	work ECB for subtask
S			on ECB. It is waited on by system when the subtsk	
(1C)	CHARACTER	4	SKASCOMP	subtask completion ECB
s p	ubtask(MVS) or the sul	task DETAC TYPE=TERM	either it DETACHes the Hes itself(DOS). SKM, INATE waits for subtasks to go ntinue.	
(20)	UNSIGNED	4	SKADTECB	MVS DETACH issued for subtask
it		C waits for t	by the subtask to indicate his to be posted before	
(24)	UNSIGNED	4	SKAINECB	ECB for sub initialisation
	SKASRETC contains the sed to indicate to SKC		code of the subtask and is ompletion.	
(28)	UNSIGNED	1	SKASRETC	subtask completion code
Α		KC examines	code of an ESTAE or STXIT this field and outputs it in the subtask.	
(29)	UNSIGNED	1	SKAESFCD	ESTAE/STXIT failure code
е	KAFAILS is a count of xecuting (not SK exit c KE.		occur when SKE code is and referenced by	
(2A)	HALFWORD	2	SKAFAIL	count of our code failures
S	KAFLAG1 IS A FLAG	BYTE. UPDA	TED BY DFHSKC ONLY	
(2C)	BITSTRING	1	SKAFLAG1	flags - TRUE means
T S	KAFLAG1 HAS BEEN O OVERCOME MULTI SHARED STORAGE CO Collowing 5 flags are sp	IPLE PROCE	SSORS UPDATING	
	1		*	moved to FLAG2
	.1		*	moved to FLAG2
	1		*	moved to FLAG2
	1		*	moved to FLAG3
	1		*	reserved
	KASINIT indicates that nd is running.	this subtask	has been initialised	
	1		SKASINIT	subtask is initialised
Г	ollowing flag is spare.		*	moved to FLAG2
р			s encountered an error by SKC and	
	1		SKASDEAD	subtask is dead
			TED BY DFHSKE ONLY	
(2D)	BITSTRING	1	SKAFLAG2	FLAGS - TRUE MEANS
P s	KARGPSW indicates to SW at the time of failute to by the SKE exit code on SKE mainline code.	re in DFHSK	APS. It is	
	1		SKARGPSW	regs&psw are in SKA
	KAABCP indicates the ystem abend code in D		the operating	
	.1		SKAABCP	abend code is in SKA
o s	KARUNNG is set by S n exit from SKE. SKC ee if the subtask was r erminated.	references th	is field to	
	1		SKARUNNG	subtask running
F	following 3 flags are sp	are.		
	1 11		*	spare flags

Offset Hex	Туре	Len	Name (Dim)	Description	
	AUSCOD indicates this ecuting an SK exit routing		s currently		
	1.		SKAUSCOD	user code in progress	
Fol	lowing flag is spare.				
	1		*	spare flag	
SK	AFLAG3 IS A FLAG BY	TE UPDA	TED BY DFHSKM ONLY		
(2E)	BITSTRING	1	SKAFLAG3	FLAGS - TRUE MEANS	
Fol	lowing 3 flags are spare	e.			
	111		*	spare flags	
	AQUIES is set by SKM stask should terminate (
	1		SKAQUIES	quiesce requested	
Fol	lowing 4 flags are spar	e.			
	1111		*	spare flags	
mu terr	AMWLST is a list of po Itiple wait. It is used by minated by the top bit in DOS the byte after the	DFHSKE. the last B	ECB ptr being on, and		
(30) (30)	ADDRESS CHARACTER 1	4 1	SKAMWLST (6) SKAMFB SKAMEOL	multiple WAIT list first byte of each address first bit thereof	
SK. are		on entry t	o point to the MVS save		
(48)	UNSIGNED	4	SKASAV13	ADDR(MVS save area)	
SK. SK		ram Interr	upt Control Area used by		
(4C)	UNSIGNED	4	SKAPICA (4)	subtask MVS PICA (ESPIE)	
	AABC contains the ope SKE. An existance bit i		tem abend code, and is used LAG1.		
(5C)	CHARACTER	4	SKAABC	operating system abend code	
	APSAV contains the re ed by SKE. An existance				
(60) (60)	CHARACTER FULLWORD	64 4	SKAPSAV * (16)	program check save area registers	
	SKAPSW contains the PSW at time of failure, and is used by SKE. An existance bit is in SKAFLAG1.				
(A0)	CHARACTER	8	SKAPSW	EC mode program check PSW	
SK. SK		nterrupt inf	ormation, and is used by		
(A8) (A8) (AA) (B0)	CHARACTER HALFWORD HALFWORD CHARACTER	8 2 2	SKAINT SKAINTL SKAINTC SKAEND	interrupt information instruction length instruction code end of DFHSKAPS	

SKRQ Subtask management parameter block

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)			DFHSKRQ	

FUNCTION =

The Subtask Management Parameter Block (SKRQ) is the parameter list for the subtask management module.

Hex	Offset	Туре	Len	Name (Dim)	Description	
REQUEST TYPE VALUES		.,,,-		, ,		
1 SKRQPER "X'01" PERFORM	(0)	BITSTRING	1	SKRQTR	V*1 FUNCTION REQUEST BYTE	
1. SKRQWAIT "X'02" WAIT11 SKRQRET "X'03" RETURN1. SKRQTER "X'04" TERMINATE1.1 SKRQDWE "X'05" DWE TO BE PROCESSED (1) BITSTRING 1 SKRQRM V*2 REQUEST MODIFIER BITS DEFINED FOR REQUEST MODIFIER 1 SKRQAY "X'01" AUTH=YES SPECIFIED	REQUES	ST TYPE VALUES				
		1		SKRQPER	"X'01" PERFORM	
		1.		SKRQWAIT	"X'02" WAIT	
1.1 SKRQDWE "X'05" DWE TO BE PROCESSED (1) BITSTRING 1 SKRQRM V*2 REQUEST MODIFIER BITS DEFINED FOR REQUEST MODIFIER 1 SKRQAY "X'01" AUTH=YES SPECIFIED		11		SKRQRET	"X'03"" RETURN	
(1) BITSTRING 1 SKRQRM V*2 REQUEST MODIFIER BITS DEFINED FOR REQUEST MODIFIER 1 SKRQAY "X'01" AUTH=YES SPECIFIED		1				
BITS DEFINED FOR REQUEST MODIFIER 1 SKRQAY "X'01" AUTH=YES SPECIFIED				SKRQDWE	"X'05" DWE TO BE PROCESSED	
1 SKRQAY "X'01" AUTH=YES SPECIFIED	(1)	BITSTRING	1	SKRQRM	V*2 REQUEST MODIFIER	
	BITS DE	BITS DEFINED FOR REQUEST MODIFIER				
1 SKROCI "Y'02" CLASS_I/O SPECIEIED		1		SKRQAY	"X'01" AUTH=YES SPECIFIED	
SKINGOI AUZ CLASS=I/O SPECIFIED		1.		SKRQCI	"X'02" CLASS=I/O SPECIFIED	
1 SKRQSS "X'04" SAVAREA SPECIFIED		1		SKRQSS	"X'04" SAVAREA SPECIFIED	
1 SKRQSY "X'08" SYNC=YES SPECIFIED		1		SKRQSY	"X'08" SYNC=YES SPECIFIED	
(2) BITSTRING 1 V*3 RESERVED	(2)	BITSTRING	1		V*3 RESERVED	
(3) BITSTRING 1 SKRQRC V*4 RESPONSE CODE	(3)	BITSTRING	1	SKRQRC	V*4 RESPONSE CODE	
RESPONSE CODE VALUES	RESPON	NSE CODE VALUES				
SKRQNORM "0" NORMAL RESPONSE				SKRQNORM	"0" NORMAL RESPONSE	
1 SKRQUCF "4" USER CODE FAILED		1		SKRQUCF	"4" USER CODE FAILED	
1 SKRQSCF "8" SUBTASK CODE FAILED		1		SKRQSCF	"8" SUBTASK CODE FAILED	
11 SKRQUPR "12" UNABLE TO PERFORM REQUEST		11		SKRQUPR	"12" UNABLE TO PERFORM REQUEST	
1 SKRQRNC "16" REQUEST NEVER COMPLETED		1		SKRQRNC	"16" REQUEST NEVER COMPLETED	
1 .1 SKRQINV "20" INVALID REQUEST		1 .1		SKRQINV	"20" INVALID REQUEST	
1 1 SKRQIES "24" INVALID ECB ADDRESS SUPPLIED		1 1		SKRQIES	"24" INVALID ECB ADDRESS SUPPLIED	
1 11 SKRQTWC "28" USER TASK WAS CANCELLED		1 11		SKRQTWC	"28" USER TASK WAS CANCELLED	
SUBTASK IDENTIFIERS	SUBTAS	K IDENTIFIERS				
1 SKSUBXX1 "1" GENERAL SUBTASK/FALLBACK		1		SKSUBXX1	"1" GENERAL SUBTASK/FALLBACK	
1. SKSUBFS1 "2" FILE CONTROL/SECURITY SUBTASK		1.		SKSUBFS1	"2" FILE CONTROL/SECURITY SUBTASK	
11 SKSUBSP1 "3" SPOOLER SUBTASK NUMBER 1		11		SKSUBSP1	"3" SPOOLER SUBTASK NUMBER 1	
1 SKSUBSP2 "4" SPOOLER SUBTASK NUMBER 2		1		SKSUBSP2	"4" SPOOLER SUBTASK NUMBER 2	
(4) ADDRESS 4 SKRORTN ADDRESS OF ROUTINE TO EXECUTE	(4)	ADDRESS	4	SKRQRTN	ADDRESS OF ROUTINE TO EXECUTE	
(8) FULLWORD 4 SKRQPARM ADDRESS OF PARM FIELD						
(C) ADDRESS 4 SKRQECBA ADDRESS OF ECB		ADDRESS	4	SKRQECBA	ADDRESS OF ECB	
(10) ADDRESS 4 SKROTACB ADDRESS OF TACB SLOT		ADDRESS	4	SKRQTACB	ADDRESS OF TACB SLOT	
(14) ADDRESS 4 SKRQSUBI ADDRESS OF SUBTASK ID FIELD		ADDRESS	4		ADDRESS OF SUBTASK ID FIELD	
(18) ADDRESS 4 SKRQPRTY ADDRESS OF PRIORITY HALFWORD	` '	ADDRESS	4	SKRQPRTY	ADDRESS OF PRIORITY HALFWORD	
1 11 SKRQSIZE "*-DFHSKRQ" SIZE IN BYTES	` '	1 11			"*-DFHSKRQ" SIZE IN BYTES	

SKW Skp work queue element

CONTROL BLOCK NAME = DFHSKWPS DESCRIPTIVE NAME = CICS (SKP) Work Queue Element (WQE) FUNCTION = PLS structure describing WQE. This structure is used by the CICS General Purpose Subtasking mechanism. Each instance of this control block represents a piece of work to be performed (usually by a subtask). One instance of the WQE is created per DFHSK PERFORM macro invocation. LIFETIME = Space for WQEs is allocated in DFHSKP static storage. Further WQEs as necessary are obtained during CICS execution The WQEs are freed at CICS termination. STORAGE CLASS = Static initially, and subsequent WQEs are obtained in SHARED storage. LOCATION = WQEs reside on queues controlled by the Subtask Manager(SKM) and the subtask executor(SKE). The queues are anchored from static storage (nb CICS STATIC STORAGE) belonging to SKP. INNER CONTROL BLOCKS = None. NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None. MODULE TYPE = Control block definition EXTERNAL REFERENCES = None. DATA AREAS = None. CONTROL BLOCKS = None. GLOBAL VARIABLES (Macro pass) = None. WORK QUEUE ELEMENT

Offset Hex	Туре	Len	Name (Dim)	Description				
(0)	STRUCTURE	100	DFHSKWPS	Work Queue Element (WQE)				
SK	SKWCHAIN - contains the address of the next WQE in chain							
(0)	ADDRESS	4	SKWCHAIN	chain to next WQE				
	WUPARM - contains the DFHSK CTYPE=PE		s of the PARM field specified nacro.					
(4)	ADDRESS	4	SKWUPARM	PARM specified on SK wait				
lab	WUCADD - contains the specified in the ROUYPE=PERFORM macr	JTINE key	of SK EXIT routine - the word on the SK					
(8)	ADDRESS	4	SKWUCADD	user code address to execute				
the	WSREGS - used by to SK EXIT routine by S synchronous)		egisters before branching to ronous) and SKE					
(C)	CHARACTER	64	SKWSREGS	SKM/SKE register save area				
and	SKWCECB - this is the ECB used to communicate between SKM and SKE. SKM waits on it when the WQE has been put onto a subtask work queue. SKE posts it when the WQE has been processed.							
(4C)	UNSIGNED	4	SKWCECB	CICS work complete ECB				
			ss of the ECB specified on by the SK EXIT routine.					
(50)	ADDRESS	4	SKWOECBA	ptr to ECB for SK WAIT				
	WOABC - contains the end exit was entered in		system abend code when the					
(54)	UNSIGNED	4	SKWOABC	operating system abend code				
sys	stem storage obtained	by SKE to	of a piece of operating hold info about a program ied to a TACB by SKM.					
(58)	ADDRESS	4	SKWOABSP	ptr to os abend storage				
by			of the save area specified ed an SK CTYPE=WAIT					
(5C)	ADDRESS	4	SKWESAVE	A(save area for sk exit regs)				
SK	WFLAGS - flag byte							
(60)	BITSTRING	1	SKWFLAGS	flags - TRUE means				

Offset Hex	Туре	Len	Name (Dim)	Description		
beh	SKWTCANC - set by SKM when the CICS task it is running on behalf of has been purged. SKE ceases to process the WQE when it notices this set.					
	1		SKWTCANC	CICS task has been cancelled		
cor	SKWFABST - set by SKM to indicate that the storage containing regs and PSW at time of failure can be freed by SKE when it next sees the WQE					
	.1		SKWFABST	os abend stg requires freeing		
	SKWWAIT - set by SKE to indicate this the SK EXIT has requested SKE waits on an ECB.					
	1		SKWWAIT	WQE is on WAIT queue		
	SKWTACBE - indicates presence of operating storage containing regs and PSW at time of error.					
	1		SKWTACBE	TACB is chained (in os stg)		
SK	SKWRC - return code from execution of WQE by SKE to SKM					
(61) (62)	UNSIGNED CHARACTER	1 2	SKWRC *	return code fullword alignment		

SLDC System logical device code table

CONTROL BLOCK NAME = DFHSLDC
DESCRIPTIVE NAME = CICS System Logical Device Code Table.
FUNCTION =
The Logical Device Code (LDC) structure is the mechanism used by
CICS to identify the output message destination in an SNA
environment. The SLDC table is generated by the DFHTCT TYPE=LDC
macro instruction. It contains an entry for each LDC mnemonic
used by the system. The logical page size, page disposition and
terminal type are used by BMS to control the format of the output

message.

Offset	Туре	Len	Name (Dim)	Description
Hex			DFHSLDC	
(0) (0)	CHARACTER	2	SLDCMN	LDC MNEMONIC
	BITSTRING	1	SLDCIVIN	LOGICAL DEVICE CODE
(2)	BITSTRING	· ·	SLDCCD	TERMINAL MODEL (MEDIA) (INCLUDING SUBADDRESS)
(3)	BITSTRING	1	SLDCTW	TERMINAL MODEL (MEDIA) (INCLUDING SUBADDRESS)
360)1			
	11		SLD3604	"X'11" KEYBOARD DISPLAY
	1 .111		SLD3610	"X'17" DOCUMENT PRINTER
	1 11		SLD3612	"X'19" PASSBOOK & DOCUMENT PRINTER
	1		SLD3618	"X'20" ADMINISTRATIVE LINE PRINTER
	11		SLD3618P	"X'21" LINE PRINTER PRIMARY CARRIAGE
	11.		SLD3618S	"X'22" LINE PRINTER SECONDARY CARRIAGE
	111		SLD3618B	"X'23" LINE PRINTER BOTH CARRIAGES
			SLDCBLCO	"X'00" CONSOLE (DEFAULT IF NO LDC)
	1		SLDCBLD1	"X'10" DISK 1
	11		SLDCBLD2	"X'11" DISK 2
	1		SLDCBLR1	"X'20" READER (INPUT ONLY)
	1		SLDCBLH1	"X'20" PUNCH (OUTPUT ONLÝ)
	11		SLDCBLP1	"X'30" PRINTER (OUTPUT ONLY)
	1		SLDCWPM1	"X'80" WORD PROCESSING MEDIUM 1
	11		SLDCWPM2	"X'90" WORD PROCESSING MEDIUM 2
	1.1		SLDCWPM3	"X'A0" WORD PROCESSING MEDIUM 3
	11		SLDCWPM4	"X'C0" WORD PROCESSING MEDIUM 4
(4)	ADDRESS	1	SLDCROW	NUMBER OF DISPLAY ROWS
(5)	ADDRESS	1	SLDCCLM	NUMBER OF DISPLAY COLUMNS
(6)	BITSTRING	1	SLDCSTAT	LDC STATUS BYTE
(-)	1		SLDCSPGP	"X'80" PAGE STATUS
(7)	CHARACTER	8	SLDCDSN	DESTINATION NAME
(F)	BITSTRING	1	SLDCDSP	DATA STREAM PROFILE BITS 4 TO 7
()			SLDCPDEF	"X'00" DEFAULT PROFILE
	1		SLDCPBS	"X'01" BASE PROFILE
	11		SLDCPJOB	"X'03" JOB PROFILE
	1		SLDCPRAW	"X'04" WP RAW PROFILE
	11.		SLDCPOI1	"X'06" OII LEVEL 1
	111		SLDCPOI2	"X'07"" OII LEVEL 2
	1		SLDCPOI3	"X'08" OII LEVEL 3
Other	values are reserved			
	1		SLDCEND	"*" END OF SYSTEM LDC ENTRY

Offset Hex	Туре	Len Name (Dim)	Description
	1	SLDCLEN	"*-DFHSLDC" LENGTH OF SYSTEM LDC ENTRY

SMD Domain subpool storage statistics

CONTROL BLOCK NAME = DFHSMDDS DESCRIPTIVE NAME = CICS Storage statistics for domain subpools. FUNCTION = This DSECT describes the Domain subpool statistics provided by the storage manager. It is provided for use in users monitoring applications to map the statistics returned via the statistics exit or SMF. An instance of this data area may represent the statistics for any one of the domain subpools. There is a single instance of this data block. LIFETIME = This data block is created by the storage manager to hold domain subpool statistics. It is released when the request for statistics has been satisfied. LOCATION = Caller is passed a pointer to the head of the block. INNER CONTROL BLOCKS = None DEPENDENCIES = S/370 RESTRICTIONS = none MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS From storage manager domain. GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSMDDS	Domain subpool statistics
(0)	FULLWORD	4	(0)	Fullword allignment
(0)	HALFWORD	2	SMDLEN	Length of data area
` ,	1.1		SMDIDE	"5" Domain subpool id mask
(2)	ADDRESS	2	SMDID	Domain subpool stats id
(-)	1		SMDVERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	SMDDVERS	Statistics version number
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	8	SMDSPN	Subpool name
(10)	CHARACTER	8	SMDDSANAME	DSA name
(18)	BITSTRING	1	SMDETYPE	Element type (fixed/variable?)
(19)	CHARACTER	3	OMBETTIE	Reserved
(1C)	FULLWORD	4	SMDFLEN	Length (if fixed)
(20)	BITSTRING	1	SMDELCHN	Element chaining (yes/no?)
(21)	CHARACTER	3	0.11.5 2.201 1	Reserved
(24)	FULLWORD	4	SMDBNDRY	Boundary
(28)	BITSTRING	1	SMDLOCN	Above/below 16 meg line
(29)	BITSTRING	1	SMDACCESS	Access
(2A)	BITSTRING	1	SMDDSAINDEX	DSA index
(2A) (2B)	CHARACTER	1	SWIDDSAINDEX	Reserved
(2C)	FULLWORD	4	SMDIFREE	Initial free value
(30)	FULLWORD	4	SMDGMREQ	Number of Getmain regs
(34)	FULLWORD	4	SMDFMREQ	Number of Freemain regs
(34)	FULLWORD	4	SMDCES	Sum of all element lengths
	FULLWORD	4	SMDCES	Current page storage
(3C)				Current number of elements
(40)	FULLWORD FULLWORD	4	SMDCELEM	
(44)		4	SMDHWMPS	High Water Mark Page Storage
	.1 1 .1 1		SMDEND SMDCLEN	
			SMDCLEN	"*-SMDLEN" Length of DSECT
Equates	for testing SMDLOCN	l		
	1		SMDBELOW	"1"
	1.		SMDABOVE	"2"
Equates	for testing SMDACCE	SS.		
	1		SMDCICS	"1"
	1.		SMDUSER	"2"
	11		SMDREADONLY	"3"
Equates	for testing SMDDSAIN	NDEX.		
	1		SMDCDSA	"1"
	11		SMDSDSA	"3"
	1		SMDRDSA	"4"
	1.1		SMDECDSA	"5"
	111		SMDESDSA	"7"
	1		SMDERDSA	"8"

SMF header and SMF product section

```
CONTROL BLOCK NAME = DFHSMFDS
DESCRIPTIVE NAME = CICS SMF Header and SMF Product Section DSECT for the SMF 110 records written by Journaling,
     Monitoring, and Statistics.
FUNCTION =
     This DSECT describes the various formats of the SMF Header
     and SMF Product Section for the SMF 110 records written by CICS to SMF. These SMF records are created by Journaling, Monitoring, and Statistics and read by the CICS monitoring DFHSTUP.
LIFETIME = N/A
STORAGE CLASS = N/A
LOCATION = N/A
INNER CONTROL BLOCKS = None
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = None
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
   DATA AREAS = None
   CONTROL BLOCKS = None
   GLOBAL VARIABLES (Macro pass) = None
                                   time & user ID in SMF
```

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)			DFHSMFDS		
(0)	BITSTRING	2	SMFLEN	Record length	
(2)	BITSTRING	2	SMFSEG	Segment descriptor	
(4)	BITSTRING	1	SMFFLG	Operating system indicator	
	11		SMFESA	"X'C0" MVS/ESA fixed indicators	
(5)	BITSTRING	1	SMFRTY	Record type 110 for CICS	
(6)	BITSTRING	4	SMFTME	Time record moved	
(A)	BITSTRING	4	SMFDTE	Date record moved (0CYYDDD+)	
(E)	BITSTRING	4	SMFSID	System identification	
(12)	CHARACTER	4	SMFSSI	Sub-system identification	
(16)	BITSTRING	2	SMFSTY	Record subtype	
(- /			SMFJCSTY	"X'0000'" - X'0000' For journaling	
	1		SMFMNSTY	"X'0001'" - X'0001' For monitoring	
	1.		SMFSTSTY	"X'0002'" - X'0002' For statistics	
	11		SMFXQSTY	"X'0003" - X'0003' For TS datasharing	
	1		SMFCFSTY	"X'0004'" - X'0004' For CFDT server stats	
	1.1		SMFNCSTY	"X'0005" - X'0005' For named ctr server	
(18)	BITSTRING	2	SMFTRN	Number of triplets in record	
(1A)	BITSTRING	2	OWN TIXIV	Reserved	
(1C)	BITSTRING	4	SMFAPS	Offset to CICS product section	
(20)	BITSTRING	2	SMFLPS	Length of CICS product section	
` '		2	SMFNPS		
(22)	BITSTRING BITSTRING	4	SMFASS	Number of CICS product sections Offset to CICS data section	
(24)		-			
(28)	BITSTRING	2	SMFASL	Length of CICS data section	
(2A)	BITSTRING	2	SMFASN	Number of CICS data sections	
End of SMF-Header. Start of JC SMF Product-section.					
(2C)	BITSTRING	2	SMFPSRVN	Record version format x'0vrm' $v = version r = release m = modification$	
(2E)	CHARACTER	8	SMFPSPRN	Product name (Generic APPLID)	
(36)	CHARACTER	8	SMFPSSPN	Specific APPLID	
(3E)	BITSTRING	2	SMFPSMFL	Record maintenance indicator	
(40)	BITSTRING	2		Reserved	
			00011 014500 110 01	4500101	
SMFPSI CICS/ES	LBW and SMFPSBAL SA Version 3.x releas	apply to CICes. The JC S	SRSN, SMFPSJID, SN CS/ESA Version 4.1 ar SMF Product-section fie	nd previous	
SMFPS	JNM is applicable from	m CICS/ESA	Version 5.1.		
(42)		4	SMFPSRSN	Record-number within Journal	
(46)	BITSTRING	1	SMFPSJID	Journal identifier	
(47)		3	SMFPSBKN	Record-number within Data Set	
(4A)	BITSTRING	4	SMFPSLBW	Last-record address (Format is TTR0 under MVS)	
(4E)	ADDRESS	2	SMFPSBAL	Track balance in BYTES	
(50)	BITSTRING	38	0 02/12	Reserved	
(76)	CHARACTER	8	SMFPSJNM	Journal Name	
(76) (7E)	CHARACTER	8	SMFPSJBN	Johname	
(86)	BITSTRING	4	SMFPSRSD	Job date	
(8A)	BITSTRING	4	SMFPSRST	Job date Job time	
` '	CHARACTER	8	SMFPSUIF		
(8E)		8 8		User identification	
(96)	CHARACTER 11 111.	o	SMFPSPDN SMFJCIDA	Operating system product level	
-			SIVIFJUIDA		
	d of JC SMF Product art of MN SMF Product				

Offset	Туре	Len	Name (Dim)	Description
Hex	DITOTONIO		01451415141	
(2C)	BITSTRING	2	SMFMNRVN	Record version format $x'0vrm' v = version r = release m = modification$
(2E)	CHARACTER	8	SMFMNPRN	Product name (Generic APPLID)
(36)	CHARACTER	8	SMFMNSPN	Specific APPLID
(3E)	BITSTRING	2	SMFMNMFL	Record maintenance indicator
(40)	BITSTRING	2		Reserved
(42)	BITSTRING	2	SMFMNCL	Class of data
(44)	BITSTRING	4	SMFMNDCA	Offset to CICS field connectors
(48)	BITSTRING	2	SMFMNDCL	Length of each CICS field connector
(4A)	BITSTRING	2	SMFMNDCN	Number of CICS field connectors
(4C)	BITSTRING	4	SMFMNDRA	Offset to first CICS Data record
(50)	BITSTRING	2	SMFMNDRL	Length of each CICS Data record
(52)	BITSTRING	2	SMFMNDRN	Number of CICS Data records
(54)	BITSTRING	20		Reserved
(68)	BITSTRING	4	SMFMNTAD	Local TOD clock adjustment
(6C)	BITSTRING	8	SMFMNLSO	Leap Second Offset TOD format
(74)	BITSTRING	8	SMFMNDTO	Local Time/Date Offset
(7C)	BITSTRING	2		Reserved
(7E)	CHARACTER	8	SMFMNJBN	Jobname
(86)	BITSTRING	4	SMFMNRSD	Job date
(8A)	BITSTRING	4	SMFMNRST	Job time
(8E)	CHARACTER	8	SMFMNUIF	User identification
(96)	CHARACTER	8	SMFMNPDN	Operating system product level
	11 111.		SMFMNIDA	H±H

End of MN SMF Product-section. Start of ST SMF Product-section.

End of ST SMF Product-section.

Statistics produced by the TS datasharing server (XQ),
CFDT server (CF) and named counter server (NC) use the
same layout, but the server type (DFHXQ, DFHCF or DFHNC)
and pool name are stored instead of the APPLIDs.

and	and poor name are stored instead of the APPLIDS.					
(2C)	BITSTRING	2	SMFSTRVN	Record version format $x'0vrm'v = versionr = releasem = modification$		
(2E)	CHARACTER	8	SMFSTPRN	Product name (Generic APPLID)		
(36)	CHARACTER	8	SMFSTSPN	Specific APPLID		
(3E)	BITSTRING	2	SMFSTMFL	Record maintenance indicator		
(40)	BITSTRING	2		Reserved		
(42)	BITSTRING	2		Reserved		
(44)	BITSTRING	4	SMFSTDTK	Domain token		
(48)	CHARACTER	2	SMFSTDID	Domain ID		
(4A)	CHARACTER	3	SMFSTRQT	USS/EOD/REQ/INT/RRT Stats type		
(4D)	CHARACTER	3	SMFSTICD	YES if incomplete data recorded		
(50)	CHARACTER	8	SMFSTDAT	Collection date MMDDYYYY		
(58)	CHARACTER	6	SMFSTCLT	Collection time HHMMSS		
(5E)	CHARACTER	6	SMFSTINT	Interval HHMMSS		
(64)	BITSTRING	4	SMFSTINO	Interval NUMBER		
(68)	BITSTRING	8	SMFSTRTK	Request token		
(70)	CHARACTER	6	SMFSTLRT	Last reset time HHMMSS		
(76)	BITSTRING	8	SMFSTCST	CICS start time STCK		
(7E)	CHARACTER	8	SMFSTJBN	Jobname		
(86)	BITSTRING	4	SMFSTRSD	Job date		
(8A)	BITSTRING	4	SMFSTRST	Job time		
(8E)	CHARACTER	8	SMFSTUIF	User identification		
(96)	CHARACTER	8	SMFSTPDN	Operating system product level		
	11 111.		SMFSTIDA	H±H		

Offset

Type

SMS Pagepool storage statistics

```
CONTROL BLOCK NAME = DFHSMSDS
DESCRIPTIVE NAME = CICS Storage statistics for Pagepools and
                       subspaces.
FUNCTION = This DSECT describes the DSA statistics, Storage Manager
        state data and the subspace statistics provided by the
        Storage Manager.
        It is provided for use in users monitoring applications
       to map the statistics returned via the statistics exit or SMF.
       An instance of this data area may represent the
        statistics for any of the DSAs.
LIFETIME = This data block is created by the storage manager to
       hold pagepool statistics, state data and the subspace
        statistics. It is released when the request for
       statistics has been satisfied.
LOCATION = Caller is passed a pointer to the head of the block.

INNER CONTROL BLOCKS = None
  DEPENDENCIES = S/370
  RESTRICTIONS = none
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
   DATA AREAS = None
   CONTROL BLOCKS From storage manager domain.
   GLOBAL VARIABLES (Macro pass) = None
```

Name (Dim)

Len

Description

Hex				
(0)			DFHSMSDS	Storage statistics header
(0)	FULLWORD	4	(0)	Fullword allignment
(0)	HALFWORD	2	SMSLEN	Length of data area
	1.		SMSIDE	"2" DSA storage stats id mask
(2)	ADDRESS	2	SMSID	DSA storage stats id
. ,	1		SMSVERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	SMSDVERS	Statistics version number
(5)	CHARACTER	3		Reserved
	1		SMSHEND	"*" End of Header
	1		SMSHLEN	"*-SMSLEN" Length of Header
•	_			D 1.4
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SMSGLOBAL	
(0)	HALFWORD	2	SMSNPAGP	Number of Pagepools
(2)	BITSTRING	1	SMSSTGPROT	State of STGPROT
(3)	BITSTRING	1	SMSRENTPGM	State of RENTPGM
(4)	BITSTRING	1	SMSTRANISO	State of TRANISO
(5)	BITSTRING	3		Reserved
(8)	FULLWORD	4	SMSUSSCUR	Current number of unique subspace users
(C)	FULLWORD	4	SMSUSSCUM	Cumulative number of unique subspace users
(10)	FULLWORD	4	SMSUSSHWM	HWM of unque subspace users
(14)	FULLWORD	4	SMSCSSCUR	Current number of common subspace users
(18)	FULLWORD	4	SMSCSSCUM	Cumulative number of common subspace users
(1C)	FULLWORD	4	SMSCSSHWM	HWM of common subspace users
(20)	FULLWORD	4	SMSDSALIMIT	Current DSA limit
(24)	FULLWORD	4 4	SMSEDSALIMIT	Current EDSA limit
(28)	FULLWORD	4	SMSDSATOTAL SMSEDSATOTAL	Current DSA total Current EDSA total
(2C) (30)	FULLWORD FULLWORD	4	SMSHWMDSATOTAL	HWM DSA total
(34)	FULLWORD	4	SMSHWMEDSATOTAL	HWM EDSA total
(38)	FULLWORD	4	SWSHWWEDSATOTAL	reserved
(3C)	FULLWORD	4		reserved
(40)	FULLWORD	4		reserved
(44)	FULLWORD	4		reserved
(44)	FULLWORD	4		reserved
(4C)	FULLWORD	4		reserved
(40)	.1.1	7	SMSGEND	"*" The end.
	.1.1		SMSGLEN	"*-SMSGLOBAL" Length of global area
			C	omoczobi iz zongm or grosar aroa
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SMSBODY	Storage statistics body
(0)	CHARACTER	8	SMSDSANAME	DSA name
(8)	BITSTRING	1	SMSLOCN	Location (below/above)
(9)	BITSTRING	1	SMSACCESS	Access
(A)	BITSTRING	1	SMSDSAINDEX	DSA index
(A) (B)	CHARACTER	1	SINODOMINDEX	Reserved
(5)	J. 17 11 11 10 1 E/K			

Offset Hex	Туре	Len	Name (Dim)	Description
(C)	FULLWORD	4	SMSDSASZ	Current size of DSA
(10)	FULLWORD	4	SMSHWMDSASZ	HWM Size of DSA
(14)	FULLWORD	4	SMSCSIZE	Current cushion size
(18)	FULLWORD	4	SMSGMREQ	Number of Getmain reqs
(1C)	FULLWORD	4	SMSFMREQ	Number of Freemain reqs
(20)	FULLWORD	4	SMSASR	Number of Add-subpool reqs
(24)	FULLWORD	4	SMSDSR	Number of Del-subpool reqs
(28)	FULLWORD	4	SMSCRISS	Cond reqs returning insufficient stg
(2C)	FULLWORD	4	SMSUCSS	Uncond reqs suspended
(30)	FULLWORD	4	SMSCSS	Curr reqs susp for storage
(34)	FULLWORD	4	SMSHWMSS	HWM reqs susp for storage
(38)	FULLWORD	4	SMSPWWS	Number of tasks purged, waiting storage
(3C)	FULLWORD	4	SMSCREL	Number of cushion releases
(40)	FULLWORD	4	SMSSOS	Times SOS occurred
(44)	FULLWORD	4		reserved
(48)	DBL WORD	8	SMSTSOS	Total time SOS
(50)	FULLWORD	4	SMSCSUBP	Current Number of subpools
(54)	FULLWORD	4	SMSFSTG	Free storage (inc cushion)
(58)	FULLWORD	4	SMSHWMFSTG	HWM free storage (inc cushion)
(5C)	FULLWORD	4	SMSLWMFSTG	LWM free storage (inc cushion)
(60)	FULLWORD	4	SMSLFA	Largest free area in DSA
(64)	FULLWORD	4	SMSSV	Number of of storage violations
(68)	FULLWORD	4	SMSEXTS	Current number of extents
(6C)	FULLWORD	4	SMSEXTSA	Number of extents added
(70)	FULLWORD	4	SMSEXTSR	Number of extents released
(74)	FULLWORD	4		reserved
(78)	FULLWORD	4		reserved
(7C)	FULLWORD	4	OMODEND	reserved
	1 1		SMSBEND SMSBLEN	
Equates	for testing SMSST	GPROT.	SWISBLEIN	"*-SMSBODY" Length of Body
			SMSSTGPROTNA	"0" STGPROT not active
	1		SMSSTGPROTNA	"1" STGPROT not active
Equator	for testing SMSRE	NTDCM		1 010.1101 48810
Equales	ior testing SiviSRE	INTPGIVI.		
	• • • • • • • • • • • • • • • • • • • •		SMSRENTPGMNP	"0" RENTPGM noprotect
	1		SMSRENTPGMP	"1" RENTPGM protect
Equates	for testing SMSST	RANISO.		
	• • • • • • • • • • • • • • • • • • • •		SMSTRANISONA	"0" TRANISO not active
	1		SMSTRANISOA	"1" TRANISO active
Equates	for testing SMSLO	CN		
	1		SMSBELOW	"1"
	1.		SMSABOVE	"2"
Equates	for testing SMSAC	CESS		
	1		SMSCICS	"1"
	1.		SMSUSER	"2" "3"
	11		SMSREADONLY	" 3 "
Equates	for testing SMSDS	AINDEX		
	1		SMSCDSA	"1"
	1.		SMSUDSA	"2"
	11		SMSSDSA	"3" "4"
	1		SMSRDSA	"4" "5"
	1.1		SMSECDSA SMSEUDSA	"5"
	111		SMSEODSA	"7"
	1		SMSERDSA	"8"
	1		SIVISERUSA	U

SMT Storage subpool storage statistics

```
CONTROL BLOCK NAME = DFHSMTDS
DESCRIPTIVE NAME = CICS Storage statistics for task subpools. FUNCTION = This DSECT describes the task subpool statistics
         provided by the storage manager.
         It is provided for use in users monitoring applications
         to map the statistics returned via the statistics exit
         or SMF.
         An instance of this data area may represent the
         statistics for either the task subpools above the 16 meg
         line or those below the 16 meg line.
         There is a single instance of this data block.
LIFETIME = This data block is created by the storage manager to
        hold task subpool statistics. It is released when the
         request for statistics has been satisfied.
LOCATION = Caller is passed a pointer to the head of the block. INNER CONTROL BLOCKS = None
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
   DATA AREAS = None
   CONTROL BLOCKS From storage manager domain.
GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSMTDS	Task subpool statistics header
(0)	FULLWORD	4	(0)	Fullword allignment
(0)	HALFWORD	2	SMTLEN	Length of data area
	11.		SMTIDE	"6" Task subpool id mask
(2)	ADDRESS	2	SMTID	Task subpool stats id
	1	_	SMTVERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	SMTDVERS	Statistics version number
(5)	CHARACTER	3	OMTUEND	Reserved
	1 1		SMTHEND SMTHLEN	"* End of header
	1		SWITHLEN	"*-SMTLEN" Header length
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SMTGLOBAL	Global statistics
(0)	HALFWORD	2	SMTNTASK	No. of task subpools
(2)	HALFWORD	2		reserved
	1		SMTGEND	"*" The end
	1		SMTGLEN	"*-SMTGLOBAL" length of global area
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SMTBODY	Task subpool statistics body
(0)	CHARACTER	8	SMTDSANAME	DSA name
(8)	BITSTRING	1	SMTLOCN	Location - Above/below the line
(9)	BITSTRING	1	SMTACCESS	Access - CICS/USER
(A)	BITSTRING	1	SMTDSAINDEX	DSA index
(B)	CHARACTER	1		Reserved
(C)	FULLWORD	4	SMTGMREQ	No. Getmain reqs
(10)	FULLWORD	4	SMTFMREQ	No. Freemain reqs
(14)	FULLWORD	4	SMTCES	Sum of all element lengths
(18)	FULLWORD	4	SMTCPS	Current page storage
(1C)	FULLWORD	4	SMTCNE	Current No. elements
(20)	FULLWORD	4	SMTHWMPS	High Water Mark Page storage
	11		SMTBEND	"*" End of body
Equate	for testing SMTLOCA	TION.	SMTBLEN	"*-SMTBODY" Length of body DSECT
1,	1		SMTBELOW	141
	1.		SMTABOVE	"2"
Equates	for testing SMTACC	ESS	G7.2012	
	1		SMTCICS	"1"
	1.		SMTUSER	"2"
Equates	for testing SMTDSA	INDEX.		
	1		SMTCDSA	"1"
	1.		SMTUDSA	"2"
	1.1		SMTECDSA	"5"
	11.		SMTEUDSA	"6"

SNEX Signon extension block

CONTROL BLOCK NAME = DFHSNEXC DESCRIPTIVE NAME = CICS Sign-on Extension to the TCTTE FUNCTION =

The Signon Extension is owned by the Signon component of the AP Domain and contains information related to the Signon and Terminal Timeout processes. Each TCTTE has its own Signon Extension which is pointed to by the TCTESNEX pointer.

LIFETIME =

A SNEX is created at the same time that a TCTTE is

created when a terminal definition is installed.

STORAGE CLASS =

CICS storage, above the 16Mb line in the subpool

'SNEX'. No element chaining.

LOCATION =

A SNEX is located by using the TCTESNEX pointer in

the TCTTE.

DEPENDENCIES = S/390

MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description				
(0)	STRUCTURE	40	DFHSNEX	Start of SNEX control block				
Userid:								
SNEX	SNEX_USERID:							
		is field is used to						
		eset userid for m						
		minals only. Wh s been installed,						
		s been installed, s been signed o						
		erlaid by the prir						
			user token (null).					
	The flag SNEX PRESET USERID PRESENT							
	indicates whether this field							
	cu	rrently contains a	a userid or					
	tol	ens.						
(0)	CHARACTER	8	SNEX_USERID					
User To	kens:							
SNEX	_ PRINCIPAL_ U	JSER_TOKEN:						
			s the user token					
			ne user currently					
		igned on at this	terminal.					
SNEX	_ SESSION_ US							
		this terminal rep						
	session, this field contains the user token associated with the							
	-	serid signed on						
(0)	UNSIGNED	4	SNEX_PRINCIPAL_					
(4)	UNSIGNED	4	USER_TOKEN SNEX SESSION					
(4)	UNSIGNED	4	USER TOKEN					
			GOLIN_TORKIN					

Offset Hex	Туре	Len	Name (Dim)	Description
	nal Timeout II			
SNEX	_ TIMEOUT_	This is the time (ir	n STCK format)	
		that this terminal is		
SNEX	TIMEOUT	timeout.		
ONEX	_ 111112001_	This is the timeou	t interval for	
		the currently signe		
		value.	top word of a STCK	
	_ TIMEOUT_			
SNE	X_ TIMEOUT	 ELIGIBLE This flating is eligible for timed 	g is on only if the terminal	
		To be eligible, the	terminal must:	
		 not be defined w not have preset 		
		- be signed on	security	
		- be signed on by		
		has a non-zero - not be performin		
		routing unless u		
SNE	X_ TIMEOUT	transaction FNARI FD:		
ONE	.x_ 11111E001	When ON this flag	g indicates that the	
		terminal is in the 1 state. When OFF	TIMEOUT ENABLED	
		that the terminal is		
C1:-	·V TIME 01:-	TIMEOUT DISABI	LED state.	
SNE	:x_ IIMEOUT	_TIMEDOUT: When ON this flac	g indicates that the	
		terminal is current		
SNE	X_ SAVED_A	OUT.		
ONE	./_ O/(VLD_/	This flag is used to		
		setting of the ATI terminal while the		
		transaction is bein		
(8)	CHARACT	ER 8	SNEX_TIMEOUT_ TIME	
(8)	UNSIGNE		HIGH_WORD	
(C) (10)	UNSIGNEI UNSIGNEI		LOW_WORD SNEX_TIMEOUT_ INTERVAL	
(14)	BITSTRING	G 1	SNEX_TIMEOUT_ FLAGS	
	1	•	SNEX_TIMEOUT_ ELIGIBLE	
	.1	. •	SNEX_TIMEOUT_	
	1		ENABLED SNEX_TIMEOUT_	
		•	TIMEDOUT_	
	1	•	SNEX_SAVED_	
	111	1	ATI_STATUS *	Reserved
XRF Inf	formation			
SNEX_	XRF_FLAGS:			
SINEX	_XRF_REFLI	-CTABLE: This flag indicates v	whether the	
		terminal should hav	re its signon	
		state reflected on a system. For this flag	n ALTERNATE XRF	
		XRFSOFF SIT para	ameter must be set	
		to NOFORCE, the 2 the terminal's TYPE	XRFSIGNOFF flag in	
		must be set to NOF		
		users CICS segmen		
		show that the user is signed off after an 2		
		If any of the above	conditions are	
		false, this flag is se		
(15)	BITSTRING		SNEX_XRF_FLAGS SNEX_XRF	
	1	•	REFLECTABLE	
	.111 111	.1	*	
Userid I		NGTH This field cor	ntains the length of	
OINLY_	COLIND_ LL	the userid contained	d in SNEX_ USERID.	
		This field is only v		
		defined terminals. terminal has been		
		this field is returne		
(16)	UNSIGNE		SNEX_USERID_ LENGTH	December
(17)	CHARACT	ER 1	-	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
	ction Statistic	cs Information		
SINEX_	_TXIN_COON	Keeps tally of the n run by this user at to for the duration of to signon.	this terminal	
SNEX_	_TXN_ERRO	R_COUNT:		
		Keeps tally of the n	n session.	
(18) (1C)	FULLWO FULLWO		SNEX_TXN_COUNT SNEX_TXN_ ERROR_COUNT	
	ellaneous Fla			
SNEX_	_ PRESET_ :	SECURITY: Flag used terminal has prese	•	
		flag is also set on		
ONEV	05001011	that have a prese		
SNEX_	_ SESSION_	session has been	sed to signal that this session (link)	
		signed on.	occordin (mint)	
SNEX_	PRESET_		Flag used to indicate that a	a preset
		userid exists in the field. This is used		
		preset signon who	en the terminal is	
		installed. This is of case of macro del		
SNEX_	_SESSION_		EFAULT: Flag used to sign	nal that this
		session has b		
		(link) signed of attributes. Th	on with default is is used in	
		signoff session	on userid to	
		stop unneces processing.	sary delete user	
SNEX	_SESSION_		lag used to indicate that th	is
			valid user token in	
		The session user	DN_ USER_TOKEN field. token might be	
		null, but this can s	still be a valid	
		session user toke in the cases wher		
		to enforce a link s		
ONEV		against the defaul		
SNEX_	_ LUII_IABL	E_ UPDATED: Flag u. a signon_ attach_ h	used to indicate whether do neader the LUIT	uring
		table was updated		
		only be set on dur attach header for		
		verification FMH-5		
		terminal is attach		
		this flag should be for the next user of		
SNEX_	_ EQUIVALE	NT_ SYSTEMS: Flag	used to let DFHZNCA kno	ow that
		although this sess have the snex pre		
		on, it did however		
		session userid, bu		
		as this system's jo This is known as	equivalent systems	
		for LU6.1 and LU6		
		check is made for systems. Namely	MRO for equivalent	
		security name is t		
		jobstep userid of t		
		system. Hence thi required for MRO		
		only make the equ	uivalence check	
			e connectee's userid. FHCRNP when the	
		connection is acqu		
(20)	CHARAC		SNEX_FLAGS	
-	1	•••	SNEX_PRESET_	
	.1	• • •	SECURITY SNEX_SESSION_	
			SIGNED_ON	
	1	•••	SNEX_PRESET_ USERID_PRESENT	
	1 .		SNEX_SESSION_ SIG	GNED_
			ON_AS_DEFAULT	
	1	•••	SNEX_SESSION_ USER_TOKEN_X	
		1	SNEX_LUIT_	
		1	TABLE_UPDATED SNEX_EQUIVALENT_	
	••••	• • •	SYSTEMS	=

Offset Hex	Туре	Len	Name (Dim)	Description					
	1		*	Reserved					
(21)	CHARACTER	1	SNEX_FLAGS2						
Cons	Console support flags SNEX_ CONSOLE_ REFLECT_FIRST_USER: Set if user specified								
SNEX									
			the TERMINAL						
		n for the con							
		ne real user t							
		ninated in the on as a prese							
SNEY			USER: Set if user specified						
ONLX_			n the TERMINAL						
		n for the con							
	install a	nd on every	following						
	messag	e the user is	signed-on						
	(if it has	changed) as	s a						
	preset i	userid.							
(21)	CHARACTER	1	SNEX_CONSOLE						
	1		SNEX_CONSOLE_						
			REFLECT_ FIRST_USER						
	.1		SNEX_CONSOLE_						
			REFLECT_ EVERY_USER *						
(00)	11 1111		*	Reserved @01A					
(22)	CHARACTER	2		Reserved @01A Reserved					
(24) (28)	CHARACTER CHARACTER	4	SNEX_END	End of SNEX					
(20)	CHARACTER		SINLA_EIND	LIIU UI SINLA					

Gntran stub parameter list for cegn SNGN

DFHSNGNC Copybook

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DFHSNGN	CEGN Parameter List
(0)	CHARACTER	8	CEGN_EYECATCHER	Ensures CEGN started by CESC
(8)	CHARACTER	8	CEGN_TIMEOUT_ TIME	Timeout time in STCK format
(10)	ADDRESS	4	CEGN_TCTTE_ADDR	-> TCTTE of timed-out terminal
(14)	CHARACTER	1	CEGN_TIMEOUT_ REASON	
				Mechanism causing timeout
(15)	CHARACTER	3	*	Reserved
(18)	CHARACTER		*	End of parameter list

Constants

Len	Туре	Value	Name	Description
8	CHARACTER	>>CEGN>>	CEGN_EYECATCHER_	
			VALUE	

SNGS Goodnight transaction parameter list

DFHSNGSC Copybook

Offset	Type	Len	Name (Dim)	Description
Hex	туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DFHSNGS	GNTRAN Parameter List
(0)	CHARACTER	64	DFHSNGS FIXED	Fixed part
(0)	CHARACTER	4	GNTRAN	i ixou part
(0)	OHARAOTER	-	START_TRANSID	
			OTART_TRANSIB	Always equal to "CEGN"
(4)	CHARACTER	1	GNTRAN	Always equal to OLOIV
(4)	OHARAOTER	•	PSEUDO CONV FLAG	
			F3L0D0_CONV_I LAG	Terminal was in pseudo conversation when it was timed out: 'Y' or 'N'
(5)	CHARACTER	1	GNTRAN	Terminal was in pseudo conversation when it was timed out. To TV
(5)	OHARAOTER	•	SCREEN TRUNCATED	
			OURLEN_INGINOATED	3270 screen buffer had to be truncated:'Y' or 'N'
(6)	CHARACTER	1	GNTRAN	3270 Screen bullet had to be truncated. I of 14
(0)	OHARAOTER	•	TRANSLATE TIOA	
			TRANSEATE_TIOA	Flag to indicate that TIOA input to GNTRAN needs upper case translation.
(7)	CHARACTER	9	*	Reserved
(10)	CHARACTER	8	GNTRAN TIMEOUT TIME	110001100
(10)	OFFICE	Ü	CITTOUT_TIMECOT_TIME	Time that the terminal timed out in CICS ABSTIME format.
(18)	CHARACTER	1	GNTRAN	
(/		-	TIMEOUT REASON	
				Mechanism causing timeout: 'T' for terminal timeout or 'X' for XRF takeover timeout
(19)	CHARACTER	11	*	Reserved
(24)	CHARACTER	4	GNTRAN PSEUDO	
()			CONV TRANSID	
				Next transaction to run at this terminal had it not been timed out.
(28)	HALFWORD	2	GNTRAN	
` ′			SCREEN LENGTH	
				Length of screen buffer left by previous transaction
(2A)	HALFWORD	2	GNTRAN_	·
			CURSOR_POSITION	
				Cursor position left by previous transaction
(2C)	HALFWORD	2	GNTRAN_	
			SCREEN_WIDTH	
				Width of screen left by previous transaction
(2E)	HALFWORD	2	GNTRAN_	
			SCREEN_HEIGHT	
				Height of screen left by previous transaction
(30)	CHARACTER	16	GNTRAN_ USER_FIELD	Available to user
(40)	CHARACTER	*	DFHSNGS_VARIABLE	Variable part
(40)	CHARACTER	*	GNTRAN_	
			SCREEN_BUFFER	
				Variable length field containing the contents of the screen.

SNSTA Sign-on LUIT and SNT statistics

CONTROL BLOCK NAME = DFHSNSTA DESCRIPTIVE NAME = CICS (SIGNON) FUNCTION = This control block is used to store statistics produced by the management of the LUIT tables during SIGNONs involving LU6.2 type connections. The storage for this control block is GETMAINed in DFHTCRP. This is only one instance of this control block per CICS system, and it is updated everytime a user is added/reused or deleted from the LUIT. LIFETIME = The storage is GETMAINed during security initialisation, and it is released when CICS terminates. STORAGE CLASS = This control block is AMODE(31) RMODE(ANY) LOCATION = This control block is chained off the CSA. INNER CONTROL BLOCKS = None DEPENDENCIES = S/370 RESTRICTIONS = None
MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = None

GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	DFHSNSTA	Stats for SNT & LUIT tables
(0)	FULLWORD	4	LUIT_TOTAL_ REUSES	Total number of entries * * reused in LUIT tables
(4)	FULLWORD	4	LUIT_TOTAL_ TIMEOUTS	
				Total number of entries * * timed out in LUIT tables
(8)	FULLWORD	4	LUIT_AV_ REUSE_TIME	Average reuse time between * * entries in the LUIT table

Constants

Len	Туре	Value	Name	Description
2	DECIMAL	12	SNSTA_LENGTH	

SORDS Tcp/ip service

```
CONTROL BLOCK NAME = DFHSORDS
DESCRIPTIVE NAME = CICS TCP/IP Service (Sockets) Statistics
FUNCTION =
     This data area contains the tcp/ip service (sockets)
     statistics provided by the Sockets Domain.
     It is provided for use in users monitoring applications
     to map the statistics returned via the API or the
     statistics global user exit.
     There is a single instance of this data block.
LIFETIME =
     This data block is created by the Sockets Domain to store
     statistics to be passed to the user in response to a
     for tcp/ip service statistics. The storage is released
     when the user task is detached.
     The DSECT also maps the contents of part of the SMF buffer
     created by the statistics domain and is used in the
     statistics exit.
STORAGE CLASS =
LOCATION =
     The user is passed a pointer to the head of the storage
     block.
INNER CONTROL BLOCKS = None
NOTES:
 DEPENDENCIES = S/370
  RESTRICTIONS = None
  MODULE TYPE = Control block definition
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHSORDS IS NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSORDS	TCP/IP Service Resid stats record
(0)	HALFWORD	2	SORDS LEN	TCP/IP Service stats record length
(2)	ADDRESS	2	SORDS ID	TCP/IP service stats id
(4)	CHARACTER	1	SORDS VERS	TCP/IP Service stats version
(5)	CHARACTER	3		Reserved
(8)	CHARACTER	8	SOR SERVICE NAME	TCP/IP Service name
(10)	FULLWORD	4	SOR TRANS ATTACHED	No. of Transactions Attached
(14)	FULLWORD	4	SOR_CURRENT_ CONNS	Current number of Connections
(18)	FULLWORD	4	SOR_PEAK_CONNS	Peak number of Connections
(1C)	BITSTRING	8	SOR_OPEN_GMT	Service Open Time (GMT)
(24)	BITSTRING	8	SOR_OPEN_LOCAL	Service Open Time (Local)
(2C)	BITSTRING	8	SOR_CLOSE_GMT	Service Close Time (GMT)
(34)	BITSTRING	8	SOR_CLOSE_LOCAL	Service Close Time (Local)
(3C)	BITSTRING	2	SOR_PORT_NUMBER	TCP/IP Service Port Number
(3E)	BITSTRING	1	SOR_SSL_SUPPORT	TCP/IP Service SSL Support
(3F)	BITSTRING	1		Reserved
(40)	FULLWORD	4	SOR_BACKLOG	TCP/IP Service Backlog
(44)	FULLWORD	4	SOR_SENDS	No. of Sends (all sockets)
(48)	BITSTRING	8	SOR_BYTES_SENT	No. of Bytes Sent (all sockets)
(50)	FULLWORD	4	SOR_RECEIVES	No. of Receives (all sockets)
(54)	BITSTRING	8	SOR_BYTES_ RECEIVED	No. of Bytes Received (all sockets)
(5C)	CHARACTER	15	SOR_IP_ADDRESS	TCP/IP Service IP Address
(6B)	BITSTRING	1		Reserved
	.11. 11		SORDS_END	H★H
	.11. 11		SORDS_LENGTH	"*-SORDS_LEN" TCP/IP Service record length
Constant	s that denote a SO t	cp/ip service	e stats record	

.11. 11	SORIDR	"108" TCP/IP Service resid stats id
1	SOR_VERS	"X'01" Record version number
1	SOR_SSL_YES	"X'01'" SSL = Yes
1.	SOR_SSL_NO	"X'02'" SSL = No
11	SOR_SSL_CLI_AUTH	"X'03'" SSL = Client Authentication

SPI Task local storage definition

```
MODULE NAME = DFHDMTLS
DESCRIPTIVE NAME = CICS Resource Definition Online Task Local Storage definition.
SPI Task Local Storage definition.
IN CICS:
AMP, DMP and PUP (PPT programs). IN BATCH:
  All modules subordinate to
  and including DFHCUCP.
ADDRESSABILITY:
  BASED on TCADMTLA field in TCA.
IN BATCH:
  BASED on DMTLA, passed as a parameter to all modules subordinate to DFHCUCP.
  Size is length of structure DFHDMTLS.
OBTAINED:
IN CICS:
 by DFHDMP03 adaptor, via:
   DFHDMP router, via:
   DFHAMPFI routine, via:
   DFHAMP router.
IN BATCH:
  by DFHDMP05 adaptor, via:
   DFHCUCP.
FREED
IN CICS:
  by DFHAMPEN routine called by AMP.
IN BATCH:
 by DFHDMP05 adaptor, via:
   DFHCUCP.
```

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	296	DFHDMTLS		
A	ddress of KWA chain	. Number of	links in KWA chain.		
(0) (4)	ADDRESS FULLWORD	4 4	TLPTR1 TLLEN1		
Ir	rimary CSD control ren- n-store primary record ford.		e address. Length of ontaining duplicate		
(8) (C)	ADDRESS FULLWORD	4 4	TLPTR2 TLLEN2		
LD table address.					
(10)	ADDRESS	4	TLPTR3		
TLSYSID (Batch only): Operating System (MVS or DOS) FCxxxx (initialisation only) FCT values to be restored on CSD close.				Эхххх	
(14)	CHARACTER 111 scellaneous global fiel	4 Ids (a) for DF	TLSYSID FCADD FCUPDATE FCDELETE FHAMP (CICS) (b) for	remember fct value ditto for update and delete	
DF	HCSDUP (batch)		. , , , ,		
(18) (18) (18) (19) (1A) (1C) (20) (24)	CHARACTER ADDRESS BITSTRING 1	20 4 1	GLOBMISC AMARGANC TLCUBITS TLMSGOFF TLRDCICS TLRDTMIG TLUPGUSG TLIGNOIW TLPCURDD TLUSRDEF * TLKEYNUM AMERRANC SYSTEMER AMDISANC	AMP anchor for arg lists DFHCSDUP misc globals Flag bits Suppress msgs.from BEP Processing CICS-supplied resource definition list Processing migrated RDT Processing UPGRADE USING Ignore I and W msgs Processing CURDD/CURDN Userdefine command Reserved Reserved Current keyword number AMP anchors (Continued) Anchor for error msgs Internal msg anchor Display block anchor	
(28)	ADDRESS	4	TLARG0PT	Current argument 0 ptr	

Offset Hex	Туре	Len	Name (Dim)	Description				
lutio	a type TR tr_current_	ords the curr	ent (summary) state of					
(2C)	HALFWORD	2	TRCURSTA					
(2E)	HALFWORD	2	*	Reserved for alignment TRSTATUS is used by all the modules that implement TR.				
				TRSTATUS is used to indicate exceptional conditions as they				
(30)	CHARACTER	8	TRSTATUS	arise.				
(30)	FULLWORD	4	TRRESP	TR-global response code.				
(34)	FULLWORD	4	TRREASON	TR-global reason code.				
rep or I (CH	e following 11 variable bresent mappings from b) resource definitions HAR(20)) is dependen coded in DFHTOMAC	n names to e s. The data I nt upon the i	either a) other names ength of each					
(38)	CHARACTER	20	MMNDX	autodefine models tt_ndx : MAP OF (ttid,ttdef)				
(4C)	CHARACTER	20	TTNDX	TYPTERM names,defns. tm_ndx : MAP OF (tmid,tmdef)				
(60)	CHARACTER	20	TMNDX	CICS tmids tm_use : MAP OF (tmid,ttid)				
(74)	CHARACTER	20	TMUSE	TYPETERM references. pt_ndx : MAP OF (tmid,ptdef)				
(88)	CHARACTER	20	PTNDX	pooled TERMINALs pt_use : MAP OF(tmid,ttid)				
(9C)	CHARACTER	20	PTUSE	TYPETERM references cn_ndx : MAP OF(cnid,cndefr)				
(B0)	CHARACTER	20	CNNDX	CONNECTIONs se_ndx : MAP OF(seid,sedefr)				
(C4) (D8)	CHARACTER CHARACTER	20 20	SENDX SEUSE	SESSIONS se_use : MAP OF(seid,cnid) SESSIONS regferences				
			35035	SESSIONS regierences				
	End of DFHTOR-specific variables. AMP EXPANDIDISPLAY BROWSE SPECIFIC KEYWORDS							
			CIFIC RETWORDS					
(EC)	CHARACTER	32	*	BROWSE work area				
(EC)	BITSTRING	1	*_	Status flags				
	1		EVDANDAC	Reserved EXPAND active				
	1		EXPANDAC EXPANDNX	SET TO 1 WHEN 1ST NEXT IS OK *				
	1		DISPLYAC	DISPLAY active				
	1		*	Reserved				
	1		CREATCOM	Create command				
	1.		POOLINPR	Terminal pool in progress				
	1		CONNINPR	Connection in progress				
(ED)	BITSTRING	1	*	Reserved				
(EE)	BITSTRING	1	*	Reserved				
(EF)	BITSTRING	1	*	Reserved				
(F0)	FULLWORD	4	EXPANDTY	EXPAND type (list or group) *				
(F4)	ADDRESS	4	EXPKWA	EXPAND KWA pointer				
(F8)	CHARACTER	8	EXPNAME	Name of group or list EXPANDed				
(100) (104)	FULLWORD ADDRESS	4 4	DISPLYTY DISPKWA	DISPLAY type (list or group) * DISPLAY KWA pointer				
(104)	UNSIGNED	2	BROWSID	Last Regid used				
(108) (10A)	HALFWORD	2	*	Reserved for alignment				
	ONSE and REASON (ed via API					
(10C)	FULLWORD	4	APIRESP	API Response code				
(110)	FULLWORD	4	APIREAS	API Reason code				
(110)	UNSIGNED	2	APIREAS_HIGH	High halfword of Reason				
(112)	UNSIGNED	2	APIREAS_LOW	Low halfword of Reason				
Informa user pr		eter List pas	sed to DFHCSDUP from a					
(114)	CHARACTER	8	CSD_NAME	DD NAME OF ALTERNATIVE CSD				
			nnection being installed	DO NAMINE OF ALTERNATIVE COD				
		8	<u>-</u>	Tarminal neel in neeroon				
(11C) (11C)	CHARACTER CHARACTER	8 4	TLS_POOL_NAME TLS_CONN_NAME	Terminal pool in progress Connection in progress				
(110)	CHARACTER	4	*	End of storage				
(0)	0 to i Eit							

SRA SRB interface mapping

MODULE NAME = DFHSRADS DESCRIPTIVE NAME = CICS SRB INTERFACE MAPPING SRB INTERFACE CONTROL AREA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSRADS	
(0)	BITSTRING	1	SRAFLAGS	FLAGS FIELD
NB BIT	SRAVTAM IS REFE	RENCED BY	DFHDSSUB AND MU	JST NOT BE MOVED
	1		SRAVTAM	"X'80"" VTAM AUTH. PATH INSTALLED
NB BIT	SRAVTAM IS REFE	RENCED BY	DFHDSSUB AND MU	JST NOT BE MOVED
	.1		SRAICIP	"X'40" VSAM ICIP INSTALLED
(1)	BITSTRING	3		RESERVED
(4)	ADDRESS	4		Reserved - was SRANXHTA
(8)	DBL WORD	8	(0)	DOUBLE WORD ALIGN FOR CDS
(8)	ADDRESS	4	SRARQCHN	HEAD OF SRB REQUEST CHAIN
(C)	FULLWORD	4		COUNTER FOR CDS PAIR
(10)	ADDRESS	4	SRARQEND	LAST ITEM IN REQUEST CHAIN
(14)	ADDRESS	4	(2)	RESERVED
(1C)	ADDRESS	4	SRASRXA	ADDRESS OF SRX BLOCK
(20)	FULLWORD	4		RESERVED
CC	DUNTERS TO CONT	ROL SRB SC	HEDULING	
(24)	FULLWORD	4	SRALRQCT	OUTSTANDING LONG REQUESTS
(28)	DBL WORD	8	(0)	ALIGN ON DWORD BOUNDARY. FOLLOWING TWO FIELDS FORM A CDS PAIR
(28)	FULLWORD	4	SRASRQXS	EXCESS OF OUTSTANDING SHORT REQUESTS OVER LIMIT (SET INITIALLY TO
				-SRARQLIM)
(2C)	FULLWORD	4	SRASHORT	EXCESS OF SHORT RUN SRBS OVER LIMIT (INIT -SRASRLIM)
(30)	FULLWORD	4	SRATOTAL	TOTAL RUNNING SRB'S
(34)	FULLWORD	4	SRARQLIM	SHORT TERM REQUEST THRESHOLD
(38)	FULLWORD	4	SRASRLIM	SHORT TERM SRB THRESHOLD
	1.		SRARQLMV	"2" REQUEST COUNT THRESHOLD
	1.		SRASRLMV	"2" SHORT RUN SRB THRESHOLD
	11 11		SRAAD	"*-DFHSRADS" LENGTH OF SRA

SRB Service request block

```
START OF SPECIFICATIONS
01 PROPRIETARY STATEMENT =
      LICENSED MATERIALS - PROPERTY OF IBM
      THIS MACRO IS "RESTRICTED MATERIALS OF IBM"
01 STATUS: HBB5520
01 DESCRIPTIVE NAME: Service Request Block
02 ACRONYM: SRB
01 EXTERNAL CLASSIFICATION:
02 DMTI:BASE
02 GUPI:FIELDS
           SRBASCB
           SRBCPAFF
           SRBEP
           SRBFRRA
           SRBID
           SRBPARM
           SRBPASID
           SRBPKF
           SRBPTCB
           SRBRMTR
01 END OF EXTERNAL CLASSIFICATION:
01 MACRO NAME: IHASRB
01 DSECT NAME:
   SRBSECT
01 COMPONENT: SUPERVISOR CONTROL (SC1C5)
01 EYE-CATCHER: SRB
02 OFFSET: 0
02 | FNGTH: 4
01 STORAGE ATTRIBUTES:
02 SUBPOOL: Common, Fixed Storage
02 KEY: 0
02 RESIDENCY: ABOVE OR BELOW THE 16M LINE
01 SIZE: 44 BYTES
01 CREATED BY:
   Control program routines
01 POINTED TO BY:
   Built and initialized in user-allocated storage and
   passed as a parameter to the SCHEDULE macro.
   Pointed to by register 0 on entry to the SRB routine
   whose address is in SRBEP.
   ASCBXMPQ FIELD OF THE ASCB DATA AREA
   ASXBFSRB FIELD OF THE ASXB DATA AREA
   ASXBLSRB FIELD OF THE ASXB DATA AREA
   IOSSRB FIELD OF THE IOSB DATA AREA
   PCBSRB FIELD OF THE PCB DATA AREA
   SRBFLNK FIELD OF THE SRB DATA AREA
   SVTGSMQ FIELD OF THE SVT DATA AREA
   SVTLSMQ FIELD OF THE SVT DATA AREA
SVTSRBA FIELD OF THE SVT DATA AREA
   TQESRB FIELD OF THE TQE DATA AREA
   TVCSSRBA FIELD OF THE TVCS DATA AREA
   WEBUPTR field of the WEB data area
01 SERIALIZATION:
   Owner-serialized.
01 FUNCTION:
   Used as input to the SCHEDULE macro when scheduling a
   routine for asynchronous execution.
01 METHOD OF ACCESS =
   BAL- DSECT ALWAYS PRODUCED, PERFORM USING ON SRBSECT
   BAL LISTING - SPECIFY LIST=YES OR NO ON MACRO CALL
   {\sf PL/S} \ \hbox{-} \ {\sf SRBSECT} \ {\sf WILL} \ {\sf BE} \ {\sf BASED}({\sf SRBPTR})
    1. IF YOU WISH TO APPEND THE SRB TO THE END OF
      WHERE N IS AN INTEGER BETWEEN 2 AND 3,INCLUSIVE.
      SRBSECT WILL THEN BE AN UNBASED LEVEL N VARIABLE.
    2. IF YOU WISH TO APPEND ANOTHER CONTROL BLOCK TO THE END
      THE END OF THE SRB WILL BE REPLACED WITH A COMMA.
   EXAMPLE OF PLACING SRB BETWEEN TWO OTHER BLOCKS:
   DECLARE 1 MYBLOCK,
     2 MYFIELD.
     2 MYFIELD2
01 COMPONENT = SC1C5 (SUPERVISOR CONTROL)
01 DISTRIBUTION LIBRARY = AMACLIB
END OF SPECIFICATIONS
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SRBSECT	
(0)	ADDRESS	4	SRB (0)	
(0)	CHARACTER	4	SRBID	EBCDIC ACRONYM FOR SRB OR SSRB.
(4)	ADDRESS	4	SRBFLNK	FORWARD CHAIN FIELD

Offset Hex	Туре	Len	Name (Dim)	Description
(8)	ADDRESS	4	SRBASCB (0)	PTR TO ASCB OF ADDRESS SPACE SRB IS TO BE DISPATCHED TO
(8)	BITSTRING	1	` '	RESERVED. DO NOT USE.
(9)	ADDRESS	3	SRBASC24	24-bit ASCB address
(C)	CHARACTER	8	SRBFLC (0)	SRB AREA MOVED TO LOW CORE
(C)	BITSTRING	2	SRBCPAFF	CPU AFFINITY MASK
(E)	HALFWORD	2	SRBPASID	PURGEDQ ASID IDENTIFIER
(10)	ADDRESS	4	SRBPTCB	PURGEDQ TCB IDENTIFIER
(14)	ADDRESS	4	SRBEP (0)	ENTRY POINT OF ROUTINE
(14)	ADDRESS	4	SRBEPA	ADDRESS OF ENTRY POINT (31-BIT USERS)
	1		SRBMODE	"X'80" ADDRESSING MODE INDICATOR
(18)	ADDRESS	4	SRBRMTR (0)	ADDRESS OF RESOURCE MANAGER ROUTINE
(18)	ADDRESS	4	SRBRMTRA	ADDRESS OF RESOURCE MANAGER ROUTINE (31-BIT USERS)
. ,	1		SRBRMODE	"X'80" ADDRESSING MODE INDICATOR
(1C)	ADDRESS	4	SRBPARM	USER PARAMETER
(20)	ADDRESS	4	SRBWEB (0)	Address of this SRB's WEB. SERIALIZATION: None OWNERSHIP: Supervisor Control
(20)	ADDRESS	4	SRBSAVE	Reserved. Must be Zero. SERIALIZATION: None OWNERSHIP: Supervisor Control
(24)	BITSTRING	1	SRBPKF	PROTECT KEY INDICATION
(25)	BITSTRING	1	SRBPRIOR (0)	PRIORITY LEVEL INDIC
(25)	BITSTRING	1	SRBFLGS	SRB OPTION FLAGS
	1		SRBLLREQ	"X'80" LOCAL LOCK REQUIRED
	.1		SRBLLHLD	"X'40" LOCAL LOCK HELD
	1		SRBFRREQ	"X'20" FRR REQUESTED
	1		SRBFRRCL	"X'10" THIS BIT IS OBSOLETE SINCE FRR PARM AREA ALWAYS CLEARED BY
				DISPATCHER. RETAINED FOR COMPATIBILITY.
	1		SRBSUSP	"X'08" SUSPENDED SRB ONLY ON FOR SSRB
	1		SRBPNONQ	"X'04" NON QUIESCABLE SRB
			SRBPSYS	"X'00" SYSTEM PRIORITY LEVEL
(26)	BITSTRING	1	SRBHLHI	INDICATION OF SUSPEND LOCKS HELD AT SRB SUSPENSION
(27)	BITSTRING	1	SRBFLGS1	SRB TYPE FLAGS.
()	1	•	SRBMAIN	"X'80" SRB/SSRB MUST BE FREEMAINED.
	.1		SRBSP245	"X'40" SRB/SSRB FROM SUBPOOL 245.
	1		SRBBLK24	"X'20" SRB BELOW THE LINE
	1		SRBXESF	"X'10" Mode=primary FRR - only meaningful if SRBFRREQ is set.
	1		SRB1STS	"X'08" This SSRB represents the initial schedule of a workunit and has never been
			OKDIOIO	dispatched.
	1		SRBPMCS	"X'04" This SRB is in process-must complete mode
	1.		SRBMSCHD	"X'02" This SRB was schduled via the IEAMSCHD macro
	1			"X'01" RESERVED.
(20)		4	SRBRES7	
(28)	ADDRESS	4 4	SRBFRRA	FRR ROUTINE ADDRESS
(2C)	FULLWORD	4	SRBEND (0)	END OF SRB
	1. 11		SRBSIZE	"SRBEND-SRBSECT" SIZE OF SRB
(00)			DFHSRXDS	"SRBSECT" CICS NAME FOR SECTION
(30)	DBL WORD	8	(0)	ALIGN START OF CICS FIELDS ON DOUBLE WORD BOUNDARY
	ART OF CICS EXTE	ENSION AREA		MAYO ODD DETHIDM ADDDECO
(30)	ADDRESS		SRXRTNA	MVS SRB RETURN ADDRESS
(34)	ADDRESS	4	SRXCSAA	ADDRESS OF CICS CSA
(38)	ADDRESS	4	SRXEXLA	ADDRESS OF VTAM EXIT LIST, WHICH IS PROTECTED FOR SRB MODE USE
(3C)	ADDRESS	4	SRXKCSPA	ADDRESS OF KCSP ENTRY LIST
(40)	ADDRESS	4	SRXRSCA	ADDRESS OF OS REGISTER SAVE AREA POOL CONTROL AREA
(44)	ADDRESS ADDRESS	4 4	SRXVAA	ATTACH-SRB VALIDATION
(48)	ADDRESS		SRXVEA	ENTER-SRB VALIDATION
(4C)		4	SRXVTA	VTAM VALIDATION DATA
(50) (54)	ADDRESS	4	SRXVSA SRXPPKEY	VSAM VALIDATION DATA CICS PP STATE PROTECT KEY
(54)	BITSTRING	1		DOUBLE WORD ALIGN FOR CDS
(58)	DBL WORD	8	(0) SRXNXSVA	
(58)	ADDRESS	4	AVGANIANG	HEAD OF FREE SAVE AREA CHAIN AND COUNTER (CDS PAIR) *
(5C)	FULLWORD FULLWORD	4	QDYQA\/E /46\	SAVE AREA FOR KCSP FOR BRANCH ENTRY TO POST *
(60) (A0)	DBL WORD	8	SRXSAVE (16) (0)	ROUND UP TO DOUBLE WORD
(AU)		0	SRXAAD	"*-DFHSRXDS" LENGTH OF SRX
	1.1 1111 .1.1		SRXSBPL	"245" SUBPOOL FOR SRX (SQA)
DE	FINITIONS OF OFF	SETS IN SAV		243 SUBPOOL FOR SIXA (SQA)
		5_15 /N 5AV		
	.1 1		RSCSVCHN	"72" FREE CHAIN FIELD (HEAD OF CHAIN IS IN SRXNXSVA) *
	.1 1		RSCSVFRR	"72" FRR PARAMETER AREA ADDR WHEN SAVE AREA IN USE *
	.1.1		RSCSVLTH	"80" LENGTH OF SAVE AREA
Det	1111 11	EDD Down Ar	RSCSBPL	"252" SUBPOOL FROM WHICH SAVE AREAS ARE OBTAINED *
Det	finitions of offsets in	rkk Parm Ar		
	1		FRRPSRX	"4" SRX Address
	1		FRRPRSCS	"8" OS reg save area address
	11		FRRPRSA	"12" Reg save area used by FRR code
	1 .111		FRRPISDW	"23" SDWA indicator
	11		FRRPSDW	"X'0C" SDWA was not passed

SRED System recovery error data

CONTROL BLOCK NAME = DFHSREDS
DESCRIPTIVE NAME = CICS System Recovery Error Data
FUNCTION = Declares the SRP_ERROR_DATA structure. This
contains information about an WS abend, and is passed to global user exit XSRAB.

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	392	SRP_ERROR_DATA	SRP error data
(0)	CHARACTER	4	SRP_ERROR_TYPE	Abend type 'ASRB'
(4)	BITSTRING	2	SRP_SYS_ABCODE	System abend code
(6)	BITSTRING	2	SRP_USER_ABCODE	User abend code
(8)	CHARACTER	4	SRP_ERROR_TRANID	Transaction id
(C)	CHARACTER	8	SRP_ERROR_	
			STACK_NAME	
				Kernel stack program
(14)	CHARACTER	8	SRP_ERROR_ PPT_NAME	PPT program
(1C)	FULLWORD	4	SRP_ERROR_OFFSET	Offset in program
(20)	BITSTRING	1	SRP_ERROR_FLAGS	Flags
	1		SRP_CICS_CODE	Abend in CICS code
	.1		SRP_USER_CODE	Abend in user code
	1		SRP_PPT_ENTRY	PPT program present
	1		SRP_VALID_ OFFSET	Valid offset present
	1		SRP_VALID_ REASON	Abend reason present
	1		SRP_NOT_CICS_RB	CICS RB not in control at time of error
	11		*	Reserved
(21)	CHARACTER	4	SRP_ERROR_REASON	Abend reason code
(25)	CHARACTER	3	*	Reserved
(28)	CHARACTER	152	SRP_CICS_ ERROR_DATA	
				CICS error data
(28)	CHARACTER	8	SRP_CICS_EC_PSW	CICS EC PSW
(28)	CHARACTER	2	*	Padding
(2A)	1		SRP_CICS_ AR_MODE	AR mode?
(30)	CHARACTER	8	SRP_CICS_EC_INT	CICS interrupt data
(38)	CHARACTER	64	SRP_CICS_REGST	CICS GP regs
(78)	CHARACTER	64	SRP_CICS_ AC_REGST	CICS Access Regs
(B8)	UNSIGNED	1	SRP_CICS_ EXEC_KEY	CICS PSW key N in form X'0N'
(B9)	CHARACTER	7	*	Reserved
(C0)	CHARACTER	152	SRP_SYSTEM_	
, ,			ERROR_DATA	
				System error data
(C0)	CHARACTER	8	SRP_SYSTEM_ EC_PSW	System EC PSW
(C0)	CHARACTER	2	*	Padding
(C2)	BITSTRING	1	*	Padding
(C3)	1		SRP_SYSTEM_	· ·
			AR_MODE	
				AR mode ?
(C8)	CHARACTER	8	SRP_SYSTEM_ EC_INT	System interrupt data
(D0)	CHARACTER	64	SRP_SYSTEM_ REGST	System GP regs
(110)	CHARACTER	64	SRP_SYSTEM_ AC_REGST	,
				System Access regs
(150)	UNSIGNED	1	SRP_SYSTEM_ EXEC_KEY	•
				System PSW key N in form X'0N'
(151)	CHARACTER	7	*	Reserved
(158)	CHARACTER	32	SRP_ERROR_ FP_REGS	FP regs
(158)	CHARACTER	8	SRP_FP_REG_0	FP reg 0
(160)	CHARACTER	8	SRP FP REG 2	FP reg 2
(168)	CHARACTER	8	SRP_FP_REG_4	FP reg 4
(170)	CHARACTER	8	SRP_FP_REG_6	FP reg 6
(178)	CHARACTER	16	SRP_ERROR_	· ·
` ,			SUBSPACE_INFO	
(178)	CHARACTER	4	SRP_ALET	ALET
(17C)	CHARACTER	8	SRP_SUBSPACE_ TOKEN	
()		_	5.11 _555-51.15 15111	Subspace token
(184)	BITSTRING	1	SRP_SUBSPACE_ FLAGS	Capapaca tonon
(.5.)	1	•	SRP_SUBSPACE_	
			ACTIVE	
			· · - · · · -	Subspace/basespace
	.111 1111		*	Reserved
(185)	CHARACTER	3	*	Reserved
(. 50)		•		

SRT System recovery table

CONTROL BLOCK NAME = DFHSRTDS
DESCRIPTIVE NAME = CICS System Recovery Table.
FUNCTION =

The System Recovery Table contains a list of System Abend codes that are intercepted by the Recovery program (DFHSRP). The user has the option of modifying the Table to meet his special requirements by use of the DFHSRT macros. The Table is loaded at CICS/MVS initialization.

 Offset Hex Hex
 Type
 Len
 Name (Dim)
 Description

 (0)
 0
 DFHSRTDS
 SYSTEM RECOVERY TABLE DSECT

 (0)
 CHARACTER
 4
 SRTABCID
 ABEND CODE IDENTIFICATION

 ...
 .1..
 SRTED
 "(*-DFHSRTDS)" ENDING DISPLACEMENT

SSA Static storage area address list

MACRO NAME = DFHSSAD DESCRIPTIVE NAME = CICS STATIC STORAGE AREA ADDRESS LIST FUNCTION = DFHSSAD GENERATES THE DSECT THAT IS USED BY CICS/ESA TO REFERENCE THE LIST OF STATIC STORAGE AREA ADDRESSES. DEPENDENCIES = S/370 RESTRICTIONS = NONE REGISTER CONVENTIONS = NOT APPLICABLE PATCH LABEL = NOT APPLICABLE MODULE TYPE = MACRO MODULE SIZE = NOT APPLICABLE ATTRIBUTES = NOT APPLICABLE MACRO NAME = DFHSSAD DESCRIPTIVE NAME = STATIC STORAGE AREA ADDRESS LIST DSECT NAME: DFHSSADS FUNCTION = The Static Storage Area Address List is a list of addresses of the static storage areas used by various CICS modules. CSASSA in the CSA Optional Features List (CSAOPFL) addresses

the SSA address list.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSSADS	STATIC STORAGE AREA ADDRESS LIST
(0)	ADDRESS	4	SSACPI	CPI static storage address
(4)	ADDRESS	4	SSAAITM	AITM static storage address
(8)	ADDRESS	4	SSAPRM	Partner Manager static storage address
(C)	ADDRESS	4	00/11/1111	Reserved
(10)	ADDRESS	4	SSADLI	DLP PARAMETER AREA & DEHDLI STORAGE ADDRESS
(14)	ADDRESS	4	SSATMP	TABLE MANAGER STATIC STORAGE AREA ADDRESS
(18)	BITSTRING	1	SSAPCFLG	DFHPCPC2 static storage flag
(/	1		PCSCOBGM	"X'80" Cobol getmain in progress
(19)	BITSTRING	3		Reserved
(1C)	ADDRESS	4	SSACRL	anchor block for DFHCRL (only used during emergency restart)
(20)	ADDRESS	4	SSATSP	TEMPORARY STORAGE STATIC STORAGE AREA ADDRESS (VSAM ACB)
(24)	ADDRESS	4	SSAAPRD	APRD address of RDAB
(28)	ADDRESS	4	SSAKCP	Transaction Manager static storage addr
(2C)	ADDRESS	4	SSASKM	SUBTASK MANAGER STATIC STORAGE ADDR
(30)	ADDRESS	4	SSASZ	Front-End Programming Interface Static
(34)	ADDRESS	4	SSADB2	CICS/DB2 static storage
(38)	ADDRESS	4	SSARCP	RECOVERY CONTROL STATIC STORAGE ADDR
(3C)	ADDRESS	4		Reserved
(40)	ADDRESS	4	SSAXRF	XRF static storage area addr
(44)	ADDRESS	4	SSAXRP	XRP static storage area addr (storage allocated by XRA)
(48)	ADDRESS	4		Reserved
(4C)	ADDRESS	4	SSAICP	ICP static storage area addr
(50)	ADDRESS	4	SSAAPDM	DFHAPDM's static storage area addr
(54)	FULLWORD	4	SSASTOP	END STOPPER
	.1.1 1		SSALEN	"*-DFHSSADS" LENGTH OF STATIC AREA ADDRESS LIST

Statistics domain statistics STG

CONTROL BLOCK NAME = DFHSTGDS DESCRIPTIVE NAME = CICS Statistics domain statistics FUNCTION = This DSECT describes the statistics maintained by the statistics domain on its own operation. This control block belongs to the Statistics Domain. There is a single instance of the control block which is copied to SMF at each statistics interval. LIFETIME = This control block is created when the Statistics Domain is initialized and is destroyed when the domain is shut down. STORAGE CLASS = LOCATION = This control block is part of the Statistics domain anchor block.

INNER CONTROL BLOCKS = None NOTES: DEPENDENCIES = S/370 RESTRICTIONS = none MODULE TYPE = Control block definition EXTERNAL REFERENCES = none DATA AREAS = none CONTROL BLOCKS = none GLOBAL VARIABLES (Macro pass) = none

cs
sk
nber mask
ats
st

Statistics record identifiers STI

```
CONTROL BLOCK NAME = DFHSTIDS
DESCRIPTIVE NAME = CICS Statistics Record Identifiers.
FUNCTION = This copybook contains the common 5 byte header for statistics records and a list ( as equates ) of all the
     valid statistics record ids.
     This copybook is provided for use by both CICS and user
     transactions to identify the source of a statistics record
appearing at the Stats Exit, the SMF dataset or the EXEC API.

LIFETIME = There is no storage dedicated to this copybook
STORAGE CLASS = n/a
LOCATION = n/a
INNER CONTROL BLOCKS = None
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
   DATA AREAS = None
   CONTROL BLOCKS = None
   GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHSTIDS	Stats record header
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	STILEN	Length of the record
(2)	ADDRESS	2	STID	Stats id
(4)	CHARACTER	1	STIVERS	Stats record version
	1.		STISMDSA	"2" Storage manager DSA id
	1.1		STISMD	"5" Storage mgr domain subpool id
	11.		STISMT	"6" Storage manager task subpool id
	1.1.		STIXMG	"10" Transaction manager (Globals) id
	1.11		STIXMR	"11" Transaction manager (Trans) id
	11		STIXMC	"12" Transaction manager (Tclass) id
	1		STIFEPIP	"16" FEPI pool id
	11		STIFEPIC	"17" FEPI connection id
	11.		STIFEPIT	"18" FEPI target id
	1 .1.1		STIVT	"21" VTAM stats id
	1 .111		STIPAUTO	"23" Program Autoinstall id
	1 1		STIAUTO	"24" Terminal Autoinstall stats id
	1 11		STILDR	"25" Loader (Resid) id
	1 11		STIDBUSS	"28" DBCTL USS id
	1 111.		STILDG	"30" Loader (Globals) id
	11.		STITCR	"34" Terminal control (Resid) id
	1111		STILSRR	"39" LSRPOOL pool stats (resid) id
	1. 1		STILSRFR	"40" LSRPOOL File stats (by file) id
	1. 1.1.		STITDQR	"42" TDQUEUE (Resid) id
	1. 11.1		STITDQG	"45" TDQUEUE (Globals) id
	11		STITSQ	"48" TSQUEUE stats id
	11 .1		STICONSR	"52" ISC/IRC system entry (resid) id
	11 .11.		STICONSS	"54" ISC connection - System Security
	11 .111		STIDS	"55" Dispatcher stats id
	11 11.1		STIUSG	"61" User Domain stats id
	11 1111		STITM	"63" Table manager stats id
	.11.		STIST	"66" Stats stats id
	.111		STIFCR	"67" File Control (Resid) id
	.1 11		STICONMR	"76" ISC/IRC mode entry (resid) id
	.1.11		STIM	"81" Monitoring stats (Global) id
	.1.11.		STIMNR	"82" Monitoring stats (Resid) id
	.1.1 .1.1		STITDR	"85" Transaction dump (Resid) id
	.1.1 .111		STITDG	"87" Transaction dump (Global) id
	.1.1 1		STISDR	"88" System dump (Resid) id
	.1.1 1.1.		STISDG	"90" System dump (Global) id
	.1.1 11.1		STILGR	"93" Logger stats (Resource) id
	.1.1 111.		STILGS	"94" Logstream stats (Resource) id
	.111		STINQG	"97" ENQ Manager stats (Global) id
	.1111		STIRMG	"99" Recovery Mgr stats (Global) id
	.1111.		STID2G	"102" DB2 Connection stats (Global) id
	.11111		STID2R	"103" DB2 Entry stats (Resource) id
	.11. 11		STISOR	"108" TCPIP Services (Resource) id
	1.1		STIEND	"*"
	1.1		STICLEN	"*-STILEN" Length of DSECT
			OHOLLIN	CHEEN Length of DOLOT

TACB Transaction abend control block

CONTROL BLOCK NAME = DFHTACBS
DESCRIPTIVE NAME = CICS Transaction Abend Control Block
FUNCTION =

A Transaction Abend Control Block is built, usually by DFHPCP, when abend processing is performed. It contains details of the abend, such as the abend code. The address of the latest TACB for a task is in TCAPCACB in the TCA. If multiple abends occur, one TACB per abend is built. TACBs are chained together using ABNDNXT in the TACB. Note that for ASRA, ASRB, ASRD and AICA abends the TACB is built by DFHSRP, so we can capture (1) the PSW and registers at the time of the program check, MVS abend or runaway, and (2) the diagnostics provided by DFHSRP such as storage hit by 0C4, and offset of program check or MVS abend in program. Note that abends in a remote DPL server program are re-issued with the same abend code on the local system. The PSW and registers are not valid for such re-issued abends, and the TACB contains a REMOTE eyecatcher to indicate this. The TACB for such abends is built by DFHEPC.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	277	DFHABND	Transaction Abend Control Block
(0)	CHARACTER	8	*	Eyecatcher information
(0)	HALFWORD	2	ABNDSAAC	- Length of dsect.
(2)	CHARACTER	1	ABNDSAAS	- Arrow(>)
(3)	CHARACTER	5	ABNDSAAL	- DSECT name ('TACB ')
(8)	ADDRESS	4	ABNDNXT	A(NEXT TACB) OR 0
(C)	HALFWORD	2	*	RESERVED
(E)	CHARACTER	2	ABNDFLGS	
(E)	CHARACTER	1	ABNDFLG1	- VALID FIELDS
	1		ABNDREQI	- REQUEST ID
	.1		ABNDNXTI	- NEXT TACB
	1		ABNDRSRI	- FAILING RESOURCE
	1		ABNDPRGI	- FAILING PROGRAM
	1		ABNDREGI	- ABEND REGISTERS
	1		ABNDSNSI	- SENSE BYTES
	1.		ABNDMSGI	- A(MESSAGE)
(5)	1		ABNDSYSI	- SYSID
(F)	CHARACTER	1	ABNDFLG2	- VALID FIELDS
	1 .1		ABNDRABD	- LOWER LEVEL ABEND
	1		ABNDCDE ABNDOCDE	- ABEND CODE SET - OP SYS AB CODE SET
	1		ABNDREMT	- OF STS AB CODE SET - RE-ISSUING AN ABEND THAT ORIGINATED IN DPL SERVER PROGRAM
	1		ABNDIGNORE	- RE-1030TING AN ABEND THAT ORIGINATED IN DEL SERVER PROGRAM
	1		ABNDSTART	
	1.		ABNDDMP	- ABEND RECORD COMPLETE, START_ABEND ISSUED
	1		ABNDEDTB	- DUMP REQUESTED - DTB ABEND
(10)	CHARACTER	8	ABNDNAME	'DFHTACB' EYECATCHER
(18)	CHARACTER	4	ABNDSTAT	STATUS FLAGS
(18)	BITSTRING	1	ABNDSYAB	- CONTENTS OF TCASYABI
(19)	BITSTRING	2	ABNDPCTR	- CONTENTS OF TCASTABLE - CONTENTS OF TCASTABLE
(13) (1B)	BITSTRING	1	ABNDCAXI	- CONTENTS OF TCAPCAXI
(1C)	CHARACTER	4	ABNDCODE	ABEND CODE
(20)	CHARACTER	8	ABNDPRG	FAILING PROGRAM
(20)	CHARACTER	8	ABNDPGM	- ALIAS
(28)	CHARACTER	4	ABNDREQ	REQUEST ID
(2C)	CHARACTER	8	ABNDRSRC	FAILING RESOURCE
(34)	CHARACTER	4	ABNDSYST	IF ABNDREMT IS SET, THIS FIELD CONTAINS THE SYSID OF THE SYSTEM FROM
` ′				WHICH THE DPL SERVER ABEND WAS RECEIVED
(38)	ADDRESS	4	ABNDSETX	SETXIT FLAGS/ADDRESS
(3C)	CHARACTER	4	ABNDSENS	SENSE BYTES
(3C)	BITSTRING	1	ABNDSSN1	- SYSTEM SENSE 1
(3D)	BITSTRING	1	ABNDSSN2	- SYSTEM SENSE 2
(3E)	BITSTRING	1	ABNDUSN1	- USER SENSE 1
(3F)	BITSTRING	1	ABNDUSN2	- USER SENSE 2
(40)	CHARACTER	6	*	ERROR MESSAGE DATA
(40)	ADDRESS	4	ABNDAMSG	- A(ERROR MESSAGE)
(44)	HALFWORD	2	ABNDMLEN	- L(ERROR MESSAGE)
(46)	CHARACTER	2	*	EXTRA ASRA/ASRB INFO
(46)	UNSIGNED	1	ABNDKEY	 EXECUTION KEY N AT ABEND, HELD IN FORM X'N0'. (ASRA AND ASRB)
(47)	UNSIGNED	1	ABNDSTG	- STORAGE TYPE HIT BY 0C4. (ASRA ONLY)
(48)	CHARACTER	4	ABNDOCOD	OP SYS ABEND CODE
(4C)	FULLWORD	4	ABNDOFF	OFFSET OF ERROR IN FAILING PROGRAM. 'FFFFFFF' MEANS ERROR OCCURRED OUTSIDE PROG. (ASRA, ASRB, ASRD)
(50)	CHARACTER	88	*	
(50)	CHARACTER	8	ABNDPSNM	'REGS&PSW' EYECATCHER
(58)	CHARACTER	64	ABNDGPRS	GP REGISTERS 0 - 15 ON ENTRY TO ABEND
(58)	CHARACTER	64	ABNDREGS	
(58)	FULLWORD	4	ABNDREGX (0 15)	

Offset	Type	Len	Name (Dim)	Description
Hex				
(98)	CHARACTER	8	ABNDPSW	EC MODE PSW ON ENTRY TO ABEND (ASRA, ASRB, ASRD, AICA)
(A0)	CHARACTER	8	ABNDINT	ADDITIONAL EC MODE INFO (ASRA, ASRB, ASRD, AICA)
(A8)	CHARACTER	32	ABNDFPRS	FP REGISTERS 0,2,4,6 (ASRA, ASRB, ASRD, AICA)
(A8)	CHARACTER	8	ABNDFPR0	- FP REGISTER 0
(B0)	CHARACTER	8	ABNDFPR2	- FP REGISTER 2
(B8)	CHARACTER	8	ABNDFPR4	- FP REGISTER 4
(C0)	CHARACTER	8	ABNDFPR6	- FP REGISTER 6
(C8)	CHARACTER	64	ABNDACRS	Access registers
(C8)	FULLWORD	4	ABNDACREGS (0 15)	
(108)	CHARACTER	4	ABNDALET	ALET at time of abend
(10C)	CHARACTER	8	ABNDSTOKEN	STOKEN at time of abend *
(114)	CHARACTER	1	ABNDSPACE	space (basespace/subspace * at time of abend as passed on ABAB interface
(115)	CHARACTER		ABNDMSGT	MESSAGE TEXT (IF ANY)

Constants

Len	Type	Value	Name	Description	
1	DECIMAL	0	ABNDNOHIT	No hit or not 0C4	
1	DECIMAL	1	ABNDCDSA	CDSA hit	
1	DECIMAL	2	ABNDECDSA	ECDSA hit	
1	DECIMAL	3	ABNDERDSA	ERDSA hit	
1	DECIMAL	4	ABNDRDSA	RDSA hit	
1	DECIMAL	5	ABNDEUDSA	EUDSA hit	
1	DECIMAL	6	ABNDUDSA	UDSA hit	
	ABNDKEY values				
1	DECIMAL	144	ABNDUSERKEY	USER key x'90'	
1	DECIMAL	128	ABNDCICSKEY	CICS key x'80'	

Terminal abnormal condition line entry **TACLE**

CONTROL BLOCK NAME = DFHTCTLE DESCRIPTIVE NAME = CICS Terminal Abnormal Condition Line Entry FUNCTION =

Terminal Control Table Line Entry Prefix.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTCTLE	DUMMY SECTION - LINE PREFIX
(0)	FULLWORD	4	TCTLEPSA	Storage accounting area
(4)	FULLWORD	4	TCTLEPCH	Error chain pointer
	TERMINAL ERF	ROR CODES	6	
(8)	CHARACTER	1	TCTLEPFL	Error flags
	1		TCECTIO	"X'01" Terminal I/O error code
	1 1		TCEMCMTL	"X'81" Message too long error code
	11		TCEMCTCT	"X'84" TCT search error code
	11.1		TCEMCROT	"X'85" Output rejected - read only
	1111		TCEMCUI	"X'87" Unsolicited input on control UN
	1 1		TCEMCIER	"X'88" Input event rejected error code
	1 11		TCEMCOER	"X'8C" Output event rejected code
	1 11.1		TCEMCOLZ	"X'8D" Output length of zero error
	1 111.		TCEMCNOA	"X'8E" No output area error code
	1 1111		TCEMCOAE	"X'8F" Output area exceeded error code
	11 .1		TCEMCUC	"X'94" Unit check
	11 .1.1		TCEMCUCS	"X'95" Unit check - should not occur
	11 .11.		TCEMCUE	"X'96" Unit exception
	11 .111		TCEMCUES	"X'97" Unit exception should not occur
	11 11		TCEMCUDT	"X'99" Undetermined unit error
	11 1111		TCEMIDR	"X'9F'" Invalid DEST TCAM return
(9)	CHARACTER	1	TCTLEPF2	Flags 2
	1		TCEIDTD	"X'01" Dummy term displacement indicator
	1.		TCEIRE	"X'02" Repeating error indicator
	1		TACCUER	"X'04" Control unit error flag
	1		TACNPRO	"X'08" Non-process error flag
	1		TCTECHLE	"X'10" Error chain last entry flag
	1		TACNTEP	"X'20" Last TEP call indicator
(A)	HALFWORD	2		Reserved
(C)	FULLWORD	4	TCTLEPTE	Terminal entry address
. ,	1		TCTLEPRE	"*-DFHTCTLE" Prefix length

TCAICTR

TCA Task control area

CONTROL BLOCK NAME = DFHTCAPS DESCRIPTIVE NAME = CICS TASK CONTROL AREA
FUNCTION = The DFHTCAPS copybook declares the structure for the TASK CONTROL AREA (TCA). The TCA is the primary control block used by CICS to represent a transaction within AP domain. The TCA is a single area of storage described by structure DFHUSTCA. However, it is also possible to access the TCA as two separate structures, DFHUSTCA (User area) and DFHTCADY (System area). Field TCASYAA in DFHUSTCA contains the address of DFHTCADY, for this purpose. When reading code that deals with TCA fields, it is important to know which method of access is used. NOTES: DEPENDENCIES = S/370 RESTRICTIONS = NONE REGISTER CONVENTIONS = NOT APPLICABLE PATCH LABEL = NOT APPLICABLE MODULE TYPE = COPY MODULE SIZE = NOT APPLICABLE ATTRIBUTES = NOT APPLICABLE : and REMOVE TCAASRD PRODUCT-SENSITIVE PROGRAMMING INTERFACE The following field forms part of the Product-Sensitive Programming Interface:

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	776	DFHUSTCA	
	TASK CON	ITROL AREA		
(0)	ADDRESS	4	TCASYAA	T C A SYSTEM AREA ADDRESS
(4)	BITSTRING	1	TCAXMSRF	XM secondary request flags *
	1		TCAENQ31	1 - ENQ arg is above the line * 0 - ENQ arg is below the line
	.1		TCAENQTA	1 - MAXLIFETIME=TASK 0 - MAXLIFETIME=LUW
(5)	UNSIGNED	1	TCATCQL4	ENQ arg len (31 bit args)
(5)	UNSIGNED	1	TCATCQLN	ENQ arg len (24 bit args)
(6)	UNSIGNED	1	TCAGFLG1	TCA general flag1
	1		TCAACPAC	DFHACP active for WEB
	.111 1111		*	Reserved
(7)	BITSTRING	1	TCAFCI	facility control indicator *
	111		*	Reserved
	1		TCAFCAID	AID FACILITY MASK.
	1		TCAFCDCM	DESTINATION CONTROL TABLE
	1		TCAFCICM	NON-TERMINAL FACILITY MASK *
	1.		TCAFCMCM	K C P MACRO FILE MASK
	1		TCAFCTRM	TERMINAL FACILITY MASK
(8)	ADDRESS	4	TCAFCAAA	FACILITY CONTROL AREA ADDRESS, CONTENTS RELATED TO THE SYSTEM OR
				TASK-DEPENDENT FACILITY ASSOCIATED WITH THE TASK
(8)	ADDRESS	4	TCAFCPTR	facility control area address *
(C)	ADDRESS	4	TCACSOAD	A(CSA OPTIONAL FEATURES LIST)
(10)	ADDRESS	4	TCALCDSA	A(CURRENT KERNEL STACK ENTRY)
	TASK CONTR	OL SECTION	I	
(14)	CHARACTER		TCAKCPBA	
(14)	CHARACTER	4	TCATCTFA	TCTTE ADDRESS,DCI=TERMINAL
(14)	CHARACTER	4	TCATCEA	TASK CONTROL EVENT CONTROL BLOCK ADDRESS
(14)	ADDRESS	4	TCATCQA4	ENQ arg addr (31 bit)
(14)	ADDRESS	4	TCATCQA	ENQ arg addr (24 bit)
(18)	CHARACTER	1	TCATCEI	TASK CONTROL EVENT CONTROL INDICATOR
(18)	BITSTRING	1	TCATCDC	TASK CONTROL DISPATCH CONTROL INDICATOR MASK MASK ABEND REQUESTED
(19)	BITSTRING	1	TCATCTR	TASK CONTROL TYPE OF REQUEST
	1		*	TASK TERMINATION MASK
	.1		*	TASK WAIT MASK
	1		*	Reserved
	1		TCATOM	Attach request
	1		*	Reserved
	1		*	Reserved
	1.		*	Reserved
	1		*	Reserved
(1A)	CHARACTER	1	*	Reserved
(1B)	CHARACTER	1	TCAPCABR	PROGRAM CONTROL TASK ABEND REQUEST
(1B)	BITSTRING	1	TCAPCDMP	PROGRAM CONTROL TASK DUMPED INDICATOR
(1C)	BITSTRING	1	TCATCCFG	TERMINAL CONTROL COMPATABILITY CONTROL COMPATIBILITY FLAGS AND OTHER USES
(1C)	BITSTRING	1	TCAPURGI	TASK PURGE INDICATOR
\ -/	1		*	Reserved (was TCATPURG)
	.1		TCASPURG	system purgeable mask

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCACTIND	
	1		TCACTFBF	FULL BUFFER FLAG
	1		TCAENQRR TCAJOURN	RESUME required (see ENQ code) *
	1.		*	Journalling in control Reserved (was TCASTGFZ)
	1		TCACTCMT	COMPATIBLE MODE TASK MASK INDICATOR
(1D)	CHARACTER	2	*	reserved
(1F)	BITSTRING	1	TCASYABI	SYSTEM ABEND REQUEST INDICATOR
	1		TCAABIPM	ABEND IN PROGRESS MASK used during task termination
	.1		TCAABREC TCAABDPM	ABEND RECOVERY IN PROGRESS * used to detect looping abends ABEND DUMP IN PROGRESS MASK
	1		TCAABRAM	RECURSIVE ABEND MASK
	1		*	Reserved
	1		*	Reserved
	1.		TCAA0C4	HANDLING 0C4 ABEND
	1			Reserved
	Miscellaneous		*	
(20) (20)	CHARACTER CHARACTER	4	*	Reserved
(24)	CHARACTER	4	TCATXNO	XM supplied txn number
(28)	CHARACTER	12	*	reserved
(34)	FULLWORD	4	TCARTNSV	INTERNAL RETURN REGISTER SAVE AREA
(38)	CHARACTER		TCAKCPFA	FINAL ADDRESS OF KCP AREA.
	STORAGE CONTRO	L SECTION		
	ROL BLOCK NAME =			
DESC			JSER OVERLAY OF THE DE	
(38)	ADDRESS	4	TCASCSA	ADDRESS OF STORAGE AFTER IT HAS BEEN OBTAINED BY STORAGE CONTROL AND
(20)	BITSTRING	1	TCASCTR	INITIALIZED TO REQUESTED CONFIGURATION STORAGE CONTROL TYPE OF REQUEST
(3C)	1	'	TCASCGET	Getmain request
	.1		TCASCFRE	Freemain request
	1		TCASCREL	RELEASE=ALL
	1 1		*	Reserved
	1		TCASCUSR *	User storage freemain
(3D)	CHARACTER	1	TCASCIB	Reserved VALUE TO WHICH STORAGE IS TO BE INITIALIZED: ZERO, BLANKS, ETC.
(3E)	UNSIGNED	2	TCASCIB	16-BIT UNSIGNED BINARY INTEGER REPRESENTING NUMBER OF BYTES REQUESTED
(-)				FOR NON-PROGRAM STORAGE OR NUMBER OF DOUBLEWORDS REQUESTED FOR PROGRAM STORAGE.
	REGISTER S	TORAGE		
(40)	ADDRESS	4	TCASCRS (8)	STORAGE CONTROL REGISTER STORAGE AREA: STORES REGISTERS 14 - 5
	COMMON	CONTROL		
(60)	FULLWORD	4	TCACCCA (9)	common control communication area used by some AP Domain modules as a parameter area
(00)	. 022.70.13	•	. 6, 10 0 0, 1 (0)	*
(84)	FULLWORD	4	TCACCRS (14)	common control register save area used by some AP Domain modules.
(BC)	HALFWORD	2	TCACCSV1	SAVE AREA FOR BYTES OVERLAID BY DFHDC
(BE) (C0)	HALFWORD FULLWORD	2 4	TCACCSV2	Reserved SAVE AREA FOR BYTES OVERLAID BY DUMP CODE
(C4)	CHARACTER	7	TCACCEA	COMMON CONTROL ENDING ADDRESS
(-)	TRACE			
	ROL BLOCK NAME = RIPTIVE NAME = CIO		R JSER OVERLAY OF THE DF	FHTCA
(C4)	CHARACTER	8	TCATRF	Data area 1 and 2
(C4)	FULLWORD	4	TCATRF1	TRACE ENTRY DATA AREA 1
(C8)	FULLWORD	4	TCATRF2	TRACE ENTRY DATA AREA 2
(CC)	BITSTRING	1	TCATRTR	TYPE OF TRACE REQUEST
	11 1		TCATRET TCATRSM	Entry type '00' Make trace entry '01' Turn trace off '10' Turn trace on '11' Extended interface System macro request
	1		*	Reserved
	1111		TCATRST	Request sub-type X'F' Reserved X'E' Reserved X'D' Trace on/off X'C' Reserved X'B' Reserved
				X'A' Reserved X'9' Reserved
	1		*	X'8' PP entry X'7' Reserved X'6' Reserved X'5' LIFO exit trace
	1 1.		TCATRSYS TCATRUSE	X'4' System trace X'3' LIFO enter trace X'2' User trace
	1		*	X'1' Reserved X'0' Reserved
(CD)	BITSTRING	1	TCATRID	TRACE ENTRY IDENTIFICATION
(CE)	BITSTRING	1	TCATRMF	TCA TRACE CONTROL
	1		TCATRSI	User trace for single task
(CE)	.111 1111 BITSTRING	1	TCATRID4	Reserved TRACE ENTRY I.D.EXTENSION
(CF) (D0)	ADDRESS	4	TCATRID1 TCAEISTG	COMMAND LEVEL ASSEMBLER EXEC STORAGE
(D4)	ADDRESS	4	TCAJCAAD	JOURNAL CONTROL AREA (JCA) ADDRESS
(D8)	FULLWORD	4	TCAATAC	ABNORMAL TERMINATION ABEND CODE
(DC)	ADDRESS	4	TCACSAAD	CSA address
(E0)	CHARACTER	12 4	· TCATWAAD	Reserved
(EC) (F0)	ADDRESS FULLWORD	4	TCATWAAD TCATWALN	Address of TWA in User storage * Length of TWA
(F4)	ADDRESS	4	TCAPCMEA	XPCTA, XPCHAIR, XPCFTCH modified address
	ADDITEOU			
(F8)	BITSTRING	1	TCAPCRFL	XPCTA retry execution key

Offset	Туре	Len	Name (Dim)	Description
Hex (F9)	BITSTRING	1	TCAPCSTG	Storage hit by ASRA 0C4
(FA)	BITSTRING	1	TCAPCARO	XSRAB abend recovery option
(FB)	CHARACTER	1	*	Reserved
(FC) (100)	ADDRESS CHARACTER	4	TCAPRUWA *	APLI ruwa pool End of User area
(100)	CHARACTER		DFHTCADY	Elid of Oser area
-	SYSTEM AREA			
(100)	CHARACTER		DFHSYTCA	
(100)	CHARACTER	8	*	Reserved
(108)	ADDRESS	4	*	Reserved
(10C)	ADDRESS	4	*	Reserved
	TASK CONTROL	SECTION		
	ROL BLOCK NAME = E		stem overlay of the DFHTCA	
(110)	CHARACTER	4	TCATXNUM	TXN MGR transaction num
(110)	BITSTRING	1	*	X'00'
(111)	CHARACTER	3	TCAKCTTA	TASK IDENTIFICATION NUM
(114) (11C)	CHARACTER ADDRESS	8 4	TCASPOOL TCATCPC	TCA subpool id PROGRAM CONTROL TABLE ENTRY ADDRESS
(120)	ADDRESS	4	TCADCAA	TQE address
(120)	ADDRESS	4	TCATQEA	TQE ADDRESS
(124)	CHARACTER	4	*	Reserved
(128) (12C)	ADDRESS ADDRESS	4 4	TCARSTSK TCADWLBA	RESUME TASK'S T C A ADDRESS DEFERRED WORK LIST BEGIN ADDRESS
	ITERVAL CONTROL S		TONEVEEN	BELLINES WORK LIGHT BEGIN ABBRECO
	TERVAL CONTROL 3	LOTION		
	ROL BLOCK NAME = E RIPTIVE NAME = CICS INTERVAL CONTI	DFHIC Sy	stem Overlay of the DFHTCA	
(130)	ADDRESS	4	TCAICEAD	INTERVAL CONTROL ELEMENT ADDRESS
(134)	ADDRESS	4	*	Reserved
PF	ROGRAM CONTROL S	ECTION		
	ROL BLOCK NAME = D		ed by PROGRAM CONTROL	
(138)	ADDRESS	4	TCAPCSA	Head of chain of PESAs used to stack ap info over a link
(13C)	CHARACTER	12	TCAPCTWA	PROGRAM CONTROL WORK AREA
(13C) (140)	ADDRESS ADDRESS	4 4	* TCAPCHS	Reserved HIGH-LEVEL-LANGUAGE SAVE AREA ADDRESS
(140)				THISTPLE VELT-EARNOUAGE SAVE AREA ADDRESS
LISE			HE CHAIN OF DYNAMIC STORAGE TO MAKE THEM REENTRANT.	
			SA'S (ALSO CALLED TCAPCPA)	
			R EXEC)WS (ALSO CALLED TCAPO	
	R ASSEMBLER(EXEC (R RPG IT IS THE ENTII		S THE DFHEISTG STORAGE HEADE	R
				DI // ACCUMPED ADEA ADDRESS
(144) (144)	CHARACTER CHARACTER	4 4	TCAPCPA TCAPCCA	PL/I ACQUIRED AREA ADDRESS COBOL ACQUIRED AREA ADDRESS
(144)	ADDRESS	4	TCAPCDSA	DYNAMIC STORAGE HEADER ADDRESS
(148)	ADDRESS	4	*	Reserved
(14C)	CHARACTER	8	TCAPCIPN	Name of invoking program after DPL from client
TF	RANSIENT DATA SEC	ΓΙΟΝ		
CONTR	ROL BLOCK NAME = D	FHTCSTD		
	RIPTIVE NAME = CICS	DFHTD sy	stem overlay of the DFHTCA	
	TRANSIENT DATA	SECTION		
(154)	ADDRESS	4	TCAIDAA	INTRAPARTITION DATA AREA
В	ASIC MAPPING SUPP	ORT		
CONTE				
	OU BLOCK NAME - F	EHTCSBN	1	
DESCR	ROL BLOCK NAME = D RIPTIVE NAME = CICS BASIC MAPPIN	DFHBMS	System Overlay of the DFHTCA	
(158)	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS	DFHBMS IG SUPPO 4	System Overlay of the DFHTCA	OUTPUT SERVICE PROCESSOR WORK AREA ADDRESS (BMS)
(158) (15C)	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS	DFHBMS IG SUPPO 4 4	System Overlay of the DFHTCA RT	Reserved
(158) (15C) (160)	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING	DFHBMS IG SUPPO 4 4 1	System Overlay of the DFHTCA RT	Reserved Reserved
(158) (15C)	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS	DFHBMS IG SUPPO 4 4	System Overlay of the DFHTCA RT	Reserved
(158) (15C) (160) (161)	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING CHARACTER BITSTRING 1	DFHBMS IG SUPPO 4 4 1 2	System Overlay of the DFHTCA RT TCAOSPWA * *	Reserved Reserved DL/I INDICATOR DL/I SCHEDULING INITIATED
(158) (15C) (160) (161) (163)	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING CHARACTER BITSTRING 1	DFHBMS IG SUPPO 4 4 1 2 1	System Overlay of the DFHTCA RT TCAOSPWA * * TCADLII	Reserved Reserved Reserved DL/I INDICATOR DL/I SCHEDULING INITIATED Reserved
(158) (15C) (160) (161) (163)	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING CHARACTER BITSTRING 1	DFHBMS IG SUPPO 4 4 1 2 1	System Overlay of the DFHTCA RT TCAOSPWA * * TCADLII	Reserved Reserved DL/I INDICATOR DL/I SCHEDULING INITIATED
(158) (15C) (160) (161) (163)	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING CHARACTER BITSTRING 1	DFHBMS IG SUPPO 4 4 1 2 1	System Overlay of the DFHTCA RT TCAOSPWA * * TCADLII	Reserved Reserved Reserved DL/I INDICATOR DL/I SCHEDULING INITIATED Reserved
(158) (15C) (160) (161) (163) (164) REC	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING CHARACTER BITSTRING 1	DFHBMS IG SUPPO 4 4 1 2 1 4 ECTION FHTCSSP DFHSP S'	System Overlay of the DFHTCA RT TCAOSPWA	Reserved Reserved Reserved DL/I INDICATOR DL/I SCHEDULING INITIATED Reserved
(158) (15C) (160) (161) (163) (164) REC CONTR DESCR RE	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING CHARACTER BITSTRING 1	DFHBMS IG SUPPO 4 4 1 2 1 4 ECTION FHTCSSP DFHSP S'SECTION	System Overlay of the DFHTCA RT TCAOSPWA	Reserved Reserved DL/I INDICATOR DL/I SCHEDULING INITIATED Reserved Reserved
(158) (15C) (160) (161) (163) (164) REC	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING CHARACTER BITSTRING 1	DFHBMS IG SUPPO 4 4 1 2 1 4 ECTION FHTCSSP DFHSP S'	System Overlay of the DFHTCA RT TCAOSPWA * * TCADLII TCADLISI *	Reserved Reserved Reserved DL/I INDICATOR DL/I SCHEDULING INITIATED Reserved
(158) (15C) (160) (161) (163) (164) REC CONTE DESCR RE	RIPTIVE NAME = CICS BASIC MAPPIN ADDRESS ADDRESS BITSTRING CHARACTER BITSTRING 1	DFHBMS IG SUPPO 4 4 1 2 1 4 ECTION FHTCSSP DFHSP S'SECTION	System Overlay of the DFHTCA RT TCAOSPWA	Reserved Reserved DL/I INDICATOR DL/I SCHEDULING INITIATED Reserved Reserved TASK'S LOGICAL UNIT OF WORK (LUW) DEFINITION

Offset Hex	Туре	Len	Name (Dim)	Description
(169)	BITSTRING	1	TCAZLUWT	TASK'S LUW STATUS
()	1		TCAZRRD	A READ HAS OCCURRED IN THIS LUW
	.1		TCAZRWRT	A WRITE HAS OCCURRED IN THIS LUW
	1		TCAZINDT	Next SHUNT is 'in-doubt'
	1 1		*	Reserved
	1		TCAZDLIC	DL/I-SYNCHRONOUS 4 COMMUNICATION ESTABLISHED
(464)	11	4	*	Reserved
(16A)	BITSTRING 11	1	TCABRPS *	Rollback status Reserved
	1		TCABRPSR	Backout-Reqd prog state
	1 1111		*	Reserved
(16B)	CHARACTER	1	*	Reserved
(16C)	ADDRESS	4	TCADWASV	SAVE ADDR OF DWE CHN.
(170)	CHARACTER	12	*	Reserved
(17C)	CHARACTER	4	TCAORABC	ORIGINAL ABEND CODE
(17C)	CHARACTER	4	TCADBABC	ABEND CODE OF APPLICATION.
(180)	BITSTRING	1	TCATRTO	TERMINAL READ TIME OUT VALUE
(181)	BITSTRING 1	1	TCAFLAGS *	MISCELLANEOUS FLAGS Reserved
	.1		TCANOTRC	SUPPRESS TRACE FOR TASK
	1		*	Reserved
	1		TCASZUSE	FEPI Access in Task
	1		*	Reserved
	1		TCAUKCAL	MAKE CALL IN USER KEY
	1.		*	Reserved
	1		TCAJVMXT	system.exit from JVM
(182)	BITSTRING	1	TCASCS	SCREEN SIZE SELECTION ETC
	1		TCAFASTL	FAST LINK to DFHMIRS
	.111		TCASCSA	ALTERNATE SCREEN SIZE
	1		TCASCSA *	ALTERNATE SCREEN SIZE
	1.		TCAPRTCM	BMS TEXT PRINTER COMPATIBILITY
	1		TCATCABT	DFHACP abending flag
(183)	BITSTRING	1	TCAIRTCD	INTER REGION RETURN CODE
(184)	ADDRESS	4	TCARLB	Address of TMP lock block
(188)	ADDRESS	4	TCAEMSSV	SAVE AREA FOR DFHEMS
(18C)	BITSTRING	1	*	Reserved
(18D)	BITSTRING	1	*	Reserved
(18E)	CHARACTER	1	*	Reserved
(18F)	BITSTRING	1 4	TCAEISFL TCAEISA	EXEC CICS I/F FLAG EXEC CICS I/F STRUCT ADDR
(190) (194)	ADDRESS ADDRESS	4	TCACAAAD	LE/370 Anchor Address
(194)	ADDRESS	4	TCACEEPT	LE/370 Parameter List Address *
(19C)	ADDRESS	4	TCAREGPT	EXEC CICS registers
(1A0)	ADDRESS	4	TCAIIIRE	III task return addr
(1A4)	ADDRESS	4	TCALTGET	LIFO PUSH ROUTINE(=CSALFNAC) * SEETCALTFRE BELOW.
(1A8)	FULLWORD	4	*	Reserved
(1AC)	FULLWORD	4	*	Reserved
(1B0)	CHARACTER	4	TCAKCTTI	Assigned transaction id
(1B4)	ADDRESS	4	TCATCUCN	TCTTE USER CHAIN FIELD.
(1B8) (1BC)	ADDRESS ADDRESS	4 4	TCAXFS23	Reserved XFSTG FOR TRANSFORMATION 2 AND 3
(1C0)	ADDRESS	4	TCARSBA	ADDRESS OF REMOTE SCHEDULING BLOCK
(1C4)	CHARACTER	4	TCAKCOID	ID WHICH ORIGINATED TASK
(1C8)	BITSTRING	1	TCADLIST	DLI STATUS INFORMATION
, ,	1		TCAUIBAQ	UIB ACQUIRED
	.111		*	Reserved
	1		TCAEXDLI	EXEC DLI
	1		*	Reserved
	1.		TCAREMOT	REMOTE
(1C9)	1 CHARACTER	2	TCADBCTL TCAACMSG	DBCTL DFHACP MSG NUMBER
(1CB)	BITSTRING	1	TCAACMSG	AP DOMAIN FLAGS @BA81573C
(105)	1		TCARSREQ	RESUME REQUIRED
	.1		TCAXMSOT	APXMI should invoke APXM
	1		TCAROUTE	Transaction route attach has been sent to a remote CICS system
	1 1111		*	Reserved
(1CC)	CHARACTER	2	*	Reserved
(1CE)	BITSTRING	1	*	Reserved
(1CF)	BITSTRING	1	TCAAAM	APPLICATION ADDRESSING MODE NB BITS 1 - 7 OF BYTE TCAAAM MUST BE ZERO
(100)	1	4	TCAAAM31	31-BIT MODE
(1D0) (1D4)	ADDRESS CHARACTER	4 4	TCACRABC	Reserved CURRENT ABEND CODE
(1D4) (1D4)	CHARACTER	4	TCAPCABC	CURRENT ABEND CODE CURRENT ABEND CODE
(1D4)	CHARACTER	3	*	Reserved
(1DB)	CHARACTER	1	TCAIACB	ABEND CONTROL BLOCK STATUS *
(1DC)	ADDRESS	4	TCAPCACB	ABEND CONTROL BLOCK ADDRESS
(1E0)	CHARACTER	4	TCASENSE	SENSE FIELDS
(1E0)	CHARACTER	2	TCASS1	SYSTEM SENSE
(1E2)	CHARACTER	2	TCAUS1	USER MSG NO.
(1E4)	ADDRESS	4	TCATIEBA	TIE CHAIN FOR API ROUTER
(1E8) (1EC)	ADDRESS FULLWORD	4 4	TCADMTLA TCATRRC	ADDRESS OF CSD MANAGER TASK LOCAL STORAGE Transaction Routing RC
(1EC) (1F0)	CHARACTER	8	*	Reserved
(1F8)	ADDRESS	4	TCAJVMTK	Token for JVM instance
(1FC)	ADDRESS	4	TCAPCXA	PROGRAM LOAD POINT ADDRESS

Offset Hex	Туре	Len	Name (Dim)	Description
(200)	CHARACTER	8	TCATRRSN	RESOURCE NAME
	BASIC MAPPING SU	JPPORT FA	AST PATH FIELDS.	
(208)	CHARACTER	8	TCABMMSN	SUFFIXED NAME OF MOST RECENTLY LOADED BMS MAPSET
(210)	ADDRESS	4	TCABMMSA	ADDRESS OF MOST RECENT BMS MAPSET
(214) (215)	CHARACTER CHARACTER	1 1	TCABMMW TCABMMH	WIDTH OF MOST RECENT BMS MAP HEIGHT OF MOST RECENT BMS MAP
(216)	CHARACTER	1	TCABMMC	COLUMN POSITION MOST RECENT BMS MAP
(217)	CHARACTER	1	TCABMML	LINE POSITION MOST RECENT BMS MAP
(040)	LU6.2 INFORM		TOAALLIOV	ADDDEGG OF LUCA EXTENSION
(218) (21C)	ADDRESS ADDRESS	4 4	TCAALUCX *	ADDRESS OF LU6.2 EXTENSION Reserved
(220)	CHARACTER	4	*	Reserved
(224)	FULLWORD ADDRESS	4 4	TCATMRLP	TMP read lock list addr. Reserved
(228) (22C)	ADDRESS	4	*	Reserved
(230)	ADDRESS	4	TCALTFRE	LIFO POP ROUTINE ADDRESS = CSALFXAC SEETCALTGET ABOVE.
(234)	CHARACTER	4	TCAICREQ	REQID from an IC START
TA	SK CONTROL - TABL	E MANAGE		
(238)	BITSTRING 1	1	TCAALFLG	Flag byte used by DFHALP
	.111 1111		TCAALRES *	A RESUME is required Reserved
(239)	CHARACTER	3	*	Reserved
(23C)	ADDRESS CHARACTER	4 8	TCADOMPM *	USED as plist addr Reserved
(240) (248)	FULLWORD	4	* (4)	Reserved
(258)	CHARACTER	8	TCÁTRIDQ	TRACE ID QUALIFIER
(260)	ADDRESS FULLWORD	4 4	*	Reserved Reserved
(264) (268)	CHARACTER	28	*	Reserved
(284)	ADDRESS	4	*	Reserved
	TRANSIENT DAT	A		
CONT	ROL BLOCK NAME =	DEHTCOTE	<u> </u>	
	RIPTIVE NAME = CIC	S DFHTD s	ystem overlay of the DFH	TCA
	TRANSIENT DAT	A - NEW 1.	.7 FIELDS	
(288)	CHARACTER	4	TCADSTID	TRANSIENT DATA DESTID
(28C) (28D)	CHARACTER CHARACTER	1 1	TCATDFLG * (3)	TRANSIENT DATA FLAGS RESERVED
(202)	013440401214		(6)	
	SPECIAL FEATU	RES		
(200)	SPECIAL FEATU		TCARSDRA	DASE DOINTED FOR TASK DDR CHAIN FOR MAYS *
(290) (290)	SPECIAL FEATU ADDRESS ADDRESS	RES 4 4	TCAPSDBA TCAPSS	BASE POINTER FOR TASK PDB CHAIN FOR MVS * BASE POINTER FOR TASK PSS CHAIN FOR DOS *
(290) (290)	ADDRESS ADDRESS ADDRESS	4 4 4		BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS *
(290) (290) (294)	ADDRESS ADDRESS ADDRESS CHARACTER	4 4 4 4	TCAPSS	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved
(290) (290) (294) (298)	ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER	4 4 4 4 10	TCAPSS TCAPSTBA * *	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS *
(290) (290) (294) (298)	ADDRESS ADDRESS ADDRESS CHARACTER	4 4 4 4 10 ameters (DF	TCAPSS TCAPSTBA * *	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved
(290) (290) (294) (298)	ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para	4 4 4 4 10 ameters (DF	TCAPSS TCAPSTBA * *	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved
(290) (290) (294) (298) Tra	ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para ATI routing for PF start BITSTRING 1	4 4 4 10 ameters (DF	TCAPSS TCAPSTBA	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR
(290) (290) (294) (298) Tra	ADDRESS ADDRESS ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS ADDRES	4 4 4 10 ameters (DF	TCAPSS TCAPSTBA	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present
(290) (290) (294) (298) Tra	ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para ATI routing for PF start BITSTRING 1	4 4 4 10 ameters (DF	TCAPSS TCAPSTBA	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR
(290) (290) (294) (298) Tra & 7	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1	4 4 4 10 ameters (DF ts	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP *	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved
(290) (290) (294) (298) Tra & 7 (2A2)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ANSACTER BITSTRING 1	4 4 4 4 10 meters (DF ts	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR
(290) (290) (294) (298) Tre & 7 (2A2)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para ATI routing for PF start BITSTRING 1	4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA TCAPSTBA TCAPSTBA TCAPSTBA TCAPRIP TCAPRIP TCASYSNP TCARTST TCARTST TCATRMNP TCATRMNP TCATRPRI TCATRPRI TCADSBA TCADLUIB	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) *
(290) (290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2A8)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1	4 4 4 10 4 10 10 1 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLIBA	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS
(290) (290) (294) (298) Tra & A (2A2) (2A3) (2A4) (2A8) (2A8) (2AC)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1	4 4 4 4 100 mmeters (DF ts 1 4 4 4 4 4 4 4 4 4	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUB TCADLUB TCAAPRET	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH
(290) (290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2A8)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1	4 4 4 10 4 10 10 1 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLIBA	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname
(290) (290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2A6) (2AC) (2B8) (2C0)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1	4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLUIB TCADLUIB TCADLUIB TCAPLAN TCAPLAN TCAPLAN TCATRMNE *	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved
(290) (290) (294) (298) Tra & A (2A2) (2A3) (2A4) (2A8) (2AC) (2B0) (2B0) (2B0) (2C8)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1 11 11 111 UNSIGNED ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER	4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLUIB TCADLUIB TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCATRMNE * TCASUTOK	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use
(290) (290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2A6) (2AC) (2B8) (2C0)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1	4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLUIB TCADLUIB TCADLUIB TCAPLAN TCAPLAN TCAPLAN TCATRMNE *	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved
(290) (290) (294) (298) Tre & / (2A2) (2A3) (2A4) (2A8) (2A8) (2A8) (2B0) (2B8) (2CC)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1 11 1111 UNSIGNED ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER ADDRESS CHARACTER	4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLIBA TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCASUTOK TCASUTOK TCASUSA	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure
(290) (290) (294) (298) Tre & / (2A2) (2A3) (2A4) (2A8) (2A6) (2B0) (2B8) (2CC) (2CC) (2CO)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1 11 1111 UNSIGNED ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER ADDRESS CHARACTER	4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLIBA TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCASUTOK TCASUTOK TCASUSA	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure
(290) (290) (294) (298) Tra (2A2) (2A2) (2A3) (2A4) (2A8) (2A8) (2A8) (2A8) (2B0) (2B8) (2C0) (2C8) (2C0) (2C0) (2D0)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para ATI routing for PF start BITSTRING 1	4 4 4 4 10 10 11 11 11 11 11 11 11 11 11 11 11	TCAPSS TCAPSTBA	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area
(290) (290) (294) (298) Trr & 7 (2A2) (2A3) (2A4) (2A8) (2AC) (2B0) (2CC) (2D0) (2CS) (2CC) (2D0) (2D8) (2DC) (2DC)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para ATI routing for PF start BITSTRING 1111111 UNSIGNED ADDRESS CHARACTER ADDRESS CHARACTER	4 4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLIBA TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCASYSNE	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area Reserved
(290) (290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2AC) (2B0) (2CC) (2D0) (2D0) (2D8) (2DC) (2E0) (2E0) (2E0)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para ATI routing for PF start BITSTRING 11111 UNSIGNED ADDRESS CHARACTER ADDRESS CHARACTER	4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLUIB TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCASYSNE TCASYSNE	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area
(290) (290) (294) (298) Tra (2A2) (2A2) (2A3) (2A4) (2A8) (2A6) (2B0) (2B8) (2CO) (2E8) (2CO) (2D0) (2D0) (2E0) (2E0) (2E0) (2E0) (2E0)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para ATI routing for PF start BITSTRING 1	4 4 4 4 10	TCAPSS TCAPSTBA TCAPSTBA TCAPSTBA TCAPSTBA TCAPRIP TCASYSNP TCASYSNP TCATRMNP TCATRMNP TCATRPRI TCADLIBA TCADLIBA TCADLIBA TCAPLAN TCATRMNE TCAPLAN TCATRMNE TCASYSNE TCASUTOK TCASUSA TCASYSNE	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area Reserved Reserved Reserved
(290) (290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2AC) (2B0) (2CC) (2D0) (2D0) (2D8) (2DC) (2E0) (2E0) (2E0)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ansaction Routing para ATI routing for PF start BITSTRING 11111 UNSIGNED ADDRESS CHARACTER ADDRESS CHARACTER	4 4 4 10 ameters (DF ts 1	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLUIB TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCASYSNE TCASYSNE	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area Reserved
(290) (290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2A8) (2A9) (2B9) (2C0) (2B8) (2C0) (2C0) (2D0) (2E0) (2E0) (2E0) (2E0) (2E0) (2E0) (2E0) (2E0)	ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER SITSTRING 1	4 4 4 4 10 10 meters (DF is 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	TCAPSS TCAPSTBA TCAPSTBA TCAPSTBA TCAPSTBA TCAPSTBA TCAPRIP TCASYSNP TCASYSNP TCARTST TCATRMNP TCATRPRI TCADLIBA TCADLIBA TCADLIBA TCAPLAN TCATRMNE TCASYSNE TCASUTOK TCAEIUSA TCASYSNE TCACPCCN TCATRU24 TCASRPGM TCASRPGM TCASRPCD	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area Reserved Reserved Reserved Fields for SRP use only Name of abended program Kernel error code xxx/yyyy
(290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2A6) (2B0) (2C0) (2C8) (2C0) (2C0) (2E0) (2E0) (2E0) (2E4) FIE (2E8) (2E8) (2E7) (2F0)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1	4 4 4 4 10 meters (DF ts 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLIBA TCADLIBA TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCASYSNE TCASYSNE TCACPCCN TCATRU24 * BYTES) TCASRPGM	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area Reserved Reserved Reserved Fields for SRP use only Name of abended program Kernel error code xxx/yyyy xxx
(290) (290) (294) (298) Tra & / (2A2) (2A3) (2A4) (2A8) (2A8) (2A9) (2B9) (2C0) (2B8) (2C0) (2C0) (2D0) (2E0) (2E0) (2E0) (2E0) (2E0) (2E0) (2E0) (2E0)	ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER SITSTRING 1	4 4 4 4 10 10 meters (DF is 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	TCAPSS TCAPSTBA TCAPSTBA TCAPSTBA TCAPSTBA TCAPSTBA TCAPRIP TCASYSNP TCASYSNP TCARTST TCATRMNP TCATRPRI TCADLIBA TCADLIBA TCADLIBA TCAPLAN TCATRMNE TCASYSNE TCASUTOK TCAEIUSA TCASYSNE TCACPCCN TCATRU24 TCASRPGM TCASRPGM TCASRPCD	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area Reserved Reserved Reserved Fields for SRP use only Name of abended program Kernel error code xxx/yyyy
(290) (290) (294) (298) (298) (200)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER ATI routing for PF start BITSTRING 111111 UNSIGNED ADDRESS CHARACTER ADDRESS CHARACTER C	4 4 4 4 10	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADLIBA TCADLIBA TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCASYSNE TCASYSNE TCACPCCN TCATRU24 * * BYTES) TCASRDAT TCASRPGM TCASRPCD TCASYABD * TCATRABD TCATRABD TCASROFF	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area Reserved Reserved Reserved Fields for SRP use only Name of abended program Kernel error code xxx/yyyy xxx / yyyy Offset of abend in program
(290) (290) (294) (298) Tra (2A2) (2A3) (2A4) (2A8) (2A6) (2B0) (2B8) (2CC) (2D0) CPI (2D8) (2DC) (2E8) (2CC) (2E0) (2E0) (2E3) (2E7) (2E3) (2F0) (2F3) (2F3) (2F4)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER CHARACTER BITSTRING 1	4 4 4 4 100 ameters (DF ts 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	TCAPSS TCAPSTBA * HAPRT->DFHZIS2) TCAAPRTF TCAPRIP TCASYSNP TCARTST TCATRMNP * TCATRPRI TCADSBA TCADLUIB TCADLIBA TCADLIBA TCAAPRET TCAPLAN TCATRMNE * TCASYSNE TCASYSNE TCACPCCN TCATRU24 * * BYTES) TCASRPGM TCASRPGM TCASRPCD TCASYABD * TCATRABD	BASE POINTER FOR TASK PSS CHAIN FOR DOS * BASE POINTER FOR TASK PST CHAIN FOR DOS * Reserved Transaction Routing parameter flags Priority is to be passed to the AOR Applid present Routable start Terminal netname present Reserved Priority value to pass to AOR DBCTL SCHEDULING BLOCK ADDRESS * USER INTERFACE BLOCK (UIB) * UIB ADDRESS return address for DETACH DB2 plan in use if any Terminal netname Reserved suspend/resume token for general AP use A(EIUS). The user part of the EXEC CICS interface structure Applid of owning Terminal base pointer for CPC chain Head of TRUE save area Reserved Reserved Fields for SRP use only Name of abended program Kernel error code xxx/yyyy xxx // yyyyy

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCASRDMP	System dump required
	.1		TCAEMSIC	EMS deliberate prog check
	1		TCACELCK	LIP deliberate prog check
	1		TCASRPLI	PCP deliberate prog check
	1		TCASRAP	AP0001 abend issued by DFHSRP
	1		TCACHKAD	EDF DELIBERATE ABEND
	11		*	RESERVED SRP FLAGS
(2FD)	UNSIGNED	1	TCASRLOC	Abend in application?
(2FE)	BITSTRING	2	TCASREXC	EXC trace point id
FIEL	DS FOR THE REMO	TE SYSTEM	AND TRANSACTION NAM	MES
(300)	CHARACTER	4	TCARMTRA	Remote Transaction name
(304)	CHARACTER	4	TCARMSYS	Remote System name
	END OF SYSTEM	I AREA		
(308)	CHARACTER		TCAEND	T C A STORAGE AREA DISPLACEMENT

CONTROL BLOCK NAME = DFHTCUKC
DESCRIPTIVE NAME = CICS DFHKC USER OVERLAY OF THE DFHTCA

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	36	*	ORIGIN TO COMMON CONTROL COMMUNICATION AREA
(60)	CHARACTER	1	TCAKCRC	SYST.MACRO RTN.CODE FROM CHANGE FROM ATT/AVAIL/REDISP
()	1111 11		*	
(61)	CHARACTER	1	TCAKCSRB	SECONDARY REQUEST BYTE
(62)	CHARACTER	1	TCAKCRC2	Secondary response indicator (macro compatibility XMxx reason) *
(63)	CHARACTER	1	TCATOMOP	Attach options
	1		TCATOMCN	Conditional attach
	.1		TCATOMEP	Entrypoint attach
	1		TCATOMST	Attach of a system task
	1 1111		*	Reserved
(64)	ADDRESS	4	TCAKCEPA	ENTRY POINT ADDRESS
(64)	CHARACTER	9	TCAKCSSF	SECURITY SUBFIELD
(64)	UNSIGNED	1	TCAKCUIL	LENGTH OF USERID
(65)	CHARACTER	8	TCAKCUID	TASK USERID
(68)	CHARACTER	8	*	reserved
(70)	CHARACTER	4	TCAKCDST	T.D. DESTINATION ID
(74)	ADDRESS	4	TCAKCPA	ATTPARM address
(74)	CHARACTER	4	TCAKCSYS	REMOTE SYSTEM IDENTIFICATION *
(78)	CHARACTER	4	TCAKCTI	TRANSACTION IDENTIFICATION
(7C)	UNSIGNED	1	TCAKCPL	ATTPARM length
(7D)	CHARACTER	2	*	RESERVED
(7F)	BITSTRING	1	TCAKCFI	FACILITY CONTROL INDICATOR *
	111		*	RESERVED
	1		TCAKCAID	AID FACILITY MASK.
	1		TCAKCDCM	DESTINATION CONTROL TABLE
	1		TCAKCICM	NON-TERMINAL FACILITY MASK *
	1.		TCAKCMCM	K C P MACRO FILE MASK
	1		TCAKCTRM	TERMINAL FACILITY MASK
(80)	CHARACTER	4	TCAKCTA	TASK CONTROL AREA ADDRESS
(80)	ADDRESS	4	TCAKCFA	FACILITY CONTROL ADDRESS
(80)	ADDRESS	4	TCAKCPTR	FACILITY CONTROL ID

CONTROL BLOCK NAME = DFHTCUIC
DESCRIPTIVE NAME = CICS DFHIC USER OVERLAY OF THE DFHTCA
The following field is product sensitive:TCAICTR

Offset	Туре	Len	Name (Dim)	Description
Hex				
(60)	STRUCTURE	44	*	
(60)	CHARACTER	1	TCAICTR	TYPE OF REQUEST/RESPONSE
(61)	CHARACTER	3	*	RESERVED
(64)	CHARACTER	4	TCAICTEC	ICP 'POST' TIMER EVENT CONTROL ADDRESS
(64)	ADDRESS	4	TCAICDA	ICP MACRO SERVICE-DATA ADDRESS
(68)	CHARACTER	8	TCAICQPX	REQUEST ID PREFIX
(68)	CHARACTER	8	TCAICQID	ICP REQUEST IDENTIFICATION
(70)	FULLWORD	4	TCAICRT	REQUESTED TIME INTERVAL OR EXPIRATION TIME-OF-DAY
(74)	CHARACTER	4	TCAICFA	ICP FACILITY CONTROL ADDR.
(74)	CHARACTER	4	TCAICTI	ICP TRANSACTION IDENT.
(78)	CHARACTER	4	TCAICUSA	ADDRESS OF US PARAMETER STORAGE WHICH IS 11 BYTE FIELD OF: 1 BYTE USERID
				LENGTH 10 BYTE FIELD FOR USERID
(78)	CHARACTER	4	TCAICTID	ICP SYMBOLIC TERMINAL IDENTIFICATION
(7C)	CHARACTER	1	TCAICCLS	UNIQUE ID OF REQUESTED ID
(7D)	CHARACTER	1	TCAICTR2	SECOND REQUEST/RESPONSE BYTE

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCAICHDR	DATA RETURNED BY IC GET CONTAINS A USER-BUILT HDR. (INTERNAL)
	.1		TCAICHSZ	FEPI start - startcode SZ
	1		TCAICTKX	XM Transaction token flag
	1		TCAICRTC	Router commarea present
	1		TCAICUSS	Userid is that of system
	1		TCAICUSR	US domain parameterspecified
	1.		TCAICDFS	Deferred dynamic start
	1		*	RESERVED
(7E)	CHARACTER	2	*	RESERVED
(80)	ADDRESS	4	TCAICTKA	XM Transaction token address. *
(84)	ADDRESS	4	TCAICRTR	Router's commarea address
(88)	HALFWORD	2	TCAICRTL	Routers commarea length
(8A)	CHARACTER	2	*	RESERVED

CONTROL BLOCK NAME = DFHTCUTC
DESCRIPTIVE NAME = CICS DFHTC USER OVERLAY OF THE DFHTCA

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	40	*	ORIGIN TO COMMON COMMUNICATION AREA
This	area (from TCATP_T in some ZC level		CATP_TRACE_LEN) is traced nats	
(60)	CHARACTER	32	TCATP_TRACE	TCA parm list trace area
(60)	BITSTRING	1	TCATPAPR	APPLICATION REQUEST RESPONSE CODE
(60)	BITSTRING	1	TCATPLRC	LOCATE RETURN CODE FOR PAGE STATUS TERMINAL INTERPARTITION SESSION
` '	1		TCATPEB	END BRACKET RECEIVED (ISC) *
	.1		TCATPSNC	PREPARE/SPR RECEIVED (ISC) *
	1		*	(33)
	1		TCATPR10	CANCELLED DURING ALLOC
	1		TCATPRC8	BAD REQUEST RETURN
	1		TCATPRC4	POSSIBLE RETRY RETURN
(61)	BITSTRING	1	*	RESERVED
(62)	BITSTRING	1	TCATPOS1	EXTERNAL OPERATOR REQUEST - byte 1
	BITSTRING		TCATPOST TCATPOS2	
(63)		1	TCATPOS2	EXTERNAL OPERATOR REQUEST - byte 2
For ZA	id by the LDC - level RQ (Application requ SP - levels 6 and 7		5	
(63)	BITSTRING	1	TCATPLDC	Logical Device Code
(63)	1	'	TCATPLDC	ERASE REQUEST
	1		TCATPQAF	ALLOC OP FREE @USER SYNC
	1		TCATPFSY	FREE OP implicit free
	.1		TCATPOSS	SAVE TERMINAL STORAGE
	.1		*	Reserved
	1		TCATPOLA	LINE ADDRESSING REQUEST
	1		TCATPQAR	ALLOC OP FREE AT RESTART
	1		TCATPORR	READ REQUEST
	1		TCATPQAU	ALLOC OP NOT PROTECTED AT
	1		TCATPODR	DISCONNECT REQUEST
	1		TCATPQUE	QUEUE REQUEST(0=NQ)
	1		TCATPOSR	SYNCHRONIZATION REQUEST
	1		*	Reserved
	1.		TCATPCVS	CONVERSE REQUEST
	1.		*	Reserved
	1		TCATPOWR	WRITE REQUEST
	1		TCATPIDT	ID IS CHAR (0=ADDR SPEC)
(64)	BITSTRING	1	TCATFIDI TCATPCS1	EXTERNAL CONTROL REQUEST - byte 1
· ,				EXTERNAL CONTROL REQUEST - Byle T
	RQ (Application requ STU (Status change) -		4	
	1		TCATPNNI	NOATNI=YES
	1		TCATPPG	PAGE
	.1		TCATPNAB	NOABEND=YES
	.1		TCATPAU	AUTOMATIC PAGING
	11 1		*	reserved
	1		TCATPINP	INPUT
	1		TCATPNOP	NO POLL
	1		TCATPSAI	AUTOMATIC INITIATION
	1		TCATPBPQ	BYP QUIESCE FOR PASS
	1		TCATPTSA	TRANSACTION
	11		*	reserved
	1.		TCATPINS	IN SERVICE
	1		TCATPING	OUT OF SERVICE
(65)	BITSTRING	1	TCATPOOS TCATPCS2	EXTERNAL CONTROL REQUEST - byte 2
	RQ (Application requ TU (Status change) -		4	·
. 0, 20		.51010	TOATBODD	DEAD DUESED DECUEOT
	1 1		TCATPCRB	READ BUFFER REQUEST
			TCATNVTA	DON'T ISSUE VTAM CMDS
	.1		TCATPCEU	ERASE ALL UNPROTECTED

Offset Hex	Туре	Len	Name (Dim)	Description
	.1		TCATALGI	REQUEST INTLOG
	1		TCATPCWL	WRITE LOCK REQUEST
	1		TCATNLGI	REQUEST NOINTLOG
	1		TCATPCRL	READ LOCK REQUEST
	1		TCATTFOR	FORCEPURGE
	1		TCATPCPY	COPY REQUEST
	1		TCATTPUR	PURGE TASK
	1		TCATPCPT	PRINT REQUEST
	1		TCATPREL	RELEASE
	1.		TCATPCNT	NOTRANSLATE REQUEST
	1.		TCATPRSO	RESYNCHRONIZATION OVERRIDE
	1		ТСАТРСРВ	PSEUDO BINARY MODE
(00)	1		TCATPACQ	ACQUIRE
(66)	BITSTRING	1	TCATPOC1	OPERATION CONTROL BYTE 1
	RQ (Application requ TU (Status change) -			
(67)	BITSTRING	1	TCATPOC2	OPERATION CONTROL BYTE 2
For ZA	RQ (Application requ	ests) - level	4	
	1		TCATPFRC	FORCE=YES
	.1		TCATPWSR	WAIT ON INBOUND SIGNAL
	1		TCATPLMP	LOGICAL DEVICE CODE (LDC) MNEMONIC PRESENT
	1		TCATPFPD	FUNCTION MANAGEMENT HEADER (FMH) PROVIDED WITH DATA
	1		TCATPLWT	LAST WRITE FROM TASK
	1		TCATPOAO	OVERRIDE ASYNCHRONOUS OPERATION NOT USED
	1.		TCATPOSO	OVERRIDE SYNCHRONOUS OPERATION NOT USED
	1		TCATPWRO	WAIT REQUEST WITH OPERATION
(68)	CHARACTER	2	TCATPLDM	LOGICAL DEVICE MNEMONIC
(6A)	BITSTRING	1	TCATPCON	CONNECTION TYPE FLAG
	1111 111.		TOATONOM	NON COMMUNICATION INDICATOR
(6B)	1 BITSTRING	1	TCATPNCM TCATPOC3	NON-COMMUNICATION INDICATOR OPERATION CONTROL BYTE 3
				OF EIGHTON CONTROL BITE 3
	RQ (Application requ OC (Status change) -		4	
	1		TCATPNEC	WRITE WITH CCOMPL=NO
	1		TCATTMID	TRMIDNT VALUE SUPPLIED
	.1		TCATPTTA	TCTTE ADDRESS SUPPLIED.
	.1		TCATSTAT	STATUS KEYWORD SUPPLIED
	1		TCATPCND	CONDITIONAL REQUEST FLAG.
	1		TCATSELC	SELECT KEYWORD SUPPLIED
	1		TCATPOWS	WRITE STRFIELD
	1		TCATTRMT	TRMTYPE SUPPLIED
	1		TCATPTTO	TRANSP TIOA OBTAINED
	1		TCATOPNW	OPTION=NOWAIT REQUESTED
	1		TCATPDWR	DEFER REQUEST FLAG
	1		TCATCMPN	TCTCOMP=NO REQUESTED
	1.		TCATPINV	INVITE REQUEST FLAG
	1.		TCATSIND	SCAN INDIRECTS,DOM'N=SYS
	1		*	X'01' RESERVED
, <u></u>	1		*	X'01' RESERVED
(6C)	CHARACTER	20	TCATPPNM	PROGRAM NAME FIELD
(6C)	ADDRESS	4	TCATPTA	TMNL ID OR A(FULL MODEL TE)
(70)	CHARACTER	16	TCATPREQ	REQUEST ID PARAMETER.
(70)	CHARACTER	16	TCATPAID	AID ADDRESS
(70)	ADDRESS	4	TCATPLDA	LOGIC DEVICE CODE ELEMENT ADDRESS
(74)	CHARACTER	12	TCATPRMT	REMOTENAME OF FOUND TERM'L
(74)	ADDRESS	4 8	TCATPAPI	TERMINAL PROFILE ADDRESS APPLID OF REMOTE REGION
(78) (78)	CHARACTER CHARACTER	4	TCATPAPL TCATPSYS	SYSID OF REMOTE REGION
(76) (7C)	ADDRESS	4	TCATPSKA	A(SKELETON TCTTE)
(7C)	ADDRESS	4	TCATPS	FS parameters plist
	ATP_TRACE_LEN En			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
(80)	CHARACTER	. 8	TCATPZTR	ZC trace work area
(80)	CHARACTER	4	TCATPZT1	Copy TCT exit footprints
(84)	ADDRESS	4	TCATPZT2	Copy TCT address
(3.)		•	· • · · · · • · •	17
	OVERL	AYS		

Offset Hex	Туре	Len	Name (Dim)	Description
(84)	STRUCTURE	56	*	ORIGIN TO COMMON REGISTER STORAGE
(84)	FULLWORD	4	TCATPRS (14)	REGISTER SAVE AREA

CONTROL BLOCK NAME = DFHTCUPC
DESCRIPTIVE NAME = CICS DFHPC USER OVERLAY OF THE DFHTCA

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	36	*	ORIGIN TO COMMON CONTROL COMMUNICATION AREA
(60)	CHARACTER	1	TCAPCTR	TYPE OF REQUEST / RESPONSE
(61)	CHARACTER	1	TCAPCSR	PROGRAM CONTROL SECONDARY REQUEST
(62)	CHARACTER	1	*	reserved
(63)	CHARACTER	1	*	Reserved
(64)	CHARACTER	8	TCAPCPI	PROGRAM IDENTIFICATION
(64)	CHARACTER	4	TCAPCERA	ABEND EXIT RETURN ENTRY ADDRESS
(6C)	CHARACTER	4	TCAPCEA	LOADED PROGRAM ENTRY ADDRESS AND PC BROWSE ENTRY ADDRESS
(6C)	CHARACTER	4	TCAPCAC	ABNORMAL TERMINATION CODE
(70)	ADDRESS	4	TCAPCLA	LOADED PROGRAM BEGINNING ADDRESS
(74)	ADDRESS	4	TCAPGENT	Program entry point (GLUE)
(78)	ADDRESS	4	TCAPGTKN	Program token (GLUE)
(7C)	CHARACTER	8	TCAPCEPI	Progam that abended APCT

REGISTER STORAGE

Offset	Туре	Len	Name (Dim)	Description
Hex				
(84)	STRUCTURE	56	*	ORIGIN TO COMMON CONTROL COMMUNICATION AREA
(84)	FULLWORD	4	TCAPCRS (14)	PROGRAM CONTROL REGISTER STORAGE AREA: REGISTERS 14 -11 *

CONTROL BLOCK NAME = DFHTCUPH
DESCRIPTIVE NAME = CICS DFHPH User Overlay of the DFHTCA

Offset	Туре	Len	Name (Dim)	Description
Hex				
(60)	STRUCTURE	22	*	OVERLAY THE TCA COMMON COMMUNICATION AREA
(60)	CHARACTER	22	TCAPH	FOR ZEROING REQUEST BYTES
(60)	ADDRESS	4	TCAPHRC	ADDRESS OF RETURN CODE
(64)	ADDRESS	4	TCAPHPSN	ADDRESS OF PRTNSET NAME
(68)	ADDRESS	4	TCAPHPN	ADDRESS OF PARTITION NAME
(6C)	ADDRESS	4	TCAPHPID	ADDRESS OF PARTITION ID
(70)	ADDRESS	4	TCAPHTIO	ADDRESS OF TIOA
(74)	CHARACTER	1	TCAPHTR	REQUEST TYPE
(75)	CHARACTER	1	TCAPHRCV	RETURN CODE VALUE

CONTROL BLOCK NAME = DFHTCUBM
DESCRIPTIVE NAME = CICS DFHBMS USER OVERLAY OF THE DFHTCA

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	8	*	ORIGIN TO COMMON CONTROL COMMUNICATION AREA
(60)	BITSTRING	1	TCAMSRC1	RETURN CODE BYTE ONE
()	1		TCAMSRF	ROUTE FAILED - NO RESOLUTIONS
	.1		TCAMSRW	ROUTE WORKED - SOME RESOLUTIONS
	1		TCAMSIET	INVALID ERROR TERMINAL
	1		*	
	1		TCAMSMTL	MAP TOO LARGE
	1		TCAMSCBM	I/O AREA CANNOT BE MAPPED
	1.		TCAMSPRI	PAGE RETURNED INDICATOR
	1		TCAMSIR	INVALID REQUEST
(61)	BITSTRING	1	TCAMSRC2	RETURN CODE BYTE TWO
	1		TCAMSTSE	TEMP STORAGE I/O ERROR
	.1		TCAMSRCD	REQUEST CHANGE DIRECN ERROR
	1		TCAMSUXI	UNEXPECTED INPUT
	1		TCAMSIMN	INVALID LDC MNEMONIC
	1		TCAMSIPS	INVALID PARTITION SET NAME
	1		TCAMSIPN	INVALID PARTITION NAME
	1.		TCAMSIPF	PARTNFAIL ERROR
	1		TCAMSDSS	DATASET STATUS CHANGE
(62)	BITSTRING	1	TCAMSRC3	RETURN CODE BYTE THREE
	111		*	
	1		TCAMSIGR	SPECIFIED 'REQID' IGNORED
	1		TCAMSEOC	END-OF-CHAIN IN LAST INPUT
	1		TCAMSEOD	END-OF-DATA-SET LAST INPUT
	1.		TCAMSIFH	INBOUND FMH IN LAST INPUT
()	1		TCAMSOI	PAGE OVERFLOW INDICATOR
(63)	BITSTRING	1	TCAMSRI1	RETURN INFORMATION BYTE ONE
(64)	CHARACTER	4	TCAMSPOF	PAGEBLD OVERFLO INFORMATION
(64)	HALFWORD	2	TCAMSPGN	CURRENT PAGE NUMBER

Offset	Туре	Len	Name (Dim)	Description
Hex (66)	HALFWORD	2	TCAMSOCN	OVERFLOW CONTROL NUMBER
(,				
Offset	Type	Len	Name (Dim)	Description
Hex	Туре	Len	Name (Dim)	Description
(60) (60)	STRUCTURE BITSTRING	64 1	* TCAMSTR1	ORIGIN TO COMMON CONTROL COMMUNICATION AREA TYPE REQUEST BYTE ONE
(60)	1	'	TCAMSTRT	TYPE = ROUTE
	.1		TCAMSEO	ERRTERM = ORIG
	1		TCAMSETI	ERRTERM = TERMINAL ID
	1		TCAMSRI	INTRVAL = NUMERIC VALUE
	1		TCAMSRT TCAMSRA	TIME = NUMERIC VALUE LIST = ALL
	1.		TCAMSRSA	LIST = SYMBOLIC ADDRESS
	1		TCAMSROC	OPCLASS = OPERATOR CLASS
(61)	BITSTRING 1	1	TCAMSTR2 TCAMSRTL	TYPE REQUEST BYTE TWO TITLE = SYMBOLIC ADDRESS
	.1		TCAMSOPT	PROPT = NLEOM
	1		TCAMSRQI	REQID = ALPHANUMERIC VALUE
	1		TCAMSTLD	LDC = MNEMONIC OR YES
	1		TCAMSIOT TCAMSLPS	IOTYPE = IMMED SEND PARTNSET
	1.		TCAMSRIN	RECV INTO EXEC COMMAND
	1		TCAMSTRG	TYPE = PURGE
(62)	BITSTRING 1	1	TCAMSTR3	TYPE REQUEST BYTE THREE TYPE = LAST
	.1		TCAMSLST TCAMSRPT	RECEIVE PARTN
	1		TCAMSTRT	TYPE = TEXT
	1		TCAMSTC	CURSOR = NUMBER
	1		TCAMSTCW TCAMSTMN	CTRL = ANY 3270 WCC MAP = MAP NAME
	1.		TCAMSTSA	MSETADR = SYMBOLIC ADDRESS OR PSETADR = ADDRESS
	1		TCAMSTSN	MAPSET = MAP SET NAME
(63)	BITSTRING 1	1	TCAMSTR4	TYPE REQUEST BYTE FOUR
	.1		TCAMSTDN	DATA = NO
	1		TCAMSTRS	TYPE = SAVE
	1		TCAMSTMA	MAPADR = SYMBOLIC ADDRESS
	1		TCAMSTRW TCAMSTRM	TYPE = WAIT TYPE = MAP
	1.		TCAMSTRIV	TYPE = ERASE
	1		TCAMSTRI	TYPE = IN
(64)	BITSTRING	1	TCAMSTR5	TYPE REQUEST BYTE FIVE
	1		TCAMSTRB TCAMSTOF	TYPE = PAGEBLD OFLOW = SYMBOLIC ADDRESS
	1		TCAMSTEU	TYPE = ERASEAUP
	1		TCAMSTFF	TYPE = FORMFEED
	1		TCAMSTRLOC TCAMSTRO	TYPE = LOCATE_MAP TYPE = OUT
	1.		TCAMSTRO	TYPE = STORE
	1		TCAMSTRU	TYPE = RETURN
(65)	BITSTRING	1	TCAMSTR6	TYPE REQUEST BYTE SIX
	1		TCAMSTRP TCAMSTCA	TYPE = PAGEOUT CTRL = AUTOPAGE
	1		TCAMSTCP	CTRL = PAGE
	1		TCAMSTCK	CTRL = RETAIN
	1		TCAMSTCR TCAMSWBC	CTRL = RELEASE WTBRK = CURRENT
	1.		TCAMSWBA	WTBRK = ALL
	1		TCAMSEPO	EODPURG = OPER
(66)	BITSTRING 1	1	TCAMSTR7 TCAMSTRX	TYPE REQUEST BYTE SEVEN TYPE = TEXTBLD
	.1		TCAMSTRA	HEADER = SYMBOLIC ADDRESS
	1		TCAMSTT	TRAILER = SYMBOLIC ADDRESS
	1		TCAMSTJ	JUSTIFY = FIRST, LAST, OR VALUE
	1		TCAMSOPR TCAMSAPR	API SPECIFIES OUTPARTN API SPECIFIES ACTPARTN
	1.		TCAMSPGS	PGA SUPPLIED WITH DATA
	1		TCAMSTRN	TYPE = NOEDIT
N.B. T	TOATDL SHOULD O	SIVE THE LEN	IGTH INCLUDING THE	PGA IF SET.
(67)	BITSTRING	1	TCAMSTR8	TYPE REQUEST BYTE EIGHT
	1		TCAMSIPR	API SPECIFIES INPARTN
	.1		TCAMSMGM TCAMSEIC	MSR OPTION SPECIFIED EXEC INTERFACE COMMAND
	1		TCAMSTFP	FMHPARM = YES OR PARM
	1		TCAMSRDA	RDATT = SYMBOLIC ADDRESS
	1		TCAMSWRB TCAMSSIG	WRBRK = SYMBOLIC ADDRESS SIGNAL
	1		TCAMSSIG	SEND CONTROL
(68)	CHARACTER	4	TCAMSTA	TITLE ADDRESS
(68)	ADDRESS	4	TCAMSIOA	ALTERNATE I/O AREA ADDRESS
(6C) (6C)	CHARACTER CHARACTER	4	TCAMSFSC TCABMSFB	FIELD SEPARATOR CHARACTERS WCC AND FLAG BYTE
(6C)	CHARACTER	1	TCAMSWCC	WRITE CONTROL CHARACTERS

Offset Hex	Туре	Len	Name (Dim)	Description
(6D)	BITSTRING	1	TCAMSJ	JUSTIFY = FIRST, LAST, OR VALUE
(6E)	CHARACTER	2	TCAMSRPL	RETURNED LENGTH FROM RECEIVE PARTN
(6E)	HALFWORD	2	TCABMSCP	CURSOR POSITION
(70)	CHARACTER	8	TCABMSMN	MAP NAME
(70)	CHARACTER	8	TCAMSPSN	PARTITION SET NAME
(70)	ADDRESS	4	TCABMSMA	MAP ADDRESS
(70)	ADDRESS	4	TCAMSHDR	HEADER ADDRESS
(70)	ADDRESS	4	TCAMSRLA	ROUTE OR RETURNED PAGE LIST ADDRESS
(74)	ADDRESS	4	TCAMSTRL	TRAILER ADDRESS
(74)	ADDRESS	4	TCABMSDA	ADS descriptor address
(74)	CHARACTER	4	TCAMSRTI	TIME OR INTERVAL OF TIME
٠,				
(78)	CHARACTER	8	TCAMSMSA	MAP SET OR PARTNSET ADDRESS
(78)	CHARACTER	8	TCAMSMSN	MAP SET NAME
(78)	CHARACTER	4	TCAMSTI	ROUTE ERROR TERMINAL ID
(7C)	BITSTRING	1		RESERVED
(7D)	CHARACTER	3	TCAMSOC	OPERATOR CLASS
(80)	CHARACTER	2	TCAMSLDM	LOGICAL DEVICE CODE MNEMONIC IF LDC ON API ELSE OUTPARTN IF SEND OR INPARTN IF RECEIVE MAP OR PARTN IF RECEIVE PARTN
(82)	BITSTRING	1	TCAMSLDC	LOGICAL DEVICE CODE
(83)	CHARACTER	2	TCAMSRID	REQID - TEMPORARY STORAGE RECOVERY PREFIX
(85)	CHARACTER	2	TCAMAPNM	ACTPARTN VALUE
(87)	CHARACTER	1	*	RESERVED FOR BMS
(88)	CHARACTER	8	TCAMSFMP	FUNCTION MANAGEMENT HEADER (FMH) PARAMETER
(90)	CHARACTER	4	TCAMSMSR	MSR CONTROL VALUE
(94)	CHARACTER	8	TCAMSRQS	WORK AREA
(9C)	CHARACTER	1	TCAMCPY	FLAG INDICATING COPY REQUIRED
(9D)	CHARACTER	3	*	RESERVED
Offset	Туре	Len	Name (Dim)	Description
Hex	• •		• •	
(84)	STRUCTURE	56	*	ORIGIN TO COMMON CONTROL REGISTER STORAGE
	REGISTER STO	DRAGE		
(84)	FULLWORD	4	* (7)	OVERLAID BY BMS REQUEST BYTES
(A0)	FULLWORD	4	* (3)	RESERVED
(AC)	FULLWORD	4	TCAMSRS (4)	BMS REGISTER SAVE AREA
	NTROL BLOCK NAM SCRIPTIVE NAME =		USP P User Overlay of the DFHTC	·A

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	19	*	ORIGIN TO COMMON CONTROL COMMUNICATION AREA
(60)	BITSTRING	1	TCASPTR	SYNC POINT REQUEST
	1		*	Reserved
	.1		TCASPREP	SEND PREPARE
	11		*	Reserved
	1		TCASPROL	TYPE=ROLLBACK
	1		TCASPRAB	No remote rollback abend
	1.		TCASPEXP	Explicit EXEC SYNCPOINT
	1		TCASPUSR	TYPE=USER
(61)	CHARACTER	3	*	Reserved
(64)	ADDRESS	4	TCASPSDA	Address of RMRO parameter area for DFHSP PHASE_1/2 calls
(68)	CHARACTER	10	*	Reserved
(72)	CHARACTER	1	TCASPRC	RETURN CODE

CONTROL BLOCK NAME = DFHTCUDC
DESCRIPTIVE NAME = CICS DFHDC USER OVERLAY OF THE DFHTCA

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	16	*	ORIGIN TO COMMON CONTROL COMMUNICATION AREA
(60)	CHARACTER	2	TCADCTR	TYPE OF REQUEST
RE	QUEST BYTE 1			
	1		TCADCCSA	DUMP THE CSA
	.1		TCADCTCA	DUMP THE TCA
	1		TCADCPGM	DUMP THE PROGRAM AREAS
	1		TCADCTRT	DUMP THE TRACE TABLE
	1		TCADCIOA	DUMP TERMINAL I/O AREAS
	1		TCADCTRN	DUMP TRANSACTION AREAS
	1.		*	RESERVED
	1		TCADCSEG	DUMP USER SPECIFIED AREA

REQUEST BYTE 2	Offset Hex	Туре	Len	Name (Dim)	Description
(61) 1	RE	QUEST BYTE 2			
1 TCADCPPT DUMP THE PPT1 * RESERVED 1 TCADCPCT DUMP THE PCT 1 TCADCTCT DUMP THE TCT 1 TCADCTCT DUMP THE TCT 1. TCADCCT DUMP THE FCT 1. TCADCDCT DUMP THE DCT 1 TCADCDCT DUMP THE DCT (62) HALFWORD 2 TCADCNB DUMP CONTROL NUMBER OF BYTES (64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS	(61)	1		*	RESERVED
1 * RESERVED 1 TCADCPCT DUMP THE PCT 11. TCADCTCT DUMP THE TCT 11. TCADCFCT DUMP THE FCT 11 TCADCDCT DUMP THE DCT 1 TCADCDCT DUMP THE DCT 1 TCADCDCT DUMP THE DCT (62) HALFWORD 2 TCADCNB DUMP CONTROL NUMBER OF BYTES (64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS		.1		TCADCSIT	DUMP THE SIT
1 TCADCPCT DUMP THE PCT 1 TCADCTCT DUMP THE TCT 1. TCADCFCT DUMP THE TCT 1 TCADCPCT DUMP THE FCT 1 TCADCDCT DUMP THE DCT (62) HALFWORD 2 TCADCNB DUMP CONTROL NUMBER OF BYTES (64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS		1		TCADCPPT	DUMP THE PPT
1 TCADCTCT DUMP THE TCT1. TCADCFCT DUMP THE FCT1 TCADCDCT DUMP THE DCT1 TCADCDCT DUMP THE DCT (62) HALFWORD 2 TCADCNB DUMP CONTROL NUMBER OF BYTES (64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS		1		*	RESERVED
1. TCADCFCT DUMP THE FCT1 TCADCDCT DUMP THE DCT (62) HALFWORD 2 TCADCNB DUMP CONTROL NUMBER OF BYTES (64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS		1		TCADCPCT	DUMP THE PCT
1 TCADCDCT DUMP THE DCT (62) HALFWORD 2 TCADCNB DUMP CONTROL NUMBER OF BYTES (64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS		1		TCADCTCT	DUMP THE TCT
(62) HALFWORD 2 TCADCNB DUMP CONTROL NUMBER OF BYTES (64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS		1.		TCADCFCT	DUMP THE FCT
(64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS		1		TCADCDCT	DUMP THE DCT
(64) ADDRESS 4 TCADCSA DUMP CONTROL STORAGE ADDRESS	(62)	HALFWORD	2	TCADCNB	DUMP CONTROL NUMBER OF BYTES
	(64)	ADDRESS	4	TCADCSA	DUMP CONTROL STORAGE ADDRESS
	(68)	CHARACTER	4	*	RESERVED
(6C) CHARACTER 4 TCADCDC DUMP IDENTIFICATION CODE		CHARACTER	4	TCADCDC	DUMP IDENTIFICATION CODE

REGISTER STORAGE

Offset Hex	Туре	Len	Name (Dim)	Description
(84)	STRUCTURE	56	*	ORIGIN TO COMMON CONTROL REGISTER STORAGE
(84)	FULLWORD	4	TCADCRS (14)	DUMP CONTROL PROGRAM REGISTER STORAGE AREA: STORES REGISTERS 14 THROUGH 11

CONTROL BLOCK NAME = DFHTCUDL DESCRIPTIVE NAME = CICS DL/I TCA Communication Area Overlay FUNCTION = Logical equivalent of DL/I support communication area overlay of the user part of the TCA. This contains

request and response fields for various DL/I requests. LOCATION =

Offset (release dependent) from the start of the user TCA. LIFETIME =

Request fields should be filled in for the request and the response fields will contain the return codes. For the next request, the fields should be re-filled.

STORAGE CLASS = Same as user TCA.

INNER CONTROL BLOCKS = none.

NOTES:

DEPENDENCIES = S/370

RESTRICTIONS = none.

EXTERNAL REFERENCES = none.

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	36	*	ORIGIN TO COMMON CONTROL COMMUNICATION AREA
(60)	CHARACTER	1	TCADLRC	DL/I Response Code
(61)	CHARACTER	1	TCADLTR	DL/I Reason Code
(62)	CHARACTER	2	*	Reserved
(64)	ADDRESS	4	TCADLPAR	DL/I Parameter List Address
(68)	CHARACTER	8	TCADLPSB	DL/I PSB Name
(70)	CHARACTER	4	TCADLFUN	DL/I Function Code
(74)	ADDRESS	4	TCADLPCB	DL/I PCB Address
(78)	ADDRESS	4	TCADLIO	DL/I Workarea Address
(7C)	ADDRESS	4	TCADLSSA	DL/I SSA List Address
(80)	CHARACTER	4	TCADLLAN	DL/I Language Flags

REGISTER STORAGE

Offset	Туре	Len	Name (Dim)	Description
Hex				
(84)	STRUCTURE	56	*	ORIGIN TO COMMON CONTROL REGISTER STORAGE
(84)	FULLWORD	4	TCADLRS (14)	DL/I INTERFACE REGISTER STORAGE AREA, STORES REGISTERS 14 THROUGH 11

CONTROL BLOCK NAME = DFHTCUTD DESCRIPTIVE NAME = CICS DFHTD USER OVERLAY OF THE DFHTCA

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	32	*	overlay on the TCA Common Control Communication Area
(60)	BITSTRING	1	TCATDTR	- type of request / response
	1		*	- reserved
	.1		TCATDPUT	- TYPE=PUT
	1		*	- reserved
	1		*	- reserved
	1		*	- reserved
	1		*	- reserved
	1.		*	- reserved
	1		*	- reserved
(61)	CHARACTER	3	*	- reserved
(64)	CHARACTER	4	TCATDDI	queue id - either N(queue) or A(DCTE)
(68)	CHARACTER	24	TCATDROA	- CTYPE= overlay area
Offset Hex	Туре	Len	Name (Dim)	Description
(68)	STRUCTURE	4	*	overlay area for DFHTD TYPE=PUT,,GET,
(68)	ADDRESS	4	TCATDAA	- A(data area)
Offset Hex	Туре	Len	Name (Dim)	Description
(68)	STRUCTURE	8	*	overlay area for DFHTD CTYPE=OPEN,,PUT,
(68)	ADDRESS	4	TCATDDA	- A(DCTE) or 0 - in each case TCATDDI contains N(queue)
(6C)	ADDRESS	4	TCATDOCP	- A(TDOC parameter list)
(6C)	ADDRESS	4	TCATDTDP	- A(TDTD parameter list)

REGISTER STORAGE

Offset	Type	Len	Name (Dim)	Description
Hex				
(84)	STRUCTURE	56	*	ORIGIN TO COMMON CONTROL REGISTER STORAGE
(84)	FULLWORD	4	TCATDRS (14)	TRANSIENT DATA CONTROL PROGRAM REGISTER STORAGE AREA: STORES REGISTERS 14 THROUGH 11

CONTROL BLOCK NAME = DFHTCUTS
DESCRIPTIVE NAME = CICS DFHTS User Overlay of the DFHTCA

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	36	*	ORIGIN TO COMMON CONTROL COMMUNICATION AREA
(60)	BITSTRING	1	TCATSTR	TYPE OF REQUEST/RESPONSE *
	1		TCATSGET	get(q) request
	.1		TCATSPUT	put(q) request
	1		TCATSREL	purge/release request
	1		TCATSADR	address supplied on get
	1		TCATSCND	conditional request
	1		TCATSENT	entry no. supplied on get
	1		TCATSMST	main storage request
	1		TCATSUPD	update request
	1.		TCATSSYS	system request
	1		TCATSQUE	queue type request
(61)	BITSTRING	1	TCATSTR2	TYPE OF REQUEST (SECONDARY) *
	1		TCATSICE	append ice
	.1		TCATSPUN	put unique
	1		TCATSWRM	warm start restore
	1		TCATSEMR	emergency start restore
	1		TCATSBMS	class=bms
	1		TCATSTRM	storage class=terminal
	1.		TCATSFLB	flush buffers
	1		TCATSES2	ESCAPE BIT (TCATSTR3 VALID) *
(62)	CHARACTER	1	TCATSSTT	SAVED STORAGE TYPE INDICATOR *
(63)	CHARACTER	1	*	Reserved
(64)	ADDRESS	4	TCATSDA	TEMPORARY STORAGE DATA ADDRESS *
(68)	CHARACTER	8	TCATSDI	TEMPORARY DATA IDENTIFICATION
(70)	HALFWORD	2	TCATSRN	TEMPORARY STORAGE RECORD NUMBER
(72)	CHARACTER	1	TCATSTR3	TYPE OF REQUEST(TERTIARY)
	1		TCATSHDO	HEADER PRESENT IN OUTPUT DATA
	.1		TCATSHLL	REQUEST ISSUED BY HLL - I.E. BY DFHETS
	1		TCATSEXT	EXTENDS TCA AFTER TCATSSTA
	1		TCATSPRV	PRIVILEGED REQUEST - DO NOT WAIT FOR OPEN-FOR-BUSINESS
	1		TCATSINI	CTYPE=INITIALIZE REQUEST

Offset	Type	Len	Name (Dim)	Description
Hex				
	1		TCATSWTI	CTYPE=WAITINIT REQUEST
	1.		TCATSRST	RESTART TASK
	1		TCATSGDB	DWE Recovery
(73)	CHARACTER	1	TCATSRS2	2ND RESPONSE BYTE
	1		TCATSHDI	HEADER PRESENT IN INPUT DATA
(74)	ADDRESS	4	TCATSCBA	APPENDED CONTROL BLOCK ADDRESS
(74)	ADDRESS	4	TCATSCBP	
(78)	FULLWORD	4	TCATSSTA	ADDRESS OF PREVIOUSLY AQUIRED STORAGE
(7C)	FULLWORD	4	TCATSLL	LL00 FIELD WHEN SEPARATE OR CONCAT = L'(LL00) + L'(DATA)
(80)	BITSTRING	1	TCATSCMD	COMMAND MODIFIER.
	1		TCATSLRE	long record extn queue
	.1		TCATSLRH	long record header
	1		TCATSLRU	long record header update
	1 1111		*	reserved
(81)	CHARACTER	1	*	reserved
(82)	HALFWORD	2	TCATSTNR	TOTAL NUMBER OF RECORDS
(84)	CHARACTER		*	

REGISTER STORAGE

Offset Hex	Туре	Len	Name (Dim)	Description
(84) (84)	STRUCTURE FULLWORD	56 4	* TCATSRS (14)	ORIGIN TO COMMON CONTROL REGISTER STORAGE TEMPORARY STORAGE CONTROL PROGRAM REGISTER STORAGE AREA: STORES REGISTERS 14 THROUGH 11 *

CONTROL BLOCK NAME = DFHTCUDI
DESCRIPTIVE NAME = CICS DFHDI USER OVERLAY OF THE DFHTCA

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	STRUCTURE	24	*	
(60)	CHARACTER	2	TCADIRC	CURRENT RETURN CODE
(60)	BITSTRING 111	1	TCADIRC1	CLASS OF ERROR
	1		TCADIQSN	UNKNOWN SENSE ERROR
	1		TCADIQFU	FUNCTION ERROR
	1		TCADIQDS	DESTINATION CHANGE RESPONSE
(61)	BITSTRING	1	TCADIRC2	VALUE OF ERROR CODE
(62)	BITSTRING	1	TCADIFL1	OPERATION TYPE
(63)	BITSTRING	1	TCADIFL2	OPERATION FLAGS
	1		TCADIFNV	VOLADDR SPECIFIED
	.1		TCADIFNM	SELECT SPECIFIED
	1		TCADIFNP	PROFILE SPECIFIED
	1		TCADIFND	DSN NOT SPECIFIED
(64)	BITSTRING	1	TCADIFL3	OPERATION FLAGS
	1		TCADIFNF	DEFRESP=YES
	.1		TCADIFSS	TYPE=SAVE SPECIFIED
	1		TCADIFNK	KEY SPECIFIED
	1		TCADIFNR	RRN SPECIFIED
	1		TCADIFKN	KEYNUMBER SPECIFIED
	1		*	
	1.		TCADIFRR	RESERVED
	1		TCADIFWT	WAIT REQUESTED OR DEFAULTED
(65)	BITSTRING	1	TCADIFL4	OPERATION FLAGS RESERVED FOR FUTURE USE
(66)	BITSTRING	1	TCADINRS	NUMBER OF RECORDS IN REQUEST
(67)	BITSTRING	1	TCADISEL	SELECT VALUE
(68)	CHARACTER	4	TCADIRNA	RECORD ID
(68)	ADDRESS	4	TCADIKYA	KEY ADDRESS
(6C)	ADDRESS	4	TCADIDNA	DATA SET NAME ADDRESS
(70)	ADDRESS	4	TCADIVNA	VOLUME NAME ADDRESS
(74)	BITSTRING	1	TCADIDSP	DATA STREAM PROFILE
(75)	CHARACTER	1	*	RESERVED
(76)	HALFWORD	2	TCADIKYN	KEYNUMBER VALUE
(78)	CHARACTER		TCADIPND	END OF PLIST MARKER

Constants

Len 1	Type HEX	Value 80	Name TCAEISUN	Description TCA CONTAINS A(UNINITIALISED EIS)
1	HEX	80	TCAACB	ABEND CONTROL BLOCK BUILT
	CONS	TANTS		
1	DECIMAL	12	TCACBAR	TASK CONTROL AREA COMMON
	TASK CONTR THE FOLLO	OL SECTION WING BELONG TO FIELD T	CATCDC	
1	HEX HEX	13 20	TCADCITW TCADCIDT	DCI=TERMINAL WAIT DISPATCHABLE MASK
1	HEX	40	TCADCIEL	EVENT CONTROL LIST ADDRESS
1	HEX	80	TCADCISE	SINGLE EVENT CONTROL ADDRESS
1	HEX	88	TCADCISY	C I C S SYSTEM EVENT CONTROL
1	HEX	C5	TCADCEND	END-OF-ACTIVE-CHAIN MARKER
		WING BELONG TO FIELD TO		
1	HEX HEX	10 40	TCATOMX TCATWM	attach request wait request
1	HEX	0E	TCACANCL	TASK CANCEL FORCE=NO
1	HEX	0F	TCACANCF	TASK CANCEL FORCE=YES
1	HEX	08	TCATRM	TASK RESUME MASK
1	HEX	05	TCACEM	CONDITIONAL ENQUEUE MASK
1	HEX HEX	03 02	TCATDLM TCATDM	SYNC.DEQUEUE-ALL MASK TASK DEQUEUE MASK
1	HEX	02	TCATEM	TASK DEQUEUE MASK TASK ENQUEUE MASK
1	HEX	31	TCADUPQ	DUPLICATE ENQUEUE RESPONSE
1	HEX	32	TCATCONQ	COND ENQ FAILED RESP
1	HEX	00	TCATCOK	COND ENQ SUCCESSFUL RESP
1	HEX	28	TCALOCA	LOCATE XTRAN (DOMAIN=ALL)
1	HEX HEX	29 2A	TCALOCR TCABRW	LOCATE XTRAN (DOMAIN=REGION) BROWSE
1	HEX	2B	TCABRWUL	BROWSE UNLOCK PREVIOUS
1	HEX	2C	TCAPROFL	LOCATE PROFILE
1	HEX	2D	TCAPROB	BROWSE PROFILES
1	HEX	2E	TCAPROBU	BROWSE PROFILES UNLOCK PREVIOUS
1	HEX	2F	TCAKCREP	REPLACE PCT ELEMENT
1	HEX	2F	TCAKCSRQ	KCP SECONDARY REQUEST
	HEX	VING BELONG TO FIELD TO BF	TCASNPRG	STALL NO PURGE MASK
EVIT		RECOVERY OPTION (TCAP		STALE NO FORGE WASK
			· · · · · · · · · · · · · · · · · · ·	M. 14000 1 11 11 11
1	HEX HEX	00 C3	TCAPCAGO TCAPCANC	Abend ASRB, don't cancel exits Abend ASRB,cancel exits
1	HEX	C1	TCAPCAAC	Terminate CICS
STO	RAGE TYPE HIT	BY ASRA 0C4 (TCAPCSTG)	VALUES	
1	HEX	00	TCANOHIT	No hit or not 0C4
1	HEX	01	TCACDSA	CDSA hit
1	HEX	02	TCAECDSA	ECDSA hit
1	HEX	03	TCAERDSA TCARDSA	ERDSA hit
1	HEX HEX	04 05	TCAEUDSA	RDSA hit EUDSA hit
1	HEX	06	TCAUDSA	UDSA hit
1	HEX	10	TCADYCSA	Dummy CSA/TCA hit
1	HEX	20	TCADYRCT	Dummy RCT hit
EXIT	T XPCTA RETRY I	EXECUTION KEY (TCAPCRE	FL) VALUES	
1	HEX	80 40	TCAPCUSK TCAPCCIK	Retry in USER key Retry in CICS key
		DEFINITIONS ARE LOGICA	LLY BYTE DEFINITIONS	Neuy III Oloo key
1		VING BELONG TO FIELD TO		TASK-DEPENDENT FACILITY MASK
1	HEX CONS ⁻	00	TCAFCTDM	1AOK-DEPENDENT FACILITY MASK
	THE FOLLO	WING BELONG TO TCAKC		al (agree)
1	HEX	00	TCAKCOK TCAKCWRN	SUCCESS WARNING MESSAGE ISSUED
1	HEX HEX	08 10	TCAKCWRN	WARNING MESSAGE ISSUED DISASTROUS ERROR
1	HEX	12	TCAKCINV	INVALID NEW VALUE PASSED
1	HEX	16	TCAKCINP	INVALID PARM TYPE PASSED
1	HEX	00	TCAKCATS	ATTACH SUCCESSFUL
1	HEX	31	TCAKCATE	ATTACH FAILED
1	HEX	32	TCAKCTNF	TRANSACTION NOT FOUND
		WING BELONG TO TCAKC		CTVDE DEDLACE
1	HEX HEX	01 02	TCAKCSRR TCAKCSRI	CTYPE=REPLACE CTYPE=INITIALIZE
1	HEX	03	TCAKCSRW	CTYPE=WAITINIT CTYPE=WAITINIT
1	HEX	04	TCAKCSRK	RESTART TASK
		STANTS OWING BELONG TO TCAIC	TR	
	·			

Len	Туре	Value	Name	Description
1	HEX	10	TCAICGTM	'GETIME' TYPE OF REQUEST
1	HEX	20	TCAICWTM	'WAIT' TYPE OF REQUEST
1	HEX	30	TCAICPST	'POST' TYPE OF REQUEST
1	HEX	40	TCAICINT	'INITIATE' TYPE OF REQUEST
1	HEX	50	TCAICPUT	'PUT' TYPE OF REQUEST
1	HEX	60	TCAICIND	'INITIATE' DEFERRED
1	HEX	70	TCAICPTH	'PUT WITH HEADER' TYPE OF REQUEST (CICS INTERNAL)
1	HEX	80	TCAICGET	'GET' TYPE OF REQUEST
1	HEX	81	TCAICGNR	'GET-NO RELEASE' REQUEST
1	HEX	90	TCAICRTY	'RETRY' TYPE OF REQUEST
1	HEX	A0	TCAICRST	'RESET' CICS INTERNAL
1	HEX	В0	TCAICSCH	'SCHEDULE' (CICS INTERNAL)
1	HEX	C0	TCAICTXA	EXPIRY ANALYSIS, APTIX Call *
1	HEX	D0	TCAICRVY	DWE DRIVEN ACTIONS.
1	HEX	E0	TCAICSCD	Secondary Request TCAICTR2 contains code
1	HEX	F0	TCAICCNL	'CANCEL' TYPE OF REQUEST
1	HEX	01	TCAICPFM	PACKED TIME-OF-DAY REQUEST MASK
1	HEX	01	TCAICTFM	AUTOMATIC TASK INITIATION - TERMINAL FACILITY MASK
1	HEX	01	TCAICNRL	'NO RELEASE' MASK
1	HEX	01	TCAICDWE	SCHEDULE BUILDS DWE.
1	HEX	02	TCAICUDA	RETURN DATA TO USER MASK
1	HEX	02	TCAICRAM	RETURN 'GET' DATA ADDRESS
1	HEX	02	TCAICRIP	'REQID='PREFIX" REQUEST
1	HEX	06	TCAICCSA	'CLASS=' (CICS INTERNAL)
1	HEX	04	TCAICIDM	ICP REQUEST IDENTIFIER GIVEN MASK
1	HEX	08	TCAICXTM	EXPIRATION TIME GIVEN MASK
1	HEX	08	TCAICGWT	'WAIT' OPTION ON GET.
1	HEX	40	TCAICFND	SEARCH, TRAN FOUND RESPONSE *
1	HEX	08	TCAICNFD	SEARCH, TRAN NOT FOUND RESP *
		STANTS		<u> </u>
		LOWING BELONG TO TCAIC	TR2	
NOTE		of TCAICTR2 above before a		
	efinitions.	37.110 1.11 <u>2</u> above bolole at		
1	HEX	01	TCAICSRC	Search
1	HEX	02	TCAICRGW	Resume Get Waiters
	CONS	TANTS		
	THE FOLLO	WING REFER TO FIELD TO	ATPAPR	
4	LIEV	00	TCATDDCC	DAD DECLIFET DETLIDA
1	HEX	0C	TCATPRCC	BAD REQUEST RETURN
1	HEX	14	TCATPR14	MODE GP OUT OF SERVICE
1	HEX	18	TCATPR18	LUC DRAIN=ALL
1	HEX	1C	TCATPR1C	RM ADD_LINK failure
	THE FOLLO	WING REFER TO FIELD TO	ATPLRC	
1	HEX	00	TCATPLNR	NORMAL RETURN
1	HEX	F0	TCATPLIN	LAST ENTRY
1	HEX	F1	TCATPLIE	INVALID REQUEST
1	HEX	F2	TCATPLII	INVALID REGOLOT
1	HEX	F3	TCATPLIA	INVALID ADDRESS
1	HEX	F4	TCATPLIL	INVALID LOGICAL DEVICE CODE
1	HEX	F5	TCATPLIE	ATI REQUIRED ON NON-ATI
1	HEX	F6	TCATPVAL	RESOURCE PROBLEM FOR
1	HEX	F7	TCATPVL	INVALID PROGRAM NAME
1	HEX	F8	TCATPRFL	UNABLE TO PERFORM REQUEST
1	HEX	F9	TCATPLNL	TYPE IS NOT LUC
1	HEX	FA	TCATPENE	BUSY
1	HEX	FB	TCATPUSR	INVALID USERID
1	HEX	FC	TCATPDFR	Purge was deferred
· · ·				i digo wao dolollod
		WING REFER TO FIELD TO	ATPOS1	
	ZARQ	REQUEST FLAGS		
1	HEX	00	TCATPIOR	I/O REQUEST TYPE
1	HEX	01	TCATPISG	ISSUE SIGNAL REQUEST
1	HEX	20	TCATPASS	CLSDST PASS
1	HEX	40	TCATPPGM	PROGRAM REQUEST
1	HEX	80	TCATPEOD	EOD REQUEST
	7100 1	REQUEST FLAGS		
1	HEX	01	TCATPALL	ALLOCATE REQUEST.
P	DINT logic move	d in-line to ISP		
_			T04T	EDEE DEGUEOT
1	HEX	03	TCATPFRE	FREE REQUEST.
1	HEX	04	TCATPFRD	FREE DETACH REQUEST
1	HEX	05	TCATPERR	FREE RELEASE REQUEST
1	HEX	06	TCATPLUA	DFHLUC ALLOC REQUEST
1	HEX	07	TCATPLUF	DFHLUC FREE REQUEST
	ZIS1 CTYPE R	EQUEST FLAGS		
1	HEX	01	TCATDDDD	DDEDADE DECLIEST
1 1	HEX	01 02	TCATPPRP TCATPSPR	PREPARE REQUEST. SPR REQUEST.
1	HEX	03	TCATPSPR	COMMIT REQUEST.
1	HEX	03	TCATPCMM	ABORT REQUEST.
1	HEX	0 4 05	TCATPABI	ROLLBACK request
1	HEX	06	TCATPSRB	ISSUE-ERROR request
1	HEX	06 07	TCATPERR	ISSUE-ABEND request
1	HEX	08	TCATPABN	SHUNT request
•		00	10/11 0110	Official Toquoot

Len	Туре	Value	Name	Description
	ZLOC REQUEST F			2000.15100.
1	HEX	01	TCATPLOC	LOCATE REQUEST
1	HEX	02	TCATPATI	AUTOMATIC TASK INITIATION
1	HEX	05	TCATPUNL	UNLOCK REQUEST
1	HEX	08	TCATPLDR	LOGICAL DEVICE CODE REQUEST
1	HEX	20	TCATPSYN	SYNC-POINT REQUEST
1	HEX	21	TCATPRCY	RECOVER REQUEST
1	HEX	10	TCATPXLT	TRANSLATE ID TO UNIQUENAME (REQUEST
<u>. </u>	ZDET REQUEST F		TOXIT XET	TOWNOUTE IS TO OTHER DEPOSITION OF THE PROPERTY OF THE PROPERT
	HEX	10	TCATPDET	DETACH DECHIEFT
1			TCATPDET	DETACH REQUEST
	ZSTU REQUEST F			
1	HEX	02	TCATPFOR	FORCEPURGE
1	HEX	03	TCATPPUR	TASK PURGE REQ(TCATPTA=TCA)
1	HEX	04	TCATPTST	STATUS REQUEST
THE	ZLOC RE TH CTYPE=LOCATE, INTERPRETATION		ORM OF SEARCH ARGUMENT: BITS IS MAINTAINED IN THE	
				LOCAL DOMAIN IF THIS CICS
1	HEX	00	TCATPLCL	LOCAL DOMAIN IE THIS CICS.
1	HEX	08	TCATPSTM	THE SYTEMS ENTRIES.
1	HEX	10	TCATPREM	REMOTE DOMAIN (ALL REGIONS)
1	HEX	18	TCATPGBL	ALL REGIONS, LOCAL & REMOTE
1	HEX	20	TCATPNIB	TERMINAL SESSION, IDENTIFIED VIA
1	HEX	28	TCATPSES	SESSIONS, DEPENDENT ON SPECIFIED
1	HEX	30	TCATPGRP	LUC SESSIONS, DEPENDENT UPON A
1	HEX	38	TCATPMOD	MODE GROUP ENTRIES, DEPENDENT UPON
1	HEX	40	TCATPLUC	LUC SYSTEM OR SESSION DOMAIN
1	HEX	48	TCATPLOC	POOL TERMINALS DOMAIN
1				
1	HEX	50	TCATPIRC	IRC SYSTEM DOMAIN
1	HEX	58	TCATPSUR	SURROGATE TCTTE DOMAIN
1	HEX	60	TCATPPRT	PRINTER SPOOLER DOMAIN
1	HEX	00	TCATPADR	ADDR OF PASSED TE SE.
1	HEX	01	TCATPTID	ID REQUEST 4 BYTES GIVEN
1	HEX	02	TCATPNXT	ADDR GIVEN, NEXT REQUESTED
1	HEX	03	TCATPUNQ	UNIQUE COMPOUND NAME GIVEN
1	HEX	04	TCATPFST	FIRST-IN-DOMAIN REQUEST.
1	HEX	05	TCATPNET	PTR TO VTAM NETNAME GIVEN.
1				
1	HEX	06	TCATPSID	COMPARE SIDS.
1	HEX	07	TCATPFM7	8TH FORMAT UNDEFINED.
	THE FOLLOWI	NG REFER TO FIELD TO	CATPOC1	
1	HEX	01	TCATPWCI	CONTROL CHARACTER SUPPLIED
1	HEX	02	TCATPOFR	END OF FILE REQUEST
1	HEX	04	TCATPPBK	PASSBOOK REQUEST
1	HEX	08	TCATPCBR	COMMON BUFFER REQUEST
1	HEX	10	TCATPRAR	READ ATTENTION ANALYSIS
1	HEX	20	TCATPWBR	WRITE BREAK ANALYSIS
1	HEX	40	TCATP120	PLIST IS AT V1.2.0 LEVEL
1	HEX	80	TCATPDRR	DEFINITE RESPONSE REQUESTED
!				
1	HEX	08	TCATOTTI	TTI ALLOWED
1	HEX	04	TCATNTTI	NO TTI ALLOWED
1	HEX	02	TCATOATI	ATI ALLOWED
1	HEX	01	TCATNATI	NO ATI ALLOWED
1	HEX	00	TCATPCOM	COMMUNICATION INDICATOR
PRO	OGRAM CONTROL F	PRIMARY REQUEST BYT	E VALUES	
1	HEX	01	TCAPCLNK	LINK
1	HEX	20	TCAPCEXT	SETEXIT
1	HEX	40	TCAPCABD	ABEND
1	HEX	41	TCAPCABD	
1				ABEND AND CANCEL ALL EXITS *
1	HEX	60 61	TCAPCABA TCAPCACA	ABEND WITH ABCODE ABEND CANCEL EXITS WITH ACODE *
	HEX		ICAPCACA	ADEIND CANCEL EATTS WITH ACCUDE
RE	ESPONSE RETURN	CODES		
1	HEX	00	TCAPCROK	NORMAL RESPONSE
1	HEX	02	TCAPCINV	INVALID PROGRAM CNTRL REQUEST *
1	HEX	03	TCAPCFFA	FAILURE FROM FETCH
1	HEX	04	TCAPCABN	ABEND RETURNED TO URM
1				
1	HEX	01	TCAPCNON	WRONG AMODE FOR LINK
1	HEX	02	TCAPCNON	PPT NOTFND, NOT PCLASS
PR(SECONDARY REQUEST		
1	HEX	02	TCAPCEXR	EXIT IS ROUTINE (SETEXIT) *
1	HEX	06	TCAPCPNR	REFRESH (WITH SETEXIT)
1	HEX	08	TCAPCREX	RESETEXIT (SETEXIT)
1	HEX	40	TCAPCSYS	PROGRAM CLASS IS SYSTEM
1	HEX	80	TCAPCNOD	SUPPRESS DUMP (WITH ABEND) *
<u> </u>			10,4 01100	COLLINGO DOMI (MITTINGEND)
		STANTS TR EQUATES		
			T0.45::-5:	TVDE DOETLOAD
1	HEX	01	TCAPHPSI	TYPE=PSETLOAD
1	HEX	02	TCAPHPSC	TYPE=PSETCRT

Pex	Len	Туре	Value	Name	Description
TCAPHIC EQUATES	1				
HEX 00	1			TCAPHPXE	INPUT FROM WRONG PARTITION
HEX					
HEX	1				
HEX	•				
HEX	•				
THE FOLLOWING BELIONS TO THE BYTE TCAMSRC1	•				
HEX	<u>. </u>			TOATTERN	INNEOOVERABLE ERROR
THE FOLLOWING BELONG TO THE BYTE TCAMSTR4		THE FOLLOWIN	G BELONG TO THE BYTE TO	CAMSRC1	
MEX	1				NORMAL RESPONSE
THE FOLLOWING BELONG TO THE BYTE TCAMS.J HEX FF		THE FOLLOWIN	G BELONG TO THE BYTE TO	CAMSTR4	
MEX	1	HEX	C0	TCAMSTDY	DATA = YES
HEX		THE FOLLOWIN	G BELONG TO THE BYTE TO	CAMSJ	
THE FOLLOWING CONSTANTS REFER TO TCASPRC	1				
HEX	1	HEX	FE	TCAMSJL	JUSTIFY = LAST
MEX		THE FOLLOWING	CONSTANTS REFER TO TC	ASPRC	
TCADRC and TCADLIR or used to indicate the results of a DLI related request. TCADLIR contains the Reasons Code to explain the response codes. TCADLRC may contain the following response codes. TCADLIN Normal Response Code to explain the response code further. TCADLIN Normal Response Code to explain the response code further. TCADLIN Normal Response CODE to explain the response codes. TCADLIN Normal Response CODE to explain the response code further. TCADLIN Normal Response CODE to explain the response code further. TCADLIN Normal Response CODE TO EXPLAIN Normal Response CODE RE	1				
TOADLEC and TOADLET are used to indicate the results of a DLI network request. TOADLEC contains the Reasones Code and, where approprise, TOADLEC contains the Reasones Code to explain the response codes: HEX					
of a DLI related request. TCADLRC contains the Response Code and, where appropriate, TCADLTE contains the Response Code oan du, where appropriate, TCADLTE contains the Response Code to explain the response code further. TCADLRC may contain the following response codes: 1 HEX 00 TCADLNN Invalid Request (Reason in TCADLTR) 1 HEX 10 TCADLNN Invalid Request (Reason in TCADLTR) 1 HEX 11 TCADLDB DBRC Cheek Failure (DBRC Return Code in TCADLTR) 1 HEX 12 TCADLNOP DBRC Cheek Failure (DBRC Return Code in TCADLTR) 1 HEX 14 TCADLDB DBRC Cheek Failure (DBRC Return Code in TCADLTR) 1 HEX 15 TCADLTR may contain the following response codes: 1 When Nurmal Response - TCADLRCS-TCADLNR 1 HEX 10 TCADLTR in decide homal Response - TCADLRCS-TCADLNR 1 HEX 00 TCADLTR in Invalid Request - TCADLRCS-TCADLNY 1 HEX 01 TCADLTR in Invalid Request - TCADLRCS-TCADLNY 1 HEX 01 TCADLTR in Invalid Request - TCADLRCS-TCADLNY 1 HEX 01 TCADLTR in Invalid Request - TCADLRCS-TCADLNY 1 HEX 01 TCADLTR in Invalid Request - TCADLRCS-TCADLNY 1 HEX 02 TCADLRS Schedule Failure - APSB is already schedulide Failure - MS on (CBM TRACE only) 1 HEX 03 TCADLSS Schedule Failure - MS on (CBM TRACE only) 1 HEX 04 TCADLTR FAILURE - TCADLTR FAILURE - TERMINATION Failure - MS on (CBM TRACE only) 1 HEX 05 TCADLSF Schedule Failure - MS unable to schedule FSB Schedule Failure - MS on (CBM TRACE only) 1 HEX 05 TCADLSF Schedule Failure - MS on (CBM TRACE only) 1 HEX 10 TCADLTR FINANCE - TCADLTR FINANCE - TERMINATE					STATE ERROR
HEX		of a DL/I related re Response Code an	quest. TCADLRC contains the d, where appropriate, TCADL	TR contains	
HEX	т(CADLRC may contain	the following response codes	2'-	
HEX			<u> </u>		Normal Response
HEX					
1 HEX 14 TCADLIDB Global Request Failure - Command only attempted locally (Results the request in TCADLTR) TCADLTR may contain the following response codes:- When Normal Responses - TCADLRC-TCADLNR TCADLTR may contain the following response codes:- When Normal Responses - TCADLRC-TCADLNR TCADLTR may contain the following response codes:- When Normal Responses - TCADLRC-TCADLNR TCADLTR may contain the following response codes:- When Invalid Response When Invalid Request - TCADLRC-TCADLNR TCADLTR may contain the following response codes:- When Invalid Response When Invalid Request - TCADLRC-TCADLNR 1 HEX 00 TCADLINA 1 HEX 00 TCADLINA 1 HEX 01 TCADLPNP 1 HEX 01 TCADLPNP 1 HEX 01 TCADLPNP 1 HEX 05 TCADLPNP 1 HEX 05 TCADLSPI 1 HEX 05 TCADLSPI 1 HEX 06 TCADLSPI 1 HEX 07 TCADLTEF 1 Formination Failure - No PSB has been scheduled PSB 1 HEX 08 TCADLPNP 1 HEX 08 TCADLPNP 1 HEX 08 TCADLPNP 1 HEX 08 TCADLPNP 1 HEX 10 TCADLSPI 1 HEX 11 TCADLSPI 1 HEX 11 TCADLSPI 1 HEX 12 TCADLSPI 1 HEX 14 TCADLSPI 1 HEX 15 TCADLSPI 1 HEX 16 TCADLSPI 1 HEX 17 TCADLSPI 1 HEX 17 TCADLSPI 1 HEX 17 TCADLSPI 1 HEX 18 TCADLSPI 1 HEX 19 TCADLSPI 1 HEX 17 TCADLSPI					
HEX	1				
TCADLTR may contain the following response codes: When Normal Response - TCADLRC=TCADLNR TCADLTR in Ideated Normal Response When Invalid Request - TCADLRC=TCADLNV 1 HEX 00 TCADLPIN PITTAGE Only) 1 HEX 00 TCADLPNF 1 HEX 03 TCADLPNF 1 HEX 03 TCADLPNF 1 HEX 04 TCADLPNF 1 HEX 05 TCADLPNF 1 HEX 05 TCADLPNF 1 HEX 06 TCADLPNF 1 HEX 07 TCADLPNF 1 HEX 07 TCADLPNF 1 HEX 08 TCADLPNF 1 HEX 09 TCADLSTF THOROUGH ON TO TEADLE PITTAGE ONLY 1 HEX 10 TCADLPNF 1 HEX 10 TCADLPNF 1 HEX 10 TCADLPNF 1 HEX 11 TCADLPNF 1 HEX 11 TCADLPNF 1 HEX 12 TCADLPNF 1 HEX 14 TCADLPNF 1 HEX 15 TCADLSTF The following codes applies to TCADLTR The following codes indicate the result of a Master Terminal request to reconnect to the IRLM. The following codes indicate the result of a Master Terminal request to reconnect to the IRLM. The following codes indicate the result of other Master Terminal request to reconnect to the IRLM. The following codes indicate the result of other Master Terminal requests to reconnect to the IRLM The following codes indicate the result of other Master Terminal requests to reconnect to the IRLM The following codes indicate the result of other Master Terminal requests to reconnect to the IRLM CADLENG IRLM NOT REINITIALIZED VET IRLM NOT REINITIALIZED TERMINGUP IN HEX 72 TCADLENG IRLM NOT REINITIALIZED TERMINGUP IN HEX 74 TCADLENG IRLM NOT REINITIALIZED TERMINGUP IN HEX 75 TCADLENG IRLM NOT REINITIALIZED TERMINGUP IN HEX 75 TCADLENG IRLM NOT REINITIALIZED TERMINGUP IN HEX 76 TCADLENG IRLM NOT REINITIALIZED IN HEX 76 TCADLENG IRLM NOT REINITIALIZED IN HEX 77 TCADLENG IRLM NOT REINITIALIZED IN HEX 78 TCADL	1				Global Request Failure - Command only attempted locally (Results of
HEX	\ - I	When Normal Responder When Normal Response When Invalid Reques	nse - TCADLRC=TCADLNR ontain TCADLNR to indicate N t - TCADLRC=TCADLINV	lormal	
HEX	1				
HEX	1				
HEX	1				
HEX	1				
1 HEX 07 TCADLTEF Terminal Failure - No PSB has been scheduled 1 HEX 08 TCADLFUF Function Failure - No PSB has been scheduled 1 HEX 08 TCADLNPI Function Failure - No PSB has been scheduled 1 HEX 10 TCADLSPP Schedule Failure - Invalid System Service parameter 1 HEX 10 TCADLSPP Schedule Failure - Invalid System Service parameter 1 HEX 10 TCADLSPS Function prevented by User Exit XDLIPRE 1 HEX 10 TCADLSTG Unable to acquire storage The following code applies to TCADLTR The following codes indicate the result of a Master Terminal request to reconnect to the IRLM. 1 HEX 61 TCADLRE IRLM IDENTIFY FAILED 1 HEX 62 TCADLRE2 MASTER TERMINAL RECONNECT ALREADY IN PROGRESS 1 HEX 63 TCADLNOI IRLM NOT REINITIALIZED YET 1 HEX 64 TCADLRIG IRLM NOT REINITIALIZED YET 1 HEX 65 TCADLROI IRLM NOT REINITIALIZED YET 1 HEX 65 TCADLROI IRLM NOT REINITIALIZED YET 1 HEX 65 TCADLROI IRLM NOT REINITIALIZED YET 1 HEX 72 TCADLBOY IRLM ALREADY CONNECTED The following codes indicate the result of other Master Terminal requests. The following codes indicate the result of TCADLING IRLM ALREADY CONNECTED THE following codes indicate the result of TCADLING IRLM ALREADY CONNECTED THE FOLLOW TREQUESTED FOR THIS BRINGUP IRLM ALREADY CONNECTED THE FOLLOW TREQUEST TO TO THE MASTER TERMINAL RECONNECTED THE FOLLOW TREQUEST TO TO THE MASTER TERMINAL RECONNECTED THE FOLLOW TREQUEST TO THE MASTER TERMINAL RECONNECTED THE FUNCTION TREQUEST TO THE MASTER THE FUNCTION THE SERVICE TO THE MASTER THE FUN	1				
HEX	1				
1 HEX 08 TCADLNPI 1 HEX 10 TCADLSFP Schedule Failure - Invalid System Service parameter 1 HEX 14 TCADLSFP Schedule Failure - Invalid System Service parameter 1 HEX 14 TCADLSFG Unable to acquire storage The following code applies to TCADLTR The following code applies to TCADLTR The following code indicate the result of a Master Terminal request to reconnect to the IRLM. 1 HEX 61 TCADLRIF IRLM IDENTIFY FAILED MASTER TERMINAL RECONNECT ALREADY IN PROGRESS IRLM NOT REINITIALIZED YET IN HEX 62 TCADLROI IRLM NOT REINITIALIZED YET IN HEX 64 TCADLRING IRLM NOT REQUESTED FOR THIS BRINGUP IRLM ALREADY CONNECTED The following codes indicate the result of other Master Terminal requests. 1 HEX 71 TCADLNIF DB NOT FOUND (FOR MT REQUEST) 1 HEX 72 TCADLBSY OTHER MT ACTING ON THIS DB 1 HEX 73 TCADLINT DB CMD FAILED FOR INTEGRITY REASONS IN HEX 75 TCADLIAC ACCESS PRAMETER ILLEGAL IN HEX 75 TCADLIAC ACCESS PRAMETER ILLEGAL IN HEX 76 TCADLFCA CLOSE FAILED DURING REQUEST IN HEX 77 TCADLFCA CHANGE-AUTHORISATION FAILED IN HEX 77 TCADLFCA CHANGE-AUTHORISATION FAILED THE MEX TO TCADLFCA CHANGE-AUTHORISATION FAILED TO THE CROST TERM TO TERM TO THE CROST TO TERM TO TERM TO TERM TO THE CROST TO TERM TO TE	1				
1 HEX 14 TCADLFPX Unable to acquire storage The following code applies to TCADLTR The following codes indicate the result of a Master Terminal request to reconnect to the IRLM. 1 HEX 61 TCADLRIF IRLM IDENTIFY FAILED MASTER TERMINAL RECONNECT ALREADY IN PROGRESS 1 HEX 63 TCADLRE2 MASTER TERMINAL RECONNECT ALREADY IN PROGRESS 1 HEX 64 TCADLRAG IRLM NOT REQUESTED FOR THIS BRINGUP 1 HEX 65 TCADLRAG IRLM NOT REQUESTED FOR THIS BRINGUP 1 HEX 65 TCADLRAG IRLM NOT REQUESTED FOR THIS BRINGUP 1 HEX 65 TCADLRAG IRLM NOT REQUESTED FOR THIS BRINGUP 1 HEX 71 TCADLDIF DB NOT FOUND (FOR MT REQUEST) THE FOLLOWING CODE IN THE STANDARD THE MEX 73 TCADLINT DB CMD FAILED FOR INTEGRITY REASONS 1 HEX 73 TCADLINT DB CMD FAILED FOR INTEGRITY REASONS 1 HEX 74 TCADLIAC ACCESS PARAMETER ILLEGAL 1 HEX 75 TCADLIAC ACCESS PARAMETER ILLEGAL 1 HEX 76 TCADLICA CLOSE FAILED DURING REQUEST 1 HEX 78 TCADLICA CLOSE FAILED DURING REQUEST 1 HEX 78 TCADLICA CLOSE FAILED DURING REQUEST 1 HEX 78 TCADLFOL CLOSE FAILED DURING REQUEST 1 HEX 79 TCADLFOL CLOSE FA	1				
The following code applies to TCADLTR The following codes indicate the result of a Master Terminal request to reconnect to the IRLM. The following codes indicate the result of a Master Terminal request to reconnect to the IRLM. The following codes indicate the result of a Master Terminal request to reconnect to the IRLM. TCADLRIF IRLM IDENTIFY FAILED MASTER TERMINAL RECONNECT ALREADY IN PROGRESS IN HEX 62 TCADLRE2 MASTER TERMINAL RECONNECT ALREADY IN PROGRESS IN HEX 63 TCADLNOI IRLM NOT REINITIALIZED YET IN HEX 65 TCADLRA IRLM NOT REQUESTED FOR THIS BRINGUP IN HEX 65 TCADLIRA IRLM NOT REQUESTED FOR THIS BRINGUP IRLM NOT REQUESTED FOR THIS BRINGUP IRLM ALREADY CONNECTED The following codes indicate the result of other Master Terminal requests. The following codes indicate the result of other Master Terminal requests. The following codes indicate the result of other Master Terminal requests. The following codes indicate the result of other Master Terminal requests. The following codes indicate the result of other Master Terminal requests. The following codes indicate the result of other Master Terminal requests. TOADLING DB NOT FOUND (FOR MT REQUEST) THE following codes indicate the result of other Master Terminal requests. TCADLING DB NOT FOUND (FOR MT REQUEST) TOADLING DB NOT FOUND (FOR MT REQUEST) TOADLING DB NOT FOUND (FOR MT REQUEST) TOADLEG ACCESS PARAMETER ILLEGAL GLOBAL PARAMETER ILLEGAL GLOBAL PARAMETER ILLEGAL GLOBAL PARAMETER ILLEGAL GLOBAL PARAMETER ILLEGAL CLOSE FAILED DURING REQUEST HEX 76 TCADLICC CLOSE FAILED DURING REQUEST HEX 77 TCADLFOL CLOSE FAILED DURING REQUEST HEX 78 TCADLCSP NOT YET SAFE TO DO 'REC ROST HEX 79 TCADLFOL CLOSE FAILED DURING REQUEST TCADLIND BIT(8) CONSTANT('TA'X) NO LOCAL PSBs - removed TCADLNLD BIT(8) CONSTANT('TA'X) NO LO	1	HEX	10	TCADLSFP	
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HEX				er	
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When Not Open - TCADLRC=TCADLNOP 1 HEX 00 TCADLDBC Data Base not open 1 HEX 02 TCADLISC Intent Scheduling Conflict		TCADLNLD BIT(8) C	ONSTANT('7A'X) NO LOCAL	PSBs - removed	
1 HEX 00 TCADLDBC Data Base not open 1 HEX 02 TCADLISC Intent Scheduling Conflict	1	HEX	FF	TCADLNA	DL/I Support not available
1 HEX 02 TCADLISC Intent Scheduling Conflict	- 1	When Not Open - TC	ADLRC=TCADLNOP		
·	1				
When Global Command Failure - TCADLRC=TCADLNGL	1	HEX	02	TCADLISC	Intent Scheduling Conflict
	\	When Global Comma	nd Failure - TCADLRC=TCAD	DLNGL	

Len	Туре	Value	Name	Description
1	HEX	00	TCADLLNR	Normal Response to Local Request
1	HEX	10	TCATDTLO	- TYPE=LOCATE
1	HEX	E1	TCATDCLO	- CTYPE=LOCATE
1	HEX	E3	TCATDITD	- CTYPE=INIT_TD
1	HEX	E4 F0	TCATDBRW	- CTYPE=BROWSE - CTYPE=INITIALIZE
1	HEX HEX	F0 F1	TCATDINI TCATDWTI	- CTYPE=INITIALIZE - CTYPE=WAITINIT
1	HEX	FA	TCATDRST	- CTYPE=RESETRIG
1	HEX	FC FC	TCATDCPT	- CTYPE=PUT
1	HEX	FD	TCATDCGT	- CTYPE=GET
1	HEX	FE	TCATDCPR	- CTYPE=PURGE
	CONSTAN			
The	following refer to TCAT:			
1	HEX	00	TCATSNML	normal response
1	HEX	01	TCATSENE	entry number error
1	HEX	02	TCATSIDE	id error
1	HEX	04	TCATSIOE	input/output error
1	HEX	08	TCATSNOS	nospace error
1	HEX HEX	20 80	TCATSINV TCATSDUP	invalid request error duplicate id error
The		STR2 for the CYPE=GETDWEB cor		duplicate to entit
1	HEX	00	TCATSGDY	normal response
1	HEX	01	TCATSGDM	err-DWE already there
1	HEX	02	TCATSGDE	err-no TCTTE/URD/TSTUTE
-		IG REFER TO TCATSSTT		
1	CHARACTER	Α	TCATSSTU	TSUT TYPE STORAGE
1	CHARACTER	В	TCATSSTG	TSGID TYPE STORAGE
1	CHARACTER	C	TCATSSTD	DATA TYPE STORAGE
1	CHARACTER	D	TCATSSTM	TIOA STORAGE
		IG REFER TO TCATSCMD		
1	HEX	00	TCATSNRM	NORMAL
1	HEX	C0	TCATSHDR	SPECIAL HEADER. SPHDR.
	CONSTAN	TS BELONG TO THE BYTE TCADIRC1		
1	HEX	00	TCADIQNM	NORMAL RESPONSE
1	HEX	0C	TCADIQSL	SELECTION ERROR
	THE FOLLOWING E	BELONG TO THE BYTE TCADIRC2	2	
1	HEX	01	TCADIQBE	BEGIN DESTINATION
1	HEX	02	TCADIQRE	RESUME DESTINATION
1	HEX	11	TCADIQEN	END DESTINATION
1	HEX	12	TCADIQSU	SUSPEND DESTINATION
1	HEX	13	TCADIQAB	ABORT DESTINATION INBOUND
1	HEX	14	TCADIQAY	ABORT DESTINATION OUTBOUND
1	HEX	15	TCADIQCN	CURRENTLY NO DATA TO SEND
1	HEX	21	TCADIQIF	INVALID FUNCTION
1	HEX	22	TCADIQLE	RECORD TOO LONG
1	HEX	23 24	TCADIQFD	DATA SET FULL INVALID RECORD KEY OR
1	HEX HEX	24 25	TCADIQIK TCADIQID	I/O ERROR ON OUTBOARD DISK
1	HEX	26	TCADIQIB	INVALID NUMERICAL RECORD
1	HEX	28	TCADIQIR	INSUFFICIENT RESOURCE
1	HEX	29	TCADIQND	DATA SET NOT FOUND
1	HEX	2A	TCADIQTD	DATA SET ALREADY EXISTS
1	HEX	2B	TCADIQCD	REQUEST CHANGE DIRECTION ERROR
1	HEX	41	TCADIQXD	DESTINATION DOES NOT EXIST
1	HEX	42	TCADIQBD	BUSY DATA SET
1	HEX	43	TCADIQXM	SELECT VALUE NOT SUPPORTED
1	HEX	44	TCADIQLD	DESTINATION NAME LENGTH
1	HEX	45	TCADIQIV	INVALID VOLUME
1	HEX	46	TCADIQLV	VOLUME NAME LENGTH ERROR
1	HEX	47	TCADIOAV	TRANSMIT DATASET ATERM
1	HEX HEX	48 60	TCADIQAV TCADIQTS	ACTIVE DESTINATION SELECTED TEMPORARY STORAGE ERROR
1	HEX	60 F1	TCADIQTS	UNEXPECTED SENSE CODE RECV
1	HEX	F2	TCADIQUA	INVALID INPUT RECEIVED
1	HEX	F3	TCADIQUI	UNSUPPORTED INPUT RECEIVED
		BELONG TO THE BYTE TCADIFL1		
1	HEX	01	TCADIFOA	TYPE=ADD
1	HEX	02	TCADIFOE	TYPE=ERASE
1	HEX	03	TCADIFOR	TYPE=REPLACE
1	HEX	04	TCADIFAB	TYPE=ABORT
1	HEX HEX	05 06	TCADIFOQ TCADIFEN	TYPE=QUERY TYPE=END
1	HEX	06 07	TCADIFEN TCADIFIR	TYPE=RECEIVE
1	HEX	08	TCADIFIK	TYPE=NOTE
1	HEX	09	TCADIFNT	TYPE=DETACH
1	HEX	0A	TCADIFIB	TYPE=ATTACH
1	HEX	0B	TCADIFOS	TYPE=SEND
1	HEX	0C	TCADIFCK	TYPE=WAIT
1	HEX	0D	TCADIFCA	CTYPE=ABORT

LenTypeValueNameDescription1HEX00TCADIRLERELEASE LEVEL

TCADY Task control area - system area

DESCRIPTIVE NAME = TASK CONTROL AREA - SYSTEM AREA FUNCTION = The DFHTCADY structure is repeated to provide the offsets when it is addressed separately.

Offset	Туре	Len	Name (Dim)	Description
Hex (0)	STRUCTURE	520	DFHTCADY	
(-)	SYSTEM ARI			
(0)	CHARACTER		DFHSYTCA	
(0)	CHARACTER	8	*	Reserved
(8) (C)	ADDRESS ADDRESS	4 4	*	Reserved Reserved
(0)	TASK CONTROL			
	ROL BLOCK NAME =			
DESCR	RIPTIVE NAME = CIC	S DFHKC	system overlay of the DFHTCA	
(10)	CHARACTER	4	TCATXNUM	TXN MGR transaction num
(10)	BITSTRING CHARACTER	1 3	* TCAKCTTA	X'00'
(11) (14)	CHARACTER	8	TCASPOOL	TASK IDENTIFICATION NUM TCA subpool id
(1C)	ADDRESS	4	TCATCPC	PROGRAM CONTROL TABLE ENTRY ADDRESS
(20)	ADDRESS	4	TCADCAA	TQE address
(20)	ADDRESS	4	TCATQEA	TQE ADDRESS
(24)	CHARACTER	4	*	Reserved
(28) (2C)	ADDRESS ADDRESS	4 4	TCARSTSK TCADWLBA	RESUME TASK'S T C A ADDRESS DEFERRED WORK LIST BEGIN ADDRESS
	ITERVAL CONTROL	-	TOADWEBA	DET ENNED WORK EIST BEGIN ADDINESS
CONTR	ROL BLOCK NAME =	DEHTCSIC		
		S DFHIC S	ystem Overlay of the DFHTCA	
(30) (34)	ADDRESS ADDRESS	4 4	TCAICEAD *	INTERVAL CONTROL ELEMENT ADDRESS Reserved
. ,	ROGRAM CONTROL			
CONTE	DOL DLOCK NAME	DELITOOD	^	
	ROL BLOCK NAME = RIPTIVE NAME = CIC		sed by PROGRAM CONTROL	
(38)	ADDRESS	4	TCAPCSA	Head of chain of PESAs used to stack ap info over a link
(3C)	CHARACTER	12	TCAPCTWA	PROGRAM CONTROL WORK AREA
(3C) (40)	ADDRESS ADDRESS	4 4	* TCAPCHS	Reserved HIGH-LEVEL-LANGUAGE SAVE AREA ADDRESS
(40)				
FOR FOR	ED BY APPLICATION R PL/I IT IS THE CHA R COBOL IT IS THE T R ASSEMBLER(EXEC	PROGRAN IN OF PL/I IGT AND(F ONLY) IT	THE CHAIN OF DYNAMIC STO IS TO MAKE THEM REENTRA DSA'S (ALSO CALLED TCAPO DR EXEC)WS (ALSO CALLED IS THE DFHEISTG STORAGE	NT. PA) TCAPCCA)
	R RPG IT IS THE ENT			
(44)	CHARACTER	4	TCAPCPA	PL/I ACQUIRED AREA ADDRESS
(44)	CHARACTER ADDRESS	4	TCAPCCA	COBOL ACQUIRED AREA ADDRESS
(44) (48)	ADDRESS	4 4	TCAPCDSA *	DYNAMIC STORAGE HEADER ADDRESS Reserved
(4C)	CHARACTER	8	TCAPCIPN	Name of invoking program after DPL from client
TF	RANSIENT DATA SE	CTION		
	ROL BLOCK NAME = RIPTIVE NAME = CIC TRANSIENT DAT	S DFHTD s	ystem overlay of the DFHTCA	
(54)	ADDRESS	4	TCAIDAA	INTRAPARTITION DATA AREA
В	ASIC MAPPING SUF	PPORT		
	ROL BLOCK NAME = RIPTIVE NAME = CIC BASIC MAPP	S DFHBMS	System Overlay of the DFHTC	А
(58)	ADDRESS	4	TCAOSPWA	OUTPUT SERVICE PROCESSOR WORK AREA ADDRESS (BMS)
(5C)	ADDRESS	4	*	Reserved
(60)	BITSTRING	1	*	Reserved
(61)	CHARACTER	2	*	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
(63)	BITSTRING	1	TCADLII	DL/I INDICATOR
	1		TCADLISI	DL/I SCHEDULING INITIATED
	.111 1111		*	Reserved
(64)	FULLWORD	4	*	Reserved

RECOVERY / RESTART SECTION

CONTROL BLOCK NAME = DFHTCSSP

		T SECTION		
68)	BITSTRING	1	TCAZLUWD	TASK'S LOGICAL UNIT OF WORK (LUW) DEFINITION
	1 .111 1111		TCAZAKPT *	Activity keypoint
60)	BITSTRING	1	TCAZLUWT	Reserved
69)	1	'	TCAZLOWT	TASK'S LUW STATUS A READ HAS OCCURRED IN THIS LUW
	.1		TCAZRWRT	A WRITE HAS OCCURRED IN THIS LUW
	1		TCAZINDT	Next SHUNT is 'in-doubt'
	1 1		*	Reserved
	1		TCAZDLIC	DL/I-SYNCHRONOUS 4 COMMUNICATION ESTABLISHED
	11		*	Reserved
6A)	BITSTRING	1	TCABRPS	Rollback status
,	11		*	Reserved
	1		TCABRPSR	Backout-Reqd prog state
	1 1111		*	Reserved
6B)	CHARACTER	1	*	Reserved
6C)	ADDRESS	4	TCADWASV	SAVE ADDR OF DWE CHN.
70)	CHARACTER	12	*	Reserved
7C)	CHARACTER	4	TCAORABC	ORIGINAL ABEND CODE
7C)	CHARACTER	4	TCADBABC	ABEND CODE OF APPLICATION.
80)	BITSTRING	1	TCATRTO	TERMINAL READ TIME OUT VALUE
B1)	BITSTRING	1	TCAFLAGS	MISCELLANEOUS FLAGS
	1		*	Reserved
	.1		TCANOTRC	SUPPRESS TRACE FOR TASK
	1		*	Reserved
	1		TCASZUSE *	FEPI Access in Task
	1		TCALIKCAL	Reserved
	1		TCAUKCAL *	MAKE CALL IN USER KEY
	1. 1		TCAJVMXT	Reserved
82)	BITSTRING	1	TCASCS	system.exit from JVM SCREEN SIZE SELECTION ETC
02)	1	'	TCAFASTL	FAST LINK to DFHMIRS
	.111		*	FAST LINK to DEFINITES
	1		TCASCSA	ALTERNATE SCREEN SIZE
	1		*	ALIENNATE GONEEN GIZE
	1.		TCAPRTCM	BMS TEXT PRINTER COMPATIBILITY
	1		TCATCABT	DFHACP abending flag
83)	BITSTRING	1	TCAIRTCD	INTER REGION RETURN CODE
84)	ADDRESS	4	TCARLB	Address of TMP lock block
88)	ADDRESS	4	TCAEMSSV	SAVE AREA FOR DFHEMS
3C)	BITSTRING	1	*	Reserved
3D)	BITSTRING	1	*	Reserved
8E)	CHARACTER	1	*	Reserved
8F)	BITSTRING	1	TCAEISFL	EXEC CICS I/F FLAG
90)	ADDRESS	4	TCAEISA	EXEC CICS I/F STRUCT ADDR
94)	ADDRESS	4	TCACAAAD	LE/370 Anchor Address
98)	ADDRESS	4	TCACEEPT	LE/370 Parameter List Address *
9C)	ADDRESS	4	TCAREGPT	EXEC CICS registers
A0)	ADDRESS	4	TCAIIIRE	III task return addr
A4)	ADDRESS	4	TCALTGET	LIFO PUSH ROUTINE(=CSALFNAC) * SEETCALTFRE BELOW.
A8)	FULLWORD	4	*	Reserved
AC)	FULLWORD	4	*	Reserved
B0)	CHARACTER	4	TCAKCTTI	Assigned transaction id
B4)	ADDRESS	4	TCATCUCN	TCTTE USER CHAIN FIELD.
B8)	ADDRESS	4	*	Reserved
3C)	ADDRESS	4	TCAXFS23	XFSTG FOR TRANSFORMATION 2 AND 3
CO)	ADDRESS	4	TCARSBA	ADDRESS OF REMOTE SCHEDULING BLOCK
C4)	CHARACTER	4	TCAKCOID	ID WHICH ORIGINATED TASK
C8)	BITSTRING	1	TCADLIST	DLI STATUS INFORMATION
	1		TCAUIBAQ *	UIB ACQUIRED
	.111		TCAEVDU	Reserved
	1		TCAEXDLI *	EXEC DLI
	1.		TCAREMOT	Reserved
	1		TCAREMOT	REMOTE DBCTL
C9)	CHARACTER	2	TCAACMSG	DFHACP MSG NUMBER
св)	BITSTRING	1	TCAACMSG	AP DOMAIN FLAGS @BA81573C
, ,	1	'	TCARSREQ	RESUME REQUIRED
	.1		TCAKSKEQ	APXMI should invoke APXM
	1		TCAROUTE	Transaction route attach has been sent to a remote CICS system
	1 1111		*	Reserved
CC)	CHARACTER	2	*	Reserved
CE)	BITSTRING	1	*	Reserved
CF)	BITSTRING	1	TCAAAM	APPLICATION ADDRESSING MODE NB BITS 1 - 7 OF BYTE TCAAAM MUST BE ZER
, ,	1	'	TCAAAW TCAAAM31	31-BIT MODE
00)	ADDRESS	4	*	Reserved
D4)	CHARACTER	4	TCACRABC	CURRENT ABEND CODE

DARACTER 1 TOAPCASC CURSENT ASEND CODE	Offset Hex	Туре	Len	Name (Dim)	Description
Display		CHARACTER	4	TCAPCABC	CURRENT ABEND CODE
(DC) _ ADDRESS			3	*	Reserved
CIO CHARACTER 1 TOASSINE STEMS FIELDS	(DB)	CHARACTER	1	TCAIACB	ABEND CONTROL BLOCK STATUS *
CHARACTER					
CE2					
ADDRESS					
FILLIA ORGID					
CHARACTER 8					
Fig. ADDRESS				*	
CHARACTER 8 TCATRES RESOURCE NAME			4	TCAJVMTK	Token for JVM instance
## ABACK MAPPING SUPPORT PAST PATH FILEDS 108 CHARACTER TOAMMUS SUPPORT RECENT IN LOADED BMS MAPSET			4		
CAMPACTER S T.CABMUSN SUBFINED NAME OF MOST RECENTLY LOADED BMS MAPSET	(100)	CHARACTER	8	TCATRRSN	RESOURCE NAME
110	(400)				OUTSIVED NAME OF MOOT DECENTIVE OADS DAG MADOUT
114 CHARACTER					
115					
COLLIN POSITION MOST RECENT BMS MAP					
LUB.2 INFORMATION			1	TCABMMC	COLUMN POSITION MOST RECENT BMS MAP
(115) ADDRESS	(117)	CHARACTER	1	TCABMML	LINE POSITION MOST RECENT BMS MAP
111 ADDRESS					
120				TCAALUCX	
TANSENT DATA NEW 1.7 FIELDS TRANSENT DATA PER 1.7				*	
(126) ADDRESS				TCATMRI P	
Company Comp				*	
139 ADDRESS			4	*	
TASK CONTROL - TABLE MANAGER INTERFACE		ADDRESS	4	TCALTFRE	LIFO POP ROUTINE ADDRESS = CSALFXAC SEETCALTGET ABOVE.
TCAALFLG	(134)	CHARACTER	4	TCAICREQ	REQID from an IC START
1	TA	SK CONTROL - TAE	BLE MANAGE	ER INTERFACE	
111 111	(138)	BITSTRING	1	TCAALFLG	Flag byte used by DFHALP
(139)	, ,	1		TCAALRES	A RESUME is required
13C ADDRESS				*	
149				*	
(148)				TCADOMPM	
TRACE ID QUALIFIER TRANSIENT DATA DESTING TRANSIENT DATA DESCRIPTIVE NAME = DFHTC2TD DESCRIPTIVE NAME = DIFTC2TD DESCRIPTIV				* (4)	
TRANSIENT DATA					
FULLWORD				*	
TRANSIENT DATA			4	*	
TRANSIENT DATA		CHARACTER	28	*	Reserved
CONTROL BLOCK NAME = DPHTCZTD	(184)	ADDRESS	4	*	Reserved
Company Comp		TRANSIENT DA	TA		
Transaction Routing parameters (DFHAPRT->DFHZIS2) & ATT routing for PF starts		RIPTIVE NAME = CI	CS DFHTD s	system overlay of the D	DFHTCA
TRANSIENT DATA FLAGS TRANSIENT DATA FLAGS	(400)				TRANSIENT DATA DESTIN
CHARACTER					
SPECIAL FEATURES					
(190) ADDRESS 4 TCAPSDBA BASE POINTER FOR TASK PDB CHAIN FOR MVS* (190) ADDRESS 4 TCAPSB BASE POINTER FOR TASK PSS CHAIN FOR DOS* (194) CHARACTER 4 * Reserved Transaction Routing parameters (DFHAPRT->DFHZIS2) & ATI routing for PF starts (1A2) BITSTRING 1 TCAPRIP Priority is to be passed to the AOR 1.1 TCASYSNP Applid present 1.1 TCARTST Routingle start 1.1 TCARTST Routingle start 1.1 TCATRMNP TCATRMNP 1.1 TCATRMNP TOTATRMNP 1.1 TCATRMNP TOTATRMNP 1.1 TCATRMNP TERMING BLOCK ADDRESS* (1A8) UNSIGNED 1 TCATRRI Priority value to pass to AOR (1A4) ADDRESS 4 TCADLUB USER INTERFACE BLOCK (UIB)* (1A8) ADDRESS 4 TCAPLAN DB2 plan in use if any (1B8) CHARACTER 8 TCAPLAN DB2 plan in use if any (1C0) CHARACTER 4 TCASUTOK Suspend/resume token for general AP use (1C0) CHARACTER 8 TCASUSNE Applid of owning Terminal (1C0) CHARACTER 8 TCASUSNE Applid of owning Terminal netname (1C0) CHARACTER 8 TCASUSNE Applid of owning Terminal	(.02)			\-/	·
(190) ADDRESS 4 TCAPSS BASE POINTER FOR TASK PSS CHAIN FOR DOS* (190) ADDRESS 4 TCAPSTBA BASE POINTER FOR TASK PST CHAIN FOR DOS* (194) CHARACTER 4 * Reserved (198) CHARACTER 10 * Reserved Transaction Routing parameters (DFHAPRT->DFHZIS2) & ATI routing for PF starts (1A2) BITSTRING 1 TCAPRIP Priority is to be passed to the AOR 1 TCAPRIP Priority is to be passed to the AOR 2 TCAPRIP Priority is to be passed to the AOR 3 TCATRIND Applid present 3 TCATRIND TEATING TEATING TEATING PRIORITING	(400)			TOADCOCA	DAGE DOUNTED FOR TACK DDD CHARLES OF ANYO 5
(199) ADDRESS 4 TCAPSTBA BASE POINTER FOR TASK PST CHAIN FOR DOS * (194) CHARACTER 4 * Reserved Transaction Routing parameters (DFHAPRT->DFHZIS2) & ATI routing for PF starts (1A2) BITSTRING 1 TCAPRIP Priority is to be passed to the AOR 1					
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8 ATI routing for PF starts (1A2) BITSTRING 1 TCAAPRTF Transaction Routing parameter flags 1				*	
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CPI-C (1D8) ADDRESS 4 TCACPCCN base pointer for CPC chain					
(1D8) ADDRESS 4 TCACPCCN base pointer for CPC chain			8	TCASYSNE	Applia of owning Terminal
				TO 4 OF 2 2 2 2	

Offset Hex	Туре	Len	Name (Dim)	Description
(1E0)	CHARACTER	4	*	Reserved
(1E4)	CHARACTER	4	*	Reserved
FIE	LDS FOR USE BY D	FHSRP (24 I	BYTES)	
(1E8)	CHARACTER	24	TCASRDAT	Fields for SRP use only
(1E8)	CHARACTER	8	TCASRPGM	Name of abended program
(1F0)	CHARACTER	8	TCASRPCD	Kernel error code xxx/yyyy
(1F0)	CHARACTER	3	TCASYABD	xxx
(1F3)	CHARACTER	1	*	/
(1F4)	CHARACTER	4	TCATRABD	уууу
(1F8)	FULLWORD	4	TCASROFF	Offset of abend in program
(1F8)	ADDRESS	4	TCAKEDAD	-> Kernel error data copy
(1FC)	BITSTRING	1	TCASRFLG	SRP flag byte
	1		TCASRDMP	System dump required
	.1		TCAEMSIC	EMS deliberate prog check
	1		TCACELCK	LIP deliberate prog check
	1		TCASRPLI	PCP deliberate prog check
	1		TCASRAP	AP0001 abend issued by DFHSRP
	1		TCACHKAD	EDF DELIBERATE ABEND
	11		*	RESERVED SRP FLAGS
(1FD)	UNSIGNED	1	TCASRLOC	Abend in application?
(1FE)	BITSTRING	2	TCASREXC	EXC trace point id
FIEL	DS FOR THE REMO	TE SYSTEM	AND TRANSACTION	NAMES
(200)	CHARACTER	4	TCARMTRA	Remote Transaction name
(204)	CHARACTER	4	TCARMSYS	Remote System name
	END OF SYSTE	M AREA		
(208)	CHARACTER		TCAEND	T C A STORAGE AREA DISPLACEMENT

TCPRA Receive any control element

BI-LINGUAL Control Block MODULE NAME = DFHTCPRA DESCRIPTIVE NAME = CICS Receive Any Control Element FUNCTION = Receive Any Control Elements (RACE) are obtained at initialisation time by DFHZRPL. Each element is a control block used when processing a Receive Any RPL. The RACE contains the ECB and a pointer to the RPL. RACEs are contained in a pool pointed to by the TCTVRVRA field of the terminal control table prefix. Receive Any Pool

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	DFHTCPRA	
(0)	CHARACTER	4	TCTVRAPS	Receive Any Pool start
(0)	UNSIGNED	1	TCTVRAB	Receive Any control byte
. ,	1		TCTVRRS	Receive Specific required
	.1		TCTVRQP	Purge receive queue
	1		TCTVRAG	TIOA GETMAIN required
	1		TCTVLRP	Last RPL in pool flag
	1		TCTVRAI	RAIA GETMAIN required
	1		TCTVROL	Overlength data GETMAIN rgd.
	1.		TCTVRGM	RPL GETMAIN required
	1		TCTVRAA	Receive Any not active
(1)	UNSIGNED	1	TCTVRAB2	Receive Any control byte 2
	1		TCTVWBC	Waiting for BID completion
	.1		TCTVCMR	Command response outstanding
	1		TCTVRSN	Data from RECEIVE SPECIFIC NQ
	1		TCTVSRA	Stop issuing RECEIVE ANY
	1		TCTVIAP	Invalid TCTTE address passed
	1		TCTVSAS	Send asyn req outstanding
	1.		TCTVEXC	*exc* trace already writn
	1		TCTVCFO	CLSDST force issued @PQ19528A

Offset Hex	Туре	Len	Name (Dim)	Description
(2)	HALFWORD	2	TCTVRAGN	Number of bytes for GETMAIN
(4)	ADDRESS	4	TCTVRAL	Receive Any RPL address
(8)	UNSIGNED	4	TCTVRAEB	Receive Any ECB @P4C
	1		TCTVRAEB_ WAITING	ECB in waiting state @P4A
	.1		TCTVRAEB_POSTED	ECB in posted state @P4A
(8)	BITSTRING	3	*	@02C
(C)	ADDRESS	4	TCTVRAF1	Reserved @02A
(10)	ADDRESS	4	TCTVRAF2	Reserved @02A
(14)	ADDRESS	4	TCTVRAF3	Reserved @02A
(18)	CHARACTER	8	TCTVRATI	TOD at time send issued

TCRWE Remote install work element

```
CONTROL BLOCK NAME = DFHTCRWE
DESCRIPTIVE NAME = CICS/ESA Remote Install Work Element
FUNCTION = Store remote install/remote delete data for use by
       module DFHZATS. The DSECT is used exclusively by
       DFHZTSP DFHCRS and DFHZATS.
       The WE contains:
       FIELD LENGTH
       Request type 1 byte
       ECB 1 byte
Reserved 2 bytes
       Terminal ID 4 bytes
       Remote system ID 4 bytes
       TCSE address 4 bytes
       Netname 8 bytes
       Pointer to BPS 4 bytes
       New TCTTE address 4 bytes
Token 8 bytes
LIFETIME = Storage is obtained by a GETMAIN issued by the calling
       module (DFHZTSP or DFHCRS) and released by a FREEMAIN
       following completion or failure of the remote install or
       remote delete. In the event of the calling program
       ABENDing before completion of the remote install or
delete storage is released by DFHZATS. STORAGE CLASS = Shared
LOCATION = The address is placed in TCAFCAAA for retrieval by
       DFHZATS
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = NONE
  MODULE TYPE = DSECT
  PLS DECLARATION OF THE REMOTE WORK ELEMENT
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	56	TCTRWE	
(0)	CHARACTER	1	RWETYPE	Request type
(1)	CHARACTER	1	RWEECB	ECB
	1		RWEIHA	Initiating program has ABENDed
	.1		RWEPOST	TCTTE built OK
	1		RWESHA	Remote install prog. ABENDed
	1		RWEDUP	Duplicate TCTTE found
	1		*	Reserved
	1		RWETOK	TCTTE has a token
	1.		RWEBITM	RT bit map used
	1		*	Reserved
(2)	BITSTRING	1	RWE_FLAG	Input flags
	1		RWERSE	Remote system entry
	.1		RWESTERM	Shipped terminal definition@L3M
	1		RWE_VT	Virtual Terminal
(3)	CHARACTER	1	RWEPAD	Reserved
(4)	CHARACTER	52	RWEVAR	
(4)	CHARACTER	4	RWETERM	Terminal ID
(8)	CHARACTER	4	RWESID	Remote system ID
(C)	ADDRESS	4	RWESADDR	TCSE address
(10)	CHARACTER	8	RWENETN	Netname
(18)	ADDRESS	4	RWEBPS	Address of BPS
(1C)	ADDRESS	4	RWETCTAD	New TCTTE address
(20)	CHARACTER	8	RWETOKEN	Token
(28)	CHARACTER	8	RWECORID	Correlation Id of terminal
(30)	CHARACTER	8	RWENETOR	TOR Netname

Constants

Len	Type	Value	Name	Description
1	HEX	08	RWEINST	Install requested
1	HEX	04	RWEDEL	Remote delete request
1	HEX	02	RWEMDEL	Mass delete request
1	HEX	01	RWEFDEL	Mass flag request

Terminal control table prefix **TCTFX**

CONTROL BLOCK NAME = DFHTCTFS DESCRIPTIVE NAME = CICS TERMINAL CONTROL TABLE PREFIX Control. It is used by most TC and ZC modules. NOTES: FUNCTION = The TCT Prefix is the anchor block for Terminal DEPENDENCIES = S/370
RESTRICTIONS = none
MODULE TYPE = Control block definition EXTERNAL REFERENCES = DATA AREAS = CONTROL BLOCKS = GLOBAL VARIABLES (Macro pass) =

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	904	DFHTCTFX	TCT Prefix
Addres	sses of key areas			
(0)	ADDRESS	4	TCTVWLA	Address of the wait list
(4)	ADDRESS	4	TCTVWLA1	First non-VTAM wait list entry
(8)	ADDRESS	4	TCTVCSAA	Pointer to CSA address
(C)	ADDRESS	4	TCTVCSAD	CSA address saved by SIF1
(10)	ADDRESS	4	TCTVADCB	A(non VTAM OPN/CLS list)
(14)	ADDRESS	4	TCTVTIHA	Address of term id hash list
(18)	ADDRESS	4	TCTVTATA	Address of term id addr table
(1C)	ADDRESS	4	TCTVTEBA	Address of first TCTTE
(20)	FULLWORD	4	TCTVDRSA	Dispatcher base reg. save
(24)	ADDRESS	4	TCTVDMTE	Address of dummy terminal
(28)	ADDRESS	4	TCTVRSAA	Address of reg. save stack
(2C)	FULLWORD	4	TCTVCNTE	Current NACP term entry addr.
(30)	CHARACTER	8	TCTVLVLR	CICS functions required
(38)	ADDRESS	4	TCTVMODL	Address of module list
(3C)	ADDRESS	4	TCTVSEBA	Address of first System Entry
(40)	CHARACTER	4	TCTVZQTI	Resource name for BPS trace
(44)	ADDRESS	4	TCTVATTB	Address of attach tables
(48)	CHARACTER	4	TCTVLVL	ASM time release level
(4C)	CHARACTER	8	TCTVLVLI	ASM time functions support
(54)	CHARACTER	8	TCTVLVLM	CICS functions supported
(5C)	CHARACTER	8	TCTVLVLB	RUN-TIME function support
(5C)	BITSTRING	1	TCTVLVL0	Function support byte 0
(5D)	BITSTRING	1	TCTVLVL1	Function support byte 1
	1		*	80
	.1			40
	1		*	20
	1		* TOT///IOED	10
	1		TCTVUSFD	08 ACB USERFLD supported
	1.		*	04 02
	1		TOTAL LINE	
(55)	BITSTRING	1	TCTVLUNS TCTVLVL2	01 Resource ID vector
(5E)	1		*	Function support byte 2 80
	.1		*	40
	1		*	20
	1		TCTVXRFS	10 VTAM API is XRF capable
	1		TCTVCLSS	08 CLSDST sense codes supptd
	1		TCTVSSON	04 Sending SONCODE supported
	1.		TCTVSLHO	02 SETLOGON HOLD supported
	1		*	01 01
(5F)	BITSTRING	1	TCTVLVL3	Function support byte 3
(61)	1	•	TCTV31BA	80 31-bit addr support
	.1		TCTVQRN	40 Queued response NOTFN
	1		*	20
	1		TCTVUVAR	10 INQUIRE USERVAR supp.
	1		*	08
	1		*	04
	1.		*	02
	1		*	01
(60)	BITSTRING	1	TCTVLVL4	Function support byte 4
` '				

Offset Hex	Туре	Len	Name (Dim)	Description
	1		* TCTVPLUS	80 40 Per. Sess. terminals supported
	1		*	20
	1		*	10
	1		TCTVPLUT *	08 Per. Sess. APPC, LU61 & terminals supported 04
	1.		*	02
(61)	1 BITSTRING	1	* TCTVLVL5	01 Function support byte 5
(01)	1	'	*	80
	.1		*	40
	1		*	20 10
	1		*	08
	1 1.		*	04 02
	1.		*	01
(62)	BITSTRING	1	TCTVLVL6	Function support byte 6
	1		*	80 40
	1		*	20
	1 1		*	10 08
	1		*	04
	1.		*	02
(63)	1 BITSTRING	1	* TCTVLVL7	01 Function support byte 7
(00)	1		*	80
	.1		*	40
	1		*	20 10
	1		*	08
	1		*	04 02
	1		*	01
(64)	BITSTRING	1	TCTVFOR	Print key value
(65) (66)	BITSTRING UNSIGNED	1 2	TCTVEODI TCTVSKLN	BSAM End of Device Ind Number of remote terminals
(68)	ADDRESS	4	TCTVSKAD	Address of 'REMOTE' index
(68) (6C)	ADDRESS ADDRESS	4 4	TCTVPOOL TCTVMDAD	'Til TCRP. then anchor for chain of PIPELINE POOLS Address of model terminal entries
(70)	ADDRESS	4	TCTVMDND	End of model entries
(74)	ADDRESS	4	TCTVDSPA	Address of ZDSP DSSR plist
(78) (7C)	ADDRESS ADDRESS	4 4	TCTVSUT TCTVVPLS	Suspend token for DFHZNAC Saved VTAM parm list addr
(80)	ADDRESS	4	TCTV_APPC_BITMAP	APPC Session BITMAP ptr
(84) (88)	ADDRESS ADDRESS	4 4	TCTV_MRO_BITMAP TCTVADEF	MRO session name BITMAP Address of AUTODEF 'extension'
(8C)	HALFWORD	2	TCTVTCNT	Task count for ZRAC
(8E)	HALFWORD	2	TCTVNQCT	ENQ count for TCTI NAMESPACE
(90)	HALFWORD	2	TCTVNPRC	'no primed' RPLs' count
	in some ZC level 1	trace forma		
(92) (92)	CHARACTER BITSTRING	14 1	TCTV_TRACE *	TCT prefix trace area HPO & shutdown flags
(-)	1		TCTVHPOA	80 HPO active in system
	.1		TCTVSLS TCTV_RA_STALL	40 DFHZSLS entered 20 All RAs stuck
	1		TCTVSLR	10 Shutdown LR CNOS in prog
	1		TCTVSHM	08 Shutdown message issued
	1 1.		TCTVSLG TCTVSHU	04 SETLOGON quiesce issued 02 DFHZSHU control flag
	1		TCTVNATF	01 No attaches this dispatch
(93)	BITSTRING	1	TCTVSDST	Shutdown stage Shutdown Quiesce codes Move in stages from one to another as stage complete X'00' No shutdown, Etc
(94)	BITSTRING 1	1	TCTVSCSW TCTVDC	Start up & close down switch 80 TPEND exit invoked
	.1		TCTVDO	40 DYNAMIC OPEN invoked
	1		TCTV/SG	20 VTAM TCTTEs generated
	1		TCTVOA TCTVVFQ	10 ACB open 08 VTAM is quiesced
	1		TCTVVTHA	04 VTAM ABENDED
	1. 1		TCTVVTHQ TCTVVTHO	02 Quick VTAM close 01 Orderly VTAM close
TCTV		HO+TCTV\/	THQ+TCTVVTHA VTAM quiescing.	
(95)	BITSTRING	1	TCTVRESP	SYS +resp level used byte
(33)	1	'	TCTVFC	80 FORCECLOSE requested
	.1		TCTVAF	40 ACB close failed
	1		TCTVCIQ *	20 CICS INIT'D ZC CLOSE 10
	1		TCTVFME	08 Use FME outbound
	1 1.		TCTVRRN TCTVISC	04 Use RRN outbound 02 ISC modules loaded
	1		TCTVBFQ	01 Non VTAM quiesce

Offset	Туре	Len	Name (Dim)	Description		
Hex (96)	BITSTRING	1	TCTVSQUE	System service queue controls		
	1		TCTVNAC *	80 NACP already scheduled		
	.1 1		TCTVVAP	40 20 VTAM authorised path		
	1		TCTVVRZ	10 RPL for ZDSP from ZHPRX		
	1 1		TCTVXNP TCTVNSU	08 New work for NACP 04 DFHZNAC suspended		
	1.		TCTVNOP	02 OPDLIM NOT REQ.		
(97)	1 BITSTRING	1	* TCTVAPPL	01 Length of APPLID		
(98)	CHARACTER	8	TCTVAPPN	VTAM APPLID		
TC	TV_TRACE_LEN End of	of prefix tra	ce area			
(A0)	ADDRESS	4	TCTVLUN	Address of VTAM LU name		
(A4)	ADDRESS	4	TCTV/ MPO HEAD	Address of first IRC TCSE		
(A4) (A8)	ADDRESS ADDRESS	4 4	TCTV_MRO_HEAD TCTVSLUT	Alternative name for TCTVIRCH Address of LDC lookup-table		
(AC)	CHARACTER	3	TCTVNQTI	TASKID with TCTI NAMESPACE lock		
(AF)	BITSTRING 1	1	* TCTVXBC	XRF bit 80 DFHTCBP completed		
	.1		TCTVXRT	40 CEMT P SHUT TAKEOVER		
	1		TCTVXTS	20 Terminal sw scan begun		
	1		*	10 08		
	1		*	04		
	1. 1		*	02 01		
(B0)	HALFWORD	2	TCTVXSBC	No. STANDBY BOUND sessions		
(B2)	CHARACTER	2	TCTVCUID	Current/last XRF catch up ID.		
(B4)	ADDRESS	4	TCTVMGRP	Address of first mode entry		
	3270 command constant area					
(B8) (B8)	CHARACTER BITSTRING	1	* TCTV32EA	Alignment Erase unprotected '6F'		
(B9)	BITSTRING	1	TCTV32RB	Read buffer 'F2'		
(BA)	BITSTRING	2	TCTV32PT	Print 'F1F8'		
(BC) (BE)	BITSTRING HALFWORD	2 2	TCTV32P4 TCTVSLCT	Print model one 'F1D8' LDC look-up count		
(C0)	ADDRESS	4	TCTVTRTA	Address of translate tables		
	onsole Support area					
(C4) (C8)	ADDRESS ADDRESS	4 4	TCTVSECB TCTVCSCL	System communication ECB Cmnd scheduler commun. list		
(CC)	ADDRESS	4	TCTVWLSE	Wait list entry		
(D0)	ADDRESS	4	TCTVCCE	First Console Control Element		
(D4) (D8)	ADDRESS ADDRESS	4 4	TCTVCTCT TCTVCDME	First Console TCTTE Dummy ECB		
(DC)	ADDRESS	4	TCTVCWA	Console Work Area		
(E0)	CHARACTER	8	TCTVJBNM	CICS system jobname		
	OS Console flags					
(E8)	BITSTRING 1	1	TCTVCONF *	Console flag byte 80		
	.1		*	40		
	1		TCTV_CCE_TASK TCTV_CCE_ATI	20 ZCNA task loop reqd. 10 ZCNA ATI loop reqd.		
	1		TCTVCFQ	08 Quiesce is COMPLETE		
	1		TCTVCSQ	04 Quiesce IN PROGRESS		
	1.		TCTVCNE TCTVCAC	02 DFHZCNC is ACTIVE 01 Console abnormal condition		
(E9)	CHARACTER	3	*	Reserved		
	ID OF COMMON SECTORS (31), @05C DELET					
(EC)	FULLWORD	4	TCTVSDXT	TC Shudown, Threshold Expiration Time		
(F0)	ADDRESS	4	TCTVRVRA	Addr of 'RVCE ANY' RPL pool		
(F4) (F8)	ADDRESS ADDRESS	4 4	TCTVLNIB TCTVCNIB	Address of NIB list (INC IRC) Fixed NIB for LOGON X		
(FC)	ADDRESS	4	TCTVACBA	Address of VTAM ACB/EXLST		
(100)	ADDRESS	4	TCTVCRPL	CLSDST RPL for LOGON X		
(104) (108)	ADDRESS ADDRESS	4 4	TCTVSLDC TCTVSLSS	System default LDC table SETLOGON START save area		
(108)	ADDRESS	4	TCTVASRR	Save area for ACTIVATE SCAN		
(10C)	ADDRESS	4	TCTVTCTE	End of TCT		
	pointers for TCP					
(110) (110)	CHARACTER FULLWORD	4	* TCTVAA1	Double word alignment VTAM Activate process chain First entry		
(110)	FULLWORD	4	TCTVAA1 TCTVAA2	Last entry Last entry VTAM Activate queueing chain		
(118)	FULLWORD	4	TCTVAA3	First entry		
(11C) (120)	FULLWORD ADDRESS	4 4	TCTVAA4 TCTV_LU61_HEAD	Last entry LOGGING/ERROR queue chains LU61 system chain		
(124)	ADDRESS	4	TCTV_REMDEL_HEAD	RemDel system chain		
(128) (12C)	FULLWORD FULLWORD	4 4	*	Reserved Reserved		
(130)	FULLWORD	4	TCTVSRQ	System error Q for NACP First on queue		

Offset	Туре	Len	Name (Dim)	Description
Hex (134)	FULLWORD	4	TCTVSRQE	System error queue for NACP Last on queue
(138)	FULLWORD	4	TCTVPOAC	Previous TCTTE on Act. chain
(13C) (140)	FULLWORD UNSIGNED	4 1	TCTVRPLA TCTV_ZBLX_ ERR_OFFSET	RPL QUICK-CELL chain anchor First on free queue
(141)	CHARACTER	7	*	error offset in SCIP Reserved
	control area pointers	•		Noscirou
(148)	ADDRESS	4	TCTVMNIB	Address of model NIBS
(146) (14C)	ADDRESS	4	TCTVRPL2	Address of RPL for VTAM 3270
(150)	ADDRESS	4	TCTVRPLS	Address of RPL for RESETSR
(154) (158)	ADDRESS HALFWORD	4 2	TCTVXQOA TCTVRPLN	Anchor for XRF TRACKINQ Q'S RPL length
(15A)	HALFWORD	2	TCTVDOC	Dynamic open count
	s control switches CHAR(2), DELETED B	,		
(15C)	UNSIGNED	1	TCTVSDWT	TC Shutdown Wait from SIT TCSWAIT
(15D)	BITSTRING	1	*	TC Shutdown Flag Byte
	1		TCTVSDUB	80 Action from SIT TCSACTN On = UNBIND Off = NONE or FORCE
	.1		TCTVSDTFO TCTVSDTX	40 Action from SIT TCSACTN On = FORCE Off = NONE or UNBIND 20 Threshold Expired On = TC Shutdown end time expired (sessions hung) Off = TC
				Shutdown end time not expire
	1		TCTVSDTD	10 Threshold Disabled On = TC Shutdown threshold disabled (no msgs produced) Off = TC
	1		TCTVSDTD6	Shutdown threshold enabled (msgs produced) 08 Threshold Disabled for LU62 and LU61 On = TC Shutdown threshold disabled (no msgs
				produced) Off = TC Shutdown threshold enabled (msgs produced)
	1		TCTVSDTI	04 Treshold Intiated On = TS Shutdown initiated and end time calculated Off = TC Shutdown not initiated, and no end time
	1.		TCTVRAPLF	02 On = RAPOOL FORCE
	1		TCTV_RA_ 2118_ISSUED	OA O- " DA OTALL
(15E)	HALFWORD	2	TCTVRMAX	01 On if RA STALL 'RCVE ANY' max size
(160)	HALFWORD	2	TCTVRMIN	'RCVE ANY' min size
(162)	CHARACTER	2	TCTVRASW	'RCVE ANY' stat work area PL2
(164) (166)	CHARACTER CHARACTER	2 2	TCTVRAHC TCTVOCC	'RCVE ANY' high water mark PL2 OPNDST/CLSDST reqt limit PL2
(168)	CHARACTER	4	TCTVRANT	No. times high water hit PL4
(16C)	FULLWORD	4	TCTVAPCC	Act. process chain DOS CCB
(16C) (170)	FULLWORD CHARACTER	4 128	TCTVAPCE TCTVXRPL	VTAM Act. process chain ECB RPL initialising mask area
VIO tra		.20		W E mindleng mask and
(1F0)	UNSIGNED	1	TCTVIOBL	Max L2 VIO bufflst entries
(1F1) (1F2)	UNSIGNED HALFWORD	1 2	TCTVIOL1 TCTVIOL2	Max lev 1 VIO data length Max lev 2 VIO data length
	prevent ZGRP runnin			Max lev 2 VIO data length
(1F4)	UNSIGNED	4	TCTV_ZSLS_ECB	Make ZGRP run after ZSLS
	sses for SRB exits	•	. 0.1 1_2020_202	
(1F8)	FULLWORD	4	TCTVZHPR	Lock field for ZHPRX
(110)			/E ANY' counts	LOCK HOLD TO ZITE TO
(1FC)	CHARACTER	2	TCTVRAVC	Current active RA RPL count
(1FE)	CHARACTER	2	TCTVRAVL	Limit of active SRB mode RA
	RARP is the anchor ad			
(200) (204)	FULLWORD FULLWORD	4 4	TCTVRARP TCTVRINC	'RCVE ANY' RPL Q for ZHPRX 'RCVE ANY' RPL CDS counter
	INSTALL data		TOTALING	NOVE ANT INFE ODS COUNTRY
(208)	FULLWORD	4	TCTVMXWE	Limit of concurrent requests
(20C)	FULLWORD	4	TCTVACWE	Number currently active
(210)	ADDRESS	4	TCTVANWE	Address of first WE ON chain
(214)	BITSTRING 1	1	TCTVADFG TCTVADEN	Flag Byte 80 external ENA DIS indicator
	.1		TCTVADIN	40 internal ENA DIS indicator
	1		TCTVADDF	20 delayed delete failed
	1		TCTVNONO TCTVAIRU	10 CLSDST PASS no notify 08 TCTTE can be reused (AILDELAY ¬= 0)
	1		TCTVSLHI	04 SETLOGON HOLD done
(045)	1.	•	TCTVAITR	02 Trace Autoinstall
(215) (21D)	CHARACTER BITSTRING	8 1	TCTVAXIT TCTVAICN	User program name Console autoinstall
, /	1	•	TCTVAICE	80 external ENA DIS
	.1		TCTVAICA TCTVAICY	40 external AUTO 20 external YES NO
AUTOI	INSTALL Statistics info	rmation	1011/1101	20 Oxformal (20)100
(21E)	HALFWORD	2	TCTVADSH	Number of times max value reached
(220)	FULLWORD	4	TCTVADRJ	Number of requests rejected
(224) (228)	FULLWORD HALFWORD	4 2	TCTVADLO TCTVADAT	Number of delete's Total number of requests attempted
(22A)	HALFWORD	2	TCTVADPK	Peak concurrent requests attempted
(22C)	HALFWORD	2	TCTVADPX	Incidence of peak requests

Offset Hex	Туре	Len	Name (Dim)	Description
Fully C	Qualified LU Name			
(22E) (22F)	BITSTRING CHARACTER	1 17	TCTVQLUL TCTVQLUN	Length of fully qualified LU name Fully qualified LU name
RSA fo	or entry to TCP			
(240)	CHARACTER	72	TCTVKRSA	Reg save area KCP to TCP
RSA fo	or VTAM exit calls			
(288)	FULLWORD	4	TCTVEVRA	Save area VTAM return address
(28C)	CHARACTER	12	TCTVERSA	RSA for VTAM exits
(298)	FULLWORD	4	TCTVER14	Register 14
(29C)	FULLWORD	4	TCTVER15	Register 15
(2A0) (2A4)	FULLWORD FULLWORD	4 4	TCTVER0 TCTVER1	Register 0 Register 1
(2A8)	FULLWORD	4	TCTVER2	Register 2
(2AC)	FULLWORD	4	TCTVER3	Register 3
(2B0)	FULLWORD	4	TCTVER4	Register 4
(2B4)	FULLWORD	4	TCTVER5	Register 5
(2B8)	FULLWORD	4	TCTVER6	Register 6
(2BC) (2C0)	FULLWORD FULLWORD	4 4	TCTVER7 TCTVER8	Register 7 Register 8
(2C4)	FULLWORD	4	TCTVER9	Register 9
(2C8)	FULLWORD	4	TCTVER10	Register 10
(2CC)	FULLWORD	4	TCTVER11	Register 11
(2D0)	FULLWORD	4	TCTVER12	Register 12
(2D4) (2DC)	CHARACTER CHARACTER	8 80	TCTVWK1 TCTVERS2	RSA for SYNAD exit
(2DC) (2DC)	CHARACTER	12	TCTVER32 TCTVER2H	RSA for SYNAD exit
(2E8)	FULLWORD	4	TCTVER2E	Register 14
(2EC)	FULLWORD	4	TCTVER2F	Register 15
(2F0)	FULLWORD	4	TCTVER20	Register 0
(2F4)	FULLWORD	4	TCTVER21	Register 1
(2F8)	FULLWORD	4 4	TCTVER22 TCTVER23	Register 2
(2FC) (300)	FULLWORD FULLWORD	4	TCTVER23	Register 3 Register 4
(304)	FULLWORD	4	TCTVER25	Register 5
(308)	FULLWORD	4	TCTVER26	Register 6
(30C)	FULLWORD	4	TCTVER27	Register 7
(310)	FULLWORD	4	TCTVER28	Register 8
(314) (318)	FULLWORD FULLWORD	4 4	TCTVER29 TCTVER2A	Register 9 Register 10
(31C)	FULLWORD	4	TCTVER2B	Register 11
(320)	FULLWORD	4	TCTVER2C	Register 12
(324)	CHARACTER	1	TCTVERS2_FLAG	Flag byte for RSA
	1111 111.		*	Reserved
(225)	1	7	TCTVERS2_ IN_USE	This RSA is in use.
(325)	CHARACTER			Reserved
RSA st	tack for TCP calls			
(32C)	ADDRESS	4	TCTVRSAP	RSA pointer initial value
(330)	CHARACTER	2	*	Word alignment
(330) (332)	HALFWORD HALFWORD	2 2	TCTVVMOF TCTVSUFX	Offset of self in assembly TCT suffix
(334)	CHARACTER	4	*	Double word alignment
(338)	FULLWORD	4	TCTVRSPC	TCP call save stack start
(338)	FULLWORD	4	TCTVRSBA	Start address for RSA stack
(338)	FULLWORD	4	TCTVRSID	Optional stack entry trace ID
(33C)	FULLWORD	4 4	TCTVRSRG	Start of stack of saved regs.
(33C) (340)	FULLWORD FULLWORD	4	TCTVRS14 TCTVRS15	Register 14 Register 15
(344)	FULLWORD	4	TCTVRS0	Register 0
(348)	FULLWORD	4	TCTVRS1	Register 1
(34C)	FULLWORD	4	TCTVRS2	Register 2
(350)	FULLWORD	4	TCTVRS3	Register 3
(354) (358)	FULLWORD FULLWORD	4 4	TCTVRS4 TCTVRS5	Register 4 Register 5
(35C)	FULLWORD	4	TCTVRS6	Register 6
(360)	FULLWORD	4	TCTVRS7	Register 7
(364)	FULLWORD	4	TCTVRS8	Register 8
(368)	FULLWORD	4	TCTVRS9	Register 9
(36C)	FULLWORD	4	TCTVRS10	Register 10
(370) (388)	CHARACTER CHARACTER	24	* TCTVRSEA	Reserved space for RSA RSA stack entry ending address
(550)	O. W. WOOLLIN		· OT VIOLA	1.0. Saun only ording addition

TCTVRSAZ EQU (TCTVRSEA-TCTVRSBA) size of one save area = 80

Offset Hex	Туре	Len	Name (Dim)	Description
(338)	STRUCTURE	768	*	
(338)	CHARACTER	320	*	4 save areas for TCP calls

Offset Hex	Туре	Len	Name (Dim)	Description
TC	task ECBS			
(478)	ADDRESS	4	TCTVINIT	TC initialisation TCA Address (posted by TCRP)
(47C) (47C)	ADDRESS ADDRESS	4 4	TCTVSTAT TCTVCECB	TC restart completion ECB
(480)	ADDRESS	4	TCTVOECB	TC open for business ECB
(480)	BITSTRING	1	*	
	1		* TCTVOPST	TC open for business post bit *
(484)	BITSTRING	1	TCTVOPST	TC restart return code
(485)	CHARACTER	1	TCTVSTYP	TC restart start-type
(486)	HALFWORD	2	TCTVXREN	Current XRF reconn. try-number
(488) (489)	UNSIGNED CHARACTER	1 8	TCTVSAPL TCTVSAPN	APPLID length VTAM APPLID
(491)	BITSTRING	1	*	VIAWAFFEID
, ,	1		TCTVLSY	80 Local system entry exists
	.1		TCTVRCC	40 Reading CICS Catalog
	1		TCTVALT TCTVUALC	20 TCRP was an alternate 10 TCTUA ANY BELOW
	1		TCTVALTT	08 Alternate tracking
	1		*	
	1.		*	04 indicates 0100 have
(492)	1 HALFWORD	2	TCTVUAKY TCTVXPLC	01 indicates CICS key Pending S/B logons count
(494)	ADDRESS	4	TCTVXPLE	Pending S/B logons ECB
	erminal cleanup statis	tics		
(498)	HALFWORD	2	TCTVX001	CLEANUP ACTION=NONE
(49A)	HALFWORD	2	TCTVX001	CLEANUP ACTION=NONE CLEANUP ACTION=CLEAR/SDT
(49C)	HALFWORD	2	TCTVX003	CLEANUP ACTION=UNBIND
(49E)	HALFWORD	2	TCTVX004	Reserved
(4A0) (4A2)	CHARACTER CHARACTER	2	TCTVXSLM *	Switch CMD pacing limit(PL2) Reserved - alignment
(4A4)	ADDRESS	4	TCTVXTSE	Track stream started ECB
	rage management			
(4A8)	ADDRESS	4	TCTVSUBP	Address of SUBPOOL token
	exit trace		10110051	Address of COBI COE token
			TOTATOE	ALL CHETNAME I :
(4AC) (4B0)	ADDRESS ADDRESS	4 4	TCTVTRF TCTVTRV	Address of NETNAME chain Variable S/POOL TOKEN pointer
(4B4)	ADDRESS	4	TCTVTRXA	Trace entry build area ptr. A
(4B8)	ADDRESS	4	TCTVTRXB	Trace entry build area ptr. B
(4BC)	ADDRESS	4	TCTVTRXC	Trace entry build area ptr. C
(4C0) (4C4)	ADDRESS ADDRESS	4 4	TCTVTRXD TCTVTRXE	Trace entry build area ptr. D Trace entry build area ptr. E *
(4C8)	FULLWORD	4	TCTVTRC	Terminal exit trace count
(4CC)	FULLWORD	4	TCTVRLCT	OPNDLIM count
(4D0)	BITSTRING 1	1	* TCTVTRA	Exit trace flags 80 - All exits traced
	.1		TCTVTRX	40 - Non term, exits traced
	1		*	20 - reserved
	1		*	10 - reserved
	1 1		*	08 - reserved 04 - reserved
	1.		*	02 - reserved
	1		*	01 - reserved
(4D1)	CHARACTER	3	*	Word Alignment
Po	stponed autoinstall log	gon fields		
(4D4)	ADDRESS	4	TCTVAPWE	Postponed Autoinstall work element anchor
(4D8)	FULLWORD	4	TCTVADQC	Postponed Autoinstall work current count
(4DC) (4E0)	FULLWORD HALFWORD	4 2	TCTVADQT TCTVADQK	Total number of postponed logons Peak concurrent postponed logons
(4E2)	HALFWORD	2	TCTVADQX	Incidence of postponed peak logons
Sc	hedule Restart Delete	fields		
(4E4)	UNSIGNED	4	TCTVAECB	Schedule restart delete ECB
(4E8)	FULLWORD	4	TCTVASDC	Schedule restart delete count
Ea	rly ZC SUBPOOL TOI	KENs for Su	bpools added before TCRP	
(4EC)	CHARACTER	8	TCTVTOKR	RAIA subpool token
(4F4)	CHARACTER	8	*	Reserved
(4FC)	CHARACTER	4	•	Reserved
RPL co	ompletion queue anch			
(500)	FULLWORD	4	TCTVRPLQ	Q of RPLs for DSP from ZHPRX
(504)	FULLWORD	4	TCTVRPLC	Q of RPLs for DSP CDS counter
	tent Sessions fields			
(508)	BITSTRING	1	TCTV PRSS AVAILABLE	Flags for Per. Sess. use
	1		TCTV_PRSS_ AVAILABLE	VTAM support available for persistent sessions
	.1		TCTV_PRSS_ SUBSET	VTAM 34.0 is in use
	1		TCTV_PRSS_	
			PRED_TAKEOVER	

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCTV_PRSS_	Predatory takeover
			PRED_VICTIM	Current takeover victim
	1		TCTV_PRSS_	Outfort takeover vicanii
			VTAM_ABEND	VTAM abend occurred
(509)	UNSIGNED 1	1	TCTVPRB2 TCTV_ZGRP_ FAILED	Byte 2 of Per. Sess flags SII1 notify SIJ1 of fail
	.1		TCTV_RA_DONE	RA initiation done
(50A) (50B)	UNSIGNED UNSIGNED	1 1	TCTVPRB3 TCTVPRB4	Byte 3 of Per. Sess flags Byte 4 of Per. Sess flags
Pe	rsistent sessions rel	ated fields		
(50C)	FULLWORD	4	TCTV_PRSS_CHUNK	Per. Sess. NIBLIST size
(510)	FULLWORD	4	TCTV_PRSS_ INQUIRE_THRESHOLD	
(514)	FULLWORD	4	TCTV_PRSS_	NIBs for CO TCB
(314)	TOLEWORD	4	UNBIND_THRESHOLD	
(518)	BITSTRING	8	TCTV_ZCNIBLST_ TOKEN	NIBS FOR ZGUB CO
				Subpool token - Per. Sess.@LFA ZGRP finished
(520) (524)	FULLWORD FULLWORD	4 4	TCTV_ZGRP_ FIN_ECB TCTV_PSDI	PSDI value in seconds
(528)	ADDRESS	4	TCTV_PRSS_ RPL_POOL_PTR	
				RPL Pool for Per. Sess.
(52C)	ADDRESS	4	TCTV_PRSS_ UNBIND_RPLS_PTR	
(E20)	ADDRESS	4	TOTY FIRST NIDLIST DTD	RPL pool within above
(530)			TCTV_FIRST_ NIBLIST_PTR	First NIBLIST in chain
(534)	ADDRESS	4	TCTV_PRSS_ LNKTABLE_PTR	
				Per. Sessions LINK table
	rsistent sessions sta			
(538)	FULLWORD	4	TCTV_PRSS_ NIB_COUNT	Per. Sessions NIB cnt
(53C)	FULLWORD	4	TCTV_PRSS_	
			INQUIRE_COUNT	Per. Session INQUIREs issued.
(540)	FULLWORD	4	TCTV_PRSS_ OPNDST_COUNT	
(544)	FULLWORD			Per. Sessions OPNDSTed
(544)	FULLWORD	4	TCTV_PRSS_ UNBIND_COUNT	
(548)	FULLWORD	4	TCTV_PRSS_	Per. Sessions unbound
(5.5)			ERROR_COUNT	Dec Consistent already and
(54C)	ADDRESS	4	TCTV_NIB_ EXLST_PTR	Per. Sessions clsd ext TCTV3600 pointer
RA Sta	all dispatcher count			
(550)	FULLWORD	4	TCTV_RA_ STALL_COUNT	
	. Doint addresses			TCP dsps with stall
(554)	ADDRESS	4	TCTV_ZGTI	DFHZGTI entry point
(558)	ADDRESS	4	TCTV_ZGTA	DFHZGTA entry point
(55C)	ADDRESS	4	TCTV_ZGCH	DFHZGCH entry point
(560) (564)	ADDRESS ADDRESS	4 4	TCTV_ZGIN TCTV_ZCN2	DFHZGIN entry point DFHZCN2 entry point
(568)	ADDRESS	4	*	DFHZGxx entry point
(56C)	ADDRESS	4	*	DFHZGxx entry point
(570)	ADDRESS work area	4		DFHZGxx entry point
(574)	CHARACTER	8	TCTV_ZLGX_ SLUNAME	SLU/member name
(57C)	ADDRESS	4	TCTV_ZLGX_TOKEN	Nibsrch token
-	ved UDSS03 for ZL			
(580)	CHARACTER	8	TCTV_SAVE_GRNAME	Saved GR name
	session name bitmap	addresses 4	TOTV DT DITMAD	Pameta Tarminal names
(588) (58C)	ADDRESS ADDRESS	4	TCTV_RT_BITMAP TCTV_VIRTTERM_ BITMAP	Remote Terminal names
(590)	ADDRESS	4	TCTV_BRIDGE_ BITMAP	CICS Client term names Bridge facility names
(594)	ADDRESS	4	TCTV_BRIDGE_BITMAP	Console names
(598)	ADDRESS	4	TCTV_ZC_ ENQ_POOL_TOKEN	
			LING_FOOL_TOKEN	ZC ENQ Pool Token
(59C) (59E)	CHARACTER BITSTRING	2 1	* TCTV_GRQL	Reserved Fully qual. GR name lngth
(552)	2	•		,

Offset Hex	Туре	Len	Name (Dim)	Description
(59F)	CHARACTER	17 TCTV_GRQN		Fully qualified GR name
(5B0)	CHARACTER	8	TCTV_GRAN	Generic resource name
(5B8)	BITSTRING	1	TCTV_GRSTATUS	Generic resource status
(5B9)	CHARACTER	3	*	Reserved
(5BC)	ADDRESS	4	TCTV_ZGXA	DFHZGXA entry point
(5C0)	ADDRESS	4	TCTV_ZGPR	DFHZGPR entry point
<u> </u>	rminal Timeout (CESC	C) Static Stor		
(5C4)	CHARACTER	8	TCTV_CESC_TIME	Time at which CESC runs
(5CC)	UNSIGNED	1	TCTV_CESC_ FUNCTION	Func code passed to CESC
(5CD)	BITSTRING	1	TCTV CESC FLAGS	CESC flags
()	1	-	TCTV_CESC_ SCHEDULED	····g-
				CESC is scheduled
	.111 1111		*	Reserved
(5CE)	UNSIGNED	2	*	Reserved
Entry p	point addresses for Z0	C domain sub	proutines	
(5D0)	ADDRESS	4	TCTV_ZGBM	DFHZGBM entry point
(5D4)	ADDRESS	4	TCTV_ZGRP	DFHZGRP entry point
(5D4)	ADDRESS	4	TCTV_ZGSL	DFHZGSL entry point
(5DC)	ADDRESS	4	TCTV_ZGUB	DFHZGUB entry point
(5E0)	ADDRESS	4	TCTV_ZGCC	DFHZGCC entry point
(5E4)	ADDRESS	4	TCTV_ZGPC	DFHZGPC entry point
(5E8)	ADDRESS	4	TCTV_ZGDA	DFHZGDA entry point
(5EC)	ADDRESS	4	TCTV_ZGCN	DFHZGCN entry point
(5F0)	ADDRESS	4	TCTV_ZGCA	DFHZGCA entry point
(5F4)	ADDRESS	4	TCTV_ZGAI	DFHZGAI entry point
	Statistics.	-	1011_20/11	Di Nizora Ontry point
(550)	FULLWORD		TOTI LINIUM	Occurrent or a stilling
(5F8)	FULLWORD FULLWORD	4 4	TCTLUNUM TCTLUHWM	Current no of LUs HWM no of LUs
(5FC)	FULLWURD	4	TCTLUHWW	HWWW 110 OI LOS
	fields for Remote del			
(600)	FULLWORD	4	TCTV_IDLE_COUNT	Total reuse count
(604)	CHARACTER	8	TCTV_MAXIMUM_ IDLETIME	
(60C)	CHARACTER	8	TCTV_TOTAL_ IDLETIME	Max skeleton idle time
(600)	CHARACTER	0	TOTV_TOTAL_IDLETIME	Max total idle time
(614)	FULLWORD	4	TCTV REMDINT	Shipped delete interval
(614)	FULLWORD	4	TCTV_REMDINT	Shipped delete idle time
(61C)	FULLWORD	4	TCTV_KEMDIBLE TCTV_SKELETONS_ BUILT	Shipped delete idle time
(010)	TOLLWOND	4	TOTV_SKEELTONS_ BOILT	# of skeletons built
(620)	FULLWORD	4	TCTV_SKELETONS_	# Of Skeletons built
(020)	TOLLWOND	-	CURRENT	
			CORRENT	# of skeletons installed@DCA
(624)	FULLWORD	4	TCTV_SKELETONS_	" of skolotoria matallod @ 5071
(024)	TOLLWOND	-	DELETED	
				# deleted
(628)	FULLWORD	4	TCTV_FLAG_ DELETES	# times CRMF called
(62C)	FULLWORD	4	TCTV REMDELS IN	Remote deletes in
(630)	FULLWORD	4	TCTV REMDELS OUT	Remote deletes out
(634)	FULLWORD	4	TCTV_REMDEL_ DELETES	
/				Remote deletes out
(638)	CHARACTER		TCTPFXLN	Length of TCT PREFIX

Constants

Len	Type	Value	Name	Description	
1	HEX	70	TCTVLMPE	LMPEO+BUFFLST+USERRH flags	
1	HEX	00	TCTVSDNO	No shutdown in progress	
1	HEX	01	TCTVSDOP	Operator terminal Quiesce	
1	HEX	02	TCTVSDAI	ATI operator terminal quiesce	
1	HEX	03	TCTVSDIS	Inter system quiesce	
1	HEX	04	TCTVSDMT	Master terminal quiesce	
1	HEX	05	TCTVSDFN	Final quiesce all terminals	
1	HEX	40	TCTVECBC	ECB posted complete	
1	HEX	80	TCTVCCBC	CCB posted complete	
1	DECIMAL	4	TCTVRSAN	Number of save area stacks	
1	HEX	40	TCTVCPST	TC restart complete post bit	
1	DECIMAL	11	TCTV_RPL_NUMBER	Number of RPLs in Pers. Sessions pool CESC Function Codes	
1	DECIMAL	1	TCTV_CESC_	Terminal	
			TERM_TIMEOUT		
1	DECIMAL	2	TCTV_CESC_ XRF_TIMEOUT	XRF	
1	DECIMAL	3	TCTV_CESC_	Enable	
			ENABLE_TIMEOUT		
(Generic resource statu	us codes			
1	HEX	80	TCTV_GR_REGD		
	Registered as VTAM generic resource				
1	HEX	40	TCTV_GR_REGERR		
	Attempt to register fa	iiled			

Len 1	Type HEX	Value 20	Name TCTV_GR_NOTAVAIL	Description		
	Function not supp	orted				
1	HEX	08	TCTV_GR_DEREGD			
	Successfully deregistered from VTAM					
1	HEX	04	TCTV_GR_DEREGERR			
	Attempt to deregister failed					
1	HEX	02	TCTV_GR_NOTAPPL			
	Facility not required					
1	HEX	00	TCTV_GR_NOTREG			

TCTLE Terminal control table line entry

CONTROL BLOCK NAME = DFHTCTLS DESCRIPTIVE NAME = CICS Terminal Control Table Line Entry. FUNCTION = May be used by the Master Terminal module DFHEIQMT instead of DFHTCTLE. LIFETIME = STORAGE CLASS = LOCATION = INNER CONTROL BLOCKS = DEPENDENCIES = S/370 RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = DATA AREAS = CONTROL BLOCKS = GLOBAL VARIABLES (Macro pass) =

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	DFHTCTLE	
(0)	CHARACTER	4	TCTLEECB	event control block
(4)	CHARACTER	2	TCTLETOP	type of operation
(6)	UNSIGNED	2	TCTLEIOL	input / output data length
(8)	ADDRESS	4	TCTLEDCB	data control block address
(8)	ADDRESS	4	TCTLEDTF	D T F address
(C)	ADDRESS	4	TCTLEIOA	input / output area address
(10)	CHARACTER		*	BSAM OVERLAY
(10)	ADDRESS	4	TCTLEIOB	input/ ouput block address
(14)	ADDRESS	4	TCTLESID	BSAM input DCB address
(18)	ADDRESS	4	TCTLESOD	BSAM output DCB address
(10)	CHARACTER		*	GAM OVERLAY
(10)	CHARACTER	1	TCTLEEGC	length error or read error code
(11)	CHARACTER	1	*	•
(12)	CHARACTER	2	TCTLEGRC	residual count if length error
(14)	UNSIGNED	4	TCTLELGC	input / output data length
(18)	CHARACTER	4	*	
(1C)	UNSIGNED	1	TCTLEDGC	index to DEB table addr ptr
(1D)	CHARACTER	1	TCTLEGLR	lock option request
(1E)	CHARACTER	2	*	
(10)	CHARACTER		*	TCAM OVERLAY
(10)	CHARACTER	4	*	
(14)	ADDRESS	4	TCTLEOQ	output TCTLE address
(18)	CHARACTER	1	TCTLEFL	TCAM flags
	1		TCTLEFL1	POOL=YES specified
	.1		TCTLESNA	TCAM SNA
	1		TCTLEFL3	reserved
	1		TCTLEFL4	reserved
	1		TCTLEFL5	deact queue
(19)	CHARACTER	1	*	
(10)	CHARACTER		*	BTAM OVERLAY
(10)	CHARACTER	1	TCTLESM1	remote status message byte one
(11)	CHARACTER	1	TCTLESM2	remote status message byte two
(12)	UNSIGNED	2	TCTLETRC	residual count
(14)	CHARACTER	1	TCTLECC	command code
(15)	CHARACTER	3	TCTLETLA	terminal list address
(18)	CHARACTER	1	TCTLESF	status flags
(19)	CHARACTER	1	TCTLERLN	relative line number
(1A)	CHARACTER	1	TCTLERSP	response to addressing
(1B)	CHARACTER	1	TCTLELRC	response to VRC / LRC
(1C)	CHARACTER	1 1	TCTLETPO	TP - OP code
(1D)	CHARACTER	1 2	TCTLEES	error status
(1E)	CHARACTER	2	TCTLECSW	CSW status

Offset Hex	Туре	Len	Name (Dim)	Description
(20)	ADDRESS	4	TCTLEALP	current addressing list pointer
(24)	CHARACTER	3	*	reserved
(27)	CHARACTER	1	TCTLELRL	local terminal index
(28)	CHARACTER	2	*	reserved
(2A)	UNSIGNED	2	TCTLEOL	output length
(2C)	CHARACTER	4	TCTLEOA	ouput area
(30)	BITSTRING	1	TCTLESI	line status indicator
	1		TCTLESEP	error pending indicator
	.1		TCTLESAK	dial line acknowledgement
	1		TCTLESPO	line perm out of service
	1		TCTLESIR TCTLESLC	interruptable read initiated switched line connected
	1		TCTLESTR	terminal read initiated
	1.		TCTLESLI	line initiated
	1		TCTLESOS	line out of service
(31)	BITSTRING	1	TCTLEMI	multiple indicator byte
` ′	1		TCTLELPI	last line in pool indicator
	.1		TCTLEMWL	wrap list indicator
	1		TCTLETCM	access method is TCAM
	1		TCTLEMFP	first pool line indicator
	1		TCTLEMET	error task initiated indicator
	1		TCTLEATA	telecommunication access method
	1.		TCTLEAGA	local line
(22)	1	2	TCTLEASA	sequential access method
(32) (34)	UNSIGNED ADDRESS	2 4	TCTLEAL TCTLERA	input data area length input area address retention
(34)	CHARACTER	4	TCTLENP	number of polls issued
(3C)	UNSIGNED	4	TCTLEBC	bypass control counter
(40)	ADDRESS	4	TCTLEPLA	polling list address
(40)	BITSTRING	1	TCTLELF	line features
(- /	1		TCTLEFLO	read lock
	.1		TCTLEFWL	wrap list feature
	1		TCTLEFSC	station control feature
	1		TCTLEFCK	checking feature
	1		TCTLEFBR	buffer receive feature
	1		TCTLEFAP	auto poll feature
	1.		TCTLEFAC	auto call feature
(44)	1		TCTLEFAA	auto answer feature
(44) (48)	ADDRESS BITSTRING	4 1	TCTLETEA *	active term table entry address
(40)	1	ļ	*	
	.1		TCTLEPUI	purging data request indicator
	1		TCTLEDP2	term already connected purge
	1		TCTLEDP1	term out of service purge
TCI	I FDP1+TCTI FDP2 =	= TCTLEDP3	term in nopoll status purge	
	1111		*	
(49)	BITSTRING	1	TCTLECL	Line Class
(43)	1	•	TCTLELS	line scan indicator
	.11		*	ine countrialouter
	1		TCTLECBS	bisynchronous
	1111		*	
(4A)	CHARACTER	2	TCTLELE	number of transmission errors
(4C)	ADDRESS	4	TCTLEECA	line error chain address
(50)	UNSIGNED	1	TCTLELEC	line error count
(51)	CHARACTER	3	TCTLEPP	previous polling list pointer
(54)	ADDRESS	4	TCTLEPA	terminal pool address
(54) (58)	ADDRESS ADDRESS	4 4	TCTLEEA TCTLEETE	Line Entry ending address error terminal entry pointer
(5C)	CHARACTER	8	TCTLEBAA	bi-sync auxiliary area
(64)	CHARACTER	2	TCTLEBRA	bi-sync response I/O area
(66)	CHARACTER	1	TCTLEBTO	last bi-sync type of operation
(67)	BITSTRING	1	TCTLEBEI	bi-sync event indicators
(68)	BITSTRING	1	TCTLESBI	BSC line status
(69)	BITSTRING	1	TCTLEIBS	index byte savearea
(6A)	BITSTRING	1	TCTLERPS	rotational poll savearea
(6B)	BITSTRING	1	*	indicator byte
	11		*	Para ta consequents
	1 1 1111		TCTLEMLU *	line in use mask reserved
(6C)	UNSIGNED	2	TCTLESWL	3270 segment size
(6E)	CHARACTER	2	*	reserved
()	·	-		

TCTTE TCT terminal entry

CONTROL BLOCK NAME = DFHTCTTE
DESCRIPTIVE NAME = CICS TCT Terminal Entry Many assembler bit names are not included in this structure. E.G. The TCTEIGBF in 'OI TCTEIGBF,TCTEGBF' will be found under TCTEGBF and not TCTEIGBF. Old L0 to LZ removed to allow resuse of change flags. Old @L0 to @LZ have been changed to @I0 and @Iz. Use cruise on older releases if you need the original flag EXTENSIONS FOR THE DFHTCTTE DSECT TCTTETTE TCTTE BMS Extension Pointed to by TCTTETEA TCTTEPSE TCTTE Special Features Extension Pointed to by TCTTEPSA TCTTELUC TCTTE Extension for LUC Systems Pointed to by TCTTELUCX
TCTENIB TCTTE Extension for Nib Descriptor Pointed to by TCTENIBA PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface
TCTEAMIB TCTECIP TCTECSG1 TCTECSG2 TCTEDIP TCTEHACP
TCTELOS TCTENIBA TCTENNAM TCTERPLA TCTESEST TCTEVRC5 TCTEVRC6 TCTEVRC7 TCTEVRC8 TCTE2RY TCTTEAID TCTTECA TCTTECIA TCTTECIL TCTTEDA TCTTEDLM TCTTEEIA TCTTEIST TCTTENI TCTTENO TCTTEPCR TCTTEPGB TCTTEPGM TCTTETEA TCTTETC TCTTETI TCTTETP TCTTETS TCTTETT

Туре	Len	Name (Dim)	Description				
STRUCTURE	277	DFHTCTTE	Dummy Section				
CHARACTER CHARACTER	24 4	TCTE_TRACE_1 TCTTETI	TCTTE trace area 1 Terminal name				
MINAL TYPE CODES	;						
CHARACTER CHARACTER	1 1	TCTTETT TCTTETM	Terminal Type - see constants Terminal model number				
OPERATION CLASS CODES							
BITSTRING 1	1	TCTTECL *	Operation class				
.1 1 1 1		TCTTECAU TCTTESTI TCTTECBS TCTTECHC TCTTECV	AUDIO TERM INIT TASK BISYNCHRONOUS HARD COPY VIDEO				
			BATCH CONVERSATIONAL				
MINAL STATUS COD	ES						
CHARACTER 1	1	TCTTETS TCTTEATP TCTTESRO TCTTESPO TCTTESQC TCTTESNP TCTTESAT TCTTESTA TCTTESTA	Terminal status Dummy TCTTE for APT READ only Permanent OUT OF SERVICE Terminal QUIESCING RECEIVE only AUTO TRANSACTION initiate Terminal ATTENDED OUT OF SERVICE				
RATION DATA							
ADDRESS ADDRESS ADDRESS CHARACTER	4 4 4 4	TCTTESC TCTTEDA TCTTECA TCTE_TRANNUM	Address of first TIOA for any one task Address of TIOA Address of TIOA Address of TCA using this terminal, else 0 if no TCA is currently available Trannum of transaction running with this term facility				
E_TRACE_1_LEN En	d of TCTTE	E trace area 1					
ADDRESS BITSTRING BITSTRING 1 1 111	4 1 1	TCTTECIA TCTTECIL * TCTTEPCR TCTTERMC TCTTEPCW TCTTERMS TCTTERMI TCTTERMI TCTTERMT	Address of USER AREA Length of USER AREA Storage allocation PASSBOOK present on read WRITE resend message PASSBOOK present on WRITE Re-send message scheduled Re-send message control Re-send message transparent Re-send message queued				
	STRUCTURE MINAL DATA CONTR area (from TCTE_TR/ CHARACTER CHARAC	STRUCTURE 277 MINAL DATA CONTROL INFOR area (from TCTE_TRACE_1 to T CHARACTER 24 CHARACTER 4 MINAL TYPE CODES CHARACTER 1 CHARACTER 4 C	STRUCTURE				

Offset	Туре	Len	Name (Dim)	Description			
Hex	1		TCTTEEOD	End of DATASET			
	1		TCTEMOPU	Unattended mode			
	1		TCTTEOFC	End of file			
	1. 1		TCTRO2 TCTRO1	WRITE break occurred READ attention occurred			
(1E)	CHARACTER	1	TCTTEURC	User return code			
(1F)	BITSTRING	1	TCTTEFX	TRANSPARENCY feature flag			
	1		TCTTEFXF	TRANSPARENCY present			
	.1		TCTTE32T TCTTETOT	3270 TRANSPARENCY TC obtained TRANSP TIOA			
	1		TCTTETW	TRANSP WRITE required			
(20)	ADDRESS	4	TCTTERVT	Address			
(20)	FULLWORD	4	TCTTEDES	TCAM destination name			
(24) (24)	CHARACTER CHARACTER	1 1	TCTTERC TCTTETCM	(Packed decimal) TCAM OPTCD flag			
			TOTTETOW	I CAN OF ICD lidy			
	OPERATOR DATA CONTROL INFORMATION						
(25)	CHARACTER	3	TCTTEOI	Operator identification			
(28) (2B)	CHARACTER UNSIGNED	3 1	TCTTENLI TCTTEOP	National Language in use Operator priority			
			TOTTLOT	Operator phoney			
	AM FMH BUILD AREA						
(2C) (2C)	CHARACTER BITSTRING	2 1	TCTEFMH1 TCTEVTC	FMH area for 3600 DEVICES Type code name definition			
(20)	1111	'	TCTEVTCT	Logical device code			
	1		*	9			
	1		TCTEOFP	OUTPUT format PARM present			
	1. 1		TCTEFP	INPUT format PARM present FORMS parameter present type code STRG ALLOC			
(2D)	BITSTRING	1	TCTEFPP *	FORMS parameter present type code STRG ALLOC			
(2D)	BITSTRING	1	TCTEVLDC	Logical device code			
DAT	TA STREAM TYPE						
(2E)	BITSTRING	1	TCTETDST	DATA STREAM type byte			
(/	1		TCTESCSB	SCS basic DATASTREAM indicator (GRAPHICS + NL)			
	.1		*				
	1		*				
	1		TCTEAIDP	AID present in TCTTE			
	1		TCTEASC7	ASCII-7 indicator			
	1.		TCTEASC8	ASCII-8 indicator			
	1		TCTETTSI	3270 DATA STREAM indicator			
	ON CHARACTERIST						
(2F)	CHARACTER	1	TCTEILUC	LUC SESSION indicator			
(2F)	BITSTRING 1	1	TCTESEST TCTESLGI	TCTTE SESSION status 1=CICS SIMLOGON OK (INTLOG) 0=CICS SIMLOG not allowed (NO INTLOG)			
	.1		TCTESLGT	Remember INTLOG value			
	1		TCTEACT	This is an APPC terminal			
	1 1		TCTESOPR TCTELUC	Operative This is an LUC expression			
	1		TCTEFPX	FAST PATH XFORMER in use			
	1.		TCTEFCTK	FC Token allowed			
	1		TCTE_CLONE	APPC clone			
	RMINAL DEPENDEN		' AREA				
	e following field is ove TE3270 : 3270 Defini						
	TE2980 : 2980 Defini						
TC	TETLX : TLX Discon	nect Messag					
	TE3600 : 3600 Binar		us Definitions				
-	TEOS : OS Console CHARACTER	- ' '	TOTTETDO				
(30)		12	TCTTETDO				
	270 DEFINITIONS erminal Dependent Ov	erlav					
(30)	CHARACTER	12	TCTE3270	3270 definitions			
(30)	HALFWORD	2	TCTTECAD	CURSOR address of BINARY			
(32)	BITSTRING	1	TCTTEAID	ATTENTION identifier			
(33)	BITSTRING	1	TCTTEFIB	Terminal feature flag byte			
	1 .1		TCTTEFSP TCTTELPR	SELECTOR PEN LOCAL PRINT function			
	1		TCTTEFDK	DUAL case keyboard			
	1		TCTTEFTU	UPPER case TRANSLATE			
	1		TCTTEFCV	COPY valid			
	1 1.		TCTTEFAA TCTTEFP7	AUDIBLE ALARM Print eligible printer			
	1		TCTTEFPA	Model 3 printer adapter			
(34)	CHARACTER	8	TCTTELUN	LUNAME in CLSDST PASS			
(34)	UNSIGNED	1	TCTEDMYE	dummy overlay - error cde			
(35)	CHARACTER UNSIGNED	5 1	TCTEDMMN TCTEDMGC	dummy overlay - mod name dummy overlay - getmn rc			
(3A) (3B)	CHARACTER	1	*	dummy overlay - getmn rc dummy overlay - reserved			
()				,			

Offset Hex	Туре	Len	Name (Dim)	Description	
	0 DEFINITIONS minal Dependent Ove	erlay			
(30)	CHARACTER	5	TCTE2980	2980 definitions	
(30)	BITSTRING	1	TCTTEBAA	2980 alternate address	
(31) (32)	BITSTRING BITSTRING	1 1	TCTTENSA TCTTESID	2980 normal address 2980 station ID	
(33)	BITSTRING	1	TCTTETAB	2980 TAB factor	
(34)	BITSTRING	1	TCTTETID	2980 Model 4 TELLER ID	
	DISCONNECT MES				
(30)	CHARACTER ADDRESS	4 4	TCTETLX TCTTETLM	TLX definitions TLX disconnect MSG addr	
3600 BINARY SYNCHRONOUS DEFINITIONS Terminal Dependent Overlay					
(30)	CHARACTER	12	TCTE3600	3600 definitions	
(30)	CHARACTER	8	TCTTERIN	Resend message user data	
(38)	BITSTRING 1	1	TCTTEDLM TCTTECEX	End of input delimiter Input ended with ETX	
	.1		TCTTECEB	Input ended with ETB	
	1		TCTTECIS	Input ended with IRS	
	1		TCTTECSO	Ignored	
(39)	1 CHARACTER	3	TCTTECTR *	Transparent input	
0	S CONSOLE SUPPO	RT			
(30)	CHARACTER	12	TCTEOS	OS definitions	
(30)	ADDRESS	4	TCTTECCE	Console control element	
,	1		TCTTEPL	Error console	
(30)	BITSTRING	3	*	Reserved	
(34) (38)	FULLWORD FULLWORD	4 4	TCTTEMID TCTTECNI	message identification Console identification	
	AM DEFINITIONS	-	10112011	CONSOLO INCININGUIGIT	
			TOTTE VDA	A	
(3C) (3C)	CHARACTER CHARACTER	4	TCTTEVDA TCTESIDI	Area Data	
(40)	CHARACTER	4	TCTESIDO	Data	
(44)	CHARACTER	3	TCTTECRE	Extension	
NC	TE: X'80' is restricted manipulations in CO		arithmetic		
(44)	BITSTRING 1	1	TCTEUSE1	Byte storage allocation restricted due to COBOL arith	
	.1		TCTEFMH	FMH received test mask	
	1		TCTEEOC	EOC,OC received test mask	
	1		TCTEASE TCTESIG	SESSION Error notified SIGNAL received test mask	
	1		TCTEUFRT	Free the TCTTE(EB received)	
	1.		TCTEUCOM	User should SYNC POINT now	
(45)	1		TCTERCDI	REQCD condition	
(45) (46)	BITSTRING BITSTRING	1 1	TCTETXTF	3270 TEXT feature flag byte	
(40)	1	'	TCTE327E	3270 Extended range	
	.1		TCTEAPTX	APL TEXT feature	
	1		TCTETXKB	TEXT keyboard	
	1		TCTEAPKB TCTETXPR	APL keyboard 3288 TEXTPRINT	
	1		TCTETXT6	KATAKANA	
	1.		TCTETXT7	Reserved	
	1	_	TCTETXT8	Reserved	
	0 SIZE DEFINITIONS				
(47)	BITSTRING	1	TCTEWA	3270 size flags	
	1 .1		TCTEWA TCTEALW	Alternate size can be used Alternate size is in use	
	1		TCTELEWA	Alternate size used last	
	1		TCTEEWN	EW/EWA needed next	
	1		*	3270 - Reserved	
	1		TCTTE_ROUTABLE_ START	Routable START	
The fo	llowing 2 BIT definition	ons are for TF	RANSACTION ROUTING use	Noticolo OTAIN	
	1.	010 101 11	TCTECRTF	Caller is running the first transaction of a ROUTING SESSION	
	1		TCTECERT	Caller is running the first transaction of a ROOTING SESSION Caller is running an EXPLICIT ROUTING SESSION	
(48)	HALFWORD	2	TCTEDSCZ	3270 default screen size	
(4A)	UNSIGNED	1	TCTEDSCL	3270 default size rows	
(4B)	UNSIGNED	1	TCTEASCZ	3270 default size columns	
(4C) (4E)	HALFWORD UNSIGNED	2 1	TCTEASCZ TCTEASCL	3270 alternate screen size 3270 alternate size rows	
(4F)	UNSIGNED	1	TCTEASCC	3270 alternate size columns	

Offset Hex	Туре	Len	Name (Dim)	Description
327	0 EXTENDED FEA	ATURES		
(50)	BITSTRING	1	TCTE32EF	3270 extended features
, ,	1		TCTTEEDS	EXT DATA STREAM supported
	.1		TCTTECOL	COLOUR supported
	1		TCTTEPSS TCTTEHIL	PSS supported HILIGHT supported
	1		TCTTEVAL	VALIDATION supported
	1		TCTTEPRN	PARTITIONS supported
	1.		TCTTEMSR	MSR CONTROL supported
(51)	BITSTRING 1	1	TCTE32E2 TCTTEFRL	3270 extended features #2
	.1		TCTTEMIX	Field OUTLINING supported MIXED field supported
	1		TCTTEBTR	Background transparency
	1 11		*	Reserved
	1.		TCTTERMP	Reply mode structured field in query reply
(52)	1 BITSTRING	1	TCTTESA TCTE32E3	Set Attribute supported. 3270 extented features
(32)	1	'	TCTTEQYA	QUERY always
	.1		TCTTEQYC	QUERY COLD-STARTS only
	1		TCTTEQYN	QUERY next LOGON
	1		TCTTEQYP *	QUERY pending
	nded User INFORM			
(53)	BITSTRING 1	1	TCTEUSE2 TCTEABP	Byte storage allocation
	.1		TCTEABP	ABEND is pending 0889 SENSE REC'D mask
	1		TCTEUCFM	User should CONFIRM now
	1		TCTEUSRB	User should ROLL BACK now
	1		TCTESRBR	ROLLBACK rec'd from other side
	1 1.		TCTEUNUL TCTEUSMD	No User data ID received User flag in SEND mode
	1		TCTEURCV	User flag in RECEIVE mode must issue a RECEIVE
(54)	CHARACTER	4	TCTTEUSE	End of User area
	STEM AREA STAR NERAL INFORMAT			
(54)	HALFWORD	2	TCTTETEL	Table entry length
(56)	HALFWORD	2	TCTTETEN	Terminal entry number
(58) (5C)	ADDRESS ADDRESS	4 4	TCTEDIBA TCTESNEX	Data interchange block address Addr of Signon Extension
(60)	CHARACTER	11	TCTESCUR	Security level
(60)	CHARACTER	4	*	,
(60)	UNSIGNED	2	TCTECSG1	CGCSGID-1
(62) (64)	UNSIGNED BITSTRING	2 1	TCTECSG2 TCTESCFL	CGCSGID-2
(04)	1	'	TCTEGNXT	Security flag byte GNTRAN next transid
	.1		*	Reserved
	1		TCTETOBF	Timeout BID failed
	1 1		TCTESCFM	Preset signon error field
	1		TCTESCST TCTESCLG	Timeout SIGN-OFF is allowed SIGNOFF = LOGOFF
	1.		TCTESTAR	Trans Access Revoked
	1		TCTESCTO	Timeout signoff required
(65)	CHARACTER	4	TCTEELGM	A(EXTRACTED LOGON DATA)
(69)	BITSTRING 1	1	TCTEMROS	Shippable definition
	.1		TCTEMROP	Ship done to someone
	1		TCTTETMC	TMP action taken for TCTE
	1		TCTESKSH	Save on restart dataset that definition shipped
	1		TCTENTA TCTEIRFR	Notify received. TEDA->TIOA is free for reuse
	1.		TCTERMDL	Remdel scheduled
	1		TCTTETSC	TMP action taken for TCSE
(6A)	BITSTRING	1	TCTEANDX	SNA-ASCII direction indicator
	1111 1		* TCTES7TX	Reserved S/7 no RETRANSLATE indicator
	1.		TCTEASCO	Output (EBCDIC to ASCII)
	1		TCTEASCI	Input (ASCII to EBCDIC)
(6B)	BITSTRING	1	TCTEUCTB	Index for translate table
(6C) (6C)	ADDRESS ADDRESS	4 4	TCTENIBA TCTTERLA	Address of NIB descriptor Address of RELAY LINK TCTTE, if this TCTTE is a SURROGATE.
(6C)	ADDRESS	4	TCTTETA	The physical address and terminal device for the write MACRO instruction
(6C)	BITSTRING	1	TCTTEGU	Relative line number
(70)	ADDRESS	4	TCTTESKA	Address of SKELETON TCTTE, if this TCTTE is a SURROGATE.
(70)	ADDRESS	4	TCTERPLA	RPL address
(70) (74)	ADDRESS ADDRESS	4 4	TCTTELEA TCTTERST	LINE ENTRY address Addr of tran restart Extn
(74)	ADDRESS	4	TCTTETEA	Address of BMS extension
(7C)	CHARACTER	4	TCTTETC	Terminal transaction code
(80)	ADDRESS	4	TCTEEILR	A(EIP'S last held TIOA)
(84)	ADDRESS	4 4	TCTEEIEX	A(EXEC terminal CB ETCB) Address of SURPOGATE TOTTE if this TOTTE's a RELAY LINK
(84) (88)	ADDRESS ADDRESS	4	TCTTESUA TCTTEEIA	Address of SURROGATE TCTTE if this TCTTE's a RELAY LINK Exec interface PARM addr
(8C)	ADDRESS	4	TCTTEUCN	ISC User ownership chain

Offset Hex	Туре	Len	Name (Dim)	Description
(90)	ADDRESS	4	TCTTEIST	ISC INTERSYSTEM table address
(94)	BITSTRING	1	TCTTEEDF	EDF debug mode
(95)	CHARACTER	1	TCTEMRST	MRO/LU6.1 Apl State-cur
(96)	CHARACTER	1	TCTEMRSV	MRO/LU6.1 Apl State-prev
(97)	CHARACTER 1111	1	TCTEMRSX	MRO/LU6.1 Indicators
	1		TCTENNQI	IMS Session Indicator
	.111		*	Reserved
	1111		TCTTEDII2	DYNAMIC INSTALL flags
	111.		*	Reserved
	1		TCTEDAB	Autoinstall delete abend
(98)	BITSTRING	1	TCTTEDII	DYNAMIC INSTALL indicators. *
	1 .1		TCTTEDAP TCTTEDDP	Pending DYNAMIC ADD
	1		TCTPNDOS	Requires deleting Pending INSERVICE
	1		TCTPNDNP	Pending TTI i.e. RECEIVEONLY *
	1		TCTPNDAT	Pending ATI
	1		TCTPNDLG	Pending CREATESESS.
	1.		TCTPNDAC	Pending AUTOCONNECT
	1		TCTETRAN	Transient terminal
(99)	BITSTRING	1	*	DYNAMIC INSTALL indicatorS-2 *
	1		TCTEDELP	AUTOINSTALL ZACT has issued INITIATE
	.1		TCTEDELQ	AUTOINSTALL delete after a restart
	1		TCTELUSM	Special LUS 1st session
	1		TCTENDEL TCTEXDEL	AUTOINSTALL do not delete on if ZCLX or ZNSP run and action=simlogon
	1		TCTECLG	CLSDST & LOGON in progress
	1.		TCTEPSN	Awaiting CLSDST PASS notification
	1		TCTEDZIP	CATD delete in progress
(9A)	CHARACTER	4	TCTEXTOK	ZXQO token
(9E)	HALFWORD	2	TCTEEIDL	Length of residual data
(A0)	HALFWORD	2	TCTTECCU	Physical hardware address
(A2)	CHARACTER	1	TCTESONS	SON code for SCIP
Terr	minal read timeout VALI	JE		
(A3)	BITSTRING	1	TCTETRTO	Read timeout value
(A4)	BITSTRING	1	TCTTESCV	Storage violation count
		o to rocore		
link	te is used by surrogate	s to record	the state of the relay	
(A5)	CHARACTER	1	TCTE_RELAY_	
	1		LINK_STATUS *	reserved bit 0
	.1		*	reserved bit 1
	1		*	reserved bit 2
	1		*	reserved bit 3
	1		*	reserved bit 4
	1		TCTE_RECOV_	
			STATUS_DEFERRED	
			TOTE DELAY	No recovery status yet
	1.		TCTE_RELAY_	
			LINK_ACTIVE	Polav link is active
	1		TCTE RELAY	Relay link is active
			LINK_ASSIGNED	
			2 100.0.123	Relay link is assigned
(A6)	HALFWORD	2	TCTTEREC	Last record NBR written
The	e following field is overla	aved by:		
	TTEZ1 : NON-VTAM sta			
	TTEZ2 : PIPELINE stati			
TC	TTEZ3 : Session Specif	ic fields fo	r Function Shipping	
(A8)	CHARACTER	8	TCTTEZ0	
	ON - VTAM Status fields			
(A8)	CHARACTER	8	TCTTEZ1	NON-VTAM status fields
(A8)	FULLWORD	4	TCTTELDI	Bypass control counter (Tarminal Arma in CARD READER on LINE RRINTER)
(AC)	HALFWORD	2	TCTTERRO	(Terminal type is CARD READER or LINE PRINTER)
(AE) (AF)	BITSTRING UNSIGNED	1 1	TCTTEPRC *	Event (terminal type if SYSTEM/7 support NON-VTAM Reserved
		- 1		HACHA-A I WINI I VESEI AER
PIP	ELINE Statistics			
(A8)	CHARACTER	8	TCTTEZ2	PIPELINE statistics
(A8)	HALFWORD	2	TCTETCNT	Total throw-away count
(AA)	HALFWORD	2	TCTESCNT	Number of times (consecutive throw-away count)
(AC)	HALFWORD	2	TCTECCNT	Current throw-away count
(AE)	HALFWORD	2	TCTEMCNT	Maximum throw-away count
Ses	sion Specific fields used	d for Funct	ion Shipping	
(A8)	CHARACTER	4	TCTTEZ3	Session only fields
(A8)	CHARACTER	4	TCTESERV	Current mirror transid
TER	RMINAL STATISTICS			
		A	TOTTENII	From this terminal (RINARY)
(B0) (B4)	FULLWORD FULLWORD	4 4	TCTTENI TCTTENO	From this terminal (BINARY) To this terminal (BINARY)
(B4) (B8)	CHARACTER	2	TCTEDVSC	VTAM short on storage (SOS)
(20)	0 VIOTEIX	-		an onon on oronago (555)

Offset	Туре	Len	Name (Dim)	Description
Hex (B8)	CHARACTER	2	TCTTETE	Number of transmission errors or IRC disconnect requests (BINARY)
	ERATOR STATISTICS			
(BA)	CHARACTER CHARACTER	4 2	TCTTEOT TCTTEOE	Number of transactions Number of transaction errors
(BE)	neral Bits		TCTTEOE	Number of transaction errors
(C0)	BITSTRING	1	*	
(00)	1111 1	'	*	
	1		TCTE_CONFDATA_ YES	Suppress user data
	1. 1		TCTEDIBS TCTTEGWI	DIB is inactive A GET WAIT has been issued *
TEI	RMINAL CONTROL IND	ICATORS	3	
(C1)	BITSTRING	1	TCTTETC1	Byte name definition
	1		TCTTECLT	Last terminal in group
	.1		TCTTECPF TCTTECUI	Compatible terminal Control unit OUT OF SERVICE
	1		TCTTEPOS	Control unit PERMANENTLY OUT OF SERVICE
	1		TCTTESUS	Task is suspended by ZC
	1		TCTTECTC	Terminal connected
	1. 1		TCTTECRS TCTTECSF	Skip terminal read Skip flag status indicator
(C2)	BITSTRING	1	TCTTEIO	Internal operation req byte
OPE	ERATION STATUS			
	1		TCTTEONR	NEGATIVE response
	.1		TCTTEOAO	AUTO output message
	1		TCTTEOAT	AUTO output transaction
	1		TCTTECG TCTTEOGA	Conditional GETMAIN for read attention GRAPHIC attention indicator
	1		TCTTERPI	READ pending
	1		TCTTEOIC	TIME control transaction
	1. 1		TCTTEOTI TCTTEXAC	TASK to be initiated Transparent transaction
	1		TCTTESCW	SEGMENTED write
(C3)	BITSTRING	1	TCTTEIO2	Byte 2 name definition
	1		TCTTECAI *	Permanent transaction code
	.1		*	
	1		*	reserved
	1		TCTERORT	Initiate restart task
	1		TCTERORN TCTEROCS	Notify terminal Restart for CICS LOGON
			TCTEROS	Restart to SIMLOGON
ACC	CESS METHOD FLAGS			
(C4)	BITSTRING	1	TCTEAMIB	Access method flags
	ERATION REQUESTS			
(C5)	BITSTRING 1	1	TCTTEOS	External operation request
	.1		TCTTEOER TCTTEOSS	Erase Save terminal storage
	1		TCTTEOLA	Line addressing request
	1		TCTTEORR	Read
	1		TCTTEODR TCTTEOSR	Disconnect Wait
	1.		TCTTECVS	Converse
	1		TCTTEOWR	Write
	ERATION MODIFIERS			
(C6)	BITSTRING	1	TCTTECS	External control request
	1 .1		TCTTERBI TCTTEEUI	Read buffer Erase all unprotected
	1		TCTTEOWL	Write lock
	1		TCTTEORL	Read lock
	1		TCTTECYI TCTTERPR	Сору
	1.		TCTTETRM	Transparent mode
	1.		TCTTENTR	No translate
	1		TCTTEPBM TCTTETRY	PSEUDO-BINARY mode BISYNCH transparency
(C7)	BITSTRING	1	TCTTEOC	Byte 2 storage allocation
()	1	-	TCTEDRR	Write with DEF RESP requested *
	.1		TCTTETWW	TCAM write WORK flag
	1		TCTRA2 TCTRA1	Write BREAK analysis request Read ATTN analysis request
	1		TCTTECBW	COMMON BUFFER request
	1		TCTTEPBK	PASSBOOK request
	1.		TCTTEWC	END OF FILE request
(C8)	1 BITSTRING	1	TCTTEWCI TCTEOCB	Control char supplied Byte 3 storage allocation
()	1	-	TCTEFRC	Write with FORCE=YES
	.1		TCTEWSR	Wait until SIGNAL received
	1		TCTELMP TCTEFPD	LDC mnemonic present FMH provided with data
	-		- -	• • • • • • • • • • • • • • • • • • • •

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCTELST	LAST write from task
	1		TCTEORAS TCTEORSY	IMMED option DELAY option
(C9)	BITSTRING	1	TCTEIKPC	Byte 4 storage allocation
()	1		*	Reserved
	.1		*	Reserved
	1		TCTESFU	SPP ISSUE TC free at USR SP
	1		TCTESFR *	SPP ISSUE TC free if RSTRT
	1		TCTEPH1	SYNCPOINT PHASE 1 done
	1.		TCTEPH2	SYNCPOINT PHASE 2 done
(CA)	BITSTRING	1	TCTEOC3	Byte 5 storage allocation
	1		TCTENEC *	Write with CCOMPL=NO
	.1		TCTEHDA	User handles all conditions
	1		TCTTECND	COND request
	1		TCTECND	COND request
	1		TCTTEOWS	Write structured field
	1		TCTTETTO	TRANSP TIOA obtained
	1		TCTEDWP TCTTEDWR	Defer requested Defer requested
	1.		TCTTEINV	Invite requested
	1		TCTEDRD	Defer load
(CB)	BITSTRING	1	TCTEOC4	Byte 6 storage allocation
	1 .1		*	
	1		*	
	1		*	
	1		*	
	1		TCTEBYPQ	Byp quiesce for PASS
	1		TCTENOA TCTEINN	NOABEND requested TERMERR flag byte
(CC)	BITSTRING	1	TCTETSU	TCTTE terminal sharing use
	1		TCTESUR	Used as a SURROGATE
	.1		TCTERLX	Used as a RELAY LINK on transaction side
	1		TCTERLT TCTETRT	Used as a RELAY LINK on terminal side Used as terminal for remote transaction
	1		TCTEMDL	Is a model TCTTE
	1		TCTERTNT	TCTTE nominated transaction to be routed
	1.		TCTERTE	Running routing transaction (CRTE)
(CD)	1 BITSTRING	1	TCTEERT TCTEERAF	Running under an explicit 3270 Error MSG flags ROUTING SESSION
(OD)	1		TCTEERAL	Error MSGS on last line
	.1		TCTEERAI	Intensify 3270 error MSGS
	1		TCTEPROP	Propagate abend towards TOR
(CE) (CF)	BITSTRING BITSTRING	1 1	TCTEERAH TCTEERAC	3270 Error MSG HILIGHT ATTR 3270 Error MSG COLOR ATTR
(D0)	CHARACTER	4	TCTESYID	SYSID of transaction owning system
(D4)	BITSTRING	1	TCTETSU2	Terminal sharing usage
	1		TCTESPRR	SYNC POINT must be sent to terminal owning system
	.1		TCTERTEC TCTTEMBI	ROUTING SESSION cancelled if this is a surrogate: model owns BIND-IMAGE
	1		TCTTEMND	model owns NIB-DESCRIPTOR
	1		*	RESERVED
	1		*	RESERVED
(DE)	11		*	RESERVED
(D5)	BITSTRING 1	1	TCTETSU3 TCTTEUIP	General bits Limited update-in-place
	.1		TCTECDSY	SAVED TCTECDSV if on
	1		TCTEUCTR	Translate TRANID to U/C
	1		TCTE_STORAGE_ FREEZE	
	1		TCTTESRE	Indicates when all terminal storage should be retained@NBC scheduled RESETSR
	1		TCTELXS	Logon crossed simlog
	1.		TCTEOPSE	TCTTEOI value set by SET TERM OPERID
	1		TCTEDTR	Dyn Router requires abend notification
(D6)	UNSIGNED	2 1	TCTTERTK	RTT entry key
(D8) (D9)	UNSIGNED CHARACTER	1	TCTTEEN TCTTETP	POLL list entry number Terminal priority
(DA)	BITSTRING	1	*	Trace bits
	1		TCTETRX	Exit trace active
	.1		TCTETRS	Standard or special trace OFF = STAN, ON = SPECIAL
(DB)	11 1111 UNSIGNED	1	* TCTENLS	Trace - Reserved National Lang. Supp. code
(DC)	ADDRESS	4	TCTECELP	Address of CEL parmlist passed from CICS to CEL at Run Unit Init
(E0)	CHARACTER	8	TCTTE_START_ DATA_ID	
(Fa)	4000000		TOTTE OT 1 DT	Start data id
(E0)	ADDRESS	4	TCTTE_START_ DATA_ADDRESS	
			DATA_ADDIAEOU	Data on session
(E4)	BITSTRING	1	TCTTE_START_	
			DATA_FLAGS	Start flore
	1		TCTTE_START_	Start flags
			DATA_HEADER	
				Header in data

Offset Hex	Туре	Len	Name (Dim)	Description		
	.1 11 1111		TCTTE_START_ DATA *	Just data Reserved		
(E5) (E8)	CHARACTER HALFWORD	3 2	* TCTTE_START_ DATA_LEN	Reserved		
(EA)	CHARACTER	6	TCTE_RES_SA	Start data length Reserved		
	ne following field is over		TOTE_RES_SA	IVESELAER		
TC	CTTEX1 : Bisynchrono CTETCM1 : TCAM Are	us Data				
(F0)	CHARACTER	12	TCTTEX0	SNA System Area		
	SYNCHRONOUS DAT					
(F0) (F0)	CHARACTER CHARACTER	12 4	TCTTEX1 TCTTEBSB	BISYNCH data BISYNCH data begin addr		
(F0)	HALFWORD	2	TCTTEBDL	BISYNCH data area length		
(F2)	BITSTRING 1	1	TCTTEBES TCTTEBAB	BISYNCH Event flags Terminal ANSWER BACK indicator.		
	.1		TCTTEBAB	Read or write abort		
	1		*			
	1		* TCTTEBUB	User deblocking		
	1		TCTTEBBI	Blocked input		
	1.		*			
(F3)	1 BITSTRING	1	TCTTEBIB *	Incomplete batch Reserved		
(F4)	ADDRESS	4	TCTTEPDA	Area		
(F8)	ADDRESS	4	TCTTEBIA	Blocked input record addr		
(FC)	CHARACTER		TCTTEBEA	Address		
	AM AREA (OS)					
(F0) (F0)	CHARACTER HALFWORD	12 2	TCTETCM1 TCTTETML	TCAM area Minimum length TIOA TCAM		
(F2)	BITSTRING	1	*	TCAM SNA flags		
	1		TCTETME	EB still to do for task		
(F3)	.1 BITSTRING	1	TCTETMD TCTETCM2	DUMMY write to perform Reserved TCAM		
(F4)	CHARACTER	8	TCTTETQN	TCAM QUEUE name		
(FC)	CHARACTER		TCTEGET6	Length for OS CONSOLE		
Th TC TC	EXTENSION OVERLAY AREA The following field is overlayed by: TCTTEY1: 2980 Control Extension TCTTEY2: 3270 Display Data TCTTEY3: 3735 Extension Area TCTTEY5: 3600 Binary Synchronous Extension Area					
(FC)	CHARACTER	25	TCTTETDE	Term Dep Ext Overlay area		
	30 CONTROL EXTEN					
	minal dependent exte					
(FC) (FC)	CHARACTER BITSTRING	2 1	TCTTEY1 TCTTEFLG	2980 control ext. 2980 control flags		
(10)	1		*	2900 Control hags		
	.1 1		TCTTEWKF	Work factor		
	1		TCTTEB96	Buffer expansion		
	1		TCTTESEG	SEGMENTED write		
	1		TCTTEPBI TCTTEAAI	PASSBOOK inserted on POLL Station address in use		
	1		TCTTEXLT	Data translate		
(FD)	BITSTRING	1	TCTTETTV *	VECTOR		
	.1		*			
	1		TCTTESCN	2980 SHIFT CHARACTER SCAN		
	1		*			
	1		TCTTETM4	2980 model 4 test		
	1.		TCTTETM2	2980 model 2 test		
	1		TCTTETM1	2980 model 1 test		
	70 DISPLAY DATA minal dependent exte	nsion overlay	/ area			
(FC)	CHARACTER	25	TCTTEPPA	3270 display area		
(FC) (100)	ADDRESS HALFWORD	4 2	TCTTEBDA TCTTELSV	Blocking data area addr Retention		
(102)	BITSTRING	1	TCTTEDOC	Byte 1 Storage Allocation		
	1		TCTTE3SR	3270 save request		
	.1		TCTTEPRI TCTTEPBF	Printer running Printer read buffer		
	1		TCTTEPDI	Printer data		
	1		TCTTECH	COPY/PRINT		
	1 1.		TCTTECRI TCTTESBI	COPY/PRINT running Print save buffer		
(103)	BITSTRING	1	TCTTEWCS	Save area		
(104)	BITSTRING	1	TCTTEDOS	Byte 2 storage allocation		

Offset Hex	Туре	Len	Name (Dim)	Description				
	1		TCTTEDBI	Device BUSY				
	.1		TCTTEPSI	Pending status message				
	1		TCTTERLI	Read length saved				
	1		TCTTEICI	Incomplete message				
	1		TCTTERKI	Keyboard				
	1		TCTTEWLI	Write length saved				
	1.		TCTTEIRF	INTERVENTION required				
	1		TCTTEPIP	Print in progress				
	3270 SEGMENTED WRITE AREA							
(105)	BITSTRING 1	1	TCTE32SW TCTE32WI	SEGMENTED write flag byte SEGMENTED write indicator				
(106)	CHARACTER	2	TCTE32RL	Len of remain SEG output				
(108)	CHARACTER	4	TCTE32RA	Addr of remain SEG output				
227	0 COMPATIBILITY A	DEA						
			TOTTEOTT					
(10C)	CHARACTER	1	TCTTECTM	Compatible terminal type				
(10D)	CHARACTER	1	TCTTECTM	Compatible terminal model				
(10E)	CHARACTER	1 1	TCTTERM	Real terminal type				
(10F) (110)	CHARACTER BITSTRING	1	TCTTERMN TCTTECSS	Real terminal model Compatible screen size				
(110)	1	'	TCTTEC33	6X40 240 2260				
	.1		TCTTEC24	12X40 480 2260				
	1		TCTTEC48	12X80 960 2260				
	1		TCTTEC30	15X64 960 2265				
	1		TCTTEC13	12X40 480 3270				
	1		TCTTEC12	24X80 1920 3270				
	1.		TCTTEFCP	FASTER 2260 compatible				
	1		TCTTECFB	FULLBUF mode				
(111)	BITSTRING	1	*	Reserved				
(111)	HALFWORD	2	TCTTECSM	SMI BINARY position				
(114)	BITSTRING	1	TCTTECFG	Compatibility flags				
(11-7)	1		TCTTECMF	Compatible mode				
	.1		TCTTESSF	SMI on screen				
	1		TCTTECPZ	Print				
	1		TCTTECTI	Compatible transaction in process				
	1		TCTTECT	Compatible transaction in control				
	1		TCTTECRC	Read conversion				
	1.		*					
	1		TCTTECDF	Convert data				
	85 EXTENSION AREA minal dependent exte		v area					
	CHARACTER	4	-	2705 automina avas				
(FC) (FC)	CHARACTER	1	TCTTEY3 TCTTEMCI	3735 extension area 3735 mode control flags				
(10)	1		*	3733 mode control hags				
	.1		TCTTEMIQ	INQUIRY mode				
	1		TCTTEMGI	GETMAIN				
	1		TCTTEMSF	ERROR status				
	1		TCTTEMEF	End of file				
	1		TCTTEMTC	Transmission complete				
	1.		TCTTEMBW	Batch mode - write				
	1		TCTTEMBR	Batch mode - read				
(FD)	CHARACTER	3	TCTTEDMP	Data retention area				
360		EVTENCIO	N ADEA					
	IARY SYNCRONOUS minal dependent exte							
(FC)	CHARACTER	15	TCTTEY5	3600 extension area				
(FC)	FULLWORD	4	TCTTEMTU	Message input				
(100)	ADDRESS	4	TCTTEMTO	Address input TIOA				
(100)	ADDRESS	4	TCTTENTI	User output TIOA address				
(104)	HALFWORD	2	TCTTEMLN	Input				
(108) (10A)	BITSTRING	1	TCTTEMEN	3600 BSC control flags				
(104)	1	'	TCTTEMWR	Write pending				
	.1		TCTTEMWK	Output segment built				
	1		TCTTEMSG	SEGMENTED write				
			LINIOO					

Offset Hex	Туре	Len	Name (Dim)	Description
(F3)	STRUCTURE	9	*	Overlay byte and TCAM Q name
(F3)	CHARACTER	3	TCTTESPA	POLL list header
(F6)	CHARACTER	2	TCTTESPC	Terminal Address
(F8)	CHARACTER	4	*	POLL list suffix

SNA SYSTEM AREA

START - STOP SPECIFIC POLL AREA

Offset Hex	Туре	Len	Name (Dim)	Description
(F0)	STRUCTURE	336	*	AREAS
(F0) (F0)	CHARACTER HALFWORD	4 2	TCTEVTSA TCTESOAL	VTAM system area start Terminal data length
(F2)	HALFWORD	2	TCTEGRS	Size of queued GETMAIN request
This	area (from TCTE_TF	RACE_3 to To	CTE_TRACE_3_LEN) is trace	ed
(F4)	CHARACTER	44	TCTE_TRACE_3	TCTTE trace area 3
SEN	ISE DATA			
(F4)	CHARACTER	8	TCTEVSSS	System sense and status area
(F4)	CHARACTER	4	TCTEVSDA	Sense area
(F4)	BITSTRING	1 1	TCTESS1 TCTESS2	Definition modifier system sense codes Definition
(F5) (F6)	BITSTRING BITSTRING	1	TCTEUS1	User sense byte 1
(F7)	BITSTRING	1	TCTEUS2	User sense byte 2
(F8) (F8)	CHARACTER BITSTRING	4 1	TCTEVNSS TCTENSS1	Node sense and status area * Node system sense byte 1
(F9)	BITSTRING	1	TCTENSS2	Node system sense byte 2
(FA)	BITSTRING	1	TCTENUS1	Node User sense byte 1
(FB)	BITSTRING	1 4	TCTENUS2 TCTESLNK	Node User sense byte 2
(FC) (FC)	ADDRESS ADDRESS	4	TCTENEXT	ISC system OWNERSHIP CHAIN * Address next TCTTE(session) *
(FC)	ADDRESS	4	TCTE_NEXT_	()
			APPC_SURROG	North DC ADDC aurea
(100)	CHARACTER	4	TCTETRND	Next PS APPC surrog ISC transaction ID
(104)	BITSTRING	1	*	Reserved
(105)	BITSTRING	1	TCTESPS	ISC SYNC POINT flags
	1		TCTESPSH TCTESPAB	ISC SHUNT received ISC ISSUE ABEND received
	1		TCTESPER	ISC ISSUE ERROR received
	1		TCTESPRB	ISC SYNC ROLLBACK received *
	1		TCTESPSS TCTESPID	ISC SYNC PT request sent ISC IN DOUBT indicator
	1.		TCTESPSR	received
	1		TCTESPPR	ISC PREPARE received
(106)	BITSTRING 1	1	TCTESPSA *	ADDITIONAL SYNC PT flags
	.1		TCTESPRP	Sent PREPARE
	1		TCTESPRC	Sent 'PREPARE INVITE'
	1		TCTESPRL TCTERPRC	Sent 'PREPARE REQUEST EB' Received 'PREPARE INVITE'
	1		TCTERPRL	Received 'PREPARE REQUEST EB'
SYNCH	H POINT status - not	PROTOCOL	. FLAGS, but AUW LIFETIME	
(107)	BITSTRING	1	TCTESPST	SYNC point status
()	1		*	
	.1		*	
	1		*	
	1		*	
	1		*	
	1		TCTESPUN	Session is known to not have done PROTECTED ACTIONS
(108)	BITSTRING	1	TCTESARB	
	1		*	Reserved Reserved
	.1		*	Reserved
	1		*	Reserved
	1		*	Reserved
The	next flag only used	if TCSEAR0I	I is on (new rules)	
	1		TCTESARR	State after Rollback flag On = go to Receive Off = go to Send
	1. 1		*	Reserved Reserved
(109)	BITSTRING	1	*	Reserved
(10A)	BITSTRING	1	*	Reserved
	1		TCTESABC TCTESABR	ABORT completely ABORT received
	1		TCTESABS	ABORT sent
	1		TCTESABP	ABORT pending
	1		*	
	1.		TCTEEMX	ERP MSG expected
(400)	1		TCTESER	Error processing state
(10B) (10C)	CHARACTER ADDRESS	1 4	TCTEATPN TCTEMII	Attached process memory MESSAGE INSERT information address
	T definitions in the fo			
	ments in BYTES 16			
(110)	CHARACTER	2	TCTEARC	Information
(110)	BITSTRING	1	TCTEARC1	Arch Info 1 X'80' and X'40' Reserved
	1		*	
	1		TCTESYSM	System message model
	1		TCTESCHM	SCHEDULER model

Offset Hex	Туре	Len	Name (Dim)	Description
i i cx	1		TCTEQM	QUEUE model
	1		TCTELFM	LINEAR FILE model
	1.		TCTEDL1M TCTEFDM	DL/1 model FILE DEFINITION model
(111)	BITSTRING	1	TCTEARC2	Arch Info 2
, ,	1		TCTEOPCM	OPERATOR CONTROL model Other bits reserved
(112)	BITSTRING	1	TCTEISC1	ISC flags
	1		TCTE1RY TCTE2RY	CICS is PRIMARY CICS is SECONDARY
	1		TCTEDYN	PRI/SEC is DYNAMIC
	1		*	
	1		TCTEWIN TCTELSE	LUC CONTENTION WINNER
	1		*	LUC CONTENTION LOSER
	1		TCTEBCL	BINDING as CONTENTION LOSER
(113)	BITSTRING	1	TCTENEPS	NEPCLASS static definition
(114) (114)	CHARACTER HALFWORD	2 2	TCTESQNS TCTESQIP	sequence number BUCKETS PHYSICAL INBOUND sequence number
(116)	HALFWORD	2	TCTESQOP	PHYSICAL OUTBOUND sequence number
(118)	HALFWORD	2	TCTESQIL	LOGICAL INBOUND sequence number
(11A)	HALFWORD	2	TCTESQOL	LOGICAL OUTBOUND sequence
(11C) (11E)	HALFWORD HALFWORD	2 2	TCTESQR1 TCTESQR2	OUR BB SEQ no sent HIS BB SEQ no sent
	TE_TRACE_3_LEN E			
AII	ACH REQUIRED FIE	LDS		
TA	SK REQUEST COLLI	ECTOR (1)		
(120)	BITSTRING	1	TCTETRC1	Byte 2 storage allocation
TA	SK REQUEST COLLI	ECTOR (2)		
(121)	BITSTRING	1	TCTETRC2	Byte 3 Storage Allocation
	1		*	
	1		*	
	1		TCTEOCC	OUTBOUND chain control
	1		ТСТЕМІ	Message INTEGRITY(POSITIVE response)
	1.		*	
(122)	1 BITSTRING	1	TCTEOWO TCTESUP1	ONE WRITE ONLY indicator
(122) (123)	BITSTRING	1	TCTESUP2	Required features (1) Required features (2)
(124)	BITSTRING	1	TCTENSP1	Unsupported features (1)
(125)	BITSTRING	1	TCTENSP2	Unsupported features (2)
(126)	CHARACTER	5	TCTEJINF	GROUP next 5 bytes together KCP uses TCTEJINF for copy from PCT
	NALLING & I/O definit - CONCATENATION		ng 2 fields by TCTEJINF)	
(126)	BITSTRING	1	TCTEJSA	JOURNALLING and I/O def
	1		TCTEFHA	All FMH'S to APPLN program
	1 .1		TCTEEXNO TCTEFHE	EXTRACT=NO EODS FMH'S to APPLN program
	.1		TCTEEXAT	EXTRACT=ATTACH
	1		TCTEAIO	ASYNCHRONOUS I/O
	1		TCTESIO	SYNCHRONOUS I/O
	1		TCTEFHD TCTELRQ	DFHDIP to process FMH Transaction requires logical record
	1.		TCTEIMJ	Automatic message JOURNALLING on INPUT
	1		TCTEOMJ	Automatic message JOURNALLING on OUTPUT
(127)	BITSTRING	1 1	TCTEODT2	EXTRACT options
(128)	BITSTRING 1	'	TCTEOPT2 TCTESRAQ	EXTRA options RAQ=YES specified
	.1		TCTETUCT	UC translate required
	1		*	
	1		*	
	1		*	
	1. 1		*	
(129)	BITSTRING	1	TCTEJID	JOURNALLING JOURNAL ID
(12A)	BITSTRING	1	TCTENEPC	Node error program class ID
end of	COPIED FIELDS from	m PCT		
(12B)	BITSTRING	1	*	AUD disabled 7010 decrease acaded
	1		TCTENBD TCTECRQ	NIB disabled - ZCLS cleanup needed Real CLSDST reqd
(12C)	CHARACTER	4	TCTEIRET	Access method RETCODE
(130)	CHARACTER	8	TCTENET	Applid of TOR
(130)	CHARACTER	8	TCTE_TITOKEN	token for remote delete
	inications Recovery S		<u> </u>	
(138)	CHARACTER	38	CR_STORAGE	
			ations Recovery Services storage	
(138)	CHARACTER	20	CR_COMMON_STG	

Offset Hex	Туре	Len	Name (Dim)	Description				
Acces	Access method dependent Communications Recovery Services storage							
(14C)	CHARACTER	11	CR_OVERLAY_STG1					
(14C) (14E)	CHARACTER CHARACTER	2 9	*					
(145)	CHARACTER	6	CR OVERLAY STG2					
(15E)	CHARACTER	2	*	reserved				
(160)	CHARACTER	16	TCTE_RES_SNA	Reserved				
(170)	CHARACTER	4	TCTEACSA	Access method SPECIFIC OVERLAY part of SNA system area				
	AM SYSTEM AREA							
(170)	ADDRESS	4	TCTEFMSA	Address of area to be freed				
(174) (178)	ADDRESS ADDRESS	4 4	TCTEASRA TCTEHACP	ASYNCH TCP RESUME address ACTIVATE chain address				
(176) (17C)	FULLWORD	4	TCTECID	VTAM communications ID				
(180)	ADDRESS	4	TCTEVSSC	SYST SERVICE chain address				
(184)	HALFWORD	2	TCTELDCI	LDC index into lookup tbl				
(186)	BITSTRING	1	TCTEPRUS	PRIMARY RU SIZE				
(187) (188)	BITSTRING HALFWORD	1 2	TCTESRUS TCTESQOS	SECONDARY RU SIZE number				
(18A)	HALFWORD	2	TCTESQRP	Turnaround count field				
(18C)	HALFWORD	2	TCTESQSC	number				
(18E)	HALFWORD	2	TCTESQER	ERROR SEQUENCE number				
(190)	HALFWORD	2	TCTEOAL	Maximum allowable output				
(192)	HALFWORD HALFWORD	2 2	TCTECHMX TCTERUSZ	Maximum chain size				
(194) (196)	HALFWORD	2	TCTELROF	Maximum RU size Offset of next logical REC				
(198)	ADDRESS	4	TCTELRTA	Deblocking				
(19C)	ADDRESS	4	TCTELLDC	Local available LDC table				
(1A0)	FULLWORD	4	TCTEEIDA	EXIT ID TRACE area				
(1A0)	BITSTRING	1	TCTEEID0	EXIT ID capture area				
(1A1)	BITSTRING BITSTRING	1 1	TCTEEID1 TCTEEID2	EXIT ID 1 EXIT ID 2				
(1A2) (1A3)	CHARACTER	1	TCTEMDID	MODULE identifier				
(1A3)	BITSTRING	1	TCTEEID3	EXIT ID 3				
(1A4)	CHARACTER	4	TCTECDSV	A(TEDA) if change directio				
(1A4)	FULLWORD	4	TCTERCSV	Error save area				
This	area (from TCTE_TF	RACE_5 to T	CTE_TRACE_5_LEN) is traced					
(1A8)	CHARACTER	57	TCTE_TRACE_5	TCTTE trace area 5				
INT	ERNAL ERROR COL	DE AREA						
(1A8)	BITSTRING	8	TCTE_ZNAC_ ERRCODE	Group error codes				
(1A8)	BITSTRING	2	TCTEERI5	Internal error code 5				
(1A8)	BITSTRING	1	TCTEVRC5	Internal error code 5				
(1A9)	BITSTRING	1	TCTEMID5	Prog ID for error code 5				
(1AA) (1AA)	BITSTRING BITSTRING	2 1	TCTEERI6 TCTEVRC6	Internal error code 6 Internal error code 6				
(1AA) (1AB)	BITSTRING	1	TCTEMID6	Prog ID for error code 6				
(1AC)	BITSTRING	2	TCTEERI7	Internal error code 7				
(1AC)	BITSTRING	1	TCTEVRC7	Internal error code 7				
(1AD)	BITSTRING	1	TCTEMID7	Prog ID for error code 7				
(1AE) (1AE)	BITSTRING BITSTRING	2 1	TCTEERI8 TCTEVRC8	Internal error code 8 Internal error code 8				
(1AE)	BITSTRING	1	TCTEMID8	Prog ID for error code 8				
by the slots a	The following two internal error code slots are for use by the DFHZERRM TYPE=OVERFLOW_1 macro call only. These slots are used as an 'overflow' when the standard four internal slots all used up.							
(1B0)	BITSTRING	2	TCTEERI9	Internal error 9				
(1B0)	BITSTRING	1	TCTEVRC9	Internal error 9				
(1B1)	BITSTRING	1	TCTEMID9	Prog ID for error 9				
(1B2)	BITSTRING	2	TCTEERIA	Internal error 10 (A)				
(1B2)	BITSTRING	1	TCTEVRCA	Internal error 10 (A)				
(1B3)	BITSTRING	1	TCTEMIDA	Prog ID for error 10				
(1B4)	ADDRESS	4	TCTEAWEA	AWE address				
(1B4)	ADDRESS	4	TCTE_CTINDATA_ PTR	Pointer to CTIN data				
	TIVATE CHAIN REQI	IECTO		Tomes to offin data				
(1B8) (1B8)	CHARACTER BITSTRING	4 1	TCTEACR TCTEACR1	Activate request bytes Byte 1 storage allocation				
(100)	1		TCTECGR	GETMAIN				
	.1		TCTECFR	FREEMAIN				
	1		TCTECAT	ATTACH				
	1		TCTECRC	ASYNCH return of control				
	1		TCTECRR	RESUME PEOCH CONTROL				
	1		TCTERCS *	RECEIVE SPECIFIC Reserved				
	1		*	Reserved				
(1B9)	BITSTRING	1	TCTEACR2	Byte 2 storage allocation				
/	1		TCTECSS	SEND SYNC data flow				
	.1		TCTECSA	SEND ASYNCH commands				
	1		TCTECSC	SESSIONC				

Offset Hex	Туре	Len	Name (Dim)	Description			
	1		TCTECSR	SEND response			
	1		TCTECRS	RESETSR			
	1		TCTEBYP	Delay ACTIVATE SCAN of TCTTE			
	1.		TCTECXA	EXIT added			
			TCTECDT	DETACH			
(1BA)	BITSTRING	1	TCTEACR3	Byte 3 Storage Allocation			
	1		TCTECOR	OPNDST			
	.1		TCTECCT	CLSDST			
	1		TCTECTI	Automatic task initiate			
	1		TCTECSL	SIMLOGON			
	1		TCTECRY	RESYNCH			
	1		TCTECEA	NACP			
	1.		TCTEDEL	AUTOINSTALL activate scan primed for delete			
	1		TCTECKR	Send response to command			
(1BB)	BITSTRING	1	TCTEACR4	Byte 4 Storage Allocation			
	1		TCTETRA	TRACE ENTRY required			
	.1		TCTESDL	SEND SYNC LUTYPE 6.2			
	1		TCTERVL	RECEIVE SPEC LUTYPE 6.2			
	1		TCTEXRC	XRF Session state analys.			
	1111		*	ZACT reserved			
(1BC)	BITSTRING	1	TCTERIND	Internal error indicators			
	1		TCTERFB	VTAM FEEDBACK available			
	.1		TCTERLS	SEND required after LUS			
	1		TCTERLR	RECEIVE required after LUS			
	1		TCTESRV	REMEMBER user RECEIVE flag			
	1		TCTECDH	HARD SIGNAL RCD received			
	1		*	reserved			
	1.		TCTERDS	RECEIVE req'd after dvend			
	1		TCTERDR	SEND required after dvend			
(1BD)	BITSTRING	1	TCTEVPAC	V-PACING constant			
(1BE)	BITSTRING	1	*	reserved			
(1BF)	BITSTRING	1	TCTEVIR1	Byte 1 storage allocation			
PAC	CING AND RU COU	NT BYTES					
	VTAM INTERNAL REQUESTS						

VTAM INTERNAL REQUESTS for ZSDS ROUTINE

101 2	ZODO ROUTINE			
	1		TCTECHS	CHASE
	.1		TCTECNCL	CANCEL
	1		TCTEQCM	QUIESCE complete
	1		TCTECBD	BID
	1		TCTELUS	Logical unit status
	1		TCTESXC	SEND COMMAND EXCEPTION
	1.		TCTERTR	RTR
	1		TCTETBIS	BIS SEND REQUEST
(1C0)	BITSTRING	1	TCTEVIR2	Byte 2 storage allocation
` ,	1		TCTECLR	CLEAR
	.1		TCTESDT	Start data traffic
	1		TCTESTSN	SET AND TEST sequence number
	1		TCTESNU	SEND zero data length
	1		TCTEDR2	DR2 requested
	1		TCTESAB	STAND ALONE BB required for 3270
	1.		TCTEBSS	BEGIN BRACKET request
	1		TCTEESS	END BRACKET request
(1C1)	BITSTRING	1	TCTEVIR3	Byte 3 Storage Allocation
	1		TCTERSP	RECEIVE SPECIFIC
	.1		TCTEWDA	SEND DATA
	1		TCTESCM	SEND COMMAND
	1		TCTEORSP	SEND RESP type 0=+VE 1=-VE
	1		TCTEDCA	Change to CA mode
	1		TCTERAT	Read attention
	1.		TCTECWT	CTYPE wait request
	1		TCTESXD	SEND DATA EXCEPTION
(1C2)	BITSTRING	1	TCTEVIR4	Byte 4 storage allocation
	1		TCTECRP	GETMAIN - RPL
	.1		TCTECTA	GETMAIN - TIOA
	1		TCTECRAS	GETMAIN - RECEIVE ANY
	1		TCTEGNB	GETMAIN - NIB/BIND
	1		TCTEGBF	GETMAIN - BUFFLST
	1		TCTEGLC	GETMAIN - LUC control blocks
(1C3)	BITSTRING	1	TCTEVIR5	Byte 5 storage allocation
	1		TCTERPL	FREEMAIN - RPL
	.1		TCTECFA	FREEMAIN - all
	1		TCTECFS	FREEMAIN - specific
	1		TCTEFNB	FREEMAIN - NIB/BIND
	1		TCTEFBF	FREEMAIN - BUFFLST
	1		TCTEFLC	FREEMAIN - LUC control blocks
	1.		TCTEFNL	FREEMAIN - EXTR'D LOGON data
	1		TCTEFRS	FREEMAIN - RPL specific
(1C4)	BITSTRING	1	TCTEVIR6	Byte 6 storage allocation
	1		TCTECTS	Use symbol name for CLSDST
	.1		TCTECVI	IMMEDIATE availability
	1		TCTECVD	DEFERRED availability
	1		TCTEPAS	CLSDST pass
	1		TCTECVR	BID rejected
	1		TCTEBWD	BIDDING with data
	1.		TCTEPRT	RTR SEND pending

Offset Hex	Туре	Len	Name (Dim)	Description
(1C5)	1 BITSTRING	1	TCTESWT TCTERSRR	XRF SWITCH required Byte 7 storage allocation
` ,	11 11 1		TCTERCMO	CONTINUE mode
	1		TCTERUB	Reject RU until BB
	11		TCTERMOD	RECEIVE mode
SYS	STEM SERVICE QUI	EUE FLAG		
(1C6)	BITSTRING	1	TCTEISSQ	Byte storage allocation
	1 .1		TCTESNQ *	System error queue Reserved
	1		*	Reserved
	1 1		TCTEOPQ *	On Activate Process Queue
	1		*	
	1. 1		*	
E	//W REQUEST AND	STATUS FL	1G9	
(1C7)	BITSTRING	1		Puto Storago Allegation
(107)	1	1	TCTEEMF TCTEPUR	Byte Storage Allocation PURGE request
	.1		TCTESEM	SEND MESSAGE request
	1		TCTESNR *	SEND NEGATIVE response
	1		*	
	1		* TCTEEMW	Error message writer active
	1		*	Lifti message whier active
REC	EIVE flags			
(1C8)	BITSTRING	1	*	Byte storage allocation
•	1		TCTERVR	RECEIVE a response
	.1 1		TCTERVD TCTERBP	RECEIVE data BID PURGE in progress
	1		TCTERRU	RECEIVE and PURGE ONE RU
	1		TCTEXSC TCTEXPU	SDT after clear required XRF RECEIVE PURGE
	1.		TCTEQRQ	QRI-type response is queued *
(100)	1 BITSTRING	4	TCTENRQ TCTEIXRP	NORMAL response is queued
(1C9)	1	1	TCTEXNR	XRF Flags XRF Term not Recovered
	.1		TCTEXRM	XRF Recovery Msg reqd
	1		TCTEXRT TCTEXPT	XRF Recovery Tranact reqd XRF Purge task
	1111		TCTEXCC	Cleanup Action flags
	1 1		TCTEXNO TCTEXEB	Cleanup Action is NONE Cleanup Action is SEND-EB
	1.		TCTEXCL	Cleanup Action is CLEAR/SDT *
	1		TCTEXUB	Cleanup Action is UNBIND
	NCH REQUEST FL use BY ZSDA /ZSAX			
(1CA)	BITSTRING 1	1	*	ASYNCHRONOUS request byte
	.1		*	
	1		TCTERSH	Request SHUTDOWN
	1 1		TCTEESG TCTETSBI	E-SIGNAL SBI SEND request
	1		TCTERLSQ	RELEASE QUIESCE
	1. 1		TCTEQEOC TCTERSD	QUIESCE at end of chain Request SHUTDOWN
(1CB)	BITSTRING	1	TCTELTEC	LOSTERM Error code
LRF	REQUEST AND ST	ATUS FLAG	S	
(1CC)	BITSTRING	1	TCTELRPF	Byte Storage Allocation
	1 .1		TCTELRP TCTELRD	Logical REC PRESENTATION Deblock in progress
	1		TCTELRN	No delimiter in input unit
	1		*	ONVE there has EOO indicators
	1 1		TCTELRC TCTELRZ	SAVE flag for EOC indicator SAVE flag for EODS indicator
	M PROCESS STAT			
(1CD)	BITSTRING	1	TCTEVTPS	Byte storage allocation
/	1	•	TCTECIP	COMMAND in progress
	.1 1		TCTEDIP TCTEAIP	DATA in progress ATI BID in progress
	1		TCTENIP	NACP in progress
	1		TCTECAR	RESYNCH/RECOVERY in progress
	1 1.		TCTECAP TCTERNW	CHAIN ASSEMBLY in progress INPUT JOURNAL required flag
(405)	1		TCTECCV	1=TASK VIA AVAIL,0=VIA INPUT
(1CE)	BITSTRING 1	1	TCTEVOP2 TCTEDRQ	Byte 2 Storage Allocation Data required after STAND ALONE FMH
	.1		*	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCTEQE2 TCTENND	RESP + to REQ2 outstanding No normal data flow allowed
	1		TCTERAQ	READ-AHEAD QUEUEING required
	1		TCTERAD	READ-AHEAD DATA available
	1.		TCTERAP TCTERVP	READ-AHEAD PURGE required
NO.	DE SESSION STATUS		ICIERVE	RECEIVE PURGE required
(1CF)	BITSTRING	1	TCTEVTSS	Node session status one byte
(ICF)	111	'	TCTENIS	Node is now is session
	1		TCTELOS	LOGGED on
	.1		TCTEOPD	OPNDST
	1		TCTENSD TCTESLP	Start data traffic sent SIMLOGON in progress
	1		TCTEREO	RESPONSE outstanding
	1		*	Reserved
	1. 1		TCTESHP TCTERELR	SHUTDOWN sent by CICS RELEASE request received
(1D0)	BITSTRING	1	TCTEVTS2	Node session status byte 2
,	1		TCTENQS	Node QUIESCED by CICS
	.1		TCTEHQS	CICS QUIESCED by node
	1		TCTECSM TCTEOLD	Mode (CS=X'20' CA= ¬ X'20') OVERLENGTH data
	1		TCTEBPE	BRACKET PROTOCOL required
	1		TCTEERS	EMERGENCY restart
	1. 1		TCTEPSA TCTERPR	PREVIOUS SESSION ABEND RESYNCHRONIZATION required
		OTICC	ICIERPR	RESTINGHICATION required
	SSION CHARACTERIS BITSTRING	1	TOTEVISO	Ruto storago allocation
(1D1)	1	1	TCTEVISC TCTEERL	Byte storage allocation Eligible to be released
	.1		TCTIQSL	SIMLOGON to be queued
	1		TCTEDRI	Eligible to be disconnected
	1		TCTEXCA TCTEXCM	Current session is XRF-capable * EXC. RESP. Commands valid
	1		TCTEXRE	Take-over must reconnect by switch or BIND as appropriate *
	1.		TCTEXCS	Last OPNDST was OPTCD=BACKUP *
	1		TCTECAR	Chain assembly requested by terminal
	NDING EVENT STATU			
(1D2)	BITSTRING 1	1	TCTEVIPS TCTEORRN	Byte storage allocation Pending RRN response
	.1		TCTEOFME	Pending FME response
	1		TCTEBNS	BIND TIME security undefined
	1		TCTEPRA	Awaiting POSITIVE response
	1		TCTEOEXM *	Response (0=+VE &-VE 1=-VE) Reserved
	1.		TCTEQRI	QRI type response
(450)	1		TCTEDEF	DEFINITE response send in progress (was TCTEDRS)
(1D3)	BITSTRING 1	1	TCTEVIP2 TCTEWGS	Byte 2 storage allocation Task Awaiting for INBOUND SIGNAL
	.1		TCTELGX	LOGON EXIT in progress
	1		*	Reserved
	1		TCTECDS TCTECMT	CHANGE DIRECTION sent RESPOND POSITIVE to SPR
	1		TCTESQA	Start task REQ no active request
	1.		TCTESEO	EXCEPTION response outstanding
	1		TCTECDV	CHANGE DIRECTION save TIOA
	ACKET PROTOCOL S			
(1D4)	BITSTRING 1	1	TCTEVBPS	Byte Storage Allocation
	.1		TCTEINB TCTEBBP	In BRACKET state BEGIN BRACKET pending
	1		TCTEEEB	BB EB sent state
	1		TCTEBBS	BEGIN BRACKET sent
	1 1		TCTEEBS TCTEBBR	END BRACKET sent BEGIN BRACKET received
	1.		TCTEBBA	BEGIN BRACKET receive
	1		TCTEBTB	BETWEEN BRACKETS
EXT	TENDED BRACKET S	TATE FLAC	GS	
(1D5)	BITSTRING	1	*	DTD and for this
	1 .1		TCTERTP TCTEBRT	RTR pending state BID TO BE RETRIED indicator
	1		TCTEBRP	BIDDING in progress
	1		TCTEBRS	REBID if necessary
	1 1		* TOTEED##	END RRACKET memory flog
	1		TCTEEBM TCTEEBR	END BRACKET memory flag EB received
	1		TCTEBEB	BB EB received state
ZRAC	flag byte			
(1D6)	BITSTRING	1	*	
	1		TCTERNU	NULL RU / LUS 6 received Command received
	.1		TCTERCM TCTERDT	Data received

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCTERRS	Response received
	1 1		TCTEBSC TCTERAE	BIND security complete ZRAC to EXECUTE
	1		TCTERAN	ZRAC to EXECUTE ZRAC possibly to RUN
	1		TCTESKI	ZRAC to SKIP
TRA	ANSMISSION PROTO	COL STATI	JS	
(1D7)	BITSTRING	1	TCTEVTP	Byte storage allocation
	1		TCTESMP	SEND mode pending
	.1		TCTEPRC TCTESMA	Processing chain state SEND mode assumed
	1		TCTESMD	SEND mode
	1		TCTEECN	OUTBOUND processing chain state
	1		TCTEABD	ABNORMAL END condition
	1.		TCTERMD	RECEIVE mode
	1		TCTECPG	CHAIN PURGED indicator
	SDEST STATUS		TOTEOLOT	OLODEOT status but
(1D8)	BITSTRING 1	1	TCTECLST TCTESBIS	CLSDEST status byte SBI sent
	.1		TCTEMTO	TERM issued SHUTDOWN
	1		TCTEBISI	BIS SEND in progress
	1		TCTEFBIS *	First BIS was sent by us
	1 1		TCTESBIR	SBI received
	1.		TCTEBISS	BIS sent
	1		TCTEBISR	BIS received
SEN	ND RESPONSE TO C	OMMAND F	REQUEST	
(1D9)	BITSTRING	1	*	
	1		TCTEKNE	SEND NEGATIVE response
	.1		TCTEKSD TCTEKBD	SEND SDT response SEND BIND response
	1		TCTEKCA	SEND SMD response CA mode
	1		TCTEKST	SEND STSN response
	1		TCTESUS	Suspend activate scan
	1.		TCTERMC	response to MIC sent
-	TYPE6.2 State Machin			
(1DA)	BITSTRING	1	TCTEUSRS	CONVERSATION state machine
(1DB) (1DC)	BITSTRING BITSTRING	1 1	TCTEBKTS TCTECNTS	BRACKET state machine CONTENTION state machine
(1DC) (1DD)	BITSTRING	1	TCTECHSS	CHAIN state machine
(1DE)	BITSTRING	1	TCTEACC	ACC FIELDS required
, ,	1		TCTEACC1	ACC field 1 required
	.1		TCTEACC2	ACC field 2 required
	1		TCTEACC3 TCTEACC4	ACC field 3 required ACC field 4 required
	1		TCTEACC5	ACC field 5 required
	1		TCTEACC6	ACC field 6 required
	1.		TCTEACC7	ACC field 7 required
	1		TCTEACC8	ACC field 8 required
	following byte is in the			
(1DF)	CHARACTER 1	1	TCTESSPL *	SPL,LU_SVC byte DEF
	.1		TCTESP2	all
	1		TCTESP1	commit
	1		TCTERS1	restart supported
	1 1		*	SECONDARY REINIT PRIMARY REINIT
	1.		TCTEPAR	PARALLEL SESSION
	1		TCTECNO	CNOS supported
(1E0)	BITSTRING	1	TCTEL62A	LUTYPE 6.2 MISCELLANY
	1 .1		TCTESBB TCTENIT	CURR BB SEQ NO = OURS We Init'd session
	1		TCTEESR	ext. sec. recvd in BIND
	1		TCTENOBB	No BB for this allocate
	1		*	
	1		*	United December
	1.		TCTE_LR *	Limited Resource
TC	TE_ TRACE_5_ LEN	End of TCT	TE trace area 5	
			ing User SYNCPT INFO	
(1E1)	BITSTRING	1	TCTEUSRV	TCTEUSRS pending info
(1E1) (1E2)	UNSIGNED	1	TCTE_ZBAN_ RESPONSE	Response for ZNAC msg
(1E3)	UNSIGNED	1	TCTE_ZBAN_REASON	Reason for ZNAC msg
(1E4)	ADDRESS	4	TCTTEMOD	-> Mode-entry
(1E4)	ADDRESS	4	TCTE_PREV_ APPC_SURROG	
			AFFO_OUNIOU	Next PS APPC surrog
(1E8)	ADDRESS	4	TCTE_ACQUIRE_ DATA	Acquire userdata
(1EC)	ADDRESS	4	TCTEBIMG *	-> BIND-image
(1F0)	BITSTRING	1	•	Reserved

APP Ball'STRING	Offset Hex	Туре	Len	Name (Dim)	Description
TOTEXNO	XRF	Flags			
1.	(1F1)		1	*	
					· · · · · · · · · · · · · · · · · · ·
NRF Finals, passed up from other areases					
Internation					
1 TCTEANG NETWARE removes from TMP	XR	F Flags, gathered up	from other a	areas	
1 TCTEX8	(1F2)		1	*	Misc XRF Bits
TCTE ACQUIRE OPTIONS					
TOTE ACQUIRE OPTIONS				*	
TCTE ACQUIRE OPTIONS				* TCTEYS1	
TCTE ACQUIRE OPTIONS					
TOTE_ACQUIRE_OPTIONS					the logon exit.
1	TC1	E ACQUIRE OPTION	IS		
1 TOTE_SIMLOG_RQD SIMLOGON reques QALL polition	(1F3)	BITSTRING	1	TCTE_ACQUIRE_ OPTIONS	Acquire entions
I.		1		TCTE SIMLOG RQD	
SESSION FUNCTIONS DEFINITION SESSION FUNCTIONS DEFINITION TOTE RELETED, ROD R		.1		TCTE_QALL_RQD	QALL option
SESSION FUNCTIONS DEFINITION					
SESSION FUNCTIONS DEFINITION					
				*	
Totelsham	SES	SSION FUNCTIONS D	EFINITION		
1	(1F4)		4	*	Ensure alignment
1.	(1F4)		1		
1.					
TCTEPTI					
TOTEXSN				*	
SISTRING					
1 TCTEPTB Indicator	(1F5)		1	*	Standby Session Counted
1.	, ,				
Total		1			
1	(4.50)				
1.	(11-6)		1		
1.					
Composition					
Session function definition		1.			GOOD MORNING message required
1 TCTECSRI	(4 EZ)			TCTERYCF	•
1 TCTEEOD	(11-7)		1	TCTECSRI	
1.		.1			
1 TCTENFRI No FMH required indicator				TCTENOCI	No output chain support IND
1					
TCTESEB					
Second Procession Total Proc		1.			
1 TCTESDBP	(450)				
1	(118)		1		, ,
1 TCTESDLD LDC - type session					
1 TCTESDED SEND EB with DEFINITE response required					
1					
1					·
Second Allocation		1.		TCTESBDI	LONG TYPE1 FMH supported
1 TCTES2EB SECONDARY can SEND EB .1. TCTESRPI SENDER ERP RESPONSIBILITY TCTESBIF SBI/BIS supported TCTEFNSP SPR supported 1 TCTEFNPR PREPARE supported LUSTAT SENDING supported TCTEFST FAST PATH session	(450)				
.1. TCTESRPI SENDER ERP RESPONSIBILITY TCTESBIF SBI/BIS supported TCTEFNSP SPR supported 1 TCTEFNPR PREPARE supported LUSTAT SENDING supported TCTEFST FAST PATH session	(1F9)		1		
1 TCTESBIF SBI/BIS supported 1 TCTEFNSP SPR supported 1. TCTEFNPR PREPARE supported 1. TCTEFLUS LUSTAT SENDING supported 1. TCTEFST FAST PATH session					
1 TCTEFNPR PREPARE supported1 TCTEFLUS LUSTAT SENDING supported1. TCTEFST FAST PATH session		1		TCTESBIF	SBI/BIS supported
1. TCTEFLUS LUSTAT SENDING supported1. TCTEFST FAST PATH session					
1. TCTEFST FAST PATH session					
		1		TCTENCK	BB,EB supported

Offset Hex	Туре	Len	Name (Dim)	Description			
(1FA)	CHARACTER	2	TCTEINSH	Data Otanana Allacation			
(1FA)	BITSTRING 1	1	TCTESD4 TCTENDT	Byte Storage Allocation No SDT supported			
	.1		TCTENSH	No SHUTD support			
	1		TCTEQRS	QRI response supported			
	1		TCTECDX	SEND CD with RQE			
	1		TCTEBID	NULL RU with BB = BID			
	1		TCTESDN	SIGNAL will drive NACP			
	1		TCTEESC TCTECON	Enforce HARD SIGNAL RCD Contention logical unit			
(1FB)	BITSTRING	1	TCTESD5	Byte Storage Allocation			
, ,	1		TCTERIB	RESET state is INB			
	.1		TCTEPSS	PRIMARY SEND state at session initiation			
	1		TCTEL06	NULL RU = LUSTAT 0006			
	1		TCTESQI	QRI supported			
	1		TCTEL07	LUSTAT 0007 not THR ZNAC			
	11		TCTESTL	SECONDARY RECEIVE STACK where $B'00' = 1$ -Level where $B'01' = 2$ -Level where $B'10'$ is Reserved where $B'11' = 3$ -level			
(1FC)	BITSTRING	1	*	byte storage allocation			
	1 .1		TCTEBIN	EB DEFINITE if OUTSTAND REQ			
	1		TCTERIR TCTERIN	CICS responsible for reinitiation CICS may not Reinitiate			
	1		TCTESTR	Do not send RTR			
	1		TCTERIS	Re-initiate pending			
	1		TCTENBK	Bracket(No)			
(1FD)	BITSTRING	1	TCTELSB	LU-type subsetting flags B *			
	1		TCTELS25	LU-type subsetting bit 25			
	.1		TCTELS26 TCTELS27	LU-type subsetting bit 26 LU-type subsetting bit 27			
	1		TCTELS27	LU-type subsetting bit 27 LU-type subsetting bit 28			
	1		TCTELS29	LU-type subsetting bit 29			
	1		TCTELS30	LU-type subsetting bit 30			
	1.		TCTELS31	LU-type subsetting bit 31			
(455)	1		TCTELS32	LU-type subsetting bit 32			
(1FE) (1FF)	BITSTRING BITSTRING	1 1	TCTECACT TCTECLIM	In transmission Transmission			
(200)	ADDRESS	4	TCTESPPA	Session pool address			
(200)	ADDRESS	4	TCTETPPA	Terminal pool address			
VTA	AM 3270 CONTROL	NEORMATIO	ON	·			
-			+	Pode store as allocation			
(204)	BITSTRING 1	1	TCTEEXI	Byte storage allocation EXCEPTIONAL input received			
	.1		TCTEXIP	EXCEPTIONAL input program in progress			
	1		TCTEPRP	PRINT command in progress			
	1		TCTEINT	INTERVENTION required			
	1		TCTERRT	RESTORE read with TEXT			
	1		TCTERRI	RESTORE read indicator			
	1. 1		TCTECPY TCTECPA	PRINTTO=(X,COPY) ALTPRT=(X,COPY)			
				ALTERI - (A, 60 FT)			
-	SCELLANEOUS contr		n. *				
(205)	BITSTRING	1		Headling our array			
	1 .1		TCTEHOR TCTEWPD	Handling own errors BMS input passthrough			
	1		TCTERED	EDS FMH received			
	1		TCTEF12	Awaiting receipt of FMH 12			
	1		TCTEDLG	LOGON with OPNDST active			
	1		TCTETIA	Send buffer is a TIOA			
	1.		TCTEBIR	BIND received			
	1		TCTEUBR	UNBIND received			
Persist	tent Sessions State n	nachine - see	e constants for values				
(206)	BITSTRING	1	TCTE_PRSS	Persistent Sessions State			
Generi	ic resource flags						
(207)	BITSTRING	1	TCTE_GR_FLAGS	Generic Resource flags			
(207)	1	ı	TCTE_GR_ LOGGEDON_	Generic Resource riags			
			BY_MEMBERNAME				
			_	terminal used member name to log on			
Corre	elation ID						
	correlation ID for non-	LUC termina	als is as follows				
		terminals is	contained in the LUC				
exten	extension						
(208)	CHARACTER	8	TCTECORR	Correlation ID			
			an autoinstalled terminal to				
			set in DFHBSTZV prior to				
Freema		sea in DFHE	BSSUB during Statistics				
(208)	CHARACTER	8	TCTTENNM	Netname Copy			
(210) (218)	CHARACTER ADDRESS	8 4	TCTTETIM TCTEBFLA	STCK logon time VTAM buffer list address			
(216) (21C)	ADDRESS	4	TCTE_PRSS_ CV29_PTR	Last PRSS flows etc			
(220)	ADDRESS	4	TCTELUCX	A(TCTTE LUC Extension)			
. ,				•			

Offset Hex	Туре	Len	Name (Dim)	Description	
(220)	CHARACTER		TCTEPIPE	PIPELINE overlay	
(224)	CHARACTER		TCTESESS	Session overlay	
VTAM 3270 SYSTEM AREA EXISTS only for VTAM 3270 and 3270 COMPATIBILITY mode					
(224)	CHARACTER	4	ТСТЕРТО	PRINTTO name	
(228)	CHARACTER	4	TCTEAPT	ALTPRT name	
(22C)	ADDRESS	4	TCTEFRM	Source-terminal address for copy	
PRINT	ER and Alternate Printe	r Netname	es for VTAM 3270		
(230)	CHARACTER	8	TCTEPNET	Printer Netname	
(238)	CHARACTER	8	TCTEANET	Alternate Printer Netname	
Length	of ZC Terminals				
(240)	CHARACTER		TCTEGET1	Length for ZC terminals	
(240)	CHARACTER		TCTEGET2	Length for ZC terminals	

Declarations for the use of Communications Recovery Services.

These definitions become part of TCTTE Storage.

Recovery Manager Connection Storage common to all session types.

The following pieces of state are associated with the DFHCRESI service to add and set links as recovery necessary/unnecessary, and are common to MRO and LU6.X access methods.

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)	STRUCTURE	10	DFHCRESI_STATE		
-					
This is the token returned by ADD LINK, and represents &rm.'s link					

state. It is supplied to &rm. on subsequent calls.

BITSTRING CR_CURRENT_LINK (0) 4

This field is used to keep &rm.'s token for a link which we have deleted but not forgotten (ie. the conversation has gone out of bracket, but the implicit forget flow has not been received yet).

In addition to this field, there is a flag to indicate that we have set FORGET(NO) in response to PERFORM_ COMMIT, and are therefore obliged to inform &rm. that he can forget the link status on the next inbound flow (or that he must remember the link status if the session is lost).

(4)	BITSTRING	4	CR_PENDING_LINK
(8)	1		CR_FORGET_NEEDED
	.111 1111		•

The PENDING mechanism for adding/setting links is managed by a new piece of state, CR_PEND_ RECOVERY_ STATUS, associated with the session.

CR_PEND_ RECOVERY_STATUS UNSIGNED

--

The Logname is required whenever a session is registered with RM via the ADD LINK function.

Initialised by Exchange lognames before use.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	9	RMC_COMMON_ LOGNAME	
(0)	CHARACTER	9	CR_LOGNAME	
(0)	UNSIGNED	1	CR_LOGNAME_LEN	
(1)	CHARACTER	8	CR_LOGNAME_DATA	

--

State remembered between back-to-front calls.

Owned by Unit of work processors.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	1	REMEMBERED_STATE CR 2PC SESS FAIL	sess fail sending Prepare SPR
	.1		CR_SHUNT_ RECEIVED	sess fall seriality Frepare SFIX
	1		CR_ABORT_ RECEIVED	
	1		CR ABORT FORBIDDEN	

--

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	RMC_COMMON	
(0)	STRUCTURE	10	*	
(0)	IsA(DFHCRESI_S	,	OD OURDENIT LINE	
(0)	BITSTRING	4	CR_CURRENT_LINK	
(4)	BITSTRING	4	CR_PENDING_LINK	
(8)	1 .111 1111		CR_FORGET_ NEEDED *	
(9)	UNSIGNED	1	CR_PEND_ RECOVERY STATUS	
(A)	STRUCTURE	9	*	
` '	IsA(RMC_COMMO	ON LOGNA	ME)	
(A)	CHARACTER	9	CR LOGNAME	
(A)	UNSIGNED	1	CR LOGNAME LEN	
(B)	CHARACTER	8	CR LOGNAME DATA	
(13)	STRUCTURE	1	*	
(- /	IsA(REMEMBERE	D STATE)		
	1	_ ,	CR 2PC SESS FAIL	sess fail sending Prepare SPR
	.1		CR SHUNT RECEIVED	0
	1		CR ABORT RECEIVED	
	1		CR ABORT FORBIDDEN	

--

IRC (talking to old systems, using sequence number recovery) and $\ensuremath{\mathsf{LU6.1}}.$

LUU.

Jointly owned by LU6.1 and IRC sequence number logic code.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	9	SEQUENCE_NUMBERS	
(0)	CHARACTER	8	CR_SEQ_NOS	
(0)	CHARACTER	4	CR_BACKOUT_ SEQ_NOS	
(0)	HALFWORD	2	CR_BACKOUT_ SEQ_INPUT	
(2)	HALFWORD	2	CR_BACKOUT_ SEQ_OUTPUT	
(4)	CHARACTER	4	CR_COMMIT_ SEQ_NOS	
(4)	HALFWORD	2	CR_COMMIT_ SEQ_INPUT	
(6)	HALFWORD	2	CR_COMMIT_ SEQ_OUTPUT	
(8)	11		CR_UOW_ DISPOSITION	NOTE - MUST be 1st 2 bits of byte for ASM

--

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	9	RMC_SHARED_IRC61	
(0)	STRUCTURE	9	*	
	IsA(SEQUENCE_	NUMBERS)		
(0)	CHARACTER	8	CR_SEQ_NOS	
(0)	CHARACTER	4	CR_BACKOUT_	
			SEQ_NOS	
(0)	HALFWORD	2	CR_BACKOUT_	
			SEQ_INPUT	
(2)	HALFWORD	2	CR_BACKOUT_	
. ,			SEQ_OUTPUT	
(4)	CHARACTER	4	CR_COMMIT_ SEQ_NOS	
(4)	HALFWORD	2	CR_COMMIT_	
			SEQ_INPUT	
(6)	HALFWORD	2	CR_COMMIT_	
			SEQ_OUTPUT	
(8)	11		CR_UOW_ DISPOSITION	
				NOTE - MUST be 1st 2 bits of byte for ASM

--

LU6.2 and IRC using RM services for recovery.

-

Owned by Exchange lognames process.

Offset Type Len Name (Dim) Description Hex

--

IRC partner may be 5.1 or pre-5.1. If the latter, then resync has to be performed using sequence numbers. If the former, resync is enhanced to use the same algorithms as LU6.2.

Owned by IRC bind logic.

 $\,$ LU6.2 partner may be 5.1 or pre-5.1. If the latter then the new protocols are not supported.

Offset Type Len Name (Dim) Description Hex

(0) STRUCTURE 1 RESYNC_TYPE 11.. CR_RESYNC_TYPE

What resync type is partner?

Offset Len Name (Dim) Description Hex STRUCTURE (0)2 RMC_SHARED_IRC62 STRUCTURE (0)

IsA(RESYNC_TYPE) 11... CR_RESYNC_TYPE What resync type is partner? STRUCTURE

IsA(RECOVERY_PROTOCOL) CR_PROTOCOL 1...

(1)

LU6.1 and LU6.2 - no shared state. This type is not used, but is here for the sake of completeness.

Offset Len Name (Dim) Description Type

(0) STRUCTURE RMC_SHARED_LU6162 (0) BITSTRING

IRC specific fields

MRO bind process. Conversation position and logging.

Owned by IRC bind logic.

Offset Name (Dim) Description Type Len

Hex STRUCTURE IRC BIND STATE (0) 1 111. CR_BIND_LEG_NUM

CR_BIND_LOGGING

Which conversation leg is it? NOTE- leg num must be first 3 bits of byte

Is bind logging done yet?

This field is used to hold the conversation correlator temporarily. The conversation correlator is received on an FMH5 $\,$ and is logged by RM for use by RMC during resync. It is presented to RM an an Add_link in DFHZSUP, but is extracted from the FMH5 along with the UOW In DFHZATT. This field is used to transfer the value between the two modules.

NOTE: For LU6.2 a field exists in the LUC exctension.

Owned by resync processing

Offset Type Len Name (Dim) Description

Hex STRUCTURE IRC_CONV_ CORRELATOR (0) (0) UNSIGNED 1

CORRELATOR_LEN (1) CHARACTER 4 CR_CONV_ CORRELATOR

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	6	RMC_IRC_SPECIFIC	
(0)	STRUCTURE	1	*	
	IsA(IRC_BIND_S	TATE)		
	111		CR_BIND_LEG_NUM	Which conversation leg is it? NOTE- leg num must be first 3 bits of byte
	1		CR_BIND_LOGGING	Is bind logging done yet?
(1)	STRUCTURE	5	*	
	IsA(IRC_CONV_0	CORRELATO	PR)	
(1)	UNSIGNED	1	CR_CONV_	
			CORRELATOR_LEN	
(2)	CHARACTER	4	CR_CONV_ CORRELATOR	

--

Reliability of partner - indicated on inbound request commit for Presumed Abort partners.

CICS ALWAYS VOTES RELIABLE.

Owned by Unit of work processors.

Offset Type Len Name (Dim) Description Hex

Determined by inbound. rqc

..

Offset Type Len Name (Dim) Description

 Hex
 1
 RMC_LU62_SPECIFIC

 (0)
 STRUCTURE
 1
 **

IsA(PA_RELIABILITY)

1... CR_RELIABILITY_ VOTE

Determined by inbound. rqc

The LU6.1 Specific state comprises state which is relevant to Syncpoint, and state which is relevant to Resync.

Owned by Lu6.1 Syncpoint process. This state indicates that the current inbound flow contains a PREPARE or SPR flow. It is reset as soon as the information has been imparted to Recovery Manager.

Offset Type Len Name (Dim) Description

 Hex
 1
 LU61_SYNCPOINT_ CONTROL

 1
 CR_LU61_ INBOUND_PREPARE

 1
 CR_LU61_ INBOUND_SPR

-

Owned by Lu6.1 Resync process.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE 1111	1	LU61_RESYNC_ CONTROL CR_LU61_ RESYNC_REQUIRED CR_LU61_ PARTNER_COLD CR_LU61_ RESYNC_DONE CR_LU61_ SECOND_ STSN_EXPECTED	

Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0) (1)	STRUCTURE STRUCTURE IsA(LU61_SYNCPOI 1 STRUCTURE	1	CR_LU61_ INBOUND_PREPARE CR_LU61_ INBOUND_SPR *	
	IsA(LU61_RESYNC_ 1 .1 1	CONTRO	L) CR_LU61_ RESYNC_REQUIRED CR_LU61_ PARTNER_COLD CR_LU61_ RESYNC_DONE CR_LU61_SECOND_ STSN_EXPECTED	

--

Session types are constructed from the components, and collected together based on access method to produce three types. The aggregate types is based on an area reserved for it in the TCTTE.

The storage is composed of three physical parts, defined to allow sharing of state between PLX and Assembler modules in existing code.

- Access method independent
- Used by combinations, but not all access methods, eg IRC and LU6.2. There are theoretically three subsections, but LU6.2 and LU6.1 have nothing in common.
- Used by One access method only; one of three methods. This last part is an overlay based on the end of the preceding sections.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	31	RMC SHARED	
(0)	STRUCTURE IsA(RMC_COMMON)	20	*	
(0)	CHARACTER	10	*	
(0)	BITSTRING	4	CR_CURRENT_ LINK	
(4)	BITSTRING	4	CR_PENDING_ LINK	
(8)	1 .111 1111		CR_FORGET_ NEEDED *	
(9)	UNSIGNED	1	CR_PEND_ RECOVERY_STATUS	
(A)	CHARACTER	9	*	
(A)	CHARACTER	9	CR_LOGNAME	
(A)	UNSIGNED	1	CR_LOGNAME_ LEN	
(B)	CHARACTER	8	CR_LOGNAME_ DATA	
(13)	CHARACTER	1	*	
	1		CR_2PC_ SESS_FAIL	sess fail sending Prepare SPR
	.1		CR_SHUNT_ RECEIVED	
	1		CR_ABORT_ RECEIVED	
	1		CR_ABORT_ FORBIDDEN	
(14)	STRUCTURE	9	*	
. ,	IsA(RMC SHARED I	RC61)		
(14)	CHARACTER	9	*	
(14)	CHARACTER	8	CR_SEQ_NOS	

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	CHARACTER	4	CR_BACKOUT_ SEQ NOS	
(14)	HALFWORD	2	CR_BACKOUT_ SEQ_INPUT	
(16)	HALFWORD	2	CR_BACKOUT_ SEQ_OUTPUT	
(18)	CHARACTER	4	CR COMMIT SEQ NOS	
(18)	HALFWORD	2	CR_COMMIT_ SEQ_INPUT	
(1A)	HALFWORD	2	CR_COMMIT_ SEQ_OUTPUT	
(1C)	11		CR UOW DISPOSITION	
` '				NOTE - MUST be 1st 2 bits of byte for ASM
(1D)	STRUCTURE	2	*	
	IsA(RMC_SHARE	D_IRC62)		
(1D)	CHARACTER	1	*	
	11		CR_RESYNC_TYPE	What resync type is partner?
(1E)	CHARACTER	1	*	
	1		CR_PROTOCOL	

Overlay part of the TCTTE with the three session types. NB. This code is shared assembler code and matches corresponding assembler DSECTS.

Offset	Туре	Len	Name (Dim)	Description
Hex	.,,,,		(=)	
(138)	STRUCTURE	31	CR_COMMON	
, ,		31	*	
(138)	STRUCTURE	31		
	IsA(RMC_SHARED)			
(138)	CHARACTER	20	*	
(138)	CHARACTER	10	*	
(138)	BITSTRING	4	CR_CURRENT_ LINK	
(13C)	BITSTRING	4	CR_PENDING_ LINK	
(140)	1		CR_FORGET_ NEEDED	
(140)	.111 1111		*	
(4.44)		1	CD DEND	
(141)	UNSIGNED	1	CR_PEND_	
			RECOVERY_STATUS	
(142)	CHARACTER	9	*	
(142)	CHARACTER	9	CR_LOGNAME	
(142)	UNSIGNED	1	CR_LOGNAME_ LEN	
(143)	CHARACTER	8	CR_LOGNAME_ DATA	
(14B)	CHARACTER	1	*	
(1.2)	1	•	CR_2PC_ SESS_FAIL	
	1		CIN_2FO_ 3L33_I AIL	and fail and ing Drangus CDD
	1			sess fail sending Prepare SPR
	.1		CR_SHUNT_ RECEIVED	
	1		CR_ABORT_ RECEIVED	
	1		CR_ABORT_	
			FORBIDDEN	
(14C)	CHARACTER	9	*	
(14C)	CHARACTER	9	*	
(14C)	CHARACTER	8	CR_SEQ_NOS	
` '				
(14C)	CHARACTER	4	CR_BACKOUT_	
			SEQ_NOS	
(14C)	HALFWORD	2	CR_BACKOUT_	
			SEQ_INPUT	
(14E)	HALFWORD	2	CR_BACKOUT_	
			SEQ_OUTPUT	
(150)	CHARACTER	4	CR_COMMIT_	
(.00)	0.0.0.0.2.0	•	SEQ_NOS	
(150)	HALEWORD	2		
(150)	HALFWORD	2	CR_COMMIT_	
		_	SEQ_INPUT	
(152)	HALFWORD	2	CR_COMMIT_	
			SEQ_OUTPUT	
(154)	11		CR_UOW_ DISPOSITION	
				NOTE - MUST be 1st 2 bits of byte for ASM
(155)	CHARACTER	2	*	
(155)	CHARACTER	1	*	
(:)	11		CR_RESYNC_ TYPE	What resync type is partner?
(156)	CHARACTER	1	*	What resyns type is partier.
(130)			CB BBOTOCOL	
	1		CR_PROTOCOL	
Offset	Туре	Len	Name (Dim)	Description
Hex			• •	-
(158)	STRUCTURE	1	CR LU62	
(158)	STRUCTURE	1	*	
(150)				
(150)	IsA(RMC_LU62_SPE		*	
(158)	CHARACTER	1	OD DELIADULTY VOTE	
	1		CR_RELIABILITY_ VOTE	B
				Determined by inbound. rqc

Offset Hex	Туре	Len	Name (Dim)	Description
(158)	STRUCTURE	2	CR LU61	
(158)	STRUCTURE	2	*	
()	IsA(RMC_LU61_S			
(158)	CHARACTER	1	*	
(/	1		CR_LU61_	
			INBOUND_PREPARE	
	.1		CR LU61	
			INBOUND SPR	
(159)	CHARACTER	1	*	
` ,	1		CR LU61	
			RESYNC_REQUIRED	
	.1		CR_LU61_	
			PARTNER_COLD	
	1		CR_LU61_	
			RESYNC_DONE	
	1		CR_LU61_ SECOND_	
			STSN_EXPECTED	
Offset	Туре	Len	Name (Dim)	Description
Hex				
(158)	STRUCTURE	6	CR_IRC	
(158)	STRUCTURE	6	*	
	IsA(RMC_IRC_SI	,		
(158)	CHARACTER	1	*	
	111		CR_BIND_ LEG_NUM	Which conversation leg is it? NOTE- leg num must be first 3 bits of byte
	1		CR_BIND_ LOGGING	Is bind logging done yet?
(159)	CHARACTER	5	*	
(159)	UNSIGNED	1	CR_CONV_	
			CORRELATOR_LEN	
(15A)	CHARACTER	4	CR_CONV_	
			CORRELATOR	
	PIPELINE POOL EN	ITRIES (TC	TEPTI) OVERI AY	

I II EEIINE I	OOL LIVINGEO	(IOILI	II) OVERLAI

Offset	Туре	Len	Name (Dim)	Description
Hex				
(220)	STRUCTURE	12	*	Pipeline specific data
(220)	ADDRESS	4	TCTEPLCH	Pipeline pool chain if leader * and 3650 pipeline Session
(224)	CHARACTER		TCTEGET9	Length of pipeline term
(224)	CHARACTER	8	TCTEPLID	Poolid if pool-entry leader *
(224)	ADDRESS	4	TCTEPLLP	-> Pool-entry leader
(228)	FULLWORD	4	TCTEPLEI	pool entry id for catlog
(22C)	CHARACTER		TCTEGET8	L(pipeline pool chain)
(22C)	CHARACTER		TCTEGET7	Length for pipeline pool

Session Overlay Area (non-pipeline)

Offset Hex	Туре	Len	Name (Dim)	Description
(224)	STRUCTURE	4	*	session data
(224)	ADDRESS	4	TCTEPREV	Previous TCTTE
(228)	CHARACTER		TCTEGET3	Length for LUC Session

IRC Overlay area

Offset Hex	Туре	Len	Name (Dim)	Description
(170)	STRUCTURE	110	*	OVERLAY access method-specific IRC Overlay area
(170)	CHARACTER	3	TCTESRHI	INBOUND request header
(170)	CHARACTER	1	TCTESRI1	1st byte
	1		TCTESRSP	=1 for RESPONSE =0 for REQUEST
	.1		TCTESDFC	=1 for data flow control header
	1		*	
	1		*	
	1		TCTESFI	Format IND. =1 if FMH present
	1		TCTESSDI	=1 when sense data present
(171)	CHARACTER	1	TCTESRI2	2nd byte
	1		TCTESDR1	DEFINITE response 1

1.1.	Offset Hex	Туре	Len	Name (Dim)	Description
TOTESER					DEFINITE
TOTESRIT					•
CHARACTER 1 TCTESRIS BEGEN BACKET reductors					
1	(172)	CHARACTER	1		
TOTESCO CHARACTER TOTESCO					
CHARACTER 3 TOTESHO					
CHARACTER 1 TCTESRO1	(173)		3		
CHAPACTER 1 TOTESRO2 2ND byte Bits as TOTESRIX					
MALFWORD 2			1		
				TCTESRO3	
1 TOTESGORY WRITE request				*	
1 TOTESOSY WAIT request	(178)		'		
		1		TCTESQRD	READ request
				*	
1				* TOTESOSO	Commented data
TOTE JUNE STRING 1					
Misc. RC Tages					
177A	(179)		1	*	
(1776)					
CTCE_SERVICE_REPORTING_CLASS Workload manager monitoring field				TCTESBRS *	
REPORTING_CLASS				TCTE SERVICE	Reserved
Workload manager monitoring field Workload francager monitoring field HILLWORD	(170)	CHANACTER	4		
FULLWORD					Workload manager monitoring field
ADDRESS	. ,				
(18C) ADARESS 4 TCTEIRDA data for switch (18C) ADARESS 4 TCTEIRRA Address of RH (18D) FULLWORD 4 TCTEIRRL Length of RH (1894) ADARESS 4 TCTEIRTA Address of LUG.2 FMH (1995) FULLWORD 4 TCTEIRTA Address of LUG.2 FMH (1996) FULLWORD 4 TCTEIRFA Address of FMH (1AM) FULLWORD 4 TCTEIRFA Address of FMH (1AM) FULLWORD 4 TCTEIRFT Length of FMH (1AM) FULLWORD 4 TCTEIRFT OTHER-system LEVEL-indicator * (1AM) FULLWORD 4 TCTEIRFT OTHER-system LEVEL-indicator * (1AM) FULLWORD 5 TCTEIRFT OTHER-system LEVEL-indicator * (1AM) BITSTRING 1 TCTEIRFT Fing byte one (1AM) FULLWORD 5 TCTEIRFT FING SHEED FING SHE					
TOTEIRRA					
(199) FULLWORD 4 TCTEIRTA					
(198) FULLWORD 4 TCTEIRTL Length of LU6.2 FMH (19C) ADDRESS 4 TCTEIRFA Address of FMH (14A) FULLWORD 4 TCTEIRT OTHER System LEVEL-indicator * (14B) BUSTRING 1 TCTEIRGI GET DATA ALREADY issued 1		FULLWORD	4		Length of RH
(1905) ADDRESS 4 TCTEIRFA Address of FMH (1404) FULLWORD 4 TCTEIRFL Length of FMH (1404) FULLWORD 4 TCTEIRFT OTHER-system LEVEL-indicator * [1408] CHARACTER 4 TCTEIRFS Flags bytes 1.1	. ,				
TAME					
(1A4)	, ,				
TATELINE					
1	(1A8)				
1	(1A8)		1		
1 TCTEIRUL JUST allocated Control on other side					
		1		TCTEIRJL	JUST allocated
1. TCTEIRUT Tell IOR to use TIOA1 TCTEIRAO AVAIL outstanding BITSTRING 1 TCTEIRF2 Flag byte two 1 TCTEIRCM CD on this side					
TOTEIRAO					
A					
1	(1A9)		1		
I TCTEIRAA CRNP_ATTACH SEC check failed *I				TCTEIRCD	CD on this side
1 TCTEIRDL 1 TCTERRSS TTANSactional EXCI suppt Reserved (1AA) CHARACTER 2 * Reserved (1AC) ADDRESS 4 TCTEURAD MYS UR address (1BD) BITSTRING 1 TCTEIRST BIN status Reserved .1					
1 TCTERRSS Transactional EXCI suppt (1AA) CHARACTER 2 * Reserved (1AC) ADDRESS 4 TCTEURAD MYS UR address (1B0) BITSTRING 1 TCTEIRST BIN status 1 * Reserved 1 TCTEIRBN EXCI session 1 TCTE_UR INIT_NEEDED 1 TCTE_UR BIND_NEEDED UR client INIT needed UR client BIND needed Length for IRC Conv. LUWID, in the FORM of LL00ID (for possible WTO) (1B1) CHARACTER 1 Reserved (1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESLWD LUWID (1B6) CHARACTER 35 TCTESLWD LUWID (1B9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER 5 TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface					
(1AA) CHARACTER 2 * Reserved (1AC) ADDRESS 4 TCTEURAD MVS UR address BIN status BISTRING 1 TCTEIRST BIN status Reserved 1 * Reserved 1 * Reserved 1 * RESERVED for TRANS. EXCI 1 * TCTE_URINIT_NEEDED 1 * TCTE_URBIND_NEEDED 1.					
(1AC) ADDRESS 4 TCTEURAD MVS UR address (1BD) BITSTRING 1 TCTEIRST BIN status 1 Reserved 2.1. * RESERVED for TRANS. EXCI 1 TCTE_UR_ INIT_NEEDED UR client INIT needed 1 TCTE_UR_ BIND_NEEDED UR client BIND needed (1B1) CHARACTER TCTEGET4 Length for IRC Conv. LUWID, in the FORM of LL00ID (for possible WTO) (1B1) CHARACTER 1 * (1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESLWD LUWID (1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface	(1AA)		2		
1	(1AC)				
TCTEIRBN EXCI session RESERVED for TRANS. EXCI TCTE_UR_ INIT_NEEDED UR client INIT needed UR client BIND needed UR client BIND needed Length for IRC Conv. LUWID, in the FORM of LL00ID (for possible WTO) (1B1) CHARACTER 1 * Reserved (1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESLO0 ZEROS (1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface	(1B0)		1	ICIEIRSI *	
1 * RESERVED for TRANS. EXCI1 TCTE_UR_ INIT_NEEDED UR client INIT needed UR client BIND needed UR client BIND needed Length for IRC Conv. LUWID, in the FORM of LL00ID (for possible WTO) (1B1) CHARACTER 1 * Reserved (1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESLOO ZEROS (1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface				TCTEIRBN	
UR client INIT needed UR client BIND needed UR client BIND needed Length for IRC Conv. LUWID, in the FORM of LL00ID (for possible WTO) (1B1) CHARACTER 1 * Reserved (1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESLWD ZEROS (1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface				*	
UR client BIND needed Length for IRC Conv. LUWID, in the FORM of LL00ID (for possible WTO) (1B1) CHARACTER 1 * Reserved (1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESLWD LUWID (1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface		1		TCTE_UR_ INIT_NEEDED	UR client INIT needed
LUWID, in the FORM of LL00ID (for possible WTO) (1B1) CHARACTER 1 * Reserved (1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESL00 ZEROS (1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface		1		TCTE_UR_ BIND_NEEDED	UR client BIND needed
(1B1) CHARACTER 1 * Reserved (1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESL00 ZEROS (1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface					Length for IRC Conv.
(1B2) HALFWORD 2 TCTESLWN LTH of LUW ID + 4 (1B4) HALFWORD 2 TCTESL00 ZEROS (1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface		-	•	possible WTO)	
(184) HALFWORD 2 TCTESL00 ZEROS (186) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface				* TOTES! WIN	
(1B6) CHARACTER 35 TCTESLWD LUWID (1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface					
(1D9) CHARACTER 5 TCTEDLAB DL/I ABEND code (1DE) CHARACTER 5 TCTEGET5 Length for IRC Batch DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface					
DESCRIPTIVE NAME = Terminal Control Table System Entry PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface	(1D9)	CHARACTER		TCTEDLAB	DL/I ABEND code
PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface	(1DE)	CHARACTER		TCTEGET5	Length for IRC Batch
PRODUCT-SENSITIVE PROGRAMMING INTERFACE. The following fields form part of the Product-Sensitive Programming Interface	DE	SCRIPTIVE NAME	Torminal Car	ntrol Table System Estav	
The following fields form part of the Product-Sensitive Programming Interface					
	The	following fields form			
TOSACOM TOSELUC TOSESID TOSESUR TOSESUR TOSETYPE			OOFOID TO 2	YEONA TOOLOUP TOOLTY'S	
	ICS	SACCIM TUSELUC I	CSESID ICS	DEDNA IUDEDUK IUSETYPE	

Offset Hex	Туре	Len	Name (Dim)	Description				
(0) (0)	STRUCTURE CHARACTER	192 8	DFHTCTSE					
	CHARACTER CHAIN HEADER FI							
(8)	ADDRESS	4	TCSEDAID	Pointer to dummy AID				
the and actually chain points to the dand back and back and back actually chain and back actually chain and back actually chain and back actually chain actu	ointers. The dummy A 0 on the chain. The di ast AID on the chain. o the dummy AID. Th lummy AID. If the cha ckward pointers both	AID chain. TAID are the AID forward ummy AID b. The first AII are last AID's ain is empty, point to the	he only fields which forward and backward pointer points to the ackward pointer points b's backward pointer forward pointer points the dummy AID forward					
(C) (10)	ADDRESS ADDRESS	4 4	TCSESUSF TCSESUSB	FORWARD AID chain. BACKWARDS AID chain				
END	OF AID CHAIN HEA	DER FIELD	S					
(14)	CHARACTER	1	TCSETYPE	INTERPRETATION of later fields VTAM or M-M LINKS for a region which must be reached				
(15) (15)	CHARACTER BITSTRING 11111111111	1 1	TCSEILUC TCSEFLGS TCSELUC TCSELU6 TCSEMRO TCSESNG TCSESHU TCSESHU TCSESHU	via another (IE by DAISY-CHAINING). LUC flag byte LUC status This is a LUC system This is a LU6 system This is a MRO system Feature=SINGLE SHUTDOWN in progress XLNaction parameter. On=Force Surrogate				
(16) (18) (20) (28) (28) (28) (2C) (2C)	HALFWORD CHARACTER CHARACTER CHARACTER ADDRESS ADDRESS ADDRESS ADDRESS	2 8 8 8 4 4 4 4	TCSECNS TCSELEN TCSESID TCSEXSNM TCSEMM TCSESS1 TCSEVC1 TCSEMODE TCSEVC2	CHANGE_NO_SESS supported Entry length System NETWORK name External SECURITY name Shared database conversations * LUC only - 1st session VTAM - Primary sessions LUC only - mode ENTRY VTAM - Secondary sessions				
Access	Method VALUES SA		CTTE field TCTEAMID					
(30) (31) (32) (33)	BITSTRING BITSTRING BITSTRING BITSTRING 1	1 1 1 1	TCSACCM TCSEDSP TCSEDBA TCSEI_AI TCSETRAN TCSE_CLONE TCSE_CATLG_NO TCSE_IMPLICIT_ DELETE	Access Method flags DATA-STREAM De-blocking algorithm APPC autoinstall flags Transient system Cloned system AI not catalogued				
	1		TCSE_DELETE_ AT_RESTART	Al delete Al delete after EMER				
	1		TCSE_DELETE_ SCHEDULED	AI DFHIC CATD sched				
	1.		TCSE_DELETE_ STARTED	AI DFHZATD started				
	1		TCSE_DELETE_ AND_LOGON	A STEAT Stated				
				AI BIND during delete				
	TEM ENTRY - VTAM RRENT STATISTICS	SPECIFIC						
(34) (36) (38) (3A) (3C)	HALFWORD HALFWORD HALFWORD HALFWORD UNSIGNED	2 2 2 2 2	TCSEALL TCSESALL TCSEBID TCSE2RY TCSERTK	Number of AID'S in CHAIN Number of non-specific AID Number of BIDS in progress Secondaries currently used RTT entry number.				
-	HIGH WATER MARKS							
(3E) (40) (42)	HALFWORD HALFWORD HALFWORD	2 2 2	TCSESTAM TCSE2HWM TCSEBHWM	Maximum number of allocates outstanding Secondaries used Maximum number of BIDS				
ACC	UMULATORS							
(44) (48) (4C)	FULLWORD FULLWORD FULLWORD	4 4 4	TCSES2 TCSES1 TCSESBID	ATI'S SAT. by secondaries ATI'S SAT. by primaries Number of BIDS sent				
	LINK STATISTICS							
(50) (54) (58) (5C)	FULLWORD FULLWORD FULLWORD FULLWORD	4 4 4 4	TCSESTAS TCSESTAQ TCSESTAF TCSESTAO	Number of allocates for LINK Number of allocates QUEUED Allocates failing - LINK SHUT Allocates failing - OTHER				

Offset Hex	Туре	Len	Name (Dim)	Description
(60)	FULLWORD	4	TCSESTFC	Number of FC requests
(64)	FULLWORD	4	TCSESTIC	Number of IC requests
(68)	FULLWORD	4	TCSESTTD	Number of TD requests
(6C)	FULLWORD	4	TCSESTTS	Number of TS requests
(70)	FULLWORD	4 4	TCSESTDL TCSESTTC	Number of DL/1 requests Number of TERM SHR REQS
(74) (78)	FULLWORD HALFWORD	2	TCSEMXQT	Allocate queue time
(76) (7A)	HALFWORD	2	TCSEQPCT	MAXQTIME queue purge count *
(7C)	HALFWORD	2	TCSEMQPC	MAXQTIME alloc.s purged
(7E)	CHARACTER	2	*	Reserved
(80)	FULLWORD	4	TCSEZQRJ	XZIQUE rejects
(84)	HALFWORD	2	TCSEZQPU	XZIQUE purge conn count
(86)	HALFWORD	2	TCSEZQPC	XZIQUE allocs.s purged
Generi	c Resource Flags			
(88)	BITSTRING	1	TCSEI_GR	Generic Resource Flags
	1		TCSE_GR TCSE_GRNAME_ CONN	Both sides GR registered 1 = TCSESID is GR name TCSEX62N membername 0 = TCSESID membername TCSEX62N is GR name
	1		TCSE_USE_ OUR_MEMBER_NAME	Partner used our member name
	1		TCSE_MSG179_ ISSUED	ZC0179 Msg Issued
	1		TCSE_CATLG_DONE TCSE_MSG177_ ISSUED	Defined connection with affinity is catalogued
			100L_M00177_ 1000LD	Msg ZC0177 issued
(89)	BITSTRING	1	TCSE_MISC	Miscelaneous
	1		TCSESSRE	Shunt received since restart
	.1		TCSE_SD_ HANG_REPORTED	
				on if ZC2352 written
(0.4)	1		TCSEUDU	Use default user
(8A) (8C)	HALFWORD HALFWORD	2 2	TCSE1RY TCSE1HWM	Primaries currently used Peak number of Primaries used
(8E)	HALFWORD	2	TCSEARC8	Allocates after RC8 XZIQUE
(90)	ADDRESS	4	TCSENEXT	Address of next TCTSE
(94)	CHARACTER	5	*	
(94)	UNSIGNED	2	TCSENQCT	ENQ count for task
(96)	CHARACTER	3	TCSENQTI	Task id of ENQ holder
(99)	BITSTRING	1	TCSEDII	DYNAMIC INSTALL inds
	1		TCSEDAP TCSEDDP	DYNAMIC ADD pending DYNAMIC DELETE pending
	1		TCSEPNAC	Pending AUTOCONNECT
	1		*	Reserved
	1		TCSEORIS	Indirect System not ready
	1		TCSEPNOS	Pending ¬INSERVICE
	1.		TCSEPNLG	Pending CREATESESS
	1		TCSEPNAA	Pending AUTOCONNECT ALL
(9A)	CHARACTER	2	TCSEINUC	(Packed) Indirect system count
(9C)	ADDRESS	4	TCSE_REMDEL_ CHAIN	Address next REMDEL system@QWA
(9C) (A0)	ADDRESS UNSIGNED	4 2	TCSESKA TCSESRTK	Skeleton address Saved RTT entry number e.g. for APPC terminals
(A0) (A2)	BITSTRING	1	TCSEDII2	DYNAMIC INSTALL inds
(7 (2)	1		TCSERDLR	Remote delete required
	.1		TCSETMC	TMP action taken for TCTS
	1		TCSEMROP	SHIP done to this system
	1		TCSEMROG	We got shipped remotes
	1		TCSECRRD	Remote reset done
	1		TCSECRSR	DFHCRS running
	1. 1		TCSEUIP TCSEACT	Ltd. XRF update-in-place Remote APPC defined asterminal
(A3)	CHARACTER	1	TCSEDII3	Remote AFFC defined asteminal
(73)	1	'	TCSECSRE	Contact with partner since restart
	.1		TCSERC8	RC8 from XZIQUE
	1		TCSEQLIM	Queue limit set?
	1		TCSEQTIM	Max queue time set
	llowing indicate revise lext flag says whether Correlators and Sta	revised rule	es for Conversation	
		41.01-11011		On FOCC is supported
	1		TCSEAR0I	On = FQCC is supported
Off	= FQCC is not support	orted		
	1		TCSECRTE	CRTE activity flag
	1.		TCSEPGIP	Purge in progress
	1		TCSE_SYSTEM_	
			SUPPORTS_TIMEOUT	time and assessment de DLA
(HALFWORD	2	TCSEALIM	timeout supported@DLA
(A4) (A6)	HALFWORD	2	TCSEACNT	CEDA allocate queue limit Queued Allocates processed
(A8)	CHARACTER	8	TCSEACTT	Time alloc Queue began
(B0)	CHARACTER	4	TCSETAQ	Number of allocates queued
(B4)	CHARACTER	4	TCSEALRJ	QLIMIT alloc.s rejected
(B8)	FULLWORD	4	TCSESTPC	Number of PC requests

Offset Hex	Туре	Len	Name (Dim)	Description
(BC)	CHARACTER	2	TCSE_SUPPORTS_ FUNCTION	
(BC)	BITSTRING	1	TCSE_SUPPORTS_ FLG1	Function string Flag1
	1		TCSE_ROUTABLE_ START	
(BD)	BITSTRING	1	TCSE_SUPPORTS_ FLG2	Routable START Flag2
(BE) (C0) (C0)	CHARACTER CHARACTER CHARACTER	2	TCSE_RESERVED TCSECOMN TCSEGET1	Reserved End of common part Length for ZC Install

SYSTEM ENTRY - LU 6.1 and LU6.2

	_			
Offset Hex	Туре	Len	Name (Dim)	Description
(C0)	STRUCTURE	76	*	
(C0)	CHARACTER	8	TCSE NETID	Network indentifier
(C8)	CHARACTER	8	TCSEX62N	XRF specific name or
(C8)	CHARACTER	8	TCSEX61N	GR name or member name
(D0)	CHARACTER	J	TCSEGET6	Length of LU6.1 system entry
(D0)	BITSTRING	1	*	Edingar or 200.1 System only
(50)	1		TCSEPSF	PSH flag bytes supported
	.1		TCSEWRS	No sessions bound. Scan for resync at next contact *
	1		TCSEXLD	EXCHANGE LOGNAME done
	1		TCSEPRA	Presumed Abort support
	1		TCSE LR	Limited Resource
	1		TCSEANB	ACQ but No Bound sessions
	1.		TCSE_PRSS_RECOV	Per. Sess. Recovery rgd
	1		TCSE_XLN_COLD	Hot/Cold XLN failure
(D1)	CHARACTER	1	*	Reserved
(D2)	BITSTRING	1	*	LU6.2 Security flag
	1		TCSEPNAR	Partner SPM not active
	.1		TCSE_PRSS_ REC_ACT	Track pers. resources
	1		TCSE_PRSS_ REL_CONN	
				Release connection
	1		TCSE_CLPEND	XLNaction race control
	1		TCSEFBN	Sessions already bound
	1		TCSEBTCH	Batched Resync support
	1.		TCSECAL	CONNECT=ALL
	1		TCSEBSY	BINDSECURITY keyword used

LU 6.2 Security bits indicating what ATTACH_SECURITY we support and the partner supports. The mapping from the ATTACH_SEC keyword on the CEDA DEFINE CONNECTION or TERMINAL panel is: :XMP

ATTACH_SEC | Bind Indicators | UP | AV | PV | | UP | AV | PV | LOCAL | 0 | 0 | 0 | VERIFY | 1 | 0 | 0 | IDENTIFY | 1 | 1 | 0 | 1 | PERSISTENT | 1 | 0 | 1 | MIXED | 1 | 1 | 1 | :EXMP

(D3)	BITSTRING	1	TCSE_ATTACH_SEC	LU6.2 Security Flags
	1		TCSE_MY_UP	Local UP setting
	.1		TCSE_MY_AV	Local AV setting
	1		TCSE_MY_PV	Local PV setting
	1		TCSE_HIS_UP	Remote UP setting
	1		TCSE_HIS_AV	Remote AV setting
	1		TCSE_HIS_PV	Remote PV setting
			*	Reserved

The Userid Table area TCSEUTA is an internal control block within the TCSE. It contains a pointer to the Local Userid Table (LUIT) associated with the connection, the 4 character SYSID and some flags defining the state of the LUIT.

(D4)	CHARACTER	12	TCSEUTA	Userid Table Area
(D4)	ADDRESS	4	TCSELUIT	Ptr to Local Userid Table.Copy of LOCAL_USERID_TABLE_AREA
(D8)	CHARACTER	4	TCSESYSI	SYSID
(DC)	BITSTRING	1	TCSELFLG	LUIT Global Flags
	1		TCSETOIP	Time Out In Progress flag
	.111 1111		*	Reserved
(DD)	CHARACTER	3	*	Reserved for ZCUT
OTHER TOOK FIFE DO				

OTHER TCSE FIELDS....

(E0) BITSTRING TCSE_PRSS_FLAGS Persistent Sessions flags 1...1.. TCSE_REL_REQD Connection in shutdown TCSE_PRSS_ PS_REQD State record not found

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCSE_LR_CATLGED TCSE_PRSS_ OPNDST_ RESTORE_FAILED TCSE_PRSS_ WAS_SHUTTING	LR bit set in global cat
				Unbind all
	111		*	Reserved
(E1)	BITSTRING 1	1	TCSE_CBD_ SECURITY TCSE_MY_CBDSEC TCSE_MY_ CBDSEC_REQD	CBD security flags CBD security selected
	1		TCSE_EXTENDEDONLY	0=ACC or 1=REQ prtcol Reject Local sec. attch
	1		TCSE_HIS_CBDSEC TCSE_HIS_ CBDSEC_REQD	Reserved Partners CBD security
				ACC/REQ protocol
	1.		TCSE_EXT_ SEC_FBN	ext sec. frst BND occrd
(E0)	1		TCSE_HIS_ EXT_SEC	ext security indicated
(E2) (E4)	CHARACTER UNSIGNED	2 4	TCSE PRA	Reserved for alignment Persistent Resource count
(E8)	CHARACTER	8	TCSE_FRA TCSE_AI_ CREATE_TIME	reisistent Resource count
(-/				Autoinstall GMT time
(F0)	ADDRESS	4	TCSE_DISTINGUISHED_ NAME_PTR	
				Unique name
(F4)	CHARACTER	8	TCSE_TITOKEN	token for remote delete
(FC) (FE)	HALFWORD BITSTRING	2 1	TCSE_APPC_CONV TCSEI CC FLAG	Active conversations
(FE)	1	1	TCSECCIN	CICS client flag byte CCIN has been run
	.111 1111		*	Reserved
(FF)	CHARACTER	1	*	Reserved
(100)	ADDRESS	4	TCSE_CCINDATA_ PTR	PTR CICS client data
(104)	ADDRESS	4	TCSE_LU61_CHAIN	Next LU61 system
(108)	BITSTRING	1	TCSE_CQP_FLAGS TCSE_CQP_ SUPPORTED	Flags for Connection Quiesce protocol
				CQP supported
	.1		TCSE_ENDAFFIN_ REQD	000
	1		TCSE_CQPI_ COMPLETE	CQP requested ENDAFFIN
	1		TCSE_CQPO_ ATTACHED	Inbound CQP complete
	1 1		TCSE_CQP_ COMPLETE TCSE_CQP_FAILED	Outbound CQP attached CQP has completed CQP has failed
	11		*	reserved
(109)	CHARACTER	3	*	reserved for alignment
(10C)	CHARACTER		TCSEGET4	Length for ZC Install

SYSTEM ENTRY - M-M SPECIFIC

Offset	Туре	Len	Name (Dim)	Description
Hex				
(C0)	STRUCTURE	4	*	
(C0)	HALFWORD	2	TCSESECN	No of secondaries sessions *
(C2)	HALFWORD	2	TCSEPRMN	No of primaries sessions
Offset	Туре	Len	Name (Dim)	Description
Hex	OTDUOTUDE		*	
(C0)	STRUCTURE	20	*	
(C0)	CHARACTER	4		Leave room for previous two *
(C4)	ADDRESS	4	TCSEIRCH	Chain of IRC system entries *
(C4)	ADDRESS	4	TCSE_MRO_CHAIN	Alternative name for IRCH
(C8)	BITSTRING	1	TCSEIRCF	Flags
	1		*	Reserved
	.1		TCSEIRNC	Not connected
	1		TCSEIRMD	PRI/SEC MISMATCH DIAGNOSED *
	1		TCSEIDEF	Defined to IRC
	1		TCSEIRXM	Cross Memory acceptable
	1		TCSEIRSF	FIRST ATTACH OK
	1.		TCSEINBT	EXCI connection
	1		TCSEIAID	We need USERSEC=IDENTIFY
(C9)	BITSTRING	1	TCSEIRF2	Flags
	1		TCSEIRXU	Cross Memory in use
	.1		TCSEIRIC	Outbound connects initiated * for this sys since connections last severed
	1		TCSEIRXC	XCF connection
	1		TCSEIRCQ	CONNECT wk el already q'd
(CA)	CHARACTER	8	TCSESTOD	Latest CONNECT timestamp

Offset Hex	Туре	Len	Name (Dim)	Description
(D2)	CHARACTER	2	*	Reserved
(D4)	CHARACTER		TCSEGET3	Length for ZC Install

SYSTEM ENTRY - INDIRECT ROUTE

Offset	Туре	Len	Name (Dim)	Description
Hex				
(C0)	STRUCTURE	8	*	
(C0)	ADDRESS	4	TCSEINDA	Address of another system entry, on route to remote region.
(C4)	CHARACTER	4	TCSEINDN	Name of other system *
(C8)	CHARACTER		TCSEGET2	Length for ZC Install

DESCRIPTIVE NAME = Terminal Control Table Mode Group Entry

Offset	Туре	Len	Name (Dim)	Description
Hex	Турс	Len	Hame (Dilli)	Безсприон
(0)	STRUCTURE	138	DFHTCTME	
(0)	CHARACTER	8	*	
(8)	CHARACTER	8	TCMEMODE	Mode group name
(10)	ADDRESS	4	TCMENXT	Address of next mode group in this system
(14)	ADDRESS	4	TCMESESA	Address of 1st session in this group
(18)	ADDRESS	4	TCMESYSA	Address of 1st session in this group Address of system entry
(1C)	HALFWORD	2	TCMELEN	Length of this mode entry
			TOWELLIN	Longer of the mode only
	STEM STATISTICS			
(1E)	HALFWORD	2	TCMELMAX	LOCAL_MAX_ALLOWED
(20)	HALFWORD	2	TCMEMCON	MINIMUM number of contention WINNERS acceptable for this mode group
(22)	HALFWORD	2	TCMEMAXS	MAX_SESSION_COUNT
CUI	RRENT STATISTICS			
(24)	HALFWORD	2	TCMECONW	Currently CNOS negotiated contention WINNERS
(26)	HALFWORD	2	TCMECONL	Currently CNOS negotiated contention LOSERS
(28)	ADDRESS	4	TCMELST	Address of last session in this group
(2C)	HALFWORD	2	TCMEZQPC	XZIQUE alloc.s purged
(2E)	HALFWORD	2	TCMEBID	Number of BIDS in progress
(30)	HALFWORD	2	TCME2RY	LUC contention WINNERS count
(32)	HALFWORD	2	TCMEBND	Currently bound sessions
(34)	HALFWORD	2	TCME1RY	Current no of losers in use
HIG	H WATER MARKS			
(00)	LIAL EWODD		TOMEOTANA	Mariana and a second a second and a second a
(36)	HALFWORD	2	TCMESTAM	Maximum number of allocates outstanding
(38)	HALFWORD	2	TCME2HWM	LUC MAX No. WINNERS
(3A)	HALFWORD	2	TCMEBHWM	Maximum number of BIDS
(3C)	UNSIGNED	2	TCMERTK	RTT entry number
(3E)	HALFWORD	2	TCME1HWM	Peak contention losers
ACC	CUMULATORS			
(40)	FULLWORD	4	TCMES2	LUC ATI'S SAT by WINNERS
(44)	FULLWORD	4	TCMES1	LUC ATI'S SAT by LOSERS
(48)	FULLWORD	4	TCMESBID	Number of BIDS sent
ISC	C LINK STATISTICS			
(4C)	FULLWORD	4	TCMESTAS	Number of allocates for LINK
(50)	FULLWORD	4	TCMESTAG	Number of allocates for Environment of Allocates QUEUED
(54)	FULLWORD	4	TCMESTAF	Allocates failing - LINK SHUT
(58)	FULLWORD	4	TCMESTAO	Allocates failing - OTHER
(5C)	FULLWORD	4	TCMESTAG	Generic allocs satisfied
(60)	FULLWORD	4	TCMESTAP	Specific allocs satisfied
(64)	CHARACTER	1	*	Reserved
(65)	BITSTRING	1	TCMEDII	DYNAMIC INSTALL indicators
(55)	1	•	TCMEDAP	DYNAMIC ADD pending
	.1		TCMEDDP	DYNAMIC DELETE pending
	1		TCMEPNAC	Pending AUTOCONNECT
	1 1		*	TCME - Reserved
	1		TCMEPNOS	Pending ¬INSERVICE
	1.		TCMEPNLG	Pending CREATESESS.
	1		TCMEPNAA	Pending AUTOCONNECT all
(66)	BITSTRING	1	TCMEDII2	DYNAMIC INSTALL indicators
(55)	1	•	*	RESERVED
	.1		TCMEUIP	Update in place
	11 1111		*	RESERVED
(67)	CHARACTER	1	*	TCME - Reserved
(68)	HALFWORD	2	TCMEPMAX	Potential LOCAL_MAX_ALLOW
(6A)	HALFWORD	2	TCMEPMCO	Potential MAX CON WINNERS
(6C)	ADDRESS	4	TCMEDPGR	Address of MACRO version
(70)	BITSTRING	1	TCMEIFG1	Flags - 1
(- /				

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCMELSM	LU SERVICES MANAGER TCTME
	.1		*	Reserved
	1		TCMECON	CONNECT=AUTO
	1		TCMECNO	initial CNOS sent
	1		TCMEBCL	CICS to BIND CON_LOSERS
	1		TCMEPCN	Postponed CNOS needed
	1.		TCMEOUT	Mode group OUT OF SERVICE
	1		TCMECLO	Mode group TEMP. CLOSED
(71)	BITSTRING	1	TCMEIFG2	Flags - 2
	1		TCMETRM	Performing TERMINATION
	.1		TCMEACT	ACTIVATE SCAN flag
	1		TCMESHU	SHUTDOWN in progress
	1		TCMEINT	Initial CNOS x'chge done
	1		TCMEERR	Permanent Error in mode group
	1		TCMER12	RC12 issued by XZIQUE
	1.		TCME_LOCK_ DENIED	Busy on CNOS target sys
	1		TCMEPGIP	Purge in progress
(72)	HALFWORD	2	TCMEACNT	Queued Allocates processed
(74)	HALFWORD	2	TCMEAR12	Allocates after RC12
(76)	HALFWORD	2	TCMEQPCT	XZIQUE purge mode count
(78)	CHARACTER	8	TCMEAQTS	Time alloc Queue began
(80)	ADDRESS	4	TCME_LOCK_TOKEN	LM token for CNOS lock
(84)	HALFWORD	2	TCME_ORD_COUNT	Outstanding remote deactivation count
(86)	HALFWORD	2	TCME_WTL_COUNT	Expected unbinds for Winner-To-Loser switch
(88)	HALFWORD	2	TCME_LTW_COUNT	Expected unbinds for Loser-To-Winner switch
(8A)	CHARACTER		TCMEGET	Length for ZC Install

DESCRIPTIVE NAME = TCTTE BMS Extension

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	52	TCTTETTE	TCTTE BMS Extension
(-)				
(0)	UNSIGNED	1	TCTTEELN	Entry length (includes PARTITION Extension for BTAM)
(1)	BITSTRING	1	*	Reserved
(2)	CHARACTER	3	TCTTEOCL	Operator class code
(5)	BITSTRING	2	TCTTETFS	Terminal features
(5)	BITSTRING	1	TCTTEFMB	BMS flag bytes
	1		TCTTEOBO	OBOPID specified
	.1		TCTTETFV	VERTICAL format feature
	1		TCTTETFH	FORM FEED feature
	1		TCTTENRA	DON'T route with LIST = ALL
	1		TCTTENR	NEVER route to this terminal
	1		TCTTEFMP	User FMH PARAMS supported
	1.		TCTTEOBF	
				OUTBOARD FORMATTING support data
(=)	1		TCTTETFM	2780 MULTI-RECORD feature
(6)	BITSTRING	1	*	
	1 .1		TCTTELDC *	BMS LDC device
	1		*	
	1		*	
	1		*	
			*	
	1		*	
	1.			
	1		TCTTETFF	HORIZONTAL format feature
(7)	UNSIGNED	1	TCTTEPGL	3270 default PAGE size ROWS *
(8)	UNSIGNED	1	TCTTEPGC	3270 default PAGE size COLS *
(9)	UNSIGNED	1	TCTEAPGL	3270 alternate PAGE size ROWS *
(A)	UNSIGNED	1	TCTEAPGC	3270 alternate PAGE size COLS *
(B)	BITSTRING	1	TCTTEPGB	Terminal Paging Status
	1		TCTTEPGP	TRMSTAT=PAGE
	.1		TCTTEPGR	TRMSTAT TEMP INVERTED
	1		TCTTEPGD	DISPLAY status
	1		TCTTEPGI	DISPLAY status task
	1		TCTTEPGG	CONVERSATIONAL pages
	1		TCTTEPGO	Some MCB has EODPURG=OPER
	1.		TCTTEPG3	Terminal is 3270
	1		TCTTEPGA	PURGE BMS PAGE after ATNI
(C)	CHARACTER	3	*	Reserved BMS Extension
	CHARACTER	1	TCTTEDDS	DEVICE DEPENDENCE suffix
(F)		1		MAP SET suffix
(10)	CHARACTER	-	TCTTEMSS	
(11)	CHARACTER	1	TCTTEAMS	ALTERNATE MAP SET suffix
(12)	HALFWORD	2	TCTTEBFS	Buffer suffix
(14)	ADDRESS	4	TCTTEPSA	System SPOOLING EXTN.address *
(18)	ADDRESS	4	TCTTETPA	(DFHTCTPE) address
(1C)	ADDRESS	4	TCTTEXHN	-> TCTTE if dynamic entry *
(20)	ADDRESS	4	TCTTEPGM	Addr of first message CB
(24)	CHARACTER	8	TCTTEBMN	Name of last mapset
(2C)	CHARACTER	7	TCTTEMAP	Name of last map
(33)	CHARACTER	1	*	Reserved
(34)	CHARACTER		TCTTEEXE	End of extension

DESCRIPTIVE NAME = TCTTE Special Features Extension

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	28	TCTTEPSE	
(0)	UNSIGNED	1	TCTTEQLN	Extension length
(1)	BITSTRING	1	TCTTEQSL	Printer RSL
(2)	CHARACTER	2	TCTTEQPT	Printer type, X'32XX'
(4)	CHARACTER	8	TCTTEQST	Spooling target printer
(4)	CHARACTER	8	TCTTEQSD	Spooling printer dest.ID *
(C)	CHARACTER	4	TCTTEQF	Spooling forms ID
(10)	ADDRESS	4	TCTTEQAP	Spooling control block address *
(14)	HALFWORD	2	TCTTEQLC	Spooling line-up counter
(16)	CHARACTER	1	TCTTEQCL	Spooling device class
(17)	BITSTRING	1	*	Spooling flag byte
	1		TCTTEQPM	No printed messages *
(18)	CHARACTER	4	*	Reserved *
(1C)	CHARACTER		TCTTEPXE	End of SYS.SPOOLING EXTN.

DESCRIPTIVE NAME = TCTTE LUTYPE6.2 Extension

Offset Hex	Туре	Len	Name (Dim)	Description			
(0)	STRUCTURE	236	TCTTELUC	Start of LUC Extension			
This	This area (from TCTE_LUCX_TRACE to TCTE_LUCX_TRACE_LEN) is traced in some ZC level 1 trace formats						
(0)	CHARACTER	64	TCTE_LUCX_TRACE	LUCX trace area			
(0)	CHARACTER	1	TOTTELLII	Locath of extension			
(0)	UNSIGNED	1	TCTTELUL	Length of extension			
(1)	CHARACTER	3	TCTESTAT	LU 6.2 state bytes			
(1)	BITSTRING	1	TCTELUC1	Flag byte 1			
	1		TCTEPLL	PARTIAL LL count set			
	.1		TCTECEBS	CEB to be sent			
	1		TCTECEBR	CEB received			
	1		TCTECCDS	CD to be sent			
	1		TCTECCDR	CD received DR2 to be sent			
	1.		TCTECDR2 TCTECDR1	DR2 to be sent			
	1		TCTECDRT	Remember DR1 RQD			
(2)	BITSTRING	1	TCTELUC2				
(2)	1	'		Flag Byte 2			
	.1		TCTEFMS	FMH to be sent			
	1		TCTEPEY	FMH received -ER* received			
	1		TCTEDEX TCTERCR	-ZLSX given return code			
	1		TCTEBUF	buffer type RECEIVE			
	1		TCTERCL	ZRVL recalled by ZRLX			
	1.		TCTELLK	LL set by caller			
	1		TCTEIMP	IMPLICIT SEND			
(3)	BITSTRING	1	TCTELUC3	Flag Byte 3			
(0)	1	•	TCTELUN	LUSTAT for NULL RU			
	.1		TCTUAXFI	TCTUA XFRMD from TOR			
	1		TCTELIC	Resp to LUSTAT CEB,RQD2 o/s			
	1		TCTERES	Response to be sent			
	1		TCTEAHB	ATT FMH generated			
	1		TCTERQD2	SEND with RQD2			
	1.		TCTERQD1	SEND with RQD1			
	1		TCTERQE	SEND with ER1			
(4)	ADDRESS	4	*	reserved (was TCTEURDA)			
(8)	ADDRESS	4	*	reserved (was TCTEPURD)			
(C)	ADDRESS	4	*	reserved (was TCTEHURD)			
(10)	CHARACTER	1	TCTESPL	CONV SYNCPOINT level			
(11)	CHARACTER	1	TCTECVT	Conversation type			
	1		*				
	.1		*				
	1		*				
	1		*				
	1		*				
	1		<u>.</u>				
	1.		TOTEMADD	"MADDED"			
(40)	1 UNSIGNED	1	TCTEMAPD TCTEPLLC	"MAPPED"			
(12)	UNSIGNED	1	TCTECCL	PARTIAL LL count CONV. CORRELATOR length			
(13) (14)	CHARACTER	8	TCTECC	Conversation CORRELATOR			
(14) (1C)	ADDRESS	4	TCTESBA	SEND buffer address			
(20)	FULLWORD	4	TCTESBL	SEND buffer length			
(24)	ADDRESS	4	TCTESBDA	next slot in SEND buffer			
(24)	FULLWORD	4	TCTESBDL	DATE length in SEND BFR			
(2C)	ADDRESS	4	TCTERBA	RECEIVE buffer address			
(20)	50200	•	. 3 . 2				

Offset Hex	Туре	Len	Name (Dim)	Description
(30)	FULLWORD	4	TCTERBL	RECEIVE buffer length
(34)	ADDRESS	4	TCTERDA	Next slot in RECV buffer
(38)	FULLWORD	4	TCTERBDL	Data length in RECV buffer
(3C)	HALFWORD	2	TCTELLC	LL count
(3E)	HALFWORD	2	TCTENLLC	New LL count
(3E)	UNSIGNED	1	TCTELSED	Length of RCVD seed
(3F)	UNSIGNED	1	TCTELENC	Len of RCVD TRANSFRMD PWD
TC1	E_LUCX_TRACE_L	EN End of LU	JCX trace area	
(40)	ADDRESS	4	TCTEAPBF	APPL buffer address
(44)	FULLWORD	4	TCTEAPBL	APPL buffer length
(48)	CHARACTER	8	TCTERENC	BIND password seed RCVD in bnd
(48)	FULLWORD	4	TCTEMAXL	User MAX data required
(4C)	FULLWORD	4	TCTEDATL	Length of data received
(50)	ADDRESS	4	TCTEFMHA	Address of FMH received
(54)	HALFWORD	2	TCTELLCT	LL required
(56)	BITSTRING	1	TCTECUSR	Conversation use flags
	1111 11		*	Reserved
	1.		TCTECPIC	conversation is CPIC
(57)	1	1	TCTENCPC	conversation is not CPIC
(57)	CHARACTER 1	'	TCTEIIR	Miscellaneous bits Interested in responses
	.1		TCTE_PRSS_ MATCHED	TCTTE matched to NIB
	1		TCTE_PRSS_ MATCHED	TOTTE matched to Nib
			REJ_ATTACH	
				Reject attach flag
	1		TCTE_PRSS_	
			REM_SCHED	
			TOTELIDI	Remote schedule flag
	1		TCTENRI *	Not Receive Immediate
(50)	ADDRESS	4	TCTERCSA	reserved RECEIVE SET address
(58) (5C)	ADDRESS	4	TCTELHNP	-> TCTTE
(60)	CHARACTER	1	TCTESIL	SESSION INSTANCE length
(61)	CHARACTER	8	TCTESII	SESSION INST identifier
(69)	CHARACTER	3	TCTESECA	Reserved
(6C)	ADDRESS	4	*	Reserved
(70)	CHARACTER	8	TCTETPWA	BIND security work area
(78)	CHARACTER	1	TCTESONC	CLSDST SON code
(79)	CHARACTER	2	TCTESSNS	System sense code
(7B)	CHARACTER	2	TCTEUSNS	User sense code
(7D)	CHARACTER	1	TCTETLD	ETL Deferred Data Flag
	1		TCTETLDD	ETL is deferring the data
(75)	.111 1111	2	TOTE DID OFO	unused
(7E) (80)	HALFWORD CHARACTER	32	TCTE_BID_SEQ TCTEBLST	Persistent Sessions BB seqno. save area Buffer list
(A0)	CHARACTER	8	TCTEPENC	Primary encrypted seed
(A8)	FULLWORD	4	TCTEPCLK	Previous TOD clock bits for LU62 bind
(AC)	ADDRESS	4	TCTERPLB	Second RPL
(B0)	FULLWORD	4	TCTEMINL	Minimum II to receive
(B4)	BITSTRING	1	TCTEVOP3	Operation in progress
	1		TCTERIP	Receive in progress
(B5)	BITSTRING	1	TCTERPBS	LU62 RPL_B state machine
(B6)	BITSTRING	1	TCTE_BID_STATUS	Persistent Sessions status for LU62 recovery
(B7)	BITSTRING	1	TCTE_RESP_STATUS	Persistent sessions status@R7C for response recovery
(B8)	CHARACTER	8	TCTESEED	BIND PASSWORD seed sent in bnd
(C0)	CHARACTER	8 4	TCTERSED	BIND PASSWORD seed RCVD in bnd
(C8) (CC)	ADDRESS ADDRESS	4	TCTERERA TCTERBLA	LU62 RPL_in_error address Logical LU62 recv buf addr
(D0)	UNSIGNED	4	TCTERBLL	Logical LU62 recy but addit
(D0) (D4)	ADDRESS	4	TCTECPCA	CPC address
(D4)	CHARACTER	4	TCTERSFR	RELAY SESSION failed reason code
(DC)	CHARACTER	8	TCTE_MY_ATT_SEQ	Local attach sequence num
(E4)	CHARACTER	8	TCTE_HIS_ATT_SEQ	Partner attach seg num
(ÈC)	CHARACTER		TCTTELCE	End of LUC extension

DESCRIPTIVE NAME = TCTTE NIB Descriptor Extension

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	100	TCTENIB	Start of NIB DESCRIPTOR
This			o TCTE_NIBD_TRACE_LEN) is	
	traced in some ZC leve	el 1 trace	formats	
(0)	CHARACTER	20	TCTE_NIBD_TRACE	NIBD trace area
(0)	CHARACTER	3	*	ALIGN length field
(3)	UNSIGNED	1	TCTENLEX	Length of DESCRIPTOR
(4)	ADDRESS	4	TCTENPTR	Address of NIB
(8)	ADDRESS	4	TCTENUSA	User area
(C)	CHARACTER	8	TCTENNAM	Symbolic node name

Offset Hex	Туре	Len	Name (Dim)	Description		
TCTE	_NIBD_TRACE_LE	N End of NI	BD trace area			
(14)	CHARACTER	8	TCTENLOG	LOGMODE		
(1C)	UNSIGNED	1	*	Reserved		
(1D)	UNSIGNED	1	TCTENIBN	NIB model INDEX number		
(1E)	UNSIGNED	1	TCTENBDR	BIND routine type number		
(1F)	UNSIGNED	1	TCTENDVP	Device address copied from NIB		
(20)	ADDRESS	4 4	TCTENBDS	A(SAVED BIND AREA)		
(24) (28)	FULLWORD CHARACTER	4	TCTENBDL TCTEKSS	LENGTH OF THE BIND SESSION PARAMETERS SAVED BY SCIP Command sense codes		
(28)	CHARACTER	1	TCTEKSS1	System sense 1		
(29)	CHARACTER	1	TCTEKSS2	System sense 2		
(2A)	CHARACTER	1	TCTEKUS1	User sense 1		
(2B)	CHARACTER	1	TCTEKUS2	User sense 2		
(2C)	CHARACTER	6	TCTESTNR	Number (STSN) indicators BUILD/RECEIVE area		
(2C)	CHARACTER	1	TCTESTRI	FLOW		
(2D)	CHARACTER	1	TCTESTAC	STSN actions		
equal th RPL, sir correspo	e values for the corr nce the TCTTE fields anding field from the	esponding of are set by RPL.	copying the	OTON.		
(2D)	CHARACTER	1	TCTESTRP	STSN response byte storage *		
(2E) (30)	HALFWORD HALFWORD	2	TCTESTIB TCTESTOP	Number Number		
(32)	HALFWORD	2	TCTESQCI	COMPLEMENTARY version of MY INBOUND FLOW'S logical SEQ. number		
(34)	HALFWORD	2	TCTESQCO	COMPLIMENTARY version of MY OUTBOUND FLOW'S logical SEQ. number		
(36)	HALFWORD	2	TCTESQCM	Command sequence number		
(38)	CHARACTER	8	TCTENRBD	ECHOED BYTES of BIND response invalid		
(40)	BITSTRING	1	*	A 19 1		
	1 .1		TCTEPSES TCTENBLE	And its value NEG BIND specified		
	1		TCTENBLE	NEGOTIABLE response required		
	1		TCTETNNB	TRY not NEG BIND		
	1		*	reserved		
	1		*	reserved		
(41)	BITSTRING	1	TCTEERPV	Error processing REASONCODE		
(42)	CHARACTER	16	TCTESQP	Session QUALIFIER PAIR		
(42) (43)	CHARACTER BITSTRING	1 1	TCTESQPL	Length of SQP field SQP field ID - X'01'		
ILIPS The there Addi Whe of th the I alwa will I	The format of the SESSION QUALIFIER PAIR IS: L PSQ L SSQ where L is a one byte length The lengths of both TCTEPSQ and TCTESSQ are from 0 to 8, therefore the position of TCTTESSQL is calculated as the Address of TCTEPSQ + the CONTENTS of TCTEPSQL. When CICS is the PRIMARY SESSION then the LENGTH of the PSQ IS 4, when it is the SECONDARY SESSION then the LENGTH of the SSQ is 4 IE. The CICS SESSION NAME always has a LENGTH of 4 while the OTHER SESSION NAME will have a LENGTH of 0 to 8.					
(44)	CHARACTER	1	TCTEPSQS	Start of PSQ		
(52)	BITSTRING	1	*	Length of PASSWORD (X'00')		
(53)	BITSTRING 1	1	TCTNNTMC	TMP action taken for TCNT		
(54)	ADDRESS	4	TCTENNCH	-> Next in NETNAME chain		
(58)	CHARACTER	8	TCTE_LOGON_ LOGMODE	LOGMODE name from VTAM LOGON exit.		
(60)	FULLWORD	4	TCTENIBE	End of NIB DESCRIPTOR		
Offset Hex	Туре	Len	Name (Dim)	Description		
(0)	STRUCTURE	*	TCTEPSQR	PSQ record based on TCTEPSQS		
(0)	BITSTRING	1	TCTEPSQL	Length of PSQ		
(1)	CHARACTER	*	TCTEPSQ	PSQ (Max 8 chars)		
Offset Hex	Туре	Len	Name (Dim)	Description		
(0)	STRUCTURE	*	TCTESSQR	SSQ record Based on TCTEPSQ + value of PSQL		
(0)	BITSTRING	1	TCTESSQL	Length of SSQ SSQ (Max 8 chars)		
(1)	CHARACTER	-	TCTESSQ	SOW (IMAX O CHAIS)		

data items.

DESCRIPTIVE NAME = TCTTE Dummy Work Element
This DSECT describes a WORK ELEMENT which is GETMAINED in order
to hold information regarding unknown LOGONS.
Because the Error may occur many times before ZNAC can process
each WE, the WE'S are CHAINED together off the DUMMY TCTTE(VIA
field TCTTECIA).
Each element is used to hold a qualified name identifying the
unknown LU(NETNAME.2NDARY_SESSION_QUALIFIER), and other sundry

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	40	TCTEDMWE	Logon work element
(0)	ADDRESS	4	TCTEDMCH	Chain field to next WE
(4)	BITSTRING	1	TCTEDMER	Error type byte 1
. ,	1		TCTEDMCL	CLSDST failed - logon exit
	.1		TCTEDMRA	Receive any error - ZRAC
	1		*	Reserved
	1		TCTEDMLG	VTAM detected logic error
	1		TCTEDMSM	Issue storage message
	1		TCTEDMSL	Negative resp to BIND fail
	1.		TCTEVTMQ	VTAM Quiescing
	1		TCTEVTMP	VTAM Predatory takeover
(5)	BITSTRING	1	TCTEDME2	Error type byte 2
	1		TCTEDMPD	TCTTE Delete pending
	.1		TCTEDMAX	AUTOINSTALL max reached
	1		TCTEDMGF	O/S getmain failed
	1		TCTEDMUL	Unknown LU LOGON
	1		TCTEDMAI	Autoinstall inactive
	1		TCTEDMIT	Invalid LOGON token
	1.		TCTEDMRY	Terminal recovery in prog
	1		*	Reserved
(6)	CHARACTER	17	TCTEDMQN	Qualified network name
(6)	CHARACTER	8	TCTEDMNN	NETNAME
(E)	CHARACTER	1	TCTEDMDT	'.' SEPARATOR
(F)	CHARACTER	8	TCTEDMSQ	2NDARY SESSION QUALIFIER
(17)	CHARACTER	4	TCTEDMID	Termid
(1B)	CHARACTER	1	TCTEDMMI	Module instance ID
(1C)	ADDRESS	4	TCTEDMBD	Address of saved BIND
(20)	FULLWORD	4	TCTEDMBL	Length of saved BIND
(24)	UNSIGNED	4	TCTEDMSN	Sense data
(24)	UNSIGNED	1	TCTEDMS1	System sense byte 1
(25)	UNSIGNED	1	TCTEDMS2	System sense byte 2
(26)	UNSIGNED	1	TCTEDMU1	User sense byte 1
(27)	UNSIGNED	1	TCTEDMU2	User sense byte 2

DESCRIPTIVE NAME = Terminal Control Table Skeleton Entry The TCT skeleton represents a terminal that is attached to another CICS address space and may interact with this CICS address space via the terminal sharing facility. The two fields which form the key in the table management index 'TCTN', identify the TCTSE by which this CICS will access the terminal-owning address space and the name that the terminal has in its own address space. The skeleton also exists in the 'TCTE' table management index The skeleton is used by the Transaction Routing (some times called Terminal Shipping) component to hold definition information between INSTALL, and task-attach. The skeleton contains only the names unique to the entry, the other parameters are in a "model" referenced by the skeleton. Models are shareable between skeletons. The skeleton resides on the 'application' system, there must be a matching normal terminal entry on the 'terminal' system. When a transaction is to be run, a 'surrogate' TCTTE is created in task-attach and made visible to the transaction program A reference to the surrogate is placed in the skeleton while one exists.

LIFETIME = Created by ZC INSTALL: destroyed by ZC DELETE.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	64	DFHTCTSK	
(0)	CHARACTER	4	TCTSKID	Terminal identifier (local).
(4)	CHARACTER	1	TCTSKTT	Fits under TCTTETT, and contains TCTTESKE.
(5)	CHARACTER	1	*	
	1		TCTSKSIF	System Entry is inflight
	.1		TCTSKAIP	Aids in progress

See DFHZCQ00.

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TCTSKNDL	Don't delete me
	1		TCTSKSHI	Definition shipped in
	1		TCTSKSAN	TCTSKSYS holds a name
	1		TCTSKINF	Skeleton is inflight
	1.		TCTSKPSH	Definition is shippable
	1		TCTSKSHO	Definition shipped out
(6)	CHARACTER	1	*	
. ,	1		TCTSKDDP	Delete started
	.1		TCTSK VIRTUAL	
			TERMINAL	
				CICS Client skel
	1		TCTSK VT	
			BITMAP_USED	
				CICS assigned name
	1		TCTSK_RT_	•
			BITMAP_USED	
				CICS assigned RT name
	1		TCTSKNDF	TCTSKNET was defaulted
	1		TCTSK_VT_ SO_CAPABLE	
				signon support for this virtual terminal
	11		*	Reserved
(7)	UNSIGNED	1	*	Reserved.
(8)	ADDRESS	4	TCTSKSYS	Owning system's TCTSE. or name
(C)	CHARACTER	4	TCTSKHID	Terminal ID in own retion.
(10)	ADDRESS	4	TCTSKMDE	Address of model TCTTE
(14)	ADDRESS	4	TCTSKSRE	Address of surrogate TCTTE
(18)	CHARACTER	8	TCTSKNET	Netname of TOR
(20)	CHARACTER	8	TCTSK_TITOKEN	token for remote delete
(28)	CHARACTER	8	TCTSK_TASK_	
			DETACH_TIME	
				timestamp
(30)	CHARACTER	8	TCTSK_TERMINAL_	
			NETNAME	
				NETNAME of terminal
(38)	CHARACTER	8	TCTSK_TOR_GRNAME	GR name of TOR

DESCRIPTIVE NAME = Terminal Control Table Transaction Restart Extension

If a transaction is defined to be eligible for restart, copies of the TCTUA and the first TIOA have to be kept in case the $\,$ transaction is restarted.

When a transaction is defined as restartable, a transaction restart extension is getmained and hung off the TCTTE (TCTTERST) Copies of the TCTUA and the initial TIOA are taken. The extension consists of addresses of the copies, followed by the copied data itself. If no TCTUA or TIOA exits the relevant address is zero. If neither the TCTUA nor TIOA exits, no extension is getmained.

LIFETIME = Created by DFHZSUP at transaction start, deleted by DFHZISP when a transaction ends and is not restarting. Any change to this structure must be reflected in DFHTCTZE A

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DFHTCTRS	
(0)	CHARACTER	24	TCTRSFIX	Fixed part of extn
(0)	CHARACTER	8	TCTRSEYE	Eyecatcher
(8)	FULLWORD	4	TCTRSLEN	Length of restart data
(C)	ADDRESS	4	TCTRSTUA	Address of TCTUA copy
(10)	ADDRESS	4	TCTRSFMH	Address of FMH5 copy
(14)	ADDRESS	4	TCTRSTIO	Address of TIOA copy
(18)	CHARACTER		TCTRSCOP	Start of copy area

 $\ensuremath{\mathsf{CCIN}}$ data which is hung from the $\ensuremath{\mathsf{TCTSE}}$ pointed to by TCSE_CCINDATA_PTR

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	68	TCSE_CCINDATA	
(0)	FULLWORD	4	TCSE_DATA_LENGTH	
(4)	CHARACTER	12	TCSE_HEADER_ BLOCK	

Offset Hex	Туре	Len	Name (Dim)	Description
(4)	FULLWORD	4	TCSE_HEADER_ LENGTH	
(8)	UNSIGNED	1	TCSE_GROUP	
(9)	UNSIGNED	1	TCSE FUNCTION	
` '			_	
(A)	UNSIGNED	1	TCSE_VERSION	
(B)	UNSIGNED	1	TCSE_RESPONSE	
(C)	UNSIGNED	2	TCSE_REASON	
(E)	UNSIGNED	2	TCSE_NUM_PARMS	
(10)	CHARACTER	13	TCSE_APPLID_PARM	
(10)	FULLWORD	4	TCSE_APPLID_ LENGTH	
(14)	UNSIGNED	1	TCSE_APPLID_	
` ,			PARM_TYPE	
(15)	CHARACTER	8	TCSE_APPLID	
(1D)	CHARACTER	3	*	
(20)	CHARACTER	15	TCSE_CODEPAGE_ PARM	
. ,				
(20)	FULLWORD	4	TCSE_CODEPAGE_	
			LENGTH	
(24)	UNSIGNED	1	TCSE_CODEPAGE_	
			PARM_TYPE	
(25)	CHARACTER	10	TCSE_CODEPAGE	
(2F)	CHARACTER	1	*	
(30)	CHARACTER	8	TCSE_CAPABILITIES_	
()			PARM	
(30)	FULLWORD	4	TCSE_CAPABILITIES_	
(30)	TOLLWOND	-	LENGTH	
(0.4)	LINGIONED			
(34)	UNSIGNED	1	TCSE_CAPABILITIES_	
			PARM_TYPE	
(35)	BITSTRING	1	TCSE_ENVIRON	
	1111 11		*	
	1.		TCSE_EBCDIC	
	1		TCSE_BIGENDIAN	
(36)	BITSTRING	2	TCSE_CLIENT_	
, ,			CAPABILITIES	
(36)	BITSTRING	1	*	
()	1		TCSE_EXIT_	
			PROCESSING	
	.1		TCSE_TRANSLATE_	
	1		CAPABLE	
	1		TCSE_DELETE_	
			ENTRIES	
	1		TCSE_TCTUA_	
			COMMAREA	
	1111		*	
(37)	BITSTRING	1	*	
(38)	CHARACTER	9	TCSE_SECURITY_ PARM	
(38)	FULLWORD	4	TCSE_SECURITY_	
()			LENGTH	
(3C)	UNSIGNED	1	TCSE SECURITY	
(00)	ONOIGHED		PARM_TYPE	
(2D)	LINGICNED	1		
(3D)	UNSIGNED	'	TCSE_ECIATTACH_	
(OF)	LINIOLONIED		USERID	
(3E)	UNSIGNED	1	TCSE_ECIATTACH_	
			PASSWORD	
(3F)	UNSIGNED	1	TCSE_EPIATTACH_	
			USERID	
(40)	UNSIGNED	1	TCSE_EPIATTACH_	
. ,			PASSWORD	
(41)	CHARACTER	1	*	
(42)	HALFWORD	2	TCSE_CTIN_	
(,		-	INSTALL_COUNT	

CTIN data which is hung from the virtual terminal surrogate TCTTE pointed to by TCTE_ CTINDATA_PTR.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	18	TCTE_CTINDATA	
(0)	CHARACTER	8	TCTE_CODEPAGE_ TOKEN	
(8)	CHARACTER	10	TCTE CODEPAGE	

Constants

Lon	Type	Value	Nama	Description
Len 1	Type HEX	Value 01	Name TCTTET77	7770
1	HEX	02	TCTTES7	System 7
1	HEX	08	TCTTECON	Console
1	HEX	12	TCTTETSD	SEQUENTIAL DISK
1	HEX	14	TCTTETMT	MAGNETIC TAPE
1 1	HEX HEX	18 19	TCTTETCR TCTTETSY	CARD READER/LINE printer SPOOLING system printer
1	HEX	19 1A	TCTTETIN	SPOOLING System printer SPOOLING INTERNAL READER
1	HEX	20	TCTTETHC	HARD COPY TERMINALS
1	HEX	21	TCTTETWX	Model 33/35 TWX
1	HEX	22	TCTTETLX	TELETYPEWRITER
1	HEX	24	TCTTET50	1050
1	HEX	28	TCTTET40	2740
1 1	HEX HEX	2A 2B	TCTTET4C TCTTET4E	2741 CORRESPONDENCE 2741 EBCDIC
1	HEX	40	TCTTETVO	VIDEO TERMINALS
1	HEX	41	TCTTET6L	2260 local
1	HEX	48	TCTTET6R	2260 remote
1	HEX	4A	TCTTET53	1053
1	HEX	4C	TCTTET65	2265
1	HEX	50	TCTTETAN	TCAM PLESVAIGHBONOHS
1 1	HEX HEX	80 82	TCTTETBI TCTTET70	BI-SYNCHRONOUS 2770
1	HEX	84	TCTTET80	2780
1	HEX	85	TCTTE378	3780
1	HEX	86	TCTTE298	2980
1	HEX	88	TCTTET35	3735
1	HEX	89	TCTTET74	3740
1	HEX	8A	TCTTET36	3600 BISYNCH
1 1	HEX HEX	91 92	TCTTET37 TCTTET75	3277 remote BTAM and REMOTE/LOCAL VTAM 3275 remote
1	HEX	93	TCTTET75	BTAM 3284 remote AND VTAM 3270P all
1	HEX	94	TCTTET86	BTAM 3286 remote
1	HEX	99	TCTTETL7	3277 local BTAM
1	HEX	9B	TCTTETL4	BTAM 3284 local
1	HEX	9C	TCTTETL6	BTAM 3286 local
1	HEX	A0	TCTTETPD	BISYNCH - PROGRAMMABLE
1 1	HEX	A1 A4	TCTTES3	System/3
1	HEX HEX	A4 A6	TCTTE370 TCTTES7B	System/370 System/7 with BSCA
1	HEX	A6	TCTTEPUB	PROGRAMMABLE device
1	HEX	A5	TCTTE113	Reserved-PROGRAMMABLE DEVICE
1	HEX	В0	TCTESDLC	SDLC device class
1	HEX	B1	TCTE3601	3601
1	HEX	B2	TCTE3614	3614
1 1	HEX	B4 B5	TCTE3790	3790
1	HEX HEX	B6	TCTE90UP TCTE90PR	3790 USERPROGRAM 3790 SCS printer
1	HEX	B8	TCTE50PL	3650 PIPELINE
1	HEX	B9	TCTE53HC	3653 HOST CONVERSATIONAL
1	HEX	BA	TCTE70HC	3650 ATTACHED 3270 H.C.
1	HEX	BB	TCTE50UP	3650 USERPROGRAM
1	HEX	BD	TCTETCLU	CONTENTION logical unit
1	HEX	BE	TCTETILU TCTETBLU	INTERACTIVE logical unit
1 1	HEX HEX	BF C0	TCTETBLO TCTELU6	Batch logical unit LUTYPE 6
1	HEX	C0 C1	TCTELU4	LUTYPE 6 LUTYPE 4
1	HEX	D0	TCTTEISL	System entry
1	HEX	D1	TCTTEISC	MRO Conversation
1	HEX	D2	TCTTEMGP	LUC mode group entry
1	HEX	D3	TCTTELUS	LUC session
1	HEX HEX	DF E2	TCTT3750 TCTTESKE	1750/3750 switching system
1	HEX	E2 E3	TCTTECWE	Skeleton entry Evanescent console
1	HEX	E4	TCTTEAWE	Evanescent terms *
	ACCESS METHOD			
1	HEX	00	TCTELCL	local TERMINATOR-TCSE only
1	HEX	80	TCTEVTAM	Access Method - VTAM
1	HEX HEX	40 20	TCTEBTAM TCTEBSAM	Access Method - BTAM Access Method - BSAM
1	HEX	10	TCTEBSAM	Access Method - TCAM
1	HEX	08	TCTEGAM	Access Method - GAM
1	HEX	02	TCTEISMM	Access Method - ISMM
1	HEX	01	TCTETMSN	Access Method - TCAM SNA (bit testing only
1	HEX	11	TCTETCSN	Access Method - TCAM SNA (byte tesing only
	VTAM BUILD ARE	A CONSTANTS		
1	HEX	10	TCTENMA	No MSG avail and no LDC *
1	HEX	20	TCTEALM	ALARM
1	HEX	40	TCTEFOD	Formatted data
1	HEX	80	TCTESYM	System message generic MSK *
1	HEX	90	TCTEART	Abnormal initiation
1	HEX	A0	TCTEABT	Abnormal termination

Len	Туре	Value	Name	Description
1 1	HEX HEX	C0 D0	TCTEIFM TCTERPM	Information message Retry PROTOCOL MSG
<u>-</u>	HEX	DU	TCTERPIN	Retiy PROTOCOL MSG
1	DECIMAL	0	CR_PEND_RECOVERY_	
			IGNORE	
1	DECIMAL	1	CR_PEND_RECOVERY_ NECESSARY	
1	DECIMAL	2	CR_PEND_RECOVERY_ UNNECESSARY	
0	BIT	00	CR_UOW_COLD	
0	BIT	01	CR_UOW_COMMITTED	
0	BIT	10	CR_UOW_BACKED_OUT	
0	BIT	11	CR_UOW_INDOUBT	
0	BIT	11	CR_UOW_DISPOSITION_ MASK	
0	BIT	0	PRESUMED_ABORT	
0	BIT	1	PRESUMED_NOTHING	
0	BIT	00	CR_RESYNC_UNKNOWN	we cold started
0	BIT	01	CR_RESYNC_OLD	partner pre-5.1
0	BIT	10	CR_RESYNC_NEW	partner 5.1+
0 0	BIT BIT	11 000	CR_RESYNC_MASK CR_1ST_LEG	field mask
0	BIT	001	CR_2ND_LEG	
0	BIT	010	CR_3RD_LEG	
0	BIT	0	UNRELIABLE	
0	BIT	1	RELIABLE	
?[DFHZCHM TYPE(DECL	ARE) Values of TCTECHSS		
1	DECIMAL	1	TCTE_BETWEEN_	
			CHAINS_SEND	
1	DECIMAL	2	TCTE_IN_CHAIN_SEND	
1	DECIMAL	3	TCTE_AWAITING_	
1	DECIMAL	4	RESPONSE_SEND TCTE_PENDING_	
	DECIMAL	-	RESPONSE_SEND	
1	DECIMAL	5	TCTE_NEGATIVE_	
			RESPONSE_RECEIVED	
1	DECIMAL	6	TCTE_BETWEEN_	
4	DECIMAL	7	CHAINS_RECEIVE	
1 1	DECIMAL DECIMAL	7 8	TCTE_IN_CHAIN_ RECEIVE TCTE_PENDING_	
'	DECIMAL	o	RESPONSE_RECEIVE	
1	DECIMAL	9	TCTE_AWAITING_	
			RESPONSE_RECEIVE	
1	DECIMAL	10	TCTE_NEGATIVE_	
		ADE: \	RESPONSE_SEND	
	,	ARE) Values of TCTEBKTS		
1	DECIMAL	1	TCTE_BETWEEN_	
4	DECIMAL	0	BRACKETS	
1 1	DECIMAL DECIMAL	2 3	TCTE_IN_BRACKET TCTE_IN_BRACKET_	
	DEOIWIAL	3	TERM_SEND	
1	DECIMAL	4	TCTE_IN_BRACKET_	
			TERM_RECEIVE	
?[DFHZCNM TYPE(DECL	ARE) Values of TCTECNTS		
1	DECIMAL	1	TCTE_NOT_BOUND	
1	DECIMAL	2	TCTE_NOT_	
1	DECIMAL	3	BOUND_CON_WIN TCTE_NOT_	
1	DECIMAL	J	BOUND CON LOSE	
1	DECIMAL	4	TCTE_BOUND_CON_WIN	
1	DECIMAL	5	TCTE_BOUND_	
			CON_WIN_ALLOCATED	
1	DECIMAL	6	TCTE_BOUND_	
1	DECIMAL	7	CON_WIN_RTR_SENT TCTE_BOUND_	
•	DEONVIALE	•	CON_WIN_RTR_PEND	
1	DECIMAL	8	TCTE_BOUND_ CON_LOSE	
1	DECIMAL	9	TCTE_BOUND_	
			CON_LOSE_ALLOCATED	
1	DECIMAL	10	TCTE_BOUND_ CON_LOSE_BIDDING	
1	DECIMAL	11	TCTE_BOUND_	
	PEOIIVIAL		CON_LOSE_BB_CROSSING	
1	DECIMAL	12	TCTE_BOUND_	
			CON_LOSE_RTR_PEND	
1	DECIMAL	13	TCTE_BOUND_	
4	DECIMAL	14	CON_LOSE_REBID_ PEND	
1	DECIMAL	14	TCTE_BOUND_ CON_LOSE_AWAITING_	
			ACTIVITY	
1	DECIMAL	15	TCTE_BOUND_	
			CON_WIN_BID_ACCEPTED	

.en	Туре	Value	Name	Description
?	PDFHZCRM TYPE(DE	CLARE) Values of TCTERPBS		
	DECIMAL	1	TCTE_INACTIVE	
	DECIMAL	2	TCTE_INCOMP_ REC_WAIT	
	DECIMAL	3 4	TCTE_COMP_REC_WAIT	
	DECIMAL DECIMAL	5	TCTE_INCOMP_ REC_IMM TCTE_COMP_REC_IMM	
	DECIMAL	6	TCTE_PROCESSED	
	DECIMAL	7	TCTE_READ_AHEAD	
	DECIMAL	8	TCTE_RESETSR	
?	PDFHZUSRM TYPE(D	ECLARE) Values of TCTEUSRS		
	DECIMAL	1	TCTE_NOT_ALLOCATED	
	DECIMAL	2	TCTE_ALLOCATE_	
	DECIMAL	3	IN_PROGRESS TCTE ALLOCATED SEND	
	DECIMAL	4	TCTE_ALLOCATED_ SEND	
	220111112	•	RECEIVE_PENDING	
	DECIMAL	5	TCTE_ALLOCATED_	
	DECUMAL		RECEIVE	
	DECIMAL	6	TCTE_FREE_	
	DECIMAL	7	PENDING_SEND TCTE_FREE_REQUIRED	
	DECIMAL	8	TCTE_IN_SYNCPT_	
			SENDER_ONE_PHASE	
	DECIMAL	9	TCTE_IN_SYNCPT_	
	DECUMAL	40	RCVER_ONE_PHASE	
	DECIMAL	10	TCTE_IN_SYNCPT_ SENDER_TWO_PHASE	
	DECIMAL	11	TCTE_IN_SYNCPT_	
	DEGINAL		RCVER TWO PHASE	
	DECIMAL	12	TCTE_IN_SYNCPT_	
			BACKOUT_SENDER	
	DECIMAL	13	TCTE_IN_SYNCPT_	
	DECIMAL	14	BACKOUT_RECEIVER TCTE_ALLOCATED_	
	DECIMAL	14	CONFIRM_SENDER	
	DECIMAL	15	TCTE_ALLOCATED_	
			CONFIRM_RECEIVER	
Pers	istent Sessions State	Constants for TCTE_ PRSS		
	HEX	00	TCTE_NO_PRSS_	
	1157		RECOVERY	
	HEX HEX	01 02	TCTE_NIB_MATCHED TCTE_OPNDST_	
	ПЕХ	02	RESTORE_COMPLETED	
	HEX	20	TCTE_ZXRC_CLEANUP	
	HEX	21	TCTE_ZXRC_	
			ISSUE_RECOVERY_ MSG	
	HEX HEX	30 31	TCTE_ZXPS_CLEANUP TCTE_ZXPS	
	ПЕХ	31	DEALLOCATE_ABEND	
	HEX	32	TCTE_ZXPS_	
			SEND_IN_PROGRESS	
	HEX	33	TCTE_ZXPS_	
	1157	0.4	ISSUE_RECOVERY_ MSG	
	HEX	34	TCTE_ZXPS_	
	HEX	41	RECEIVE_IN_PROGRESS TCTE_ZGDA_ FMH7_SEND	
	HEX	42	TCTE_ZGDA_ FMH7_COMP	
	HEX	43	TCTE_ZGDA_FMH7_REC	
	HEX	44	TCTE_ZGDA_	
	HEV	45	FMH7_REC_EOC	
	HEX HEX	45 FF	TCTE_ZGDA_RESP TCTE_PRSS_	
	ПЕХ	FF	CLSDST_SCHEDULED	
	HEX	FF	TCTE_CLSDST_	
			SCHEDULED	
Use	ed in 3735 Mode Cont	rol byte TCTTEMCI		
	HEX	00	TCTTEMC0	Initialization image
User	d in 3740 Mode Contro	ol byte TCTTENCI		
	HEX	00	TCTTENC0	Initialization image
Hee			TOTTENOO	initianzation inage
used	d in IRC bracket status	-		
	HEX	00	TCTESOB	OUT OF BRACKET
	HEX	80	TCTESIB	IN BRACKET
	HEX HEX	40 10	TCTESBBR TCTESBBS	BEGIN BRACKET received BEGIN BRACKET sent
	HEX	08	TCTESEBS	END BRACKET sent
	HEX	04	TCTESEBR	END BRACKET received
S١	YSTEM TABLE ENTR'	Y DEFINITIONS		
Used	d in TCSETYPE			
	CHARACTER	S	TCSETSYS	Full system entry

Len 1	Type CHARACTER	Value L	Name TCSETLOC	Description
1	CHARACTER	Ī	TCSETIND	Local region, no links INDIRECT System Entry
Us	sed in TCSEDSP (DATA-ST	REAM)		
1	HEX	40	TCSEDSLM	LMS
1	HEX	30	TCSEDSST	Structured field
1	HEX	20	TCSEDS32	3270
1	HEX	10	TCSEDSSC	SCS
1	HEX	00	TCSEDSUS	User
Us	sed in TCSEDBA (DE-blocki	ng algorithm)		
1	HEX	04	TCSEDBUS	User defined
1	HEX	01	TCSEDBVB	Variable length blocked
	VTAM INTERNAL REQUES	STS		
	for ZSDS ROUTINE			
U	Jsed in TCTERCMO :-			
4	LIEV	40	TOTEDOOM	CONTINUE CRECIEIC made
1 1	HEX HEX	40 C0	TCTERCSM TCTERCA	CONTINUE SPECIFIC mode CONTINUE ANY mode
			TOTERCA	CONTINUE ANT IIII CO
U	Jsed in TCTERMOD :-			
1	HEX	00	TCTERSYN	Reset RTYPE DFSYN
1	HEX	01	TCTERRSP	Reset RTYPE RESP
1	HEX	03	TCTERASY	Reset RTYPE DFASY
_	LUC Constants			
1	TCTE_BID_STATUS constar	nts used in DFHZXPS :-		
1	HEX	01	TCTE_SEND_	
			POSITIVE_RESPONSE	
1	HEX	02	TCTE_SEND_	
			NEGATIVE_RESPONSE	
1	HEX	03	TCTE_SEND_RTR	
1	HEX	04	TCTE_SENT_RTR	
1	HEX	05	TCTE_SEND_ LUSTAT_EB	
1	HEX	06	TCTE_AWAITING_	
			BB_RESPONSE	
1	HEX	07	TCTE_SENT_	
			POSITIVE_RESPONSE	
1	HEX	08	TCTE_0814_RECEIVED	
1	HEX	09	TCTE_0813_RECEIVED	
1	HEX	0A	TCTE_SEND_ RECOVERY_MESSAGE	
1	HEX	0D	TCTE_SEND_	
'	TIEA	OD	LUSTAT_BB_EB	
			2001/11_00_20	
	TOTE_ RESP_STATUS of	onstants used in DFHZXPS		
1	HEX	01	TCTE_DR1_ OUTSTANDING	
1	HEX	02	TCTE_DR1_EXPECTED	
	NIB Descriptor Constants Used in TCTESTAC :-			
_				
1	HEX	00	TCTEACIG	STSN ACTION - IGNORE
1	HEX	01	TOTEACSE	STSN ACTION - SET
1	HEX	02	TCTEACIV	STSN ACTION - INVALID
1	HEX	03	TCTEACST	STSN ACTION - STSN
1	DECIMAL DECIMAL	0	TCTESPL0	NONE COMMIT
	DECIMAL	1 2	TCTESPL1	
1 1		00	TCTESPL2	all "UNMAPPED"
1	HEX HEX	FF	TCTEUNMP TCTECV0	CONV. type not set
		• • • • • • • • • • • • • • • • • • • •	101200	OOHV. type not set
	Used in TCTESTRP :-	.00	TOTERRE	OTON DECET+
1	HEX	20	TCTERPRR	STSN response - RESET *
1	HEX	08 04	TCTERPTP	STSN response +ve RPLOPOS * STSN response -ve RPLONEG *
1 1	HEX HEX	02	TCTERPTN TCTERPIV	STSN response -ve RPLONEG * STSN response inv RPLOINV *
		U <u>Z</u>	ICIERFIV	OTON TESPONSE HIN ALFONNA
	Length of a Skeleton Entry	04	TOTOUROR	
4	DECIMAL	64	TCTSKDSP	
	Length of a fixed part of re			
4	DECIMAL	24	TCTRSFLN	

TCTWA TCT transaction work area

MODULE NAME = DFHTCTWA
DESCRIPTIVE NAME = CICS TCT Transaction Work Area
FUNCTION = This DSECT defines the Transaction Work Area for the
Terminal Control Transaction itself. This transaction responds to requests for terminal services.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTCTWA	TWA address is in TCATWAAD
(0)	DBL WORD	8	TCTWA (0)	Start of TC TWA
(0)	ADDRESS	4	TCSPTA	Read terminal entry address
(4)	CHARACTER	1	TCPIND	Polling indicator
(5)	CHARACTER	3	TCERRSA	Terminal error code save area
(8)	ADDRESS	4	TCTXTPA	Terminal pool address
(C)	BITSTRING	1	TCTXLPAF (0)	Line in pool avail flag byte
(-)	1	•	TCTXLPAV	"X'80'" Line in pool avail (3170L)
(C)	ADDRESS	4	TCTXLPA	1st line in pool pointer save
(10)	ADDRESS	4	TCTRNTA	Translate table address
(14)	ADDRESS	4	TCL3PTSV	Local 3270 poll terminal save
(18)	ADDRESS	4	TCTSPRA	Specific poll return address
(1C)	ADDRESS	4	TCTWLA	Active wait list address
(20)	BITSTRING	1	TWASDCF	Single drop control flag
(21)	BITSTRING	1	(3)	Reserved
(24)	FULLWORD	4	TWATDRSV	TCP dispatcher return save
(28)	FULLWORD	4	TWACTIOE	2260 TIOA end save area
(2C)	FULLWORD	4	TWACTIOL TWACFWD1	Full word work area
(30)	FULLWORD	4	TWACFWD1	Full word work area
		4		
(34)	FULLWORD	-	TWACFWD3	Full word work area
(38)	FULLWORD	4	TWACFWD4	Full word work area
(3C)	BITSTRING	1	TWATER	Timer completion
	.1		TWATEPI	"X'40" Timer posted flag
	1		TWALSEI	"X'20" Local line scan indicator
(3D)	BITSTRING	1	TWACFLAG	Compatibility control flags
	1		TWACDSCI	"X'01" DAT scan complete indicator
	1.		TWACWSI	"X'02" Wrapped screen indicator
	1		TWACSLI	"X'04" Shortline indicator
	1		TWACSSFI	"X'08" SMI character found indicator
	1		TWACWSIT	"X'10" Wrap screen pseudo ind tab
(3E)	HALFWORD	2	TWAC2260	Number of chars/line for 2260
(40)	HALFWORD	2	TWAC3270	Number of chars/line for 3270
(42)	HALFWORD	2	TWAFDLBA	First display LN begin address
(44)	HALFWORD	2	TWALDLBA	Last display line begin address
(46)	HALFWORD	2	TWAIBDL	Increment between display lines
(48)	HALFWORD	2	TWACNBEO	Number if bytes for erase
	11		TWACAL	"*-TWAC2260" Compatible area length
(4A)	HALFWORD	2	TWACBAP	Current buffer address position
(4C)	HALFWORD	2	TWACLSA	Current line start address
(4E)	CHARACTER	256	TCTTT	Input data length T & T table
(50)	DBL WORD	8	RCLOCK	Time of day clock
(58)	FULLWORD	4	OCLOCK	Word to save internal clock
(5C)	FULLWORD	4	MSGNTNM (0)	Total to date internal closic
(5C)	ADDRESS	1	(0)	
(5D)	ADDRESS	1		GENERATE LENGTH
(5E)	BITSTRING	1		OPTION BYTE
(5F)	BITSTRING	1		RESERVED
(60)	CHARACTER	10		RECEIVED
(6A)	CHARACTER	8	NETNAME2	
(72)	CHARACTER	3	. TE II TO NIVIEZ	
(75)	CHARACTER	35	JOBNAME2	
(10)	11 1	55	MSGE0001	II ± II
	11 1		MSGNTNME	H±H
(150)	FULLWORD	4	TWAXRPL (0)	
(150)	BITSTRING	1	(0)	V*1 request byte
(151)	BITSTRING	1		V*2 request byte modifier
(151)	BITSTRING	1		V*3 MVS System indicator
(153)	BITSTRING	1		V*4 response byte
(154)	BITSTRING	1		V*5 XRF
(154)	BITSTRING	1		V*6 TAKEOVR
(156)	CHARACTER	1		V*7 SURVEILLANCE
(157)	CHARACTER	1	(0)	V*8 signon status
(158)	CHARACTER	8	(0)	generic applid
(158)	CHARACTER	8	(0)	'time' xx ECB posted
(158)	CHARACTER	8	(0)	program name
(158)	CHARACTER	4		- domain id
(15C)	CHARACTER	4	(0)	- reserved
(160)	CHARACTER	8	(0)	specific applid
(160)	CHARACTER	4		- error id
(164)	FULLWORD	4	(0)	- global data address
(168)	FULLWORD	4	(0)	ADI

Offset Hex	Туре	Len	Name (Dim)	Description
(168)	CHARACTER	4		- MVS id.
(16C)	FULLWORD	4	(0)	JESDI
(16C)	CHARACTER	4		 JES subsystem id.
(170)	FULLWORD	4	(0)	PDI
(170)	FULLWORD	4		Lower clock difference
(174)	FULLWORD	4		Upper clock difference
(178)	CHARACTER	8		XCF Sysplex name
(180)	CHARACTER	8		MVS System name
(188)	CHARACTER	4		MVS instance token
(188)			TCTWALEN	"*-TCTWA" TCP'S TWA Length
(0)	FULLWORD	4	TCRAFDA	First data record address
	1.		TCRAAREC	"X'02" Re-entered ind. constant

VTAM autoinstall work element **TCTWE**

Bilingual Control block

CONTROL BLOCK NAME = DFHTCTWE

DESCRIPTIVE NAME = CICS (VTAM) AUTOINSTALL WORK EMEMENT

FUNCTION = Provide mapping for autoinstall work element components.

The DSECT is used solely within the ZCP DOMAIN.

There are as many WE's as there are autoinstall requests in progress.

The WE is used to store the CINIT_RU or BIND so that the logon may be attempted by DFHZATA.

If the WE contains a TCTTE address then this is a Postponed autoinstall work elemment (PWE), created by DFHZLGX when there is a LOGON for a TCTTE which is currently being deleted.

If the WE has TCTTECWE set then it is a Autoinstall Work Element used to autoinstall a console and to sign-off or sign-on a known console automatically.

LIFETIME = The WE is created by a GETMAIN issued by DFHZLGX (LOGON-EXIT) or DFHZSCX (SCIP exit) or DFHZCNA (Console Input) when an unknown terminal or console or APPC device attempts to LOGON or BIND or an unknown console issues an MVS MODIFY. It is also created if a known console needs to be signed-off or signed-on automatically. It is also created for a known terminal subject to certain restrictions. The WE is freed by DFHZNCA after DFHZNEP is driven for the OPNDST contition TWAEC=TCSOPSIN or prior to DFHZNEP being driven for a CLSDST contition TWAEC=TCACLSIN.

The WE is freed by DFHZATA when the request has been processed.

STORAGE CLASS = USER(OS - SUBPOOL 1)

LOCATION = For unknown terminals, each WE is chained off the previous one and the first one is anchored from TCTVANWE in the TCT prefix. After the TCTTE is built by DFHZATA for autoinstall-eligible devices, the WE address is saved in TCTEAWEA. For known terminals, DFHZLGX updates TCTEAWEA.

INNER CONTROL BLOCKS = NONE

NOTES

DEPENDENCIES = S/370 RESTRICTIONS = NONE MODULE TYPE = DSECT

EXTERNAL REFERENCES = NONE

DATA AREAS = NONE

CONTROL BLOCKS = NONE

GLOBAL VARIABLES (MACRO PASS) = NONE

AUTOINSTALL WORK - ELEMENT DSECT

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DFHTCTWE	Autoinstall work element
(0)	ADDRESS	4	TCTWECHN	- AWE chain field
(4)	ADDRESS	4	TCTWE_VTAM_BIND	- address of VTAM read only bind @P2A
(8)	UNSIGNED	1	TCTWETYP	- Data type ID

Offset Hex	Туре	Len	Name (Dim)	Description
(9)	UNSIGNED	3	TCTWELEN	- Length of this block
(C)	ADDRESS	4	TCTWETEA	- TCTTE ptr if PWE.
(10)	CHARACTER	8	TCTWE_TEMPLATE_ NETNAME	·
				- NETNAME of GR template @L1A
(18)	CHARACTER	8	TCTWE_NETID	- Network ID @L1A
(18)	CHARACTER	8	TCTWE_NETNAME	- NETNAME if CINIT @P3A
(20)	CHARACTER	4	TCTWECID	- VTAM CID
(24)	UNSIGNED	2	TCTWE_RPLSEQNO	- for opnsec
(26)	UNSIGNED	1	*	- flag byte 1
	1		TCTWE_BIND_ CLONING	* '
				- On if APPC bind input
	.1		TCTWE_GR	- On if both sides are GR registered @L1A
	1		TCTWE_GRNAME_ CONN	- On if this GR conn is known by its GR name. @L1A - Off if this is a GR @L1A conn known by its @L1A member name. @L1A
	1		TCTWE_USE_ OUR_MEMBER_NAME	,
				- On if partner knows us @L1A by our member name @L1A (NRINNAMS) @L1A - Off if partner knows @L1A us by our GR name @L1A ¬(NRINNAMS)
(27)	UNSIGNED	1	*	- flag byte 1
(28)	HALFWORD	2	TCTWECLN	- length of CINIT_RU or
(28)	HALFWORD	2	TCTWE_BIND_ LENGTH	- length of APPC BIND
(2A)	CHARACTER	*	TCTWECRU	- CINIT RU or
(2A)	CHARACTER	*	TCTWE_BIND	- APPC BIND

Autoinstall Work Element - Console Overlay

Offset Hex	Туре	Len	Name (Dim)	Description
(20)	STRUCTURE	*	TCTCWE	Console work element @01A
(20)	HALFWORD	2	TCTCWE_DATAL	- Length of input @01A
(22)	UNSIGNED	1	TCTCWE_FLG	- Flag byte @01A
	1		TCTCWE_EXT	- Ext cons support @01A
	.1		TCTCWE_SEC	- Userid present @01A
	1		TCTCWE_SGN	- Sign-Off/Sign-On @01A
	1 1111		*	Reserved @01A
(23)	CHARACTER	1	*	Reserved @01A
(24)	CHARACTER	8	TCTCWE_CART	 Saved CIBXCART @01A
(2C)	CHARACTER	4	TCTCWE_CNID	 CIBXCNID CIBXOCID @01A
(30)	CHARACTER	8	TCTCWE_CNNM	 Saved CIBXCNNM @01A
(30)	CHARACTER	1	TCTCWE_CONID	 Saved CIBCONID @01A
(31)	CHARACTER	7	*	Reserved @01A
(38)	CHARACTER	10	TCTCWE_USERID	 Userid signed on @01A
(42)	HALFWORD	2	TCTCWE_ USERID_LEN	 length of userid @01A
(44)	CHARACTER	4	TCTCWE_TERMID	- Termid for signon @01A
(48)	CHARACTER	*	TCTCWE_DATA	- Input from console @01A

TCV29 XRF mapping session state vector '29'

CONTROL BLOCK NAME = DFHTCV29 DESCRIPTIVE NAME = CICS (XRF) Mapping Session State Vector '29' FUNCTION = For XRF:-Defines the data returned in response to the XRF Switch command. When the XRF backup system issues the Switch command to take over a session, the response data received is described by Session State Data Control Vector X'29'. This data is used by CICS to determine state of the session at takeover so that the appropriate Cleanup action can For Persistent Sessions:-The data is returned following the OPNDST OPTCD=RESTORE issued by DFHZGRP after a Persistent Sessions restart. LIFETIME = For a Persistent sessions restart, a TIOA is acquired to hold this data when the OPNDST OPTCD=RESTORE For XRF, this data is held in the RPL after the Switch command is issued. The area is freemained when the data has been examined. STORAGE CLASS = Terminal LOCATION = Normal TIOA addressing INNER CONTROL BLOCKS = None DEPENDENCIES = S/370 RESTRICTIONS = NONE MODULE TYPE = DSECT

```
PLS declaration of the session state CV29 DSECT
declare
 1 dfhtcv29 based,
  2 tc29ikey char(1), Vector key
  2 tc29len bin(8), Length of vector
  2 bit(8). Switch definition byte
  2 tc29dflw bit(8), Data flow indicators
   3 tc29stp bit(1), Last req/resp was slu-to-plu
   3 tc29exp bit(1), Last req/resp was expedited
   3 tc29rsp bit(1), Last PIU was a response
  3 tc29prx bit(1), Exp. resp. not sent to plu
  3 tc29srx bit(1), Exp. resp. not sent to slu
  3 tc29pac bit(1), Pacing resp. sent to slu
   3 bit(2), Reserved
  2 char(1), Reserved
      PLU-to-SLU data - Normal Flow information
   2 char(5), Last FIC or LIC sent plu-to-slu
   3 tc29pfnu char(2), Sequence number
   3 tc29pfrh char(3), Request Header
   2 char(10), Last Request sent plu-to-slu
   3 tc29pqnu char(2), Sequence number
    3 tc29pqrh char(3), Request Header
   3 tc29pqru char(5), First 5 bytes of Request RU
   2 char(9), Last Response sent plu-to-slu
   3 tc29ppnu char(2), Sequence number
    3 tc29pprh char(2), First 2 bytes of Request Header
    3 tc29ppru char(5), First 5 bytes of response RU
      PLU-to-SLU data - Expedited Flow information
   2 char(10), Last Expedited request sent
    3 tc29pxqn char(2), Sequence number
    3 tc29pxqh char(3), Request Header
   3 tc29pxqu char(5), First 5 bytes of Request RU
   2 char(9), Last Expedited Response sent
   3 tc29pxpn char(2), Sequence number
    3 tc29pxph char(2), First 2 bytes of Request Header
    3 tc29pxpu char(5), First 5 bytes of Response RU
      SLU-to-PLU data - Normal Flow information
   2 char(5), Last FIC or LIC sent slu-to-plu
3 tc29sfnu char(2), Sequence number
3 tc29sfrh char(3), Request Header
   2 char(10), Last Request sent slu-to-plu
   3 tc29sqnu char(2), Sequence number
    3 tc29sqrh char(3), Request Header
   3 tc29sqru char(5), First 5 bytes of Request RU
   2 char(9), Last Response sent slu-to-plu 3 tc29spnu char(2), Sequence number
    3 tc29sprh char(2), First 2 bytes of Request Header
   3 tc29spru char(5), First 5 bytes of response RU
      SLU-to-PLU data - Expedited Flow information
   2 char(10), Last Expedited request sent
   3 tc29sxqn char(2), Sequence number
3 tc29sxqh char(3), Request Header
3 tc29sxqu char(5), First 5 bytes of Request RU
   2 char(9), Last Expedited Response sent
   3 tc29sxpn char(2), Sequence number
    3 tc29sxph char(2), First 2 bytes of Request Header
    3 tc29sxpu char(5); First 5 bytes of Response RU
dcl tc29key bit(8) constant('29'X); Vector key
   ASM declaration of the session state CV29 DSECT
                                      Start of assembler
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTCV29	
(0)	BITSTRING	1	TC29IKEY	
	1. 11		TC29KEY	"X'29" Vector key
(1)	BITSTRING	1	TC29LEN	Length of Vector
(2)	BITSTRING	1	(0)	Switch type definition byte
(2)	BITSTRING	1	TC29REQ (0)	Switch Request
	1		TC29CON	"X'10" Switch is conditional
	1		TC29FOR	"X'20" Switch is Forced
	11		TC29ERR	"X'30" Primary Session error
(2)	BITSTRING	1	TC29STAT (0)	Switch State
	1		TC29BAK	"X'01" Primary ready to be backup
	1.		TC29PRI	"X'02" Backup ready to be primary
(2)	BITSTRING	1		
(3)	BITSTRING	1	TC29DFLW (0)	Data flow indicators
	1		TC29STP	"X'80'" Last Req/Resp was slu-to-plu
	.1		TC29EXP	"X'40" Last Req/Resp was Expedited
	1		TC29RSP	"X'20" Last PIU was a response
	1		TC29PRX	"X'10" Exped. resp not sent to plu
	1		TC29SRX	"X'08'" Exped. resp not sent to slu
	1		TC29PAC	"X'04'" Pacing resp sent to slu
(3)	BITSTRING	1		

Offset Hex	Туре	Len	Name (Dim)	Description
(4)	BITSTRING	1		Reserved
PL	U-to-SLU data - N	Normal Flow infor	mation	
(5)	BITSTRING	24	(0)	plu-to-slu Normal Flow info
(5)	BITSTRING	5	(0)	Last FIC or LIC sent plu-to-slu
(5)	BITSTRING	2	TC29PFNU	Sequence number
(7)	BITSTRING	3	TC29PFRH	Request Header
(A)	BITSTRING	10	(0)	Last Request sent plu-to-slu
(A)	BITSTRING	2	TC29PQNU	Sequence number
(C)	BITSTRING	3	TC29PQRH	Request Header
(F)	BITSTRING	5	TC29PQRU	First 5 bytes of Request RU
(14)	BITSTRING	9	(0)	Last Response sent plu-to-slu
(14)	BITSTRING	2	TC29PPNU	Sequence number
(16)	BITSTRING	2	TC29PPRH	First 2 bytes of Request Header
(18)	BITSTRING	5	TC29PPRU	First 5 bytes of response RU
PL	U-to-SLU data - E	expedited Flow in	formation	
(1D)	BITSTRING	19	(0)	plu-to-slu Expedited Flow info
(1D)	BITSTRING	10	(0)	Last Expedited request sent
(1D)	BITSTRING	2	TC29PXQN	Sequence number
(1F)	BITSTRING	3	TC29PXQH	Request Header
(22)	BITSTRING	5	TC29PXQU	First 5 bytes of Request RU
(27)	BITSTRING	9	(0)	Last Expedited Response sent
(27)	BITSTRING	2	TC29PXPN	Sequence number
(29)	BITSTRING	2	TC29PXPH	First 2 bytes of Request Header
(2B)	BITSTRING	5	TC29PXPU	First 5 bytes of Response RU
SL	U-to-PLU data - N	Normal Flow infor	mation	· · ·
(30)	BITSTRING	24	(0)	slu-to-plu Normal Flow info
(30)	BITSTRING	5	(0)	Last FIC or LIC sent slu-to-plu
(30)	BITSTRING	2	TC29SFNU	Sequence number
(32)	BITSTRING	3	TC29SFRH	Request Header
(35)	BITSTRING	10	(0)	Last Request sent slu-to-plu
(35)	BITSTRING	2	TC29SQNU	Sequence number
(37)	BITSTRING	3	TC29SQRH	Request Header
(3A)	BITSTRING	5	TC29SQRU	First 5 bytes of Request RU
(3F)	BITSTRING	9	(0)	Last Response sent slu-to-plu
(3F)	BITSTRING	2	TC29SPNU	Sequence Number
(41)	BITSTRING	2	TC29SPRH	First 2 bytes of Request Header
(43)	BITSTRING	5	TC29SPRU	First 5 bytes of Response RU
	U-to-PLU data - E	Expedited Flow in	formation	
(48)	BITSTRING	19	(0)	slu-to-plu Expedited Flow info
(48)	BITSTRING	10	(0)	Last Expedited request sent
(48)	BITSTRING	2	TC29SXQN	Sequence number
(4A)	BITSTRING	3	TC29SXQH	request Header
(4D)	BITSTRING	5	TC29SXQU	First 5 bytes of request RU
(52)	BITSTRING	9	(0)	Last expedited response sent
(52)	BITSTRING	2	TC29SXPN	Sequence number
(54)	BITSTRING	2	TC29SXPH	First 2 bytes of Request Header
(56)	BITSTRING	5	TC29SXPU	First 5 bytes of Response RU
(30)	.1.1 1.11	3	TC29OLEN	"*-DFHTCV29" Overall length of Vector
End of a	assembler section		. OZOCELIV	2 Ovoldi longin or voolor
LIIU OI a	AGGGTTIDIGT GGGTTOTT			

TCX TCA extension for LU6.2

CONTROL BLOCK NAME = DFHTCXDS DESCRIPTIVE NAME = CICS TCA Extension For LU6.2 FUNCTION = This DSECT defines the Process Initialization Parameters (PIP) and Transaction Program Name (TPN) used by EXEC CICS CONNECT PROCESS and EXTRACT PROCESS for passing additional data on LU6.2 attaches.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTCXDS	,
(0)	FULLWORD	4		STGE ACNTG CONTROL DATA
(4)	ADDRESS	4		STGE ACNTG CHAIN ADDRESS
(8)	HALFWORD	2	TCAXPIPL	PIP LENGTH
(A)	CHARACTER	1	TCAXTPNL	TPN LENGTH
(B)	CHARACTER	64	TCAXTPN (0)	TPN
(0)	FULLWORD	4	TCAXPIP (0)	PIP DATA
(0)	CHARACTER	8	TCAXMODN (0)	MODENAME
	11		TCAXGETL	"TCAXTPN-TCAXPIPL" PREFIX LENGTH FOR GETMAIN

TDCI Transient data control intervals

MODULE NAME = DFHTDCI DESCRIPTIVE NAME = Transient Data Control Intervals CICS/ESA AP Domain FUNCTION = Copybook DFHTDCI provides dsect DFHTDCI which describes 1. the TD control record for Control Interval 0 2. the queue control record for Control Interval m where m > 0 3. the record definition field; i.e. the VSAM RDF 4. the control interval definition field; i.e. the VSAM CIDF Each control interval on the intrapartition data set is managed according to VSAM rules; i.e. the format is 1. n records where $n \ge 1$; the first record is either the TD control record or a queue control record 2. free space 3. n record definition fields 4. the control interval definition field LIFETIME = The lifetime of the control blocks is essentially that of the intrapartition data set. STORAGE CLASS = Not applicable. LOCATION = Not applicable. INNER CONTROL BLOCKS = There are no inner control blocks. NOTES : DEPENDENCIES = S/370 RESTRICTIONS = There are no restrictions.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTDCI	TD-VSAM CONTROL INT'VAL MAP
			TDFSTCI	"*" MAP OF FIRST CI OF DATA SET
(0)	CHARACTER	10	TDID	ID TO BE CHECKED WHEN RESTARTING.
(A)	HALFWORD	2	TDNUMCI	NUMBER OF CIS USED TO SIZE CI BIT MAP.
(C)		4	TDDATED	DATE INFO FROM CSAJYDP
(10)	FULLWORD	4	TDRESRV (3)	RESERVED
			TDCHREC	# * #
(0)	CHARACTER	4	TDCHDI	CHAIN RECORD DESTID

MODULE TYPE = Control block definition.

Offset Hex	Туре	Len	Name (Dim)	Description
(4)	FULLWORD	4	TDCHFC	CHAIN RECORD FORWARD CHAIN
(8)	CHARACTER	8	TDCHCLK	CHAIN RECORD CONTROL INTERVAL GENERATION ID
	1		TDCHL	"*-TDCHREC" CHAIN RECORD LENGTH
DATA I	RECORDS AND FRE	E SPACE		
(10)	CHARACTER	3	TDRDF (0)	RECORD DEFINITION FIELD
(10)	BITSTRING	1	TDCF	CONTROL FIELD (FLAG BYTE)
FLAG B	YTE VALUES:			
			TDRSINGL	"X'00" RDF GIVES LENGTH OF SINGLE RECORD.
(11)	CHARACTER	2	TDLENREC	LENGTH OF RECORD
	11		TDRDFLN	"*-TDRDF" LENGTH OF RDF
(13)	CHARACTER	4	TDCIDF (0)	CI DEFINITION FIELD
(13)	CHARACTER	2	TDOUS	OFFSET OF UNUSED SPACE
(15)	CHARACTER	2	TDLUS	LENGTH OF UNUSED SPACE (L'CI-L'(CIDF+RDFS)-TDOUS))
	1		TDCIDFLN	"*-TDCIDF" LENGTH OF CIDF
	1 .111		TDCIEND	"*" END OF CI

TDIA Transient data input area

```
MODULE NAME = DFHTDIPS
DESCRIPTIVE NAME = Transient Data Input Area
            CICS/ESA AP Domain
FUNCTION =
   Copybook DFHTDIPS provides structure DFHTDIA. DFHTDIA describes the format of Transient Data
   Input Areas (TDIAs) as used by CICS, each TDIA
   consists of a header, the description of which
   follows, and application defined data.
LIFETIME =
   TDIAs are allocated to hold data passed from
   Transient Data for EXEC CICS READQ TD QUEUE(...) SET(...)
   TDIAs (if allocated) are freed, at latest, at
   task termination.
   No more than one TDIA is allocated to a task.
STORAGE CLASS =
   TDIAs are allocated from either the USER24 or the
   USER31 task subpool.
LOCATION =
   The TDIA is addressed from TCAIDAA in the TCA.
INNER CONTROL BLOCKS =
   There are no inner control blocks.
NOTES:
DEPENDENCIES =
RESTRICTIONS =
   There are no restrictions.
   Control block definition.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DFHTDIA	Transient Data Input Area
(0)	CHARACTER	16	TDIA_PREFIX	- prefix
(0)	HALFWORD	2	TDIA_LENGTH	- length
(2)	CHARACTER	1	TDIA_ARROW	- value - '>'
(3)	CHARACTER	3	TDIA_DFH	- value - 'DFH'
(6)	CHARACTER	2	TDIA_DOMID	- value - 'TD'
(8)	CHARACTER	8	TDIA_BLOCK	- value - 'TDIA '
(10)	CHARACTER	*	TDIA_DATA	 application data

TDOA Transient data output area

```
MODULE NAME = DFHTDOPS
DESCRIPTIVE NAME = CICS/MVS AP Domain
Transient Data Output Area
FUNCTION =
   Copybook DFHTDOPS provides structure DFHTDOA.
   DFHTDOA describes the format of Transient Data
   Output Areas (TDOAs) as used by CICS. Each TDOA
   consists of a header, the description of which follows, and application defined data.
LIFETIME =
   TDOAs may be allocated to hold data passed to
   Transient Data for
     DFHTD TYPE=PUT,DESTID=...
   however this is not essential.
   TDOAs (if allocated) are freed, at latest, at
   task termination.
STORAGE CLASS =
   TDOAs are allocated from CLASS=TRANSDATA storage,
   i.e. from task local AMODE(24) storage.
LOCATION =
   Application defined.
INNER CONTROL BLOCKS =
   There are no inner control blocks.
DEPENDENCIES =
   S/370
RESTRICTIONS =
There are no restrictions.

MODULE TYPE =
   Control block definition.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DFHTDOA	Transient Data Output Area
(0)	CHARACTER	8	TDOAPFX1	- storage accounting prefix
(0)	BITSTRING	1	TDOASCI	- class
(1)	BITSTRING	1	TDOASFI	- format
(2)	HALFWORD	2	TDOASAL	- length
(4)	ADDRESS	4	TDOASCA	- chain
(8)	CHARACTER	4	TDOAPFX2	 variable record prefix
(8)	HALFWORD	2	TDOAVRL	- LL
(A)	HALFWORD	2	TDOAVBB	- BB
(C)	CHARACTER	*	TDOADBA	 data, length in TDOAVRL

TDST Transient data static storage

```
MODULE NAME = DFHTDSPS
DESCRIPTIVE NAME = Transient Data Static Storage.
CICS/ESA AP Domain
FUNCTION =
    Copybook DFHTDSPS provides structure DFHTDST.
    DFHTDST describes Transient Data Static Storage
    (TDST), only one TDST is allocated.
LIFETIME =
    The lifetime of the control block is essentially
   that of CICS.
STORAGE CLASS =
    The control block is located in storage allocated
   from the DFHTDG31 subpool.
LOCATION =
The TDST is located from the CSA.

INNER CONTROL BLOCKS =
   There are no inner control blocks.
DEPENDENCIES =
   S/370
 RESTRICTIONS =
There are no restrictions.

MODULE TYPE =
   Control block definition.
        TRANSIENT DATA STATIC STORAGE
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	216	DFHTDST	
(0)	CHARACTER	16	TDST_PREFIX	prefix
(0)	HALFWORD	2	TDST LENGTH	- length
(2)	CHARACTER	1	TDST ARROW	- value - '>'
(3)	CHARACTER	3	TDST_DFH	- value - 'DFH'
(6)	CHARACTER	2	TDST_DOMID	- value - 'TD'
(8)	CHARACTER	8	TDST BLOCK	- value - 'TDST '
(10)	CHARACTER	12	TDST ENTRIES	entry points
(10)	ADDRESS	4	TDST_TDANA	- TDA - extrapartition
(14)	ADDRESS	4	TDST_TDBNA	- TDB - intrapartition
(18)	ADDRESS	4	TDST_TDRM	- TD recovery manager
(1C)	CHARACTER	72	TDST_ETOKENS	subpool tokens
(1C)	CHARACTER	8	TDST_G24	- general use - AMODE 24
(24)	CHARACTER	8	TDST_G31	- general use - AMODE 31
(2C)	CHARACTER	8	TDST_SDS	- real SDSCI - AMODE 24 - 4 DCTE types - AMODE 31
(34)	CHARACTER	8	TDST_EXTRA	.,
` '			DCTE_STG_SUBPOOL	
(3C)	CHARACTER	8	TDST INTRA	
()			DCTE_STG_SUBPOOL	
(44)	CHARACTER	8	TDST INDIR	
()			DCTE STG SUBPOOL	
(4C)	CHARACTER	8	TDST_REMOTE_	
()			DCTE_STG_SUBPOOL	
(54)	CHARACTER	8	TDST_IOB	- specific use - I/O buffers
(5C)	CHARACTER	8	TDST WCB	- specific use - MWCB pool
(64)	CHARACTER	16	TDST_GENBLKS	general control blocks
(64)	ADDRESS	4	TDST MBCA P	- A(buffer common area)
(68)	ADDRESS	4	TDST_MRCA_P	- A(string common area)
(6C)	ADDRESS	4	*	- reserved
(70)	ADDRESS	4	*	- reserved
(74)	CHARACTER	16	TDST_SPEBLKS	specific control blocks
(74)	ADDRESS	4	TDST_DCT1_P	- A(first DCTE)
(78)	ADDRESS	4	TDST_SDS1_P	- A(first SDSCI)
(7C)	ADDRESS	4	TDST CXRF P	- A(DCTE for CXRF)
(80)	ADDRESS	4	*	- reserved
(84)	CHARACTER	4	TDST_STATUS	TD status
(84)	CHARACTER	1	TDSTFLG0	- DCT contains
` '	1		TDSTNTRA	- intrapartition
	.1		TDSTLREC	- logical recovery
	1		TDSTPREC	- physical recovery
	1		*	- reserved
	1		TDSTXTRA	- extrapartition
	1		TDSTOPIN	- OPEN=INITIAL
	1.		TDSTNDIR	- indirect
	1		TDSTUSER	 entries that need Add_User *
(85)	CHARACTER	1	TDSTFLG1	- TD start up is
` '	1		TDSTCOLD	- cold
	.1		TDSTWARM	- warm
	1		TDSTEMER	- emergency
	1		TDSTINOP	- DFHINTRA opened
	1		TDST_CLOSED_	•
			FOR_REC	

TD closed, warm keypointing	Offset Hex	Туре	Len	Name (Dim)	Description
IN_PROGRESS				TDOT COLD	TD closed, warm keypointing
TDST_CLEAR INTRA_QUEUES		1			
INTRA_QUEUES		1		TDOT OLEAD	cold start in progress
CARACTER					
(86)		1		TD51#14400	
66	(00)		4		
(87)				TDSTFLG2	
BITSTRING				TDSTFLG3	
CHARACTER				*	
CHARACTER				TOST TO INIT	
1					
1 TDST_POST - (CICS) wait/post bit	(00)		•	-	
(88) BITSTRING 2					
CHARACTER	(88)		2	*	(5.55)
1 TDST_RESP_ INVALID				TDST RESP	- return code
TDST_RESP_ INVALID	(-)				
- invalid - exception - reserved - xlowning TcA) or 0 - xlowning Tex) or 0 - xlowning Tex) or 0 - xlowning Tex) or					- disaster
1 TDST_RESP_		.1		TDST_RESP_ INVALID	
EXCEPTION					- invalid
1 1111 * - exception - reserved (8C) CHARACTER 12 TDST_SRC - suspended request chain - (8C) ADDRESS 4 TDST_TCA_P - A(first MWCB) or 0 - (90) ADDRESS 4 TDST_MWCB_P - A(first MWCB) or 0 - (94) CHARACTER 4 * - remove info PLX msg - (98) CHARACTER 48 TDST_RECOVERY_DATA - (98) CHARACTER 8 TDST_TDUA STG_SUBPOOL (A0) CHARACTER 8 TDST_TDUB STG_SUBPOOL (A8) CHARACTER 8 TDST_TDCUB STG_SUBPOOL (B0) CHARACTER 8 * TDST_TDUA_FIRST - (B4) ADDRESS 4 TDST_TDUA_LAST - (B6) ADDRESS 4 TDST_TDUA_LAST - (B8) ADDRESS 4 TDST_TDUA_LAST - (B8) ADDRESS 4 TDST_TDUA_LAST - (B8) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 4 * Reserved (C5) CHARACTER 4 TDST_DIRECTORY_TOKEN (C6) CHARACTER 4 TDST_DIRECTORY_TOKEN (C7) FULLWORD 4 TDST_DIRECTORY - TOKEN - A(first MWCB) or 0		1		TDST_RESP_	
SC				EXCEPTION	
(8C) CHARACTER 12 TDST_SRC - suspended request chain (8C) ADDRESS 4 TDST_TCA_P - A(owning TCA) or 0 (90) ADDRESS 4 TDST_MWCB_P - A(irst MWCB) or 0 (94) CHARACTER 4 * TDST_RECOVERY_DATA (98) CHARACTER 8 TDST_TDUA_STG_SUBPOOL Stg subpool token (A0) CHARACTER 8 TDST_TDUB_STG_SUBPOOL Stg subpool token (A8) CHARACTER 8 TDST_TDUB_STG_SUBPOOL Stg subpool token (B0) CHARACTER 8 TDST_TDUB_STG_SUBPOOL Stg subpool token (B0) CHARACTER 8 TDST_TDUB_STG_SUBPOOL Stg subpool token (B0) ADDRESS 4 TDST_TDUA_FIRST FIRST TDUA chain head (B0) ADDRESS 4 TDST_TDUA_LAST Last TDUA (B4) ADDRESS 4 TDST_NOWNED FIRST FIRST TDUA (B4) ADDRESS 4 TDST_NOWNED FIRST LAST_CLEAR_TIME (C4) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 4 * (C8) CHARACTER 4 * (C8) CHARACTER 4 TDST_DIRECTORY_TOKEN (CC) FULLWORD 4 TDST_DCTE_INDIRECTS Indirect DCTEs count					- exception
ADDRESS					
(90) ADDRESS 4 TDST_MWCB_P - A(first MWCB) or 0 - remove info PLX msg (98) CHARACTER 48 TDST_RECOVERY_DATA (98) CHARACTER 8 TDST_TDUA_ STG_SUBPOOL (A0) CHARACTER 8 TDST_TDQUB_ STG_SUBPOOL (A8) CHARACTER 8 TDST_TDCUB_ STG_SUBPOOL (B0) CHARACTER 8 * TDST_TDUA_FIRST (B4) ADDRESS 4 TDST_TDUA_LAST (B8) ADDRESS 4 TDST_TDUA_LAST (B8) ADDRESS 4 TDST_TDUA_LAST (B8) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 4 * (C8) CHARACTER 4 TDST_DIRECTORY_TOKEN (CC) FULLWORD 4 TDST_DIRECTORY_TOKEN (CC) FULLWORD 4 TDST_DCTE_INDIRECTS - A(first MWCB) or 0 - remove info PLX msg Data aassociated with RM Stg subpool token Stg subpool token TDUA chain head First TDUA Last TDUA NQ pool token Last time DCT=xx,EMPTY was specified Reserved Dir Manager token Indirect DCTEs count					
(94) CHARACTER 4 * - remove info PLX msg (98) CHARACTER 48 TDST_RECOVERY_DATA (98) CHARACTER 8 TDST_TDUA_ STG_SUBPOOL (A0) CHARACTER 8 TDST_TDQUB_ STG_SUBPOOL (A8) CHARACTER 8 TDST_TDCUB_ STG_SUBPOOL (B0) CHARACTER 8 * TDST_TDUA_FIRST (B0) ADDRESS 4 TDST_TDUA_LAST (B4) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 8 TDST_DIRECTORY_TOKEN (C5) FULLWORD 4 TDST_DCTE_INDIRECTS (C6) FULLWORD 4 TDST_DCTE_INDIRECTS - remove info PLX msg Data aassociated with RM Stg_subpool token Stg subpool token TDUA chain head First TDUA Last TDUA NQ pool token TDUA chain head First TDUA Last TDUA Last imp DCT=xx,EMPTY was specified Reserved Dir Manager token Indirect DCTEs count	(8C)	ADDRESS			
(98) CHARACTER 48 TDST_RECOVERY_ DATA (98) CHARACTER 8 TDST_STDUA_ STG_SUBPOOL (A0) CHARACTER 8 TDST_TDQUB_ STG_SUBPOOL (A8) CHARACTER 8 TDST_TDCUB_ STG_SUBPOOL (B0) CHARACTER 8 * TDST_TDUA_FIRST TDUA chain head (B0) ADDRESS 4 TDST_TDUA_LAST Last TDUA (B4) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 8 TDST_DIRECTORY_TOKEN (C5) CHARACTER 4 * (C8) CHARACTER 4 TDST_DIRECTORY_TOKEN (CC) FULLWORD 4 TDST_DCTE_INDIRECTS Data aassociated with RM Stg subpool token Stg subpool token TDUA chain head First TDUA Last TDUA Last TDUA Last time DCT=xx,EMPTY was specified Reserved Dir Manager token Indirect DCTEs count				TDST_MWCB_P	
(98) CHARACTER 8 TDST_TDUA_ STG_SUBPOOL (A0) CHARACTER 8 TDST_TDQUB_ STG_SUBPOOL (A8) CHARACTER 8 TDST_TDCUB_ STG_SUBPOOL (B0) CHARACTER 8 * TDST_TDUA_FIRST (B4) ADDRESS 4 TDST_TDUA_LAST (B8) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 8 TDST_DIRECTORY_TOKEN (C5) CHARACTER 4 TDST_DIRECTORY_TOKEN (C6) CHARACTER 4 TDST_DIRECTORY_TOKEN (C7) FULLWORD 4 TDST_DCTE_INDIRECTS (C6) CHARACTER 1 TDST_DCTE_INDIRECTS (C7) FULLWORD 4 TDST_DCTE_INDIRECTS (C8) CHARACTER 1 TDST_DCTE_INDIRECTS (C8) CHARACTER 1 TDST_DCTE_INDIRECTS (C9) FULLWORD 1 TDST_DCTE_INDIRECTS (C9) CHARACTER 1 TDST_DCTE_INDIRECTS (C9) FULLWORD 1 TDST_DCTE_INDIRECTS (C9) CHARACTER 1 TDST_DCTE_INDIRECTS				*	
STG_SUBPOOL Stg subpool token					Data aassociated with RM
(A0) CHARACTER 8 TDST_TDQUB_STG_SUBPOOL (A8) CHARACTER 8 TDST_TDCUB_STG_SUBPOOL (B0) CHARACTER 8 * TDST_TDUA_FIRST First TDUA chain head (B0) ADDRESS 4 TDST_TDUA_LAST Last TDUA (B4) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 4 * (C8) CHARACTER 4 TDST_DIRECTORY_TOKEN (CC) FULLWORD 4 TDST_DCTE_INDIRECTS (DIVIDING STREET STDUA CHARACTER A TDST_LAST_CLEAR_TIME Reserved (CC) FULLWORD 4 TDST_DIRECTORY_TOKEN (DIVIDING STREET STDUA CHARACTER A TDST_DIRECTORY_TOKEN DIVIDING STREET STORM TOKEN DIVIDING STREET	(98)	CHARACTER	8		
(A0) CHARACTER 8 TDST_TDQUB_ STG_SUBPOOL (A8) CHARACTER 8 TDST_TDCUB_ STG_SUBPOOL (B0) CHARACTER 8 * TDST_SUBPOOL (B0) ADDRESS 4 TDST_TDUA_FIRST First TDUA (B4) ADDRESS 4 TDST_TDUA_LAST Last TDUA (B8) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 4 * Reserved (C6) CHARACTER 4 TDST_DIRECTORY_TOKEN (C6) CHARACTER 4 TDST_DIRECTORY_TOKEN (C7) FULLWORD 4 TDST_DCTE_INDIRECTS Indirect DCTEs count				STG_SUBPOOL	Otra color and talent
STG_SUBPOOL Stg subpool token	(40)	CHARACTER		TDCT TDOUB	Stg subpool token
(A8) CHARACTER	(AU)	CHARACTER	o		
(A8) CHARACTER 8 TDST_TDCUB_ STG_SUBPOOL Stg subpool token TDUA chain head (B0) CHARACTER 8 * TDUA chain head (B0) ADDRESS 4 TDST_TDUA_LAST First TDUA (B4) ADDRESS 4 TDST_NQ_POOL_TOKEN NQ pool token (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME Last time DCT=xx,EMPTY was specified Reserved (C4) CHARACTER 4 * Reserved (C8) CHARACTER 4 TDST_DIRECTORY_TOKEN Dir Manager token (CC) FULLWORD 4 TDST_DCTE_INDIRECTS Indirect DCTEs count				316_30BFOOL	Sta subpool tokon
STG_SUBPOOL Stg subpool token Stg subpoo	(//8/)	CHARACTER	Ω	TOST TOCUR	Sig subpoor token
(B0) CHARACTER 8 * TDUA chain head (B0) ADDRESS 4 TDST_TDUA_FIRST First TDUA (B4) ADDRESS 4 TDST_TDUA_LAST Last TDUA (B8) ADDRESS 4 TDST_NQ_POOL_TOKEN NQ pool token (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME Last time DCT=xx,EMPTY was specified (C4) CHARACTER 4 * Reserved (C8) CHARACTER 4 TDST_DIRECTORY_TOKEN Dir Manager token (CC) FULLWORD 4 TDST_DCTE_INDIRECTS Indirect DCTEs count	(A0)	OHARAOTER	U		
B0				010_0001 002	Sta subpool token
(B0) ADDRESS 4 TDST_TDUA_ FIRST Last TDUA First TDUA Last TDUA (B4) ADDRESS 4 TDST_TDUA_LAST Last TDUA Last TDUA (B8) ADDRESS 4 TDST_NQ_ POOL_TOKEN NQ pool token (BC) CHARACTER 8 TDST_LAST_ CLEAR_TIME Last time DCT=xxx,EMPTY was specified Reserved (C4) CHARACTER 4 * Reserved (C8) CHARACTER 4 TDST_DIRECTORY_ TOKEN Dir Manager token (CC) FULLWORD 4 TDST_DCTE_ INDIRECTS Indirect DCTEs count	(B0)	CHARACTER	8	*	
(B4) ADDRESS 4 TDST_TDUA_LAST Last TDUA (B8) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_CLEAR_TIME (C4) CHARACTER 4 * Reserved (C8) CHARACTER 4 TDST_DIRECTORY_TOKEN (CC) FULLWORD 4 TDST_DCTE_INDIRECTS Indirect DCTEs count				TDST TDUA FIRST	
(BB) ADDRESS 4 TDST_NQ_POOL_TOKEN (BC) CHARACTER 8 TDST_LAST_ CLEAR_TIME (C4) CHARACTER 4 * Reserved (C8) CHARACTER 4 TDST_DIRECTORY_TOKEN (CC) FULLWORD 4 TDST_DCTE_INDIRECTS Indirect DCTEs count					
(BC) CHARACTER 8 TDST_LAST_ CLEAR_TIME (C4) CHARACTER 4 * (C8) CHARACTER 4 TDST_DIRECTORY_ TOKEN (CC) FULLWORD 4 TDST_DCTE_ INDIRECTS (CC) FULLWORD 4 TDST_DCTE_ INDIRECTS (CC) FULLWORD 4 TDST_DCTE_ INDIRECTS (CC) ROPE (CC) NQ pool token Last time DCT=xx,EMPTY was specified Reserved (Reserved (Reserved (Reserved (Indirect DCTEs count	. ,		4		
(C4) CHARACTER 4 * Reserved (C8) CHARACTER 4 TDST_DIRECTORY_ TOKEN (CC) FULLWORD 4 TDST_DCTE_ INDIRECTS Last time DCT=xx,EMPTY was specified Reserved Reserved Dir Manager token Indirect DCTEs count	` ,				NQ pool token
(C4) CHARACTER (C8) 4 * Reserved (C8) CHARACTER (C8) 4 TDST_DIRECTORY_TOKEN Dir Manager token (CC) FULLWORD (C8) 4 TDST_DCTE_INDIRECTS Indirect DCTEs count	(BC)	CHARACTER	8	TDST_LAST_ CLEAR_TIME	•
(C8) CHARACTER 4 TDST_DIRECTORY_ TOKEN Dir Manager token (CC) FULLWORD 4 TDST_DCTE_ INDIRECTS Indirect DCTEs count					Last time DCT=xx,EMPTY was specified
(CC) FULLWORD 4 TDST_DCTE_ INDIRECTS Indirect DCTEs count	(C4)	CHARACTER	4	*	Reserved
(CC) FULLWORD 4 TDST_DCTE_ INDIRECTS Indirect DCTEs count	(C8)	CHARACTER	4	TDST_DIRECTORY_ TOKEN	
Indirect DCTEs count					Dir Manager token
	(CC)	FULLWORD	4	TDST_DCTE_ INDIRECTS	
(D0) ADDRESS 4 TDST QR TCB Address QR TCB					
_ = =	(D0)	ADDRESS	4	TDST_QR_TCB	Address QR TCB
(D8) CHARACTER *	(D8)	CHARACTER		•	

Transient data EXEC parameter list **TDUE**

```
CONTROL BLOCK NAME = DFHTDUEC
DESCRIPTIVE NAME = CICS EXEC argument list for Transient
                  Data user exits.
  Although provided in a general library, DFHTDUED is not
  to be used as a general programming interface. Refer to
  product documentation to determine intended usage.
  The following fields are part of the Product-sensitive
  Programming Interface.
TD_ADDR0
          TD_ADDR1
          TD_ADDR2
          TD_ADDR3
          TD_ADDR4
          TD_ADDR5
          TD ADDR6
          TD ADDR7
          TD_GROUP
          TD_FUNCT
          TD_BITS1
          TD_EIDOPT5
          TD_EIDOPT6
          TD EIDOPT7
          TD_QUEUE
          TD_WRITEQ_QUEUE
          TD_READQ_QUEUE
          TD_DELETEQ_QUEUE
          TD_READQ_SET
          TD_READQ_INTO
          TD_WRITEQ_FROM
          TD_LENGTH
          TD_WRITEQ_LENGTH
          TD_READQ_LENGTH
          TD_SYSID
          TD WRITEQ SYSID
          TD READQ SYSID
         TD_DELETEQ_SYSID
  All equates for values of EIBRCODE, EIBRESP and EIBRESP2
  form part of the General-purpose Programming Interface.
  All remaining fields used in defining the Exec Parameter
  List are product sensitive and may vary between CICS
  releases
FUNCTION =
   To define the EXEC parameter list for Transient Data
   requests, for use by global user exit programs at exit
   points XTDEREQ and XTDEREQC.
   On entry to the XTDEREQ and XTDEREQC User Exits, the EXEC
   parameter list is pointed to by UEPCLPS.
   The EXEC parameter list for Transient Data consists of
   eight addresses.
   The eight addresses are defined by TD_ADDR0 to TD_ADDR7.
   This DSECT defines these addresses and the areas that
   they point to.
   On entry to the XTDEREQ and XTDEREQC User Exits, the copy
   of EIBRCODE is pointed to by UEPRCODE, the copy of EIBRESP is pointed to by UEPRESP and the copy of EIBRESP2 is
   pointed to by UEPRESP2.
   This DSECT also contains equates for values of EIBRCODE,
   EIBRESP and EIBRESP2 used by Transient Data.
LIFETIME = Lifetime of the TD command request
STORAGE CLASS = As the storage being mapped is the translated
        source in the user's application program, the
        storage may be either above or below the line.
LOCATION = (1) EXEC Parameter List is addressed by UEPCLPS.
        (2) Fields copied from the EIB are addressed by
           UEPRCODE, UEPRESP and UEPRESP2.
         (3) The token for use in communicating between
           XTDEREQ and XTDEREQC is addressed by UEPTDTOK.
INNER CONTROL BLOCKS =
   TD_ADDR_LIST declares the EXEC addresses
   TD_EID defines the EID pointed to by TD_ADDR0.
NOTES :
DEPENDENCIES = S/370 ESA
RESTRICTIONS = None
MODULE TYPE = Control Block definition
EXTERNAL REFERENCES =
    None.
 DATA AREAS =
    None.
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
    None.
```

The command parameter list is a list of addresses which reference the argument values for this this EXEC CICS command. The addresses are only valid if the argument is applicable to this command. For example, address 1 is of the TD QUEUE name for all TD $\,$ commands, whereas the address 2 is of the FROM data area on WRITEQ commands, the SET address or INTO data area for READQ commands, and is not valid for DELETEQ commands. The existance bits in the EID component (TD_BITS1) specify those addresses that are valid, and the flagword bits (TD_EIDOPT5 - TD_EIDOPT7) specify the keywords that were given in the EXEC CICS TD command. Therefore, you can deduce the useage of each address by testing these bits in conjunction with the command function(TD_FUNCT).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	TD_ADDR_LIST	TD_ADDR_LIST consists of
(0)	ADDRESS	4	TD_ADDR0	the EID
(4)	ADDRESS	4	TD_ADDR1	QUEUE name
(8)	ADDRESS	4	TD_ADDR2	FROM data area (WRITEQ)
		INTO data a	rea (READQ) s (READQ)	
(C)	ADDRESS	4	TD_ADDR3	LENGTH value
(10)	ADDRESS	4	TD_ADDR4	Reserved
(14)	ADDRESS	4	TD_ADDR5	Reserved
(18)	ADDRESS	4	TD_ADDR6	Reserved
(1C)	ADDRESS	4	TD_ADDR7	SYSID

TD_EID (addressed by TD_ADDR0) gives the command function, and contains the existence and flagword bits.

Note: Equates for TD_GROUP, TD_FUNCT, EIBRCODE, EIBRESP and EIBRESP2 values are defined at the end of this data structure.

Offset	Туре	Len	Name (Dim)	Description	
Hex					
(0)	STRUCTURE	8	TD_EID		
(0)	CHARACTER	1	TD_GROUP	'08'X for TD	
(1)	CHARACTER	1	TD_FUNCT	'02'X for WRITEQ	

'04'X for READQ

'06'X for DELETEQ

The existence bits (TD_BITS1) specify the parameters that are valid for this command.

For example, TD_EXIST7 set on indicates that TD_ADDR7 is valid,

meaning that it addresses a SYSID value.

TD_ADDR0 is always valid and has no existence bit.

TD_EXIST3 may be modified by a user exit program invoked for

a READQ command with the SET option.

TD_EXIST7 may be modified by a user exit program invoked for any TD request.

None of the other bits may be modified.

None c	i the other bits may	be modilied.				
(2)	BITSTRING	1	TD_BITS1			
	1		TD_EXIST1			
	1		TD_QUEUE_V			
	1		TD_WRITEQ_ QUEUE_V			
	1		TD_READQ_ QUEUE_V			
	1		TD_DELETEQ_			
			QUEUE_V			
	.1		TD_EXIST2			
	.1		TD_WRITEQ_ FROM_V			
	.1		TD_READQ_			
			SET_INTO_V			
	1		TD_EXIST3			
	1		TD_LENGTH_V			
	1		TD_WRITEQ_			
			LENGTH_V			
	1		TD_READQ_			
			LENGTH_V			
	1 11		*	Reserved		
	1.		TD_EXIST7			
	1.		TD_SYSID_V			
	1.		TD_WRITEQ_ SYSID_V			
	1.		TD_READQ_ SYSID_V			
	1.		TD_DELETEQ_			
			SYSID_V			
	1		*	Reserved		

Offset Hex	Туре	Len	Name (Dim)	Description					
(3)	BITSTRING	2	*	Reserved					
bits.									
			et the TD_READQ_NOSUSPEND_X : (but may NOT modify)						
the TD	_READQ_SET_X b	oit for all READ	Q requests.						
These	bits have no mean	ing for WRITEC	or DELETEQ commands.						
(5)	BITSTRING	1	TD_EIDOPT5						
	1111 111.		*	Reserved					
	1		TD_READQ_SET_X	SET specified.					
(6)	BITSTRING	1	TD_EIDOPT6						
(6)	BITSTRING	1	*	Reserved					
(7)	BITSTRING	1	TD_EIDOPT7						
	11		*	Reserved					
	1		TD_READQ_						
			NOSUSPEND X						
				NOSUSPEND specified.					
	1 1111		*	Reserved					

The following definitions are for the rest of the arguments in the EXEC parameter list, addressed by TD_ADDR1 - TD_ADDR7 in TD_ADDR_LIST.

Offset	Туре	Len	Name (Dim)	Description
Hex (0)	STRUCTURE	8	TD DATA1	
(0)	CHARACTER	8	TD QUEUE	the QUEUE name
(0)	CHARACTER	8	TD WRITEQ QUEUE	110 40202 1141110
(0)	CHARACTER	8	TD READQ QUEUE	
(0)	CHARACTER	8	TD_DELETEQ_ QUEUE	
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	TD DATA2	
(0)	ADDRESS	4	TD_READQ_SET	the SET address
(0)	CHARACTER	*	TD_READQ_INTO	the INTO area
(0)	CHARACTER	*	TD_WRITEQ_FROM	the FROM area
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	2	TD_DATA3	
(0)	HALFWORD HALFWORD	2 2	TD_LENGTH	the data LENGTH
(0) (0)	HALFWORD	2	TD_WRITEQ_ LENGTH TD_READQ_LENGTH	
Offset	Туре	Len	Name (Dim)	Description
Hex	CTDUCTURE	4	TD DATAZ	
(0)	STRUCTURE CHARACTER	4 4	TD_DATA7 TD SYSID	the SYSID name
(0) (0)	CHARACTER	4	TD_SYSID TD WRITEQ SYSID	me o roin name
(0)	CHARACTER	4	TD_WRITEQ_STSID TD_READQ_SYSID	
(0)	CHARACTER	4	TD_DELETEQ_ SYSID	
(0)	OFFICIALITY	4	ID_DELETEQ_ STOID	

Constants

Len 1	Type HEX	Value 08	Name TD_TRANDATA_GROUP	Description
Equ	uates for TD_ FUNCT	values.		
1 1 1	HEX HEX HEX	02 04 06	TD_WRITEQ TD_READQ TD_DELETEQ	Writeq Readq Deleteq
	Start of General Use Pr		.5_5555.04	Jones
1	HEX	00	TD_OK_EIBRCODE	
1	HEX	01	TD_QZERO_EIBRCODE	
1	HEX	02	TD_QIDERR_EIBRCODE	
1	HEX	04	TD_IOERR_EIBRCODE	
1	HEX	08	TD_NOTOPEN_ EIBRCODE	
1	HEX	10	TD_NOSPACE_ EIBRCODE	
1	HEX	C0	TD_QBUSY_EIBRCODE	
1	HEX	D0	TD_SYSIDERR_ EIBRCODE	
1	HEX	D1	TD_ISCINVREQ_ EIBRCODE	
1	HEX	D6	TD_NOTAUTH_ EIBRCODE	
1	HEX	D7	TD_DISABLED_ EIBRCODE	
1	HEX	E0	TD_INVREQ_EIBRCODE	
1	HEX	E1	TD_LENGERR_ EIBRCODE	
	Equates for EIBRESP	values used by Transient Data.		
1	DECIMAL	0	TD_OK_EIBRESP	
1	DECIMAL	23	TD_QZERO_EIBRESP	
1	DECIMAL	44	TD_QIDERR_EIBRESP	
1	DECIMAL	17	TD_IOERR_EIBRESP	
1	DECIMAL	19	TD_NOTOPEN_EIBRESP	
1	DECIMAL	18	TD_NOSPACE_EIBRESP	
1	DECIMAL	25	TD_QBUSY_EIBRESP	
1	DECIMAL	53	TD_SYSIDERR_ EIBRESP	
1	DECIMAL	54	TD_ISCINVREQ_ EIBRESP	
1	DECIMAL	70	TD_NOTAUTH_EIBRESP	
1	DECIMAL	84	TD_DISABLED_ EIBRESP	
1	DECIMAL	16	TD_INVREQ_EIBRESP	
1	DECIMAL	22	TD_LENGERR_EIBRESP	
	Equates for EIBRESP	2 values used by Transient Data.		
1	DECIMAL	0	TD_OK_EIBRESP2	ОК
1	DECIMAL	101	TD_NOTAUTH_ EIBRESP2	NOTAUTH *-*-**-**-**-**-**-*
				of General Use **-* *-* Programming Interface *-*

TEPCA TEP commarea mapper and descriptor

```
MACRO NAME = DFHTEPCA
DESCRIPTIVE NAME = CICS TEP commarea mapper and descriptor
FUNCTION =
    This macro provides a DSECT description and a storage
    mapper for the terminal error program (TEP) commarea.
NOTES :
 DEPENDENCIES = S/370
 RESTRICTIONS = See OPERANDS sections.
 MODULE TYPE = Executable macro
    Meaning of permissible TYPE operands:
        Build a DSECT named DFHTEPCA
    STORAGE

If a DSECT has already been built, then define a storage area to hold DFHTEPCA; otherwise, build a storage area using the
         named DSECT fields.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTEPCA	
In	vocation descriptor.	COMMARE	A for the TEP user	
	repl	aceable mod	ule	
(0)	BITSTRING	1	TEPCALDS	Local descriptor
(1)	BITSTRING	2	TEPCAGDS	Global descriptor
(3)	BITSTRING	1		Reserved
Add	dress of control block	s required by	the TEP	
(4)	ADDRESS	4	TEPCATCA	Address of the TACLE
(8)	ADDRESS	4	TEPCECIA	Address of the TCTUA
(C)	HALFWORD	2	TEPCECIL	Length of the TCTUA
	ion byte. Initially set			
Use	er can change these	default actioi	ns.	
(E)	BITSTRING	1	TEPCAACT	User actions
	1		LINEOS	"X'80" Line out of service
	.1		NONPRGT	"X'40'" Non purgable task
	1		TERMOS	"X'20" Terminal out of service
	1		ABENDT	"X'10" Abend transaction
	1		ABORTWR	"X'08" Abort write
	1		RELTTIOA	"X'04" Release TIOA
	1.		SIGNOFF	"X'02'" Sign off terminal
	eful information. The			
the	TEP or TET. All of t	he following	fields are read only.	
(F)	CHARACTER	4	TEPCATID	Terminal ID
(14)	FULLWORD	4	TEPCATDB	Current time of day binary
	1 1		TEPCADLN	"*-TEPCALDS" Length of this DSECT

TIE Task interface element

```
CONTROL BLOCK NAME = DFHTIEPS
DESCRIPTIVE NAME = CICS Task Interface Element
FUNCTION =
   PLX Structure of the TIE, which represents the intersection
   of a CICS task (TCA) with a named External Resource Manager
   represented by a Task Related User Exit (TRUE). An enabled
   TRUE is represented by an User Exit Program Block (EPB).
   The TIE holds all the task lifetime information which is
   passed betweena CICS task and a named External Resource
   Manager.
   The TIE belongs to the external resource manager module
   DFHERM. There can be many TIEs per CICS task. TIEs are
   chained off the TCA.
LIFETIME =
   A TIE is acuired the first time a TRUE is invoked by a
   CICS task. There is one TIE for each TRUE a task invokes.
   All TIEs for a task are freemained by DFHERM at end of task.
STORAGE CLASS =
   TIEs are getmained from a dedicated subpool for each TRUE.
   Appended to the end of the TIE, is the Task Local Work Area
   for the TRUE, whose size is specified when the TRUE is
   enabled. Hence TIEs for different TRUEs are different sizes.
   A TIE subpool is located above the line only if the TRUE
   TRUE is ENABLED specifying LINKEDITMODE, and the TRUE has
   been linkedited amode(31), meaning that the TRUE is always
   invoked in amode(31).
LOCATION =
   The head of the TIE chain is TCATIEBA in the system TCA.
   Within a TIE is TIECHNA which points to the next TIE on
   the chain for the task.
INNER CONTROL BLOCKS = None
DEPENDENCIES = S/390
RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
DATA AREAS = None
CONTROL BLOCKS = None
GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	128	DFHTIEDS	
(0)	CHARACTER	16	TIE_PREFIX	Standard Prefix
(0)	HALFWORD	2	TIE_LEN	Length (inc. work area)
(2)	CHARACTER	14	TIE_EYE	Eyecatcher
(2)	CHARACTER	6	TIE_EYE1	'>TIE'
(8)	CHARACTER	8	TIE_EYE2	Resource Manager name
(10)	ADDRESS	4	TIECHNA	Addr next TIE on TCA chain
(14)	ADDRESS	4	TIEUTCA	Addr of our TCA (user TCA)
(18)	ADDRESS	4	TIETRUEP	Addr of current UEPAR plist for TRUE - for dump's use
(1C)	ADDRESS	4	TIESECBLK	Addr user security block
(20)	BITSTRING	1	TIESECFLG	Security flags
	1		TIENOSEC	Security inactive
	.1		*	Reserved
	1		TIESEC	Security active for system
	1 1111		*	Reserved
(21)	BITSTRING	1	TIEEISFG	EIS settings for the TRUE
	1		TIEVALID	TIEEISFG settings are valid
	.1		TIEDAT31	True has DATALOCATION(ANY)
	1		TIECEDFY	True has CEDF(YES)
	1 1111		*	Reserved
(22)	BITSTRING	1	TIETRACE	Trace flags for TRUE
	1		TIETRLV1	RMI level 1 trace active
	.1		TIETRLV2	RMI level 2 trace active
	11 1111		*	Reserved
(23)	BITSTRING	1	*	Reserved
(24)	UNSIGNED	4	TIEPBTOK	WLM PB token
(28)	FULLWORD	4	TIERCNT	TRUE recursion count
(2C)	ADDRESS	4	TIEEPAD	Addr of EIP transfer vector

Recovery Section of TIE. These fields are shared between DFHERM and DFHERMSP which is the RMI syncpoint processor called by Recovery Manager Domain

(30)	CHARACTER	68	TIERECOV	Recovery section of TIE
(30)	CHARACTER	8	TIERTKN	Current UOW id
(38)	CHARACTER	27	TIE62UOW	Network wide (LU 6.2) UOWID
(53)	CHARACTER	1	*	filler to word align
(54)	CHARACTER	8	TIEEPN	Resource Manager name
(5C)	CHARACTER	8	TIERMQUA	Reource manager qualifier

Offset Hex	Туре	Len	Name (Dim)	Description		
(64)	BITSTRING	4	TIELTOK	Link token returned by RM		
(68)	ADDRESS	4	TIEEPBA	Addr of EPB for this TRUE		
(6C)	BITSTRING	1	TIEFOOTP	Footprints for RM Dom calls		
()	1		TIEADDLK	RMLN ADD_LINK issued		
	.1		TIERNEC	Recovery(necessary) set		
	1		TIESINGU	Single_updater(yes) set		
	1		TIESETTK	Set work token issued		
	1		TIESETHR	Set heurism(yes) issued		
	1		TIESETLI	SET_LINK_ID issued		
	1.		TIETRABD	True has abended		
	1		*	Reserved		
(CD)	BITSTRING	1	TIESYNCP			
(6D)	1			TRUE's syncpoint parms		
			TIESUPDR	TRUE understands single updater protocol		
	.1		TIEREADO	TRUE understands read-only protocol		
(05)	11 1111	•		Reserved		
(6E)	BITSTRING	2		Reserved		
TIEFLAGS is the target of UEPFLAGS during RMI execution. It is initialised from the TRUE's interest profile in the EPB (EPBFLAGS). The first byte of TIEFLAGS is reserved for CICS/VS 1.5 compatibility.						
(70)	BITSTRING	4	TIEFLAGS	TRUE interest profile		
(70)	BITSTRING	1	TIEFLAG0	Byte 0		
(71)	BITSTRING	1	TIEFLAG1	Byte 1		
(72)	BITSTRING	1	TIEFLAG2	Byte 2		
, ,	111		*	·		
	1		TIEMFEDF	Interest in EDF		
	1		*			
	1		TIEMCTER	Interest in shutdown		
	1.		*			
			TIEMTASK	Interest in task start/end		
(73)	BITSTRING	1	TIEFLAG3	Byte 3		
(. 0)	111	•	*	2,60		
	1		TIEMSYNC	Interest in Syncpoint		
	1		*	interest in Gyrisponit		
	1		TIEMAPPL	Interest in API calls		
	1.		TIEMSPI	Interest in SPI calls		
	1		*	mered in Grand		
E	nd of Recovery Section	on				
(74)	HALFWORD	2	TIEGAL	Global work area length		
(76)	HALFWORD	2	TIETAL	Task Local work area length		
(78)	ADDRESS	4	TIEFREE	Free TIE forward chain		
NO	TE: The offset of TIE	LWAA must	not be changed.			
(7C)	ADDRESS	4	TIELWAA	Address of LWA		
	d of the task Interface			Addison of En/A		
		e Element				
(80)	CHARACTER		TIEENDA	End of TIE		
Sta	art of TRUE's Task Lo	cal Work Are	ea (if one exists)			
(80)	CHARACTER		TIELWA	Start of TRUE's work area - must be doubleword aligned.		

Constants

Len	Туре	Value	Name	Description
2	HEX	2500	ERMSP_ENTRY	ERMSP entry
2	HEX	2501	ERMSP_EXIT	ERMSP exit
2	HEX	2502	ERMSP_INV_FORMAT	Invalid format
2	HEX	2503	ERMSP_INV_	Invalid rmro function
			RMRO_FUNCTION	
2	HEX	2504	ERMSP_INV_	Invalid rmlk function
			RMLK_FUNCTION	
2	HEX	2505	ERMSP_RECOVERY	Recovery routine entered
2	HEX	2506	ERMSP_RMWTI_ SET_FAIL	SET WORK_TOKEN from ERMSP has failed
2	HEX	2507	ERMSP_RMUWM_	INQ UOW from ERMSP has failed
			INQ_UOW_FAIL	
2	HEX	2508	ERMSP_XMAT_	attach from ERMSP has failed
			ATTACH_FAIL	
2	HEX	2509	ERMSP_RMI_BEFORE	ERMSP is about to call the RMI
2	HEX	2510	ERMSP_RMI_AFTER	Control has returned to ERMSP from the RMI
DFHE	RM			
2	HEX	2520	ERM ENTRY	entry trace
2	HEX	2521	ERM EXIT	exit trace
2	HEX	2522	ERM ABOUT	Passing control to the true
_			TO CALL TRUE	·
2	HEX	2523	ERM RETURN FROM TRUE	Receiving control back from the TRUE
2	HEX	2524	ERM RM NOT AVAILABLE	TRUE disabled
2	HEX	2525	ERM ADD LINK FAIL	ADD LINK from ERM has failed
2	HEX	2526	ERM SET LINK FAIL	SET LINK from ERM has failed
2	HEX	2527	ERM RMWTI SET FAIL	SET WORK TOKEN from ERM has failed
2	HEX	2528	ERM RMUWI INQ FAIL	INQ UOW ID from ERM has failed
			= = "=	

MEX 2539	Len	Туре	Value	Name	Description
PGEX					
BERROR BEFORE SERN POEX					
HEX 2531 ERM_PGEX_ ERROR_AFTER PGEX error after calling TRUE PGEX error during recovery processing ERM_PGEX_ ERROR_RECOV PGEX error during recovery processing ERM_PGEX_ERROR_RECOVERY_ENTERED ERM_ECOVERY_ENTERED ERM_ECOVERY	2	TILX	2550		FGEX ends belove calling TNOE
PGEX	2	HEX	2531		PGEX error after calling TRUE
BERNOR RECOVERY_ENTERED ERMs recovery routine invoked					
PHEX 2533 ERM_RECOVERY_ENTERED ERMS recovery routine invoked	-	,	2002		r GEA GITGE Gailing receivery processing
DFHRMSY	2	HEX	2533		ERM's recovery routine invoked
Page	2	HEX	2534		XPCHAIR exit in DFHERM modified handle address
Part	DFH	HRMSY			
Part	2	HEX	2540	RMSY FNTRY	RMSY entry
Part					
NO_TRAN_FAIL NO_TRAN_FAIL RMSY_RMIUWM. RMSY_RMIUWM. RMSY_RMIUWM. RMSY_RMSY_RMIUWM. RMSY_RMSY_RMSY_RMSY_RMSY_RMSY_RMSY_RMSY_					
Page	2	TIEX	2542		AWIIGW HOTH TABLED
INQ_UOW_FAIL RMSY_RMDMM RMDM call from RMSY has failed RMSY_RMDMM RMSY_RMDMM RMSY received an unexprected reason for an exception response from rmin initiate_rec. RMSY_IND_RMSY_BAD RMSY_RMDM RMSY_RMDM RMSY received serious error from rmin call RMIN_RESPONSE RMSY_RMIN_RESPONSE RRMS_RMIN_RESPONSE RMSY_RMIN_RESPONSE RMSY_RMIN_RESPONSE RRMS_RECOVERY RECOVERY REC	2	HEX	2543		RMIJWM ing yow from RMSY has failed
RMDM call from RMSY has failed INO_STARTUP_FAIL RMSY_INDMM_IND_STARTUP_FAIL RMSY_INDMM_IND_STARTUP_FAIL RMSY_INDEXPECTED_ RMIN_REASON RMSY_INDEXPECTED_ RMSY_INDEX	-	,	20.0		Time Time and a contract time times
INQ_STARTUP_FAIL RMSY_UNEXPECTED RMSY received an unexprected reason for an exception response from min initiate_rec. RMSY_BAD RMSY_Feelved serious error from min call RMIN_RESPONSE RMSY_RMIN_RESPONSE RMSY_RMSY_RMSY is about to call the RMI RMSY_RMSY_RMIN_RESPONSE RMSY_RMSY_RMSY is about to call the RMI RMSY_RMSY_RMSY_RMSY_RMSY is about to call the RMI RMSY_RMSY_RMSY_RMSY_RMSY_RMSY_RMSY_RMSY is about to call the RMI RMSY_RMSY_RMSY_RMSY_RMSY_RMSY_RMSY_RMSY_	2	HEX	2544		RMDM call from RMSY has failed
Part	-	,	20		Tangar dan nom tangar hadi tanga
RMLN_REASON room rmln initiate_rec. RMSY_RAD_ RMSY received serious error from rmln call RMLN_RESPONSE RMSY_RMLN Terminate recovery issued by RMSY has failed reminate recovery issued by RMSY has failed RMSY_RMLN_ERMIN_EFAIL ERMINS_RMSY_RMS_RMSY_RMS_RMSY_RMSY_RMSY_RMSY_	2	HEX	2545		RMSY received an unexprected reason for an exception response
Part					·
RMLN_RESPONSE RMSY_RMLN_ TERMINATE_FAIL PHEX 2548 RMSY_RMLN_ TERMINATE_FAIL RMSY is about to call the RMI Control has returned to RMSY from the RMI ERMRS_ENTRY ERMRS_ENTRY_ENTRY ERMRS_ENTRY ERMRS_ENTRY_ENTRY ERMRS_ENTRY_ENTRY ERMRS_ENTRY_ENTRY ERMRS_ENTRY ERMRS_ENTR	2	HEX	2546		
Part					
TERMINATE_FAIL RMSY_RMI_BEFORE RMSY is about to call the RMI Control has returned to RMSY from the RMI PHEX 2549 RMSY_RMI_AFTER Control has returned to RMSY from the RMI Control has returned to RMSY from the RMI ERMRS_ENTRY ERMRS_	2	HEX	2547		Terminate recovery issued by RMSY has failed
DFHERMRS					
DFHERMRS 2 HEX 2560 ERMRS_ENTRY ERMRS entry 2 HEX 2561 ERMRS_EXIT ERMRS exit 2 HEX 2562 ERMRS_INV_ EIP_FUNCTION ERMRS called for wrong EIP function 1 HEX 2563 ERMRS_INV_FUNCTION Invalid eiei function 2 HEX 2564 ERMRS_RMLN_ RMLN start link browse from ERMRS failed 2 HEX 2565 ERMRS_RMLN_ GET_NEXT_LINK_FAIL 2 HEX 2566 ERMRS_RMLN_ RMLN getnext_link from ERMRS failed 2 HEX 2566 ERMRS_RMLN_ RMLN end link browse from ERMRS failed 2 HEX 2566 ERMRS_RMLN_ RMLN end link browse from ERMRS failed 2 HEX 2566 ERMRS_RMLN_ RMLN end link browse from ERMRS failed 2 HEX 2567 ERMRS_RECOVERY Recovery routine entered 2 HEX 2568 ERMRS_RMUWM_ INQ UOW from ERMRS has failed 3 INQ UOW from ERMRS has failed 4 HEX 2569 ERMRS_UNEXPECTED_ ERMRS received an unexprected reason for an exception response from min initiate_rec. 4 HEX 2570 ERMRS_BAD_ ERMRS received serious error from min initiate_rec. 5 HEX 2571 ERMRS_RMLN_ RMLN_ RMLN set mark from ERMRS failed 6 HEX 2572 ERMRS_RMLN_ RMLN set mark from ERMRS failed 7 HEX 2573 ERMRS_MAN_ RMLN set mark from ERMRS failed 8 HEX 2573 ERMRS_MAN_ Attach from ERMRS has failed	2	HEX	2548	-	RMSY is about to call the RMI
Part		HEX			
2 HEX 2561 ERMRS_EXIT ERMRS exit 2 HEX 2562 ERMRS_INV_EIP_FUNCTION ERMRS called for wrong EIP function 4 HEX 2563 ERMRS_INV_FUNCTION Invalid eiei function 5 HEX 2564 ERMRS_INV_FUNCTION Invalid eiei function 6 HEX 2565 ERMRS_RMLN_RMLN START_LINK_FAIL 7 HEX 2565 ERMRS_RMLN RMLN getnext_link from ERMRS failed 7 HEX 2566 ERMRS_RMLN RMLN end link browse from ERMRS failed 8 HEX 2566 ERMRS_RMLN RMLN end link browse from ERMRS failed 9 HEX 2567 ERMRS_RMLN RECOVERY RECOVERY RECOVERY INQ_UOW_FAIL INQ_UOW_FAIL 9 HEX 2568 ERMRS_RMUWM_INQ_UOW_FAIL INQ_UOW_FAIL 1 HEX 2570 ERMRS_BAD ERMRS received an unexprected reason for an exception response RMLN_REASON from rmln initiate_rec. 1 HEX 2571 ERMRS_BAD ERMRS received serious error from rmln initiate rec. 2 HEX 2572 ERMRS_RMLN RMLN terminate recovery from ERMRS failed 2 HEX 2573 ERMRS_RMLN RMLN set mark from ERMRS failed 2 HEX 2573 ERMRS_RMLN RMLN set mark from ERMRS failed	DFH	HERMRS			
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HEX 2563 ERMRS_INV_FUNCTION Invalid eiei function RMLN start link browse from ERMRS failed RMLN start link browse from ERMRS failed RMLN start link browse from ERMRS failed RMLN getnext_link from ERMRS failed RMLN end link browse from ERMRS failed RMLN und UOW from ERMRS has failed RMLN UOW from ERMRS has failed RMLN UOW from In initiate_rec. RMLN_REASON from rmln initiate_rec. RMLN_REASON ERMRS received an unexprected reason for an exception response from rmln initiate_rec. RMLN_REASON From rmln initiate_rec. RMLN_RESPONSE RMLN_RESPONSE RMLN_RESPONSE RMLN_RESPONSE RMLN_RESPONSE RMLN ERMRS RMLN RMLN ERMRS failed RMLN terminate recovery from ERMRS failed RMLN set mark from ERMRS failed RMLN set mark from ERMRS failed	2	HEX	2562	ERMRS INV EIP FUNCTION	ERMRS called for wrong EIP function
START_LINK_FAIL THEX 2565 ERMRS_RMLN_ RMLN getnext_link from ERMRS failed ERMRS_RMLN_ RMLN end link browse from ERMRS failed ERMRS_RMLN_ RMLN end link browse from ERMRS failed ERMRS_RMLN_ RECOVERY Recovery routine entered HEX 2567 ERMRS_RECOVERY Recovery routine entered ERMRS_RMUWM_ INQ UOW from ERMRS has failed INQ UOW from ERMRS has failed INQ UOW from ERMRS has failed ERMRS_UNEXPECTED_ ERMRS received an unexprected reason for an exception response from rmln initiate_rec. HEX 2570 ERMRS_BAD_ ERMRS received serious error from rmln initiate rec. ERMRS_RMLN_RESPONSE HEX 2571 ERMRS_RMLN_ RMLN terminate recovery from ERMRS failed ERMRS_RMLN_ ERMIN_ RMLN terminate recovery from ERMRS failed ERMRS_RMLN_ ERMRS_RMLN_ RMLN terminate recovery from ERMRS failed	2	HEX	2563		
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ERMRS_UNEXPECTED_ RMLN_REASON from rmln initiate_rec. ERMRS_BAD_ ERMRS_BAD_ ERMRS_received serious error from rmln initiate rec. ERMRS_BAD_ ERMRS_received serious error from rmln initiate rec. ERMRS_RMLN_RESPONSE ERMRS_RMLN_ TERMINATE_FAIL ERMRS_RMLN_ ERMRS_RMLN_ RMLN set mark from ERMRS failed ERMRS_RMLN_ ERMRS_RMLN_ ARMLN SET_MARK_FAIL ERMRS_RMLN_ ERMRS_RMLN_ ARMLN SET_MARK_FAIL ERMRS_RMLN_ ERMRS_RMLN ARMLN SET_MARK_FAIL ERMRS_KAMAT_ Attach from ERMRS has failed	2	HEX	2568		INQ UOW from ERMRS has failed
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2 HEX 2571 ERMRS_RMLN_ TERMINATE_FAIL RMLN terminate recovery from ERMRS failed 2 HEX 2572 ERMRS_RMLN_ SET_MARK_FAIL RMLN set mark from ERMRS failed 2 HEX 2573 ERMRS_XMAT_ attach from ERMRS has failed	2	HEX	2570		ERMRS received serious error from rmln initiate rec.
TERMINATE_FAIL 2 HEX 2572 ERMRS_RMLN_ SET_MARK_FAIL RMLN set mark from ERMRS failed 2 HEX 2573 ERMRS_XMAT_ attach from ERMRS has failed				-	
2 HEX 2572 ERMRS_RMLN_ SET_MARK_FAIL RMLN set mark from ERMRS failed 2 HEX 2573 ERMRS_XMAT_ attach from ERMRS has failed	2	HEX	2571		RMLN terminate recovery from ERMRS failed
SET_MARK_FAIL 2 HEX 2573 ERMRS_XMAT_ attach from ERMRS has failed					
2 HEX 2573 ERMRS_XMAT_ attach from ERMRS has failed	2	HEX	2572		RMLN set mark from ERMRS failed
·	_				
ATTACH_FAIL	2	HEX	2573		attach from ERMRS has failed
				ATTACH_FAIL	

TIOA Terminal input/output area

MODULE NAME = DFHTIOA DESCRIPTIVE NAME = CICS TERMINAL INPUT/OUTPUT AREA
DUAL LANGUAGE DSECT FUNCTION = DEFINES THE TERMINAL INPUT/OUTPUT AREA DEPENDENCIES = S/370 RESTRICTIONS = NONE REGISTER CONVENTIONS = NOT APPLICABLE PATCH LABEL = NOT APPLICABLE MODULE TYPE = DSECT MODULE SIZE = NOT APPLICABLE ATTRIBUTES = NOT APPLICABLE ENTRY POINT = NOT APPLICABLE PURPOSE = DEFINE THE TERMINAL INPUT/OUTPUT AREA LINKAGE = NOT APPLICABLE INPUT = NOT APPLICABLE OUTPUT = NOT APPLICABLE EXIT-NORMAL = NOT APPLICABLE EXIT-ERROR = NOT APPLICABLE EXTERNAL REFERENCES = NOT APPLICABLE
CONTROL BLOCKS = NOT APPLICABLE
TABLES = NOT APPLICABLE
MACROS = NONE

The following fields are for customer use:-TIOATDL TIOAWCI TIOACLCR TIOALAC TIOADBA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	DFHTIOA	DUMMY SECTION - TERMINAL I/O AREA
(0)	CHARACTER	8	TIOASAA	STORAGE ACCOUNTING AREA
(0)	CHARACTER	2	*	STORAGE CLASS - TERMINAL
(2)	UNSIGNED	2	TIOASAL	STORAGE ACCOUNTING AREA LENGTH
(4)	ADDRESS	4	TIOASCA	CHAIN ADDRESS OF NEXT TERMINAL STORAGE ENTRY FOR THIS TASK
(8)	HALFWORD	2	TIOATDL	TERMINAL DATA LENGTH
(A)	BITSTRING	1	TIOAWCI	WRITE CONTROL INDICATOR
(B)	CHARACTER	1	TIOACLCR	WCC OR CCC CHARACTER
(B)	BITSTRING	1	TIOALAC	LINE ADDRESS CONTROL
(C)	CHARACTER		TIOADBA	TERMINAL DATA BEGIN ADDRESS

TMDEL Table manager directory element

```
CONTROL BLOCK NAME = DFHTMDEL
DESCRIPTIVE NAME = CICS Table Manager Directory Element
FUNCTION =
  The table management directory element is a set of pointers
  that address members of chains of directory elements and a
  pointer to the corresponding directory segment. SKTFDEA in
  the table points to the first directory element and DIRGNCHN
  in each directory element points to its successor.
  DIRGPCHN points back to the predecessor and is 0 if at the
  front of the chain
LIFETIME =
  Since directory elements are grouped into directory segments,
  see the prolog for DFHTMDSG (directory segment) for details
  about storage allocation.
  Storage for a directory element will last for the duration
  of a CICS run though, if a table entry is deleted then its corresponding directory element will be marked as reusable
  and placed on a chain of free directory elements.
STORAGE CLASS =
  Shared storage above the 16M line.
LOCATION =
  SKTFDEA in the scatter table points to the first directory
  element, and DIRGNCHN in each directory element points to
  its successor.
  DIRELEMA in a directory segment points to the start of a
  group of directory elements.
  SKTFRDE in the scatter table points to the first free
  directory element. Subsequent free directory elements are
  chained together by the DIROWCHN field in the directory
  element.
INNER CONTROL BLOCKS = None.
DEPENDENCIES = S/370
RESTRICTIONS = None.
EXTERNAL REFERENCES = None.
 CONTROL BLOCKS = None.
 GLOBAL VARIABLES (Macro pass) = None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DIRELEM	Directory element
Dir	ectory element inform	ation		
(0)	CHARACTER	28	DIREINFO	Directory element info.
(0)	ADDRESS	4	DIRTEA	Table entry address
(4)	ADDRESS	4	DIRHSCHN	Hash chain
(8)	ADDRESS	4	DIROWCHN	Ownership chain
(C)	ADDRESS	4	DIRPRIME	Ptr. to primary DE.
(10)	ADDRESS	4	DIRGNCHN	Get next chain pointer
(14)	ADDRESS	4	DIRGPCHN	Get previous chain ptr
(18)	UNSIGNED	1	DIRETTC	Table type code
(19)	BITSTRING	1	DIRSTATS	Status of directory entry
. ,	1		DIRBFREE	Directory entry is free
	.1		DIRBTEAQ	DE is quiesced
	1		DIRBFIXD	Table entry free forbidden
	1		*	Reserved
	1		*	Reserved
	1		*	Reserved
	1.		DIRBADD	Uncommitted ADD request
			DIRBDEL	Uncommitted DELETE request
(1A)	BITSTRING	1	DIRTYPE	Type of entry
` ,	1		DIRBPRIM	Primary entry
	.1		DIRBALI	Alias entry
	1		DIRBINDX	Index entry
	1 1111		*	Reserved
(1B)	BITSTRING	1	*	Reserved
Dir	ectory entry key			
(1C)	CHARACTER	*	DIRKEY	Key of this entry

TMDSG Table manager directory segment

CONTROL BLOCK NAME = DFHTMDSG DESCRIPTIVE NAME = CICS Table Manager Directory Segment. FUNCTION =

The table management directory segment holds a group of directory elements (for each table entry there is a directory element. For a table entry which has aliases, there will be a directory element for each alias). Directory elements are grouped together in this way in order to reduce the number of requests for storage allocation. The number of directory elements per directory segment is controlled by TMNDESG in the table manager

LIFETIME =

Storage for a directory segment is acquired when adding a table entry, adding an alias name to an existing table entry, or when adding an entry to a secondary table (ie. a table which contains entries for remote objects). On subsequent additions to the table, storage for a new directory segment is acquired only when there are no free directory elements in the existing segment.

Once created, directory segments last for the duration of the CICS run. Note that if a table entry is deleted then its directory element is marked as reusable.

STORAGE CLASS =

Shared storage above the 16M line.

LOCATION =

The first segment is located by SKTDIRSA in the scatter table. Subsequent segments are chained by DIRSGCHN in the

directory segments themselves.

INNER CONTROL BLOCKS = DFHTMDEL (directory element).

NOTES:

DEPENDENCIES = S/370

RESTRICTIONS = None.

MODULE TYPE = Control block definition

EXTERNAL REFERENCES = None.

DATA AREAS = None.

CONTROL BLOCKS = None.

GLOBAL VARIABLES (Macro pass) = None.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DIRSEG	Directory segment
Sta	indard header			
(0)	CHARACTER	16	DIRHDR	Standard header
(0)	HALFWORD	2	DIRLNTH	Total length of table
(2)	CHARACTER	1	DIRARRW	Eye-catcher part 1: >
(3)	CHARACTER	3	DIRDFH	Eye-catcher part 2: DFH
(6)	CHARACTER	2	DIRTM	Eye-catcher part 3: TM
(8)	CHARACTER	8	DIREYEC	Block id: 'DIRSEG '
Dire	ectory segment inforn	nation		
(10)	CHARACTER	8	DIRINFO	Directory segment info.
(10)	ADDRESS	4	DIRSGCHN	Next directory segment ptr.
(14)	HALFWORD	2	*	Reserved
(16)	HALFWORD	2	*	Reserved
(18)	CHARACTER	256	DIRELEMA (*)	Directory elements

TMELD Table manager read lock block

```
CONTROL BLOCK NAME = DFHTMELD
DESCRIPTIVE NAME = CICS - Table Management Read Lock Block.
FUNCTION =
The table management read lock block consists of a set of read
locks and a count of locks assigned, on primary directory entries.
Each time a task uses a locate function, a read lock on the
primary directory entry, corresponding to the table entry found,
is created by the locate function. A directory entry which has a
read lock(s) can not be modified until the lock(s) is(are)
released. Read locks are released at task termination or on
specific request.
LIFETIME =
The initial read lock block is allocated at AP domain transaction
initialization, and release in AP domain transaction termination
and so a lock block is part of the AP transaction environemnt.
TMP will acquire storage for a lock block when a task issues a function that requires a lock on a primary table entry (eg. a
locate function). Note, when all locks within a lock block are
released, the storage for the lock block is not released but
re-initialised, thus making it reusable. If a task should require
re-starting, then storage for any lock blocks which are not being
used is released. Otherwise, storage for all read lock blocks is
released at task termination.
STORAGE CLASS = CICS storage (CSATCA31/24) above/below the 16M line.
In the TCA, TCARLB is the address of the first read lock block
Further read lock blocks are chained by TMELPTR, which is in the
read lock block itself.
INNER CONTROL BLOCKS = None.
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = None.
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None.
   DATA AREAS = None.
   CONTROL BLOCKS = None.
```

GLOBAL VARIABLES (Macro pass) = None.

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHTMELD	,
(0)	ADDRESS	4	TMELPTR	POINTER TO NEXT BLOCK
(4)	ADDRESS	4	TMENUMRL	NUMBER OF LOCK SLOTS IN BLOCK
	1		TMELKSTR	"*" START OF LOCK SLOTS
(8)	ADDRESS	4	TMELOCKG (2)	TABLE MANAGER LOCK
(10)	ADDRESS	4	TMELOCKF (2)	TABLE MANAGER LOCK
(18)	ADDRESS	4	TMELOCKE (2)	TABLE MANAGER LOCK
(20)	ADDRESS	4	TMELOCKD (2)	TABLE MANAGER LOCK
(28)	ADDRESS	4	TMELOCKC (2)	TABLE MANAGER LOCK
(30)	ADDRESS	4	TMELOCKB (2)	TABLE MANAGER LOCK
(38)	ADDRESS	4	TMELOCKA (2)	TABLE MANAGER LOCK
(40)	ADDRESS	4	TMELOCK9 (2)	TABLE MANAGER LOCK
(48)	ADDRESS	4	TMELOCK8 (2)	TABLE MANAGER LOCK
(50)	ADDRESS	4	TMELOCK7 (2)	TABLE MANAGER LOCK
(58)	ADDRESS	4	TMELOCK6 (2)	TABLE MANAGER LOCK
(60)	ADDRESS	4	TMELOCK5 (2)	TABLE MANAGER LOCK
(68)	ADDRESS	4	TMELOCK4 (2)	TABLE MANAGER LOCK
(70)	ADDRESS	4	TMELOCK3 (2)	TABLE MANAGER LOCK
(78)	ADDRESS	4	TMELOCK2 (2)	TABLE MANAGER LOCK
(80)	ADDRESS	4	TMELOCK1 (2)	TABLE MANAGER LOCK
	1 1		TMELKEND	"*" END OF LOCK SLOTS
	1		TMELKSIZ	"TMELOCK1-TMELOCK2" SIZE OF ONE LOCK SLOT
	1		TMENUMSL	"(TMELKEND-TMELKSTR)/TMELKSIZ" NUMBER OF SLOTS ACCORDING TO DSECT
	1 1		TMELSIZE	"*-DFHTMELD" SIZE OF READ LOCK BLOCK

TMRQ Table manager parameter list

CONTROL BLOCK NAME = DFHTMRQ
DESCRIPTIVE NAME = CICS Table Manager Parameter List FUNCTION = The table management parameter list holds information passed from a calling routine to DFHTMP. It also holds the response code and working storage for DFHTMP. LIFETIME = STORAGE CLASS = LOCATION = INNER CONTROL BLOCKS = DEPENDENCIES = S/370 RESTRICTIONS =
MODULE TYPE = Control block definition EXTERNAL REFERENCES = DATA AREAS = CONTROL BLOCKS = GLOBAL VARIABLES (Macro pass) =

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	TMRQLIST	
(0)	UNSIGNED	4	TMRQTW1	Trace data
(0)	UNSIGNED	1	TMRQTR	Request type
(1)	BITSTRING	1	TMRQRM	Request modifier
` '	1		TMRQRMCM	Commit immediately
	.1		TMRQRMLL	Local lock operation
	1		TMRQRMNC	Do not copy table entry
	1		TMRQRMNF	Entry storage fixed
	1		TMRQNOLK	Do not lock entry
	1		TMRQRMCN	Conditional request
	1		TMRQRNXB	Get Next Best
	1.		TMRQRMUL	Getnext unlock
	1		TMRQRMNU	Non-unique entries allowed
	1		TMRQRBTE	Browse token exists
(2)	UNSIGNED	1	TMRQTTC	Table type code
(3)	UNSIGNED	1	TMRQRC	Response code
(4)	ADDRESS	4	TMRQKEYP	Address of key
(4)	HALFWORD	2	TMRQHASH	Initial hash table size
(8)	ADDRESS	4	TMRQATE	Address of table entry
(8)	ADDRESS	4	TMRQRLDA	Address of lock data list
(8)	HALFWORD	2	TMRQKEYL	Key length
(A)	HALFWORD	2	TMRQMLLN	Max average locate length
(C)	ADDRESS	4	TMRQALIP	Address of alias name
(C)	HALFWORD	2	*	Reserved
(E)	UNSIGNED	1	TMRQTTCP	Primary table type
(10)	ADDRESS	4	TMRQBRTK	Address of browse tok
(10)	HALFWORD	2	TMRQTEL	Table entry length
(10)	UNSIGNED	1	TMRULRC	Reason code (Unlock)

Constants

Len	Туре	Value	Name	Description
1	DECIMAL	1	TMRQPCT	PCT entries
1	DECIMAL	2	TMRQPCTR	PCT remote entries
1	DECIMAL	3	TMRQPPT	PPT entries
1	DECIMAL	4	TMRQPFT	PFT entries
1	DECIMAL	5	TMRQFCT	FCT entries
1	DECIMAL	6	TMRQDCT	DCT entries
1	DECIMAL	7	TMRQTCTE	TCT terminal entries
1	DECIMAL	8	TMRQTCTN	TCT skeleton entries
1	DECIMAL	9	TMRQTCTS	TCT system entries
1	DECIMAL	10	TMRQAFCT	AFCT entries
1	DECIMAL	11	TMRQDSN	DSNAME blocks
1	DECIMAL	12	TMRQDSNA	DSNAME alternate index
1	DECIMAL	13	TMRQPRT	PRT entries
1	DECIMAL	14	TMRQTPNT	TPNT entries
1	DECIMAL	15	TMRQTCNT	TCNT entries
1	DECIMAL	16	TMRQAITM	AITM entries
1	DECIMAL	17	TMRQSNT	SNT entries
1	DECIMAL	18	TMRQTCSE	TCSE entries
1	DECIMAL	19	TMRQTCSR	TCSR entries
1	DECIMAL	20	TMRQTCSI	TCSI entries
1	DECIMAL	21	TMRQTCSN	TCSN entries
1	DECIMAL	22	TMRQTCTR	TCTR entries
1	DECIMAL	23	TMRQTCSM	TCSM entries

Len 1	Type DECIMAL	Value 24	Name TMRQTCNR	Description TCNR entries	
		24	IMRQTCIK	TOTAL ETITLES	
Requ	est Byte Values				
1	DECIMAL	1	TMRQLOC	Locate	
1	DECIMAL	2	TMRQGTN	Get Next	
1	DECIMAL	3	TMRQGNA	Get Next Alias	
1	DECIMAL	4	TMRQADD	Add	
1	DECIMAL	5	TMRQDEL	Delete	
1	DECIMAL	6	TMRQALI	Alias	
1	DECIMAL	7	TMRQLOK	Lock	
1	DECIMAL	8	TMRQULK	Unlock	
1	DECIMAL	9	TMRQCRI	Create index	
1	DECIMAL	10	TMRQNDX	Index	
1	DECIMAL	11	TMRQQUI	Quiesce	
1	DECIMAL	13	TMRQDWE	DWE	
1	DECIMAL	14	TMRQRST	Reset	
1	DECIMAL	15	TMRQUNQ	Unquiesce	
1	DECIMAL	16	TMRQGSK	Get secondary key	
Resp	onse Code Values				
1	DECIMAL	0	NORMRESP	Normal response	
1	DECIMAL	4	NOTFND	Not found	
1	DECIMAL	8	DUPFND	Duplicate found	
1	DECIMAL	12	INVREQ	Invalid request	
1	DECIMAL	16	TEBUSY	Table entry busy	
1	DECIMAL	20	PROTECT	Protected entry	
1	DECIMAL	24	RLHELD	Read lock held	
1	DECIMAL	28	RLNOTED	Read lock noted	
1	DECIMAL	32	NORLHELD	No read lock now	

TMS Table manager static storage area

CONTROL BLOCK NAME = DFHTMSSA DESCRIPTIVE NAME = CICS Table Manager Static Storage Area. FUNCTION = The table management static storage area holds global data for the Table Manager Program. SSATMP in the CSA's static storage area list holds the address of this area. It is allocated and initialised to hex zeroes at initialisation time. It has the lifetime of the CICS System. STORAGE CLASS = CICS Static Storage. LOCATION = Addressed by SSATMP in the Static Storage Address List. INNER CONTROL BLOCKS = None. DEPENDENCIES = S/370 RESTRICTIONS = None.
MODULE TYPE = Control block definition EXTERNAL REFERENCES = None. DATA AREAS = None. CONTROL BLOCKS = None. GLOBAL VARIABLES (Macro pass) = None.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	1124	TMSTATIC	Static storage for TMP
(0)	BITSTRING	1	*	Reserved
(1)	BITSTRING	2	*	Reserved
(3)	UNSIGNED	1	*	Reserved
(4)	FULLWORD	4	*	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
1- Re 2- Re 3- Re 4- PF 5- FC 6- Re 7- TC 8- TC 9- TC 10- AF 11- DS 12- DS 13- PF	T served TE TN TS CT SN SNA RT SServed SNT TM SSER SSER SSER SSI SSN STR SSM	TMATTV arra	ay	
(8) (8)	CHARACTER ADDRESS	32 4	TMATTV (24) TMASKT	Array of table info Address of scatter table
(C)	HALFWORD	2	TMNDESG	# elements per segment
(E)	HALFWORD	2	*	Reserved
(10)	FULLWORD	4	TMHSIZE	HASH table size
(14)	FULLWORD	4	TMCOUNT	Num. of entries
(18)	FULLWORD	4	TMTRIGR	Trigger value to rehash
(1C)	BITSTRING	2	TMBITS	Miscellaneous flags
	1		TMREHASH	Re-hash of table required
(1C)	BITSTRING	1	*	Reserved
(1E)	BITSTRING	2	*	Reserved
(20)	ADDRESS	4	TMABORD	Alphabetical ordering position
(24)	FULLWORD	4	TMRNGPOS	Range index
(308)	ADDRESS	4	TMENQHLD	TCA address of enqueuer
(30C)	ADDRESS	4 4	TMQEQHD *	Quiesce enqueue chain ptr. Reserved
(310) (314)	ADDRESS ADDRESS	4	TMCLHD	Reserved Change list head of chain
(314)	ADDRESS	4	TMCLLAST	Change list latest element
	obal lock block		7,1110222,101	Change for factor districts
(31C)	CHARACTER	132	TMGRLSEG	First segment global locks
(31C)	ADDRESS	4	TMGLCHPT	Pointer to next block
(320)	CHARACTER	8	TMGLLOCK (16)	First segment global locks
(320)	ADDRESS	4	TMGLVALU	Value of lock
(324)	UNSIGNED	4	TMGLCNT	Count of locks
	st rehash time for each	ch table		
(3A0)	BITSTRING	8	TMRHTIME (24)	
(460)	ADDRESS	4	TMLOCK_TOKEN	Lock token for TM
(464)	CHARACTER		TMSTATLN	Define end of block

TMSKT Table manager scatter table

```
CONTROL BLOCK NAME = DFHTMSKT
DESCRIPTIVE NAME = CICS Table Manager Scatter Table.
FUNCTION =
  The table management scatter table holds pointers to
  directory elements for use by the Table Manager Program.
  TMASKTx in the table management static storage area holds
  the address of this area.
LIFETIME =
  It exists for the duration of the CICS System.
  Storage for the scatter table (for each CICS table supported
  by the table manager) is allocated at CICS initialisation.
  However, the table manager reserves the right to dynamically
  rehash a scatter table when TMCOUNT (the number of table
  entries) is greater than or equal to TMTRIGR (triger value
  for rehash). During rehash, storage (above the 16M line) is
  acquired for the new hash table, and storage used by the old
  hash table is released.
STORAGE CLASS =
  Shared storage above the 16M line.
LOCATION =
  Pointed to by TMASKTx in the table manager static storage.
INNER CONTROL BLOCKS = None.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS = None.
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None.
 DATA AREAS = None.
 CONTROL BLOCKS = None.
 GLOBAL VARIABLES (Macro pass) = None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	SKTTBLE	Scatter table
Sta	ndard header			
(0)	CHARACTER	20	SKTHDR	Standard header
(0)	FULLWORD	4	SKTLNTH	Total length of table
(4)	CHARACTER	1	SKTARRW	Eye-catcher part 1: >
(5)	CHARACTER	3	SKTDFH	Eye-catcher part 2: DFH
(8)	CHARACTER	2	SKTTM	Eye-catcher part 3: TM
(A)	CHARACTER	8	SKTEYEC	Block id: 'SCATTER '
(12)	HALFWORD	2	*	Reserved
Sca	atter table information			
(14)	CHARACTER	28	SKTINFO	Scatter table information
(14)	BITSTRING	1	SKTFLAG1	Flag byte 1
	1		SKTNUEA	Non-unique entries allowed
	.111 1111		*	Reserved
(15)	BITSTRING	1	SKTFLAG2	Flag byte 2
(15)	BITSTRING	1	*	Reserved
(16)	UNSIGNED	1	SKTTTC	Table type code
(17)	UNSIGNED	1	SKTTTCP	Table type code for primary
(18)	HALFWORD	2	SKTDELN	Directory entry length
(1A)	HALFWORD	2	SKTKEYLN	Length of key
(1C)	FULLWORD	4	SKTMAXN	Maximum number of entries
(20)	ADDRESS	4	SKTDIRSA	First directory segment ptr
(24)	ADDRESS	4	SKTFDEA	First directory element ptr
(28)	ADDRESS	4	SKTFRDE	First free dir element ptr
(2C)	FULLWORD	4	SKTNUMDS	# directory segments
(30)	CHARACTER	16	SKTRANGE	GetNext Range-Table
(30)	FULLWORD	4	SKTRNG_NUM	Number of ranges
(34)	ADDRESS	4	SKTRNG_ADDR	Address of Range Table
(38)	FULLWORD	4	SKTRNG_SIZE	optimal size of rngs
(3C)	FULLWORD	4	SKTRNG_USED	Num of slots in use
Sca	atter table pointers			
(40)	ADDRESS	4	SKTDIREA (*)	Hash table ptr to dir elems

Range table pointers

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	SKTRANGES	Range Table
(0)	CHARACTER	8	SKTRNG_HEAD	Buffer to spot errors

Offset Hex	Туре	Len	Name (Dim)	Description
(8)	CHARACTER	8	SKTRNGE (*)	Get Next Range Table
(8)	FULLWORD	4	SKTRNG_COUNT	Num of elems in rng-1
(C)	ADDRESS	4	SKTRNG_PTR	Pointer to rng start

TPE Terminal partition extension

MODULE NAME = DFHTPE DESCRIPTIVE NAME = CICS TERMINAL PARTITION EXTENSION DUAL LANGUAGE DSECT FUNCTION = DEFINES THE TCTTE PARTITION EXTENSION. CHAINED OFF THE TCTTE BMS EXTENSION IF THE TERMINAL SUPPORTS PARTITIONS. BUILT BY THE DFHTCTPR MACRO. DEPENDENCIES = S/370 RESTRICTIONS = NONE REGISTER CONVENTIONS = NOT APPLICABLE PATCH LABEL = NOT APPLICABLE MODULE TYPE = DSECT MODULE SIZE = NOT APPLICABLE ATTRIBUTES = DSECT ENTRY POINT = NOT APPLICABLE PURPOSE = DEFINE THE TCTTE PARTITION EXTENSION LINKAGE = NOT APPLICABLE INPUT = NOT APPLICABLE OUTPUT = NOT APPLICABLE EXIT-NORMAL = NOT APPLICABLE EXIT-ERROR = NOT APPLICABLE EXTERNAL REFERENCES = NONE CONTROL BLOCKS = NOT APPLICABLE TABLES = NOT APPLICABLE MACROS = NONE PLSSTART

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	DFHTPE	DUMMY SECTION - TCT PARTITION EXTENSION
(0)	CHARACTER		TPESTART	START OF DEFINITION
(0)	HALFWORD	2	TPELL	LENGTH OF EXTENSION SET BY DFHTCT MACRO
(2)	BITSTRING	1	TPEFLG1	FLAG BYTE - SET BY DFHTCT. DEFAULT IS OFF FOR ALL FLAGS
` '	1		*	
	.1		*	
	1		*	
	1		*	Reserved
	1		TPEVCHAR	CHARACTER CELL SIZE ON A PARTITION BASIS
(3)	CHARACTER	17	TPEPSETS	NAME FOR TERMINAL SHARING CODE TO SHIP PSET NAMES
(3)	CHARACTER	8	TPECPSET	UNSUFFIXED NAME OF THE CURRENT (OR APPLICATION) PARTITION SET
(3)	CHARACTER	6	TPECPST6	APPL PSET NAME FOR DFHEEI
(9)	CHARACTER	2	*	RESERVED
(B)	CHARACTER	9	TPETPSET	TERMINAL PARTITION SET
(B)	CHARACTER	8	TPELPSET	UNSUFFIXED NAME OF THE LOADED (OR TERMINAL) PARTITION SET ZERO IF
				TERMINAL IN BASE STATE. BLANK IF TERMINAL STATE IS IN DOUBT
(13)	BITSTRING	1	TPEFLG2	DYNAMIC FLAG BYTE
	1		TPELPER	TERMINAL PSET HAS AN ERROR MESSAGE PARTITION

TQG Transient data global statistics

```
CONTROL BLOCK NAME = DFHTQGDS
DESCRIPTIVE NAME = CICS Global statistics for Transient data.
FUNCTION = This data block describes the global transient data
      Statistics.
      The data described here is placed in storage by DFHAPST.
      This DSECT is also used by DFHSTUP and user programs to
      to map the statistics block.
LIFETIME = The storage area is created when a request for AP
      domain Transient data statistics is received. It is
      released when the caller has acknowledged receipt of the
LOCATION = The caller is passed a pointer to the head of the block.
INNER CONTROL BLOCKS = None
NOTES
 DEPENDENCIES = S/370
 RESTRICTIONS = None
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
  DATA AREAS = None
  CONTROL BLOCKS = DFHMBCDS MBCANBFA
            DFHMBCDS MBCACNIU
DFHMBCDS MBCAMXIU
            DFHMBCDS MBCATNAL
            DFHMBCDS MBCACNAL
            DFHMBCDS MBCAMXAL
            DFHMBCDS MBCATNWT
            DFHMBCDS MBCACNWT
            DFHMBCDS MBCAMXWT
            DFHMRCDS MBCACISZ
            DFHMRCDS MBCANCIS
            DFHMRCDS MBCACTCI
            DFHMRCDS MBCAMXCI
            DFHMRCDS MBCANOSP
            DFHMRCDS MBCACTPT
            DFHMRCDS MBCACTFT
            DFHMRCDS MBCACTGT
            DFHMRCDS MBCACTIO
            DFHMRCDS MBCANSTA
            DFHMRCDS MBCATNAL
            DFHMRCDS MBCACNAL
            DEHMRCDS MBCAMXAL
            DFHMRCDS MBCATNWT
            DFHMRCDS MBCACNWT
            DFHMRCDS MBCAMXWT
  GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTQGDS	Transient data statistics (GLOBAL)
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	TQGLEN	Length of data area
	1. 11.1		TQGIDE	"45" Transient data stats id mask
(2)	ADDRESS	2	TQGID	Transient data id
	1		TQGVERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	TQGDVERS	Statistics version number
(5)	CHARACTER	3		Reserved
	Intrapartition Buffe	r Stats		
(8)	FULLWORD	4	TQGANBFA	Number of Buffers
(C)	FULLWORD	4	TQGAMXIU	Peak containing valid data
(10)	FULLWORD	4	TQGATNAL	Times buffer accessed
(14)	FULLWORD	4	TQGAMXAL	Peak concurrent access
(18)	FULLWORD	4	TQGATNWT	Times buffer wait occured
(1C)	FULLWORD	4	TQGAMXWT	Peak buffer waits
	Intrapartition dat	aset stats		
(20)	FULLWORD	4	TQGACISZ	Control interval size
(24)	FULLWORD	4	TQGANCIS	No. of control intervals
(28)	FULLWORD	4	TQGAMXCI	Peak No. Control intervals used
(2C)	FULLWORD	4	TQGANOSP	Times NOSPACE occurred
(30)	FULLWORD	4	TQGACTPT	No. of writes to dataset
(34)	FULLWORD	4	TQGACTGT	No. of reads from dataset
(38)	FULLWORD	4	TQGACTFT	No. formatting writes
(3C)	FULLWORD	4	TQGACTIO	No. of I/O errors
	Stats for Multipl	e strings		
(40)	FULLWORD	4	TQGSNSTA	Number of strings
(44)	FULLWORD	4	TQGSTNAL	Times string accessed
(48)	FULLWORD	4	TQGSMXAL	Peak concurrent accesses
(4C)	FULLWORD	4	TQGSTNWT	Times string wait occurred

Offset Hex	Туре	Len	Name (Dim)	Description	
(50)	FULLWORD	4	TQGSMXWT	Peak string waits	
	Current Transier	nt Data statis	stics		
(54)	FULLWORD	4	TQGACNAL	Current concurrent buffer access	
(58)	FULLWORD	4	TQGACNWT	Current buffer waits	
(5C)	FULLWORD	4	TQGACNIU	Current buffers containing valid data	
(60)	FULLWORD	4	TQGSCNAL	Current concurrent string access	
(64)	FULLWORD	4	TQGSCNWT	Current string waits	
(68)	FULLWORD	4	TQGACTCI	No. of Control intervals in use	
	.11. 11		TQGEND	#*#	
	.11. 11		TQGCLEN	"*-TQGLEN" Length of DSECT	

TQR Transient data statistics

```
CONTROL BLOCK NAME = DFHTQRDS
DESCRIPTIVE NAME = CICS Transient Data Queue Statistics
    CICS level at which this module was last updated
FUNCTION =
     This data area contains TD Queue statistics provided by the
     Transient Data functional area.
     It is provided for use in users monitoring applications
     to map the statistics returned via the APi, the statistics
     exit, or offline formatting products.

There is a single instance of this data block.
LIFETIME =
     This data block is created by the Transient Data functional
     area to store statistics to be passed to the user in
     response to a request for statistics. The storage is
     released when the user task is detached.
STORAGE CLASS =
LOCATION =
     The user is passed a pointer to the head of the storage
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from Transient Data
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHTQRDS IS NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTQRDS	Transient Data Queue statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	TQRLEN	Length of data area
	1. 1.1.		TQRIDE	"0042" TD Queue resid statistics id mask
(2)	ADDRESS	2	TQRID	TD Queue resid statistics id
	1		TQRVERS	"X'01'" Stats version number id mask
(4)	CHARACTER	1	TQRDVERS	Stats version number
(5)	CHARACTER	3		Filler
(8)	CHARACTER	4	TQRQID	TD Queue identifier
(C)	BITSTRING	1	TQRQTYPE	TD Queue destination type
(D)	CHARACTER	3		Reserved
(10)	FULLWORD	4	TQRWRITE	Total writes to queue
(14)	FULLWORD	4	TQRREAD	Total reads from queue
(18)	FULLWORD	4	TQRDELET	Total deletes of queue
Intrapartiti	on specific fields.			
(1C)	HALFWORD	2	TQRTRIGL	ATI tranid trigger level
(1E)	BITSTRING	1	TQRRTYPE	Recovery type
(1F)	BITSTRING	1	TQRFTYPE	ATI facility type
(20)	CHARACTER	4	TQRFNAME	ATI facility name
(24)	BITSTRING	1	TQRWAIT	Indoubt waiting supported
(25)	BITSTRING	1	TQRWAITA	Indoubt action (reject/queue)
(26)	CHARACTER	2		Reserved
(28)	CHARACTER	4	TQRATRAN	ATI tranid
(2C)	FULLWORD	4	TQRTRIGN	Number of triglev triggers
(30)	FULLWORD	4	TQRCCIUS	Current Cl's in use by this queue
(34)	FULLWORD	4	TQRPCIUS	Peak CI's in use by this queue
(38)	FULLWORD	4	TQRCNITM	Current number of items in queue

Offset Hex	Туре	Len	Name (Dim)	Description
Remote	specific fields.			
(3C) (40)	CHARACTER CHARACTER	4 4	TQRRSYS TQRRQID	Remote sysid Remote Queue identifier
Indirect	specific fields.			
(44)	CHARACTER	4	TQRIQID	Indirect Queue identifier
	rtition specific fields.			
(48) (49) (4C) (54) (80)	BITSTRING CHARACTER CHARACTER CHARACTER CHARACTER	1 3 8 44 8	TQRIOTYP TQRDDNM TQRDSNNM TQRPDSMN	I/O Type (input/output/readback) Reserved DD name of Extrapartition queue Dataset name of Extrapartition Queue PDS member name
(00)	1 1	Ü	TQREND TQRCLEN	"*-TQRLEN" Length of dsect
Equates	to test TD Queue typ	e (TQRQT)	PE).	<u> </u>
	1 1. 11		TQRQTEXT TQRQTINT TQRQTIND TQRQTREM	"1" Extrapartition Queue "2" Intrapartition Queue "3" Indirect Queue "4" Remote Queue
Equates	to test TD Facilty typ	e for ATI (T	QRFTYPE).	
	1 1. 11		TQRFTNA TQRFTTRM TQRFTSYS TQRFTNTE	"0" Not Applicable "1" Terminal "2" System "3" No terminal
Equates	to test Extrapartition	I/O type (TO	QRIOTYP).	
	1 1. 11		TQRIONA TQRIOIN TQRIOOUT TQRIORDB	"0" Not Applicable "1" Input "2" Output "3" Readback
Equates	to test Recovery type	e of queue (TQRRTYPE).	
	1 1. 11		TQRRTNA TQRRTPH TQRRTLG TQRRTNR	"0" Not Applicable "1" Physical recoverable "2" Logical recoverable "3" Non-recoverable
Equates	to test indoubt wait o	ption for qu	eue (TQRWAIT).	
	1 1.		TQRWTNA TQRWTYES TQRWTNO	"0" Not Applicable "1" Queue supports indoubt waiting "2" Does not support indoubt waiting
Equates	to test indoubt wait a	ction for que	,	
	1 1.		TQRWANA TQRWAREJ TQRWAQUE	"0" Not Applicable "1" Further requests will be rejected "2" Further requests will be queued

TRA Trace domain - common structures

CONTROL BLOCK NAME = DFHTRA
DESCRIPTIVE NAME = CICS Trace Domain - Common structures
and constants
FUNCTION = Contains the structure for :-DFHTRA - TR anchor block
: from original within DFHTRDS
TR domain Anchor Block storage definition

Offset Hex	Туре	Len	Name (Dim)	Description		
(0)	STRUCTURE	208	DFHTRA			
(0)	CHARACTER	16	TRA_PREFIX	Standard control block prefix		
(0)	HALFWORD	2	TRA_LENGTH	Length of anchor block		
(2)	CHARACTER	1	TRA_ARROW	'>'		
(3)	CHARACTER	3	TRA_DFH	'DFH'		
(6)	CHARACTER	2	TRA_DOMID	'TR'		
(8)	CHARACTER	8	TRA_BLOCK_NAME	'ANCHOR'		
(10)	CHARACTER	8	TRA_LOCK_BLOCK	Trace lock block for DFHKERN Doubleword align for CDS		
(18)	CHARACTER	8	TRA_NAB_INFO	Doubleword used for space allocation by CDS in int		
(18)	ADDRESS	4	TRA_NAB	Next byte in internal tab		
	UNSIGNED	4		Available in current blk		
(1C)		4	TRA_AVLEN TRA INTTABSIZE			
(20)	UNSIGNED		_	Size of internal trace table		
(24)	ADDRESS	4	TRA_INTTAB_PTR	Address of start of table		
(28)	ADDRESS	4	TRA_ENDTAB_PTR	1st byte after table		
(2C)	ADDRESS	4	TRA_DFHTRAO_PTR	Addr of aux output routines		
(30)	ADDRESS	4	TRA_AUX_BUF_PTR	Address of aux trace buffer		
(34)	ADDRESS	4	TRA_AUX_DCB_PTR	Address of aux trace DCB		
(38)	UNSIGNED	4	TRA_AUX_DCB_LEN	Length of aux trace DCB		
(3C)	ADDRESS	4	TRA_AUX_DECB_PTR	Address of aux trace DECB		
(40)	UNSIGNED	4	TRA_AUX_DECB_LEN	Length of aux trace DECB		
(44)	CHARACTER	8	TRA_TIME_BASE	STCK at last local midnight		
(4C)	CHARACTER	8	TRA_AUX_EXTENT	Current aux trace extent		
(54)	UNSIGNED	1	TRA_AUTOSW_ STATUS	Autoswitch status		
(55)	UNSIGNED	1	TRA_AUX_STATUS	Auxiliary trace status		
(56)	UNSIGNED	1	TRA_AUX_ INIT_STAT	Auxiliary trace initial status		
(57)	UNSIGNED	1	*	Reserved		
(58)	BITSTRING	4	TRA_STATUS_FLAGS			
, ,	1		TRA_MASTER	Internal copy of master flag		
	.1		TRA_INT_STATUS	Internal trace status		
	1		TRA_GTF_STATUS	GTF trace status		
	1		TRA_LOCK_TABLE	Force use of table lock		
	1		TRA_TRAP_ACTIVE	DFHTRAP active		
	1		TRA_AUX_FIF	Next block first-in-file		
	1.		TRA_AUX_EOF	Next block last-in-file		
	1		TRA_AVAILABLE	Trace put available		
(59)	1		TRA_TERMINATING	Trace domain terminating		
(33)	.1			Trace domain terminating		
			TRA_AUX_ IO_PENDING	Output to any pending		
	1		TRA ALLY DOR DECK OK	Output to aux pending		
			TRA_AUX_ DCB_DECB_OK	Acquired DCP/DECP initialized		
	1		TRA TRAC BLCE BEOD	Acquired DCB/DECB initialised		
	1		TRA_TRAO_ RLSE_REQD	DELEAGE DELITOAQii		
	1		TDA DA IN CONTROL	RELEASE DFHTRAO required		
	1		TRA_PA_ IN_CONTROL	Parameter Mgr in control		
	1		TRA_TRAP_ UNUSABLE	DFHTRAP has prog checked		
	1.		TRA_TRAP_ DISABLED	Requested disabled		
	1		TRA_TRAP_ INIT_STAT			
				DFHTRAP initial status		
(5A)	1		TRA_INITIALISING	Trace domain initialising		
	.1		TRA_AUX_ STARTING	Aux trace starting		
	1		TRA_RETAIN_ AUX_DCB			
				Retain DCB for future use		
	1		TRA_FT_ ERR_BEFORE	Prevent recurring FT errs		
(5A)	BITSTRING	1	*	Reserved		
(5C)	ADDRESS	4	TRA_DFHTRAP_PTR	DFHTRAP entry point		
(60)	ADDRESS	4	TRA_TRAP_WA_PTR	DFHTRAP work area pointer		
(64)	ADDRESS	4	TRA_GTF_BUF_PTR	Address of GTF buffer		
(68)	UNSIGNED	4	TRA_ATS_ECB	For aux subtask to wait on		
(6C)	UNSIGNED	4	TRA_MAIN_ECB	For CICS TCBs to wait on		
(70)	CHARACTER	72	TRA_ATS_REGSAVE	Aux subtask register save		
(B8)	UNSIGNED	1	TRA TRAO REQ	DFHTRAO request byte		
(B9)	UNSIGNED	1	TRA_TRAO_RC	DFHTRAO return code		
(BA)	CHARACTER	2	*	Reserved		
(BC)	ADDRESS	4	TRA_TRAO_BPTR	TR block to be written		
(CO)	ADDRESS	4	TRA_TRAO_BETIX TRA_TRAO_PARMS	TRAO parameter list		
(C0) (C4)	UNSIGNED	4	TRA_TRAO_FARMS	110.00 parameter not		
(04)	SINGIGINED	4	TERMINATE_ECB			
			I ENWINANT E_EOD	Aux tracing terminate ECB		
	1		TRA ALIV	Aux tracing terminate ECB		
	1		TRA_AUX_			
			TERM_ECB_WAIT	MAIT DIT		
				WAIT BIT		

Offset Hex	Туре	Len	Name (Dim)	Description
	.1		TRA_AUX_ TERM_ECB_POST	
				POST BIT
	11 1111		*	Reserved
(C5)	CHARACTER	3	*	Reserved
(C8)	ADDRESS	4	TRA_ATS_TCB	Aux subtask TCB address
(CC)	ADDRESS	4	TRA_SM_ ISOLATION_TOKEN	
				Isolation token

Constants

Len	Туре	Value	Name	Description
1	DECIMAL	1	TRA_TRAO_TERM	
1	DECIMAL	2	TRA_TRAO_OPEN	
1	DECIMAL	3	TRA_TRAO_CLOSE	
1	DECIMAL	4	TRA_TRAO_WRITE	
1	DECIMAL	5	TRA_TRAO_CHECK	
Values	s for TRA_ TRAO_RC			
1	DECIMAL	1	TRA_TRAO_OK	
1	DECIMAL	2	TRA_TRAO_INVALID	
1	DECIMAL	3	TRA_TRAO_ OPEN_FAILED	
1	DECIMAL	4	TRA_TRAO_	
			END_OF_EXTENT	
1	DECIMAL	5	TRA_TRAO_AUX_ABEND	
1	DECIMAL	6	TRA TRAO AUX IO ERROR	
1	DECIMAL	7	TRA TRAO	
			DCB_NOT_FOUND	
Values	s for TRA_ INT_STATUS	}		
0	BIT	1	TRA_INT_STARTED	
0	BIT	0	TRA_INT_STOPPED	
Values	s for TRA_ AUX_STATU	S		
1	DECIMAL	1	TRA_AUX_STARTED	
1	DECIMAL	2	TRA_AUX_STOPPED	
1	DECIMAL	3	TRA_AUX_PAUSED	
Values	s for TRA_ GTF_STATU	S		
0	BIT	1	TRA_GTF_STARTED	
0	BIT	0	TRA_GTF_STOPPED	
Values	s for TRA_ AUTOSW_S	TATUS		
1	DECIMAL	1	TRA AUTOSW OFF	
1	DECIMAL	2	TRA AUTOSW ONCE	
1	DECIMAL	3	TRA AUTOSW	
			CONTINUOUS	

TRAP Trace parameter list

CONTROL BLOCK NAME = DFHTRADS DESCRIPTIVE NAME = CICS Parameter List to DFHTRAP FUNCTION =

Defines the parameter list passed from DFHTRPT to the F.E. Global Trap/Trace Exit Program DFHTRAP.

LIFETIME =

The parameter list is created by DFHTRPT immediately prior to invoking DFHTRAP. Its contents are valid for the duration of the call to DFHTRAP.

STORAGE CLASS =

The parameter list to DFHTRAP is in storage MVS GETMAIN'd above the 16M line by DFHTRSR.

LOCATION =

The parameter list is in the Global Trap Work Area whose format is described by DFHTRGTW. This work area is addressed from TRA_TRAP_WA_PTR in the TR domain anchor

INNER CONTROL BLOCKS =

NOTES:

DEPENDENCIES = S/370 RESTRICTIONS = None

MODULE TYPE = Control block definition

EXTERNAL REFERENCES =

DATA AREAS =

This control block references no operating system data

CONTROL BLOCKS =

This control block references no other control blocks. GLOBAL VARIABLES (Macro pass) =

This control block definition references no global

PERSONNEL adding a PL/AS version

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	48	DFHTRADS	DUMMY SECTION - PLIST TO TRAP
Return field T The in TRAP TRAP TRAP Any co all required tomai Note a	ombination of these flag uested actions will be h	e in the by eter list to e as follow e further t trap exit e a syster nd CICS (ole trap so until reacti s may be onoured u	vte addressed from DFHTRAP. 's: race entry on in dump with a dump) that it cannot vated set and wherever possible pon return to the trace	
(0)	ADDRESS	4	TRAFLGSA	A(Return actions flag word)
This fi on the entry s	URTA - Address of currell points to the trace es same invocation for which should not be modified the by the DSECT DFHT	ntry const lich it is ca by DFHTR	ructed by DFHTRPT alling DFHTRAP. This	
(4)	ADDRESS	4	TRACURTA	A(Current entry)
This w		en DFHTI HTRAP is		
(8)	ADDRESS	4	TRAWORKA	A(80-byte work area)
These TRAP that D addres this er fields	1A/L, TRAD2A/L and Tr six fields are used in control of FTRE in the return action FHTRPT should make a ss and length pairs for that the trun. All fields up to the included in the extra tra	onjunction ons flag by a further trane data fie t, DFHTRI ne first with	te. This flag indicates ace entry. TRADnA/L are lds to be included in PT examines the length	
(C) (C) (10)	CHARACTER ADDRESS UNSIGNED	24 4 4	TRATRDAT TRAD1A TRAD1L	Total length of data fields Address of DATA1 information Length of DATA1 information

Offset Hex	Туре	Len	Name (Dim)	Description		
(14)	ADDRESS	4	TRAD2A	Address of DATA2 information		
(18)	UNSIGNED	4	TRAD2L	Length of DATA2 information		
(1C)	ADDRESS	4	TRAD3A	Address of DATA3 information		
(20)	UNSIGNED	4	TRAD3L	Length of DATA3 information		
The a	SAAD - CSA addre ddress of the CSA a ations of DFHTRAP een set up).	or zero. This w	ill only be zero for sation (before the C	SA		
(24)	ADDRESS	4	TRACSAAD	CSA address		
The a		nt TCA or zero. the quasi-reen	This will be zero w trant TCB, or when er type task.	hen		
(28)	ADDRESS	4	TRATCAAD	TCA address		
The a	TRARSAD - Register save area address The address of the register save area that R13 will point to during the invocation of DFHTRAP.					
(2C) (30)	ADDRESS CHARACTER	4	TRARSAAD TRAEND	RSA address Ending address		

TRBL Trace domain - common structures

CONTROL BLOCK NAME = DFHTRBL DESCRIPTIVE NAME = CICS Trace Domain - Common structures and constants from original within DFHTRDS
FUNCTION = Contains the structure for :-DFHTRBL - TR internal table block

The internal trace table consists of blocks of this format chained in a loop. The auxiliary trace dataset blocks are also of this format, except that the first twelve bytes contain the date and the date format.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4096	DFHTRBL	Trace block
(0)	CHARACTER	24	TRBL_HEADER	Block header
(0)	ADDRESS	4	TRBL_FWD	Forward chain
(4)	ADDRESS	4	TRBL_BWD	Backward chain
(8)	ADDRESS	4	*	Reserved
(C)	CHARACTER	4	TRBL_FLAGS	Flags - always zero in table
	1		TRBL_EOF	End-of-file block for aux
	.1		TRBL_FIF	First-in-file block for aux
(C)	BITSTRING	3	*	Reserved
(10)	CHARACTER	8	TRBL_TIME_BASE	STCK at last local midnight
(18)	CHARACTER	4072	TRBL_DATA	Rest of block is data

Constants

Len	Type	Value	Name	Description
2	DECIMAL	4096	TRBLOCK_SIZE	Size of trace
2	DECIMAL	4072	TRBLOCK_DATALIM	Maximum d
2	DECIMAL	16384	MIN_TABLE_SIZE	Minimum si
2	DECIMAL	256	GTF_MAX	Maximum le
0	BIT	1	ON	
0	BIT	0	OFF	
0	BIT	1	YES	
0	BIT	0	NO	

ace blocks data in one block size for internal.. ..trace table length of GTF entries

TREN Trace entry

CONTROL BLOCK NAME = DFHTREN
DESCRIPTIVE NAME = CICS trace entry FUNCTION = Description of header of CICS trace entry. LIFETIME = Created by DFHTRPT in the internal trace table for each TRACE_PUT. Destroyed when overwritten after the next trace table wrap. Trace entries are also held on auxiliary trace datasets and GTF datasets.

STORAGE CLASS = Held in the internal trace table in MVS storage. LOCATION = Each trace table block contains a block header followed by as many entries contiguously as will fit in the rest of the block. INNER CONTROL BLOCKS = None NOTES: DEPENDENCIES = S/370
RESTRICTIONS = None
MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = None GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DFHTREN	Trace entry
(0)	CHARACTER	40	TREN_HEADER	Standard header
(0)	CHARACTER	2	TREN_MARKER	Eyecatcher '<>'
(2)	UNSIGNED	2	TREN_LEN	Length of entry inc. header
(4)	UNSIGNED	2	TREN_CALLER	Domain id of trace caller
(6)	UNSIGNED	2	TREN_POINTID	ID of trace point in domain
(8)	UNSIGNED	1	TREN_TYPE	Entry type
	1		*	The Top bits are used
	.1		*	for the release of the
	1		*	trace.
	1		*	
	1		*	The Bot Bits are used for
	1		*	the type. The types are
	1.		*	listed below.
	1		*	
(9)	BITSTRING	3	TREN_TASK	Transaction manager task num
(C)	UNSIGNED	2	TREN_KE_NUM	Kernel task number
(E)	UNSIGNED	2	TREN_OWNING_DOM	Owning domain for system task
(10)	UNSIGNED	2	TREN_HEADER_ LENGTH	
				Length of this header Offset of TREN_HEADER_LENGTH must not change. Add new header
				fields after this field
(12)	CHARACTER	5	TREN_TCB_ID	TCB ID
(17)	UNSIGNED	1	*	filler to word align
(18)	ADDRESS	4	TREN_TCBADDR	TCB address
(1C)	ADDRESS	4	TREN_RETADDR	Addr of call to trace caller
(20)	CHARACTER	8	TREN_TIME	Time of entry - 8 byte STCK
(28)	CHARACTER	*	TREN_DATA	Trace data
(28)	UNSIGNED	2	TREN_FIELD_LEN	Length of data field
(2A)	CHARACTER	*	TREN_FIELD_DATA	Data field

Constants

1 HEX 40 TREN_TYPE_NORMAL 1 HEX 4D TREN_TYPE_RRS_CALL 1 HEX 4C TREN_TYPE_RRMS_EXIT 1 HEX 4B TREN_TYPE_DB2_SUBTASK 1 HEX 4A TREN_TYPE_DB2_SUBTASK 1 HEX 49 TREN_TYPE_RESUME_EXIT 1 HEX 48 TREN_TYPE_EXCI 1 HEX 47 TREN_TYPE_EXCI 1 HEX 47 TREN_TYPE_LERAD_SYNAD 1 HEX 46 TREN_TYPE_TP_END 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_LERAD_SYNAD	Len	Туре	Value	Name	Description
1 HEX 4C TREN_TYPE_ RRMS_EXIT 1 HEX 4B TREN_TYPE_ DB2_SUBTASK 1 HEX 4A TREN_TYPE_ DBC_SUBTASK 1 HEX 49 TREN_TYPE_ RIS_QUIESCE_EXIT 1 HEX 48 TREN_TYPE_SCI 1 HEX 47 TREN_TYPE_ LERADSYNAD_HPO 1 HEX 46 TREN_TYPE_ VTAM_EXIT_HPO 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_ LERAD_SYNAD	1	HEX	40	TREN_TYPE_NORMAL	
1 HEX 4B TREN_TYPE_ DB2_SUBTASK 1 HEX 4A TREN_TYPE_ DBC_SUBTASK 1 HEX 49 TREN_TYPE_ RLS_QUIESCE_EXIT 1 HEX 48 TREN_TYPE_EXCI 1 HEX 47 TREN_TYPE_ LERADSYNAD_HPO 1 HEX 46 TREN_TYPE_ VTAM_EXIT_HPO 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_ LERAD_SYNAD	1	HEX	4D	TREN_TYPE_RRS_CALL	
1 HEX 4A TREN_TYPE_ DBCTL_RESUME_EXIT 1 HEX 49 TREN_TYPE_ RLS_QUIESCE_EXIT 1 HEX 48 TREN_TYPE_EXCI 1 HEX 47 TREN_TYPE_ LERADSYNAD_HPO 1 HEX 46 TREN_TYPE_ VTAM_EXIT_HPO 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_LERAD_SYNAD	1	HEX	4C	TREN_TYPE_ RRMS_EXIT	
DBCTL_RESUME_EXIT	1	HEX	4B	TREN_TYPE_ DB2_SUBTASK	
1 HEX 49 TREN_TYPE_ RLS_QUIESCE_EXIT 1 HEX 48 TREN_TYPE_EXCI 1 HEX 47 TREN_TYPE_ LERADSYNAD_HPO 1 HEX 46 TREN_TYPE_ VTAM_EXIT_HPO 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_LERAD_SYNAD	1	HEX	4A	TREN_TYPE_	
RLS_QUIESCE_EXIT 1				DBCTL_RESUME_EXIT	
1 HEX 48 TREN_TYPE_EXCI 1 HEX 47 TREN_TYPE_ LERADSYNAD_HPO 1 HEX 46 TREN_TYPE_ VTAM_EXIT_HPO 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_LERAD_SYNAD	1	HEX	49	TREN_TYPE_	
1 HEX 47 TREN_TYPE_ LERADSYNAD_HPO 1 HEX 46 TREN_TYPE_ VTAM_EXIT_HPO 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_LERAD_SYNAD				RLS_QUIESCE_EXIT	
LERADSYNAD_HPO	1	HEX	48	TREN_TYPE_EXCI	
1 HEX 46 TREN_TYPE_ VTAM_EXIT_HPO 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_ LERAD_SYNAD	1	HEX	47	TREN_TYPE_	
VTAM_EXIT_HPO 1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_ LERAD_SYNAD				LERADSYNAD_HPO	
1 HEX 45 TREN_TYPE_TP_END 1 HEX 44 TREN_TYPE_ LERAD_SYNAD	1	HEX	46	TREN_TYPE_	
1 HEX 44 TREN_TYPE_ LERAD_SYNAD				VTAM_EXIT_HPO	
	1	HEX	45	TREN_TYPE_TP_END	
4 TOEN TYPE VEAL EVET	1	HEX	44	TREN_TYPE_ LERAD_SYNAD	
1 HEX 43 IREN_IYPE_ VIAM_EXII	1	HEX	43	TREN_TYPE_ VTAM_EXIT	
1 HEX 42 TREN_TYPE_ MONITORING	1	HEX	42	TREN_TYPE_ MONITORING	
1 HEX 41 TREN_TYPE_ SDUMP_EXIT	1	HEX	41	TREN_TYPE_ SDUMP_EXIT	
1 HEX 40 TREN_TYPE_R530	1	HEX	40	TREN_TYPE_R530	
1 HEX 30 TREN_TYPE_R520	1	HEX	30	TREN_TYPE_R520	
1 HEX 20 TREN_TYPE_R510	1	HEX	20	TREN_TYPE_R510	
1 HEX 10 TREN_TYPE_R410	1	HEX	10	TREN_TYPE_R410	
1 HEX 00 TREN_TYPE_R330	1	HEX	00	TREN_TYPE_R330	

TRFCA Trace formatting control area

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	2426	DFHTRFCA	Trace formatting control area
Comr	non data			
(0)	ADDRESS	4	TRFCA_PL_PTR	TRF_PRINT_LINE routine addr
(4)	ADDRESS	4	TRFCA_PBUF_PTR	132 character print buffer
(8)	UNSIGNED	4	TRFCA_ENTRY_ COUNT	Count of entries processed
(C)	UNSIGNED	4	TRFCA_PRINT_ COUNT	Count of entries printed
Parar	neters for DFHTRFPP			
(10)	ADDRESS	4	TRFCA_PARM_PTR	-> selective print parms
(14)	UNSIGNED	4	TRFCA_PARM_LEN	Length of print parms
(18)	ADDRESS	4	TRFCA_BUFF_PTR	-> TRFPP (4096n)byte buffer
	ncoded form of the sele Uxxx or AMDUSREF.	ctive print	parameters passed to	
(1C)	CHARACTER	4	TRFCA_SEL_ PRINT_FLAGS	
				Selective print flags
	1		TRFCA_SEL_ ACTIVE	Selection active ?
	.1		TRFCA_TRFPP_ INIT	DFHTRFPP initialisation flag
	1		TRFCA_PARM_ERR	Error in parameters
(1C)	BITSTRING	3	*	Available
(20)	ADDRESS	4	TRFCA_TERMLIST_ PTR	Encoded TERMID list
(24)	ADDRESS	4	TRFCA_TERMTASK_ PTR	Tasks at selected TERMIDs
(28)	ADDRESS	4	TRFCA_TRANLIST_ PTR	Encoded TRANID list
(2C)	ADDRESS	4	TRFCA_TRANTASK_ PTR	Tasks with selected TRANIDs
(30)	ADDRESS	4	TRFCA_TIMELIST_ PTR	Encoded time ranges
(34)	ADDRESS	4	TRFCA_TASKLIST_ PTR	Encoded TASKID list
(38)	ADDRESS	4	TRFCA_KENUM_PTR	Encoded KE_NUM list
(3C)	ADDRESS	4	TRFCA_ENTRYNUM_ PTR	Encoded ENTRY_NUM list
(40)	ADDRESS	4	TRFCA_TYPETR_PTR	Dom ptrs and lens for TYPETR
Parar	meters for DFHTRFPB			
(44)	ADDRESS	4	TRFCA_CURRBL_PTR	Current block for DFHTRFPB
(48)	UNSIGNED	4	TRFCA_BLOCK_ AVLEN	Space left in last block
Parar	meters for DFHTRFFE			
(4C)	ADDRESS	4	TRFCA_CURREN_PTR	Current entry for DFHTRFFE
(50)	CHARACTER	8	TRFCA_TIME_BASE	STCK at last local midnight
(58)	CHARACTER	8	TRFCA_LAST_TIME	STCK of last entry
Parar	meters for DFHTRFFD			
(60)	UNSIGNED	2	TRFCA_TRACE_ CALLER	Domain id of trc caller
(62)	CHARACTER	1	*	
. ,	1		TRFCA_TT510_	
			LOAD_FAILED	
				DFHTT510 not found
	.1		TRFCA_TT520_	
			LOAD_FAILED	
				DFHTT520 not found

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TRFCA_TT530_ LOAD_FAILED	
	1 1111		*	DFHTT530 not found Reserved
(63)	CHARACTER	1	*	unused
(64) (68)	ADDRESS ADDRESS	4 4	* TRFCA_TT530_PTR	PTR to CDURUN PTR to CDURUN 5.2
	sed# area	-		TIN to observed.
(6C)	CHARACTER	56	*	Available
(A4) (A8)	ADDRESS ADDRESS	4 4	TRFCA_TCBIDLST_ PTR TRFCA TCBADLST PTR	Encoded TCBID list Encoded TCBADDR list
	age used by TRFPRL			Enouge For Inc.
(AC)	CHARACTER	4	*	Flag word
(AC)	1 BITSTRING	3	TRFCA_SPACE	Space after print Reserved
(B0)	ADDRESS	4	TRFCA_DUFSTG_PTR	DUF_STG ptr for DFHTRDUF
(B0)	ADDRESS	4	TRFCA_ABDPL_PTR	ABDPL ptr for AMDUSREF
(B4) (B8)	ADDRESS FULLWORD	4 4	TRFCA_PRDCB_PTR TRFCA_PAGE_COUNT	Print DCB Page count
(BC)	FULLWORD	4	TRFCA_LINE_COUNT	Line count
(C0)	FULLWORD	4	TRFCA_PAGE_SIZE	Number of lines/page
	oretation area and co		TRFCA_CDED_TOKEN	Translation routing taken
(C4) (C8)	ADDRESS ADDRESS	4 4	TRFCA_CDED_TOKEN TRFCA_IA_NAB	Translation routine token Next byte in interp area
(CC)	UNSIGNED	4	TRFCA_IA_ LEN_LEFT	Length left in interp area
(D0)	CHARACTER	1024	TRFCA_IA	Interpretation area
	ing the offset of the I atability with releases		9	
	for GTF multiple rele		ED BY DELITRID	
	IMETERS FOR DFH. DATA FIELD ADDRE		ENGTHS USED BY DFHTRFFD.	
(4D0)	CHARACTER	300	TRFCA_TRIP	MUST MATCH DFHTRIP
(4D0) (4D0)	CHARACTER ADDRESS	140 4	TRIP_CICS_ WORKAREA TRIP_FCA_PTR	
(4D4)	UNSIGNED	2	TRIP_POINTID	
(4D4)	UNSIGNED	1	TRIP_POINTID_ BYTE1	
(4D5) (4D6)	UNSIGNED UNSIGNED	1 1	TRIP_POINTID_ BYTE2 *	
(4D7)	BITSTRING	1	TRIP_FIELD_T	
(4D8) (4F8)	ADDRESS CHARACTER	4 28	TRIP_FIELD_P (8) *	
(514)	FULLWORD	4	TRIP_FIELD_N (8)	
(534) (550)	CHARACTER CHARACTER	28 12	TRIP_TRIB_ PLIST	
(550)	ADDRESS	4	TRIP_DATA_P	
(554) (556)	UNSIGNED UNSIGNED	2 1	TRIP_DATA_N TRIP_DATA_TYPE	
(557)	UNSIGNED	1	TRIP_PLIST_ TYPE	
(558) (559)	UNSIGNED UNSIGNED	1 1	TRIP_SPACE TRIP_FT_TYPE	
(55A)	CHARACTER	2	*	
(55C) (570)	CHARACTER CHARACTER	20 108	TRIP FT WORKAREA	
(570)	CHARACTER	108	TRIP_FT_WORK	
(570)	ADDRESS	4	TRFTW_FORMATTING_ ADDRESS (6)	
(588)	CHARACTER	8	TRFTW_FORMATTING_ NAME (6)	
(5B8)	CHARACTER	4 32	*	
(5BC) (5BC)	CHARACTER UNSIGNED	32 1	TRFTW_WIPE_ AREA TRFTW_TRACE_ TYPE	
(5BD)	BITSTRING	1	TRFTW_FLAGS	
	.1		TRFTW_INTERPRETATION TRFTW_LOAD_	
	1		FAILED TRFTW_NO_ NAME	
	1		TRFTW_NO_ NAME TRFTW_FEATURE_	
	1		ABEND TRFTW_INT_	
			OVERFLOW	
(5BE)	111 UNSIGNED	2	* TRFTW_LEN_ LEFT	
(5C0)	ADDRESS	4	TRFTW_NAB	
(5C4)	ADDRESS	4	TRFTW_DFHTRIB_ ADDRESS	
(5C8)	ADDRESS	4	TRFTW_CDPFTAB_ ADDRESS	
(5CC)	CHARACTER	8	TRFTW_MODULE_ NAME	
(5D4) (5DC)	CHARACTER CHARACTER	8 32	*	

Hex	Туре	Len	Name (Dim)	Description
(5FC)	CHARACTER	188	*	UNUSED
(6B8)	CHARACTER	24	*	Unused
	us flags		*	
(6D0)	CHARACTER 1	4	* TRFCA_INT_ OVERFLOW	
	.1		TRFCA_EXTRA_ LINE	Interpretation overflow Extra jobname line
	1		TRFCA_EXTRA_ LINE TRFCA_FULL_ ABBREV	Extra jobname line For compablity
	1		TRFCA_LAST_ BLOCK	Last trace blk indicator
	1		TRFCA_GTF_TRACE TRFCA_SELECT_ ALL	Doing a GTF trace Have requested ALL parms
	1.		TRFCA_UPPERCASE_	Have requested ALL paints
			REQ	Ordania in connection
	1		TRFCA_EXCEPTION	Output in uppercase Only print exception tr
(6D1)	1		TRFCA_PDX_TRACE	Doing a system dump tr
	.1		TRFCA_AUX_TRACE TRFCA_FULL_ TRACE	Doing a AUX trace Full request
	1		TRFCA_ABBREV_ TRACE	
	1			Abbreviated request
	1		TRFCA_SHORT_ TRACE TRFCA_FULL_DO	Short request Full completed
	1.		TRFCA_ABBREV_DO	Abbreviated complete
(6D2)	1 1		TRFCA_SHORT_DO TRFCA_TRACE_	Short complete
(002)	1		DONE_ALREADY	
(202)	BITSTRING	1	•	Trace already printed Available
(6D2) (6D4)	ADDRESS	1 4	TRFCA_JOB_ LINE_PTR	Available Ptr to jobname line buff
(6D8)	ADDRESS	4	TRFCA_INTERVAL_ PTR	Time interval parameter.
	below do NOT need t ers to the different rele CHARACTER			
/61 11	CHARACTER	20	•	
(6DC)	ADDRESS	4	TRFCA_FORMATTER_ R530	
	ADDRESS	4		Release 5 version 3
(6DC)			R530 TRFCA_FORMATTER_	Release 5 version 2
(6DC) (6E0)	ADDRESS	4	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_	Release 5 version 2 Release 5 version 1
(6DC) (6E0) (6E4)	ADDRESS ADDRESS	4	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_	Release 5 version 2 Release 5 version 1 Release 4 version 1
(6DC) (6E0) (6E4) (6E8) (6EC)	ADDRESS ADDRESS ADDRESS ADDRESS	4 4 4	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED	4 4	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER	4 4 4 4 8 1 4	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12)	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS	4 4 4 4 8 1 4 4	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12) * TRFCA_RECORD_ BUFFER (12,5)	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS ADDRESS	4 4 4 4 8 1 4 4	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12) * TRFCA_RECORD_ BUFFER (12.5) TRFCA_NEXT_BYTE (12.5)	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (7F8) (8E8)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS	4 4 4 4 8 1 4 4	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12) * TRFCA_RECORD_ BUFFER (12,5)	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (7F8) (8E8) (960) (968)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CHARACTER CHARACTER CHARACTER	4 4 4 4 8 1 4 4 4 2 8 8 8	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 • TRFCA_FREE_ BUFFER (12) • TRFCA_RECORD_ BUFFER (12,5) TRFCA_NEXT_BYTE (12,5) TRFCA_LEN_REM (12,5)	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (7F8) (8E8) (960)	ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER ADDRESS ADDRESS UNSIGNED CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER	4 4 4 4 8 1 4 4 4 4 2 8	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 • TRFCA_FORMATTER_ R330 • TRFCA_FREE_ BUFFER (12) • TRFCA_RECORD_ BUFFER (12,5) TRFCA_LEN_REM (12,5) TRFCA_DATE TRFCA_APPLID •	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (7F8) (8E8) (960) (968)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER 1	4 4 4 4 8 1 4 4 4 2 8 8 8	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12) * TRFCA_RECORD_ BUFFER (12,5) TRFCA_NEXT_BYTE (12,5) TRFCA_LEN_REM (12,5) TRFCA_DATE TRFCA_APPLID * TRFCA_R520_ LOAD_FAIL	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (7F8) (8E8) (960) (968)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER 1	4 4 4 4 8 1 4 4 4 2 8 8 8	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12) * TRFCA_RECORD_ BUFFER (12,5) TRFCA_NEXT_BYTE (12,5) TRFCA_LEN_REM (12,5) TRFCA_DATE TRFCA_APPLID * TRFCA_R520_ LOAD_FAIL TRFCA_R510_ LOAD_FAIL	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date Applid
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (7F8) (8E8) (960) (968)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER 1	4 4 4 4 8 1 4 4 4 2 8 8 8	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12) * TRFCA_RECORD_ BUFFER (12,5) TRFCA_NEXT_BYTE (12,5) TRFCA_LEN_REM (12,5) TRFCA_LEN_REM (12,5) TRFCA_APPLID * TRFCA_R520_ LOAD_FAIL TRFCA_R510_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date Applid
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (7F8) (8E8) (960) (968)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER 1	4 4 4 4 8 1 4 4 4 2 8 8 8	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12) * TRFCA_RECORD_ BUFFER (12,5) TRFCA_NEXT_BYTE (12,5) TRFCA_LEN_REM (12,5) TRFCA_DATE TRFCA_APPLID * TRFCA_R520_ LOAD_FAIL TRFCA_R510_ LOAD_FAIL	Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date Applid DFHTR520 not found DFHTR510 not found DFHTR410 not found
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (7F8) (8E8) (960) (968)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER 1	4 4 4 4 8 1 4 4 4 2 8 8 8	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 * TRFCA_FREE_ BUFFER (12) * TRFCA_RECORD_ BUFFER (12,5) TRFCA_NEXT_BYTE (12,5) TRFCA_LEN_REM (12,5) TRFCA_LEN_REM (12,5) TRFCA_APPLID * TRFCA_R520_ LOAD_FAIL TRFCA_R510_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date Applid DFHTR520 not found DFHTR510 not found
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (778) (8E8) (960) (968) (970)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CH	4 4 4 4 8 1 4 4 4 2 8 8 1	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 . TRFCA_FREE_ BUFFER (12) *TRFCA_RECORD_ BUFFER (12,5) TRFCA_NEXT_BYTE (12,5) TRFCA_LEN_REM (12,5) TRFCA_DATE TRFCA_APPLID *TRFCA_R520_ LOAD_FAIL TRFCA_R510_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL TRFCA_R330_ LOAD_FAIL *We will keep the length	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date Applid DFHTR520 not found DFHTR510 not found DFHTR410 not found DFHTR330 not found
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (778) (8E8) (960) (968) (970)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CH	4 4 4 4 8 1 4 4 4 2 8 8 1	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 . TRFCA_FREE_ BUFFER (12) *TRFCA_RECORD_ BUFFER (12,5) TRFCA_NEXT_BYTE (12,5) TRFCA_LEN_REM (12,5) TRFCA_DATE TRFCA_APPLID *TRFCA_R520_ LOAD_FAIL TRFCA_R510_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL TRFCA_R330_ LOAD_FAIL *We will keep the length	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date Applid DFHTR520 not found DFHTR510 not found DFHTR410 not found DFHTR330 not found
(6DC) (6E0) (6E4) (6E8) (6EC) (6F0) (6F8) (704) (708) (778) (8E8) (960) (968) (970)	ADDRESS ADDRESS ADDRESS CHARACTER UNSIGNED CHARACTER ADDRESS UNSIGNED CHARACTER CH	4 4 4 4 4 4 4 4 4 7 8 1 4 4 7 8 8 1 1 4 4 4 2 8 8 1 1 or products v	R530 TRFCA_FORMATTER_ R520 TRFCA_FORMATTER_ R510 TRFCA_FORMATTER_ R410 TRFCA_FORMATTER_ R330 . TRFCA_FREE_ BUFFER (12) . TRFCA_RECORD_ BUFFER (12,5) TRFCA_LEN_REM (12,5) TRFCA_LEN_REM (12,5) TRFCA_APPLID . TRFCA_R520_ LOAD_FAIL TRFCA_R510_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL TRFCA_R430_ LOAD_FAIL TRFCA_R330_ LOAD_FAIL TRFCA_R330_ LOAD_FAIL TRFCA_R330_ LOAD_FAIL TRFCA_R330_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL TRFCA_R410_ LOAD_FAIL	Release 5 version 2 Release 5 version 1 Release 4 version 1 Release 3 version 3 Space for new release Subscript value of first free buffer for each type Reserved Pointers to segmented entry reconstruction areas - one per type AND region/ system Ptrs to next free byte in reconstruction area Length still to come continuation records Date Applid DFHTR520 not found DFHTR510 not found DFHTR410 not found DFHTR330 not found Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	TRFPPWA	
(0)	FULLWORD	4	WA_LEN	size of block
(4)	FULLWORD	4	WA_CNT	count of entries used
(8)	FULLWORD	4	WA IT LEN	length of each entry
(C)	CHARACTER	*	WA_DATA	This area is considered to be an array, with WA_IT_LEN being the length of each element,
(=)				and WA_CNT the dimension of the array.
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	300	DFHTRIP	This must match TRFCA_TRIP
(0)	CHARACTER	140	TRIP_CICS_ WORKAREA	· · · · · · · · · · · · · · · · · · ·
(0)	ADDRESS	4	TRIP_FCA_PTR	Format control area addr
(4)	UNSIGNED	2	TRIP POINTID	Point id of entry
(4)	UNSIGNED	1	TRIP_POINTID_ BYTE1	1 dik la di dikiy
(4)	ONOIGINED		TKII _I OIIVIID_ DI IEI	1st half of pointid
(5)	UNSIGNED	1	TRIP_POINTID_ BYTE2	1st fiall of politica
(3)	UNSIGNED	'	TRIF_FOINTID_ BTTL2	2nd half of pointid
(6)	UNSIGNED	1	*	Reserved
	BITSTRING	1	TRIP_FIELD_T	Bitmap of TRIP_FIELD types '0'B=EBCDIC '1'B=ASCII
(7)				
(8)	ADDRESS	4	TRIP_FIELD_P (8)	Data field addresses Data 1 to 7 & the Feature trace hdr
(28)	CHARACTER	28	TOIR FIELD N (0)	Reserved for DATA field expansion.
(44)	FULLWORD	4	TRIP_FIELD_N (8)	Data field lengths Data 1 to 7 & the Feature trace hdr
(64)	CHARACTER	28		Reserved for DATA field expansion.
(80)	CHARACTER	12	TRIP_TRIB_PLIST	Parameters for DFHTRIB
(80)	ADDRESS	4	TRIP_DATA_P	Data ptr for DFHTRIB
(84)	UNSIGNED	2	TRIP_DATA_N	Data length for DFHTRIB
(86)	UNSIGNED	1	TRIP_DATA_TYPE	Data type for DFHTRIB See constant defns below
(87)	UNSIGNED	1	TRIP_PLIST_ TYPE	For data type CDPLIST only See constant defns below
(88)	UNSIGNED	1	TRIP_SPACE	Space before adding data
(89)	UNSIGNED	1	TRIP_FT_TYPE	Feature type trace
(8A)	CHARACTER	2	*	Reserved
(8C)	CHARACTER	20	*	Reserved
(A0)	CHARACTER	108	TRIP_FT_WORKAREA	
(A0)	CHARACTER	108	TRIP_FT_WORK	
(A0)	ADDRESS	4	TRFTW_FORMATTING_	
(B8)	CHARACTER	8	ADDRESS (6) TRFTW_FORMATTING_	
(E0)	CHADACTED		NAME (6)	
(E8)	CHARACTER	4	TDETW WIDE ABEA	
(EC)	CHARACTER	32	TRFTW_WIPE_ AREA	
(EC)	UNSIGNED	1	TRFTW_TRACE_ TYPE	
(ED)	BITSTRING	1	TRFTW_FLAGS	
	.1		TRFTW_INTERPRETATION TRFTW_LOAD_ FAILED TRFTW_NO_ NAME TRFTW_FEATURE_ ABEND	
	1		TRFTW_INT_ OVERFLOW	
(EE)	UNSIGNED	2	TPETW LEN LEET	
(FO)	ADDRESS	4	TRFTW_LEN_ LEFT TRFTW NAB	
(F0) (F4)		4		
, ,	ADDRESS	4	TRFTW_DFHTRIB_ ADDRESS TRETW_CDRETAR	
(F8)	ADDRESS		TRFTW_CDPFTAB_ ADDRESS TRETM MODULE	
(FC)	CHARACTER	8	TRFTW_MODULE_ NAME *	
(104) (10C)	CHARACTER CHARACTER	8 32	*	Reserved
(100)	OLIANACIEN	32		TO SOLVE U

CONTROL BLOCK NAME = DFHTRFTC DESCRIPTIVE NAME = CICS/ESA (TR) Feature Trace Entry Header FUNCTION = This is the header for a trace entry made by a Feature when the DFHTRFTM TRACE_PUT interface is It appears immediately after the TREN_HEADER for a Feature trace entry, as the first part of the TREN_DATA. The remaining trace entry data, supplied by the Feature as TRFT_DATAn (where n is between 1 and 7) on the TRFT TRACE_PUT call, follows immediately after the TRFTE_HEADER. LIFETIME = Created by DFHTRFT in the internal trace table for each TRACE_PUT. Destroyed when overwritten after the next trace table wrap. Trace entries are also held on auxiliary trace datasets and GTF datasets. STORAGE CLASS = Held in the internal trace table in MVS storage. LOCATION = Each trace table block contains a block header followed by as many entries contiguously as will fit in the rest of the block. INNER CONTROL BLOCKS = This is an inner control block to the DFHTREN. DFHTRFTE has no inner control blocks itself. NOTES: DEPENDENCIES = S/390 RESTRICTIONS = None MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = None GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	94	TRFTE	Feature trace entry
(0)	UNSIGNED	2	TRFTE_HEADER_LEN	Feature trace header length - excludes the length of this field itself
(2)	CHARACTER	92	TRFTE_HEADER	Feature trace header
(2)	UNSIGNED	1	TRFTE_VERSION	Feature trace header version
(3)	UNSIGNED	1	*	SPARE
(4)	CHARACTER	30	TRFTE_COMPANY_ NAME	OI AINE
(4)	CHARACTER	30	TRI TE_COMPANT_ NAME	Feature company name
(22)	CHARACTER	30	TRFTE_FEATURE_ NAME	Feature name
(40)	CHARACTER	10	TRETE FEATURE LEVEL	realure name
(40)	CHARACTER	10	TRFTE_FEATURE_ LEVEL	Factors release level
(4A)	CHARACTER	8	TRFTE_FORMATTING_ ROUTINE	Feature release level
				Feature trace formatting routine
(52)	CHARACTER	9	TRFTE_ABBREV_ NAME	Name for formatted trace
(5B)	BITSTRING 1	1	TRFTE_FLAGS TRFTE_EXCEPTION_ TRACE	Feature trace entry flags
				Exception trace flag
	.111 1111		*	Spare
(5C)	CHARACTER	2	*	Spare
Offset Hex	Туре	Len	Name (Dim)	Description
	Type STRUCTURE	Len 108	Name (Dim) TRFTW	Description FEATURE TRACE ENTRY
Hex			, ,	FEATURE TRACE ENTRY
(0) (0)	STRUCTURE	108 4	TRFTW TRFTW_FORMATTING_ ADDRESS (6)	·
Hex (0)	STRUCTURE	108	TRFTW TRFTW_FORMATTING_	FEATURE TRACE ENTRY
(0) (0) (18)	STRUCTURE ADDRESS	108 4 8	TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6)	FEATURE TRACE ENTRY
(0) (0)	STRUCTURE ADDRESS	108 4	TRFTW TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_	FEATURE TRACE ENTRY STORED ADDR
(0) (0) (18)	STRUCTURE ADDRESS CHARACTER	108 4 8	TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6)	FEATURE TRACE ENTRY STORED ADDR STORED NAMES
Hex (0) (0) (18) (48)	STRUCTURE ADDRESS CHARACTER CHARACTER	108 4 8	TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6)	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE
(0) (0) (18) (48) (4C)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER CHARACTER	108 4 8 4 32	TRFTW TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6) * TRFTW_WIPE_AREA	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223
(18) (48) (4C) (4C)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER CHARACTER UNSIGNED	108 4 8 4 32 1	TRFTW TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6) * TRFTW_WIPE_AREA TRFTW_TRACE_TYPE	STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW
(18) (48) (4C) (4C)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING	108 4 8 4 32 1	TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6) * TRFTW_WIPE_AREA TRFTW_TRACE_ TYPE TRFTW_FLAGS	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE
(18) (48) (4C) (4C)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING 1	108 4 8 4 32 1	TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6) * TRFTW_WIPE_AREA TRFTW_TRACE_TYPE TRFTW_FLAGS TRFTW_INTERPRETATION TRFTW_LOAD_FAILED	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE MVS LOAD
(18) (48) (4C) (4C)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING 1	108 4 8 4 32 1	TRFTW_FORMATTING_ADDRESS (6) TRFTW_FORMATTING_NAME (6) * TRFTW_WIPE_AREA TRFTW_TRACE_TYPE TRFTW_FLAGS TRFTW_INTERPRETATION TRFTW_LOAD_FAILED TRFTW_NO_NAME TRFTW_FEATURE_	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE
(18) (48) (4C) (4C)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING 1	108 4 8 4 32 1	TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6) TRFTW_WIPE_AREA TRFTW_TRACE_TYPE TRFTW_FLAGS TRFTW_INTERPRETATION TRFTW_LOAD_FAILED TRFTW_NO_NAME	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE MVS LOAD NO FORMAT
(18) (48) (4C) (4C)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING 1	108 4 8 4 32 1	TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6) * TRFTW_WIPE_AREA TRFTW_TRACE_ TYPE TRFTW_FLAGS TRFTW_INTERPRETATION TRFTW_LOAD_ FAILED TRFTW_NO_NAME TRFTW_FEATURE_ ABEND	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE MVS LOAD
(18) (48) (4C) (4C)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING 1	108 4 8 4 32 1	TRFTW_FORMATTING_ADDRESS (6) TRFTW_FORMATTING_NAME (6) * TRFTW_WIPE_AREA TRFTW_TRACE_TYPE TRFTW_FLAGS TRFTW_INTERPRETATION TRFTW_LOAD_FAILED TRFTW_NO_NAME TRFTW_FEATURE_	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE MVS LOAD NO FORMAT
(48) (4C) (4D)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING 1	108 4 8 4 32 1	TRFTW_TORMATTING_ADDRESS (6) TRFTW_FORMATTING_NAME (6) TRFTW_WIPE_AREA TRFTW_TRACE_TYPE TRFTW_FLAGS TRFTW_INTERPRETATION TRFTW_LOAD_FAILED TRFTW_NO_NAME TRFTW_FEATURE_ABEND TRFTW_INT_OVERFLOW	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE MVS LOAD NO FORMAT NO FORMAT SPARE
Hex (0) (0) (18) (48) (4C) (4C) (4D)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING 1	108 4 8 4 32 1 1	TRFTW_FORMATTING_ ADDRESS (6) TRFTW_FORMATTING_ NAME (6) * TRFTW_WIPE_AREA TRFTW_TRACE_ TYPE TRFTW_ILAGS TRFTW_INTERPRETATION TRFTW_LOAD_ FAILED TRFTW_FEATURE_ ABEND TRFTW_INT_ OVERFLOW * TRFTW_LEN_LEFT	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE MVS LOAD NO FORMAT NO FORMAT SPARE WORK AREA
(48) (4C) (4D)	STRUCTURE ADDRESS CHARACTER CHARACTER CHARACTER UNSIGNED BITSTRING 1	108 4 8 4 32 1	TRFTW_TRFTW_FORMATTING_ADDRESS (6) TRFTW_FORMATTING_NAME (6) TRFTW_WIPE_AREA TRFTW_TRACE_TYPE TRFTW_FLAGS TRFTW_INTERPRETATION TRFTW_LOAD_FAILED TRFTW_NO_NAME TRFTW_FEATURE_ABEND TRFTW_INT_OVERFLOW	FEATURE TRACE ENTRY STORED ADDR STORED NAMES SPARE WIPED EACH CAL@BA70223 TYPES BELOW FOREIGN CODE MVS LOAD NO FORMAT NO FORMAT SPARE

Offset Hex	Туре	Len	Name (Dim)	Description
(54)	ADDRESS	4	TRFTW_DFHTRIB_ ADDRESS	
(58)	ADDRESS	4	TRFTW_CDPFTAB_ ADDRESS	TRIB ADDRESS
(5C) (64)	CHARACTER CHARACTER	8 8	TRFTW_MODULE_ NAME *	CDURUN TABLE FT MOD NAME SPARE

Constants

Len 2 2 1 1	Type DECIMAL DECIMAL DECIMAL DECIMAL DECIMAL	Value 7 32 12 0 1	Name TRF_NUM_FIELDS TRF_BPL GTF_TYPE_NUM TRFTW_ENTRY TRFTW_EXIT	Description Maximum number of DATAfields on TRACE_PUT Number of bytes of dataformatted on each line number of TREN_TYPEs ENTRY EXIT			
1 1 1 1 1	DECIMAL DECIMAL DECIMAL DECIMAL DECIMAL DECIMAL DECIMAL	2 3 4 9 0 1	TRFTW_EXCEPTION TRFTW_DATA TRFTW_EVENT TRFTW_RUB TRFTW_RC_OK TRFTW_RC_OVERFLOW	EXCEPTION@BA70223 DATA EVENT OK Overflow			
Values	for TRIP_DATA_TYPE						
1 1 1	DECIMAL DECIMAL DECIMAL	0 1 2	TRI_CHAR TRI_HEX TRI_DEC	CHAR on DFHTRIBM HEX on DFHTRIBM DEC on DFHTRIBM			
1 1 1	DECIMAL DECIMAL DECIMAL	3 4 5	TRI_BIN TRI_CDPLIST TRI_ASCII	BIN on DFHTRIBM CDPLIST on DFHTRIBM ASCII on DFHTRIBM			
Values for TRIP_PLIST_TYPE							
1	DECIMAL DECIMAL	0 1	TRI_IN TRI_OUT	IN on DFHTRIBM OUT on DFHTRIBM			
Values for TRIP_SPACE							
1 1 2	DECIMAL DECIMAL DECIMAL	0 1 40960	TRI_NO TRI_YES TR_BLOCK_ SIZE_TRAN_DU	NO on DFHTRIBM YES on DFHTRIBM BLOCK SIZE USE BY TRXDF			

TRFTE Feature trace entry header

```
CONTROL BLOCK NAME = DFHTRFTC
DESCRIPTIVE NAME = CICS/ESA (TR) Feature Trace Entry Header
FUNCTION = This is the header for a trace entry made by
       a Feature when the DFHTRFTM TRACE_PUT interface is
       used.
       It appears immediately after the TREN_HEADER for
       a Feature trace entry, as the first part of the
       TREN_DATA. The remaining trace entry data,
       supplied by the Feature as TRFT_DATAn (where n is
       between 1 and 7) on the TRFT TRACE_PUT call,
       follows immediately after the TRFTE_HEADER.
LIFETIME = Created by DFHTRFT in the internal trace table for
       each TRACE_PUT. Destroyed when overwritten after
       the next trace table wrap. Trace entries are also
       held on auxiliary trace datasets and GTF datasets.
STORAGE CLASS = Held in the internal trace table in MVS storage.
LOCATION = Each trace table block contains a block header
       followed by as many entries contiguously as will
       fit in the rest of the block.
INNER CONTROL BLOCKS =
   This is an inner control block to the DFHTREN.
   DFHTRFTE has no inner control blocks itself.
NOTES:
DEPENDENCIES = S/390
RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None
 DATA AREAS = None
 CONTROL BLOCKS = None
 GLOBAL VARIABLES (Macro pass) = None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	94	TRFTE	Feature trace entry
(0)	UNSIGNED	2	TRFTE_HEADER_LEN	Feature trace header length - excludes the length of this field itself
(2)	CHARACTER	92	TRFTE_HEADER	Feature trace header
(2)	UNSIGNED	1	TRFTE_VERSION	Feature trace header version
(3)	UNSIGNED	1	*	SPARE
(4)	CHARACTER	30	TRFTE_COMPANY_ NAME	
				Feature company name
(22)	CHARACTER	30	TRFTE_FEATURE_ NAME	
				Feature name
(40)	CHARACTER	10	TRFTE_FEATURE_ LEVEL	
				Feature release level
(4A)	CHARACTER	8	TRFTE_FORMATTING_	
			ROUTINE	
				Feature trace formatting routine
(52)	CHARACTER	9	TRFTE_ABBREV_ NAME	Name for formatted trace
(5B)	BITSTRING	1	TRFTE_FLAGS	Feature trace entry flags
	1		TRFTE_EXCEPTION_	
			TRACE	
				Exception trace flag
	.111 1111		*	Spare
(5C)	CHARACTER	2	*	Spare
Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	108	TRFTW	FEATURE TRACE ENTRY
(0)	ADDRESS	4	TRFTW_FORMATTING_	
			ADDRESS (6)	CTORER ARRE
(40)	OLIA DA OTED		TRETU FORMATTING	STORED ADDR
(18)	CHARACTER	8	TRFTW_FORMATTING_	
			NAME (6)	OTODED NAMES
(40)	CHARACTER	4	*	STORED NAMES
(48)	CHARACTER CHARACTER	4 32		SPARE WIPED EACH CAL@BA70223
(4C) (4C)	UNSIGNED	1	TRFTW_WIPE_AREA TRFTW_TRACE_ TYPE	TYPES BELOW
(4C) (4D)	BITSTRING	1	TRFTW_FLAGS	TTFLG BLLOW
(40)	1	'	TRI TW_I LAGS	
	1		TRFTW_INTERPRETATION	
			IN IW_INTENTRETATION	FOREIGN CODE
	.1		TRFTW_LOAD_ FAILED	TOREIGN CODE
			111 1711	MVS LOAD
	1		TRFTW_NO_NAME	NO FORMAT
	1		TRFTW_FEATURE_	
			ABEND	
			,	NO FORMAT

Offset Hex	Туре	Len	Name (Dim)	Description
	111		*	SPARE
(4E)	UNSIGNED	2	TRFTW_LEN_LEFT	WORK AREA
(50)	ADDRESS	4	TRFTW_NAB	PTR WORK AREA
(54)	ADDRESS	4	TRFTW_DFHTRIB_ ADDRESS	
				TRIB ADDRESS
(58)	ADDRESS	4	TRFTW_CDPFTAB_ ADDRESS	
				CDURUN TABLE
(5C)	CHARACTER	8	TRFTW_MODULE_ NAME	FT MOD NAME
(64)	CHARACTER	8	*	SPARE

Constants

Len	Туре	Value	Name	Description
1	DECIMAL	0	TRFTW_ENTRY	ENTRY
1	DECIMAL	1	TRFTW_EXIT	EXIT
1	DECIMAL	2	TRFTW_EXCEPTION	EXCEPTION@BA70223
1	DECIMAL	3	TRFTW_DATA	DATA
1	DECIMAL	4	TRFTW_EVENT	EVENT
1	DECIMAL	9	TRFTW_RUB	
1	DECIMAL	0	TRFTW_RC_OK	OK
1	DECIMAL	1	TRFTW_RC_OVERFLOW	Overflow

TRGTW Global trap working storage

CONTROL BLOCK NAME = DFHTRGTW DESCRIPTIVE NAME = CICS Global Trap (DFHTRAP) Working Storage FUNCTION = All of the working storage and register save areas etc. associated with the Global Trap (DFHTRAP). LIFETIME = Created by DFHTRSR when a TRAP=ON command is issued via the SIT or CSFE. Freed by DFHTRSR during CSFE TRAP=OFF processing. STORAGE CLASS = In MVS GETMAIN'd storage above 16M. LOCATION = The address is held in TRA_TRAP_WA_PTR in the TR $\label{eq:control} \mbox{domain anchor block (TRA)}. \\ \mbox{INNER CONTROL BLOCKS} = \mbox{None}$ NOTES : DEPENDENCIES = S/370 RESTRICTIONS = None MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = None GLOBAL VARIABLES (Macro pass) = None

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	328	DFHTRGTW	Global trap (DFHTRAP)working storage
(0)	CHARACTER	72	TRAP_REGSAVE	RSA for DFHTRAP
(48)	CHARACTER	48	TRAP_PLIST	DFHTRADS storage
(78)	BITSTRING	4	TRAP_FLAGS	Trap return action flags
	1		TRAP_TRACE	Further trace entry required
	.1		TRAP_DUMP	System dump required
	1		*	Not used
	1		TRAP_ABCICS	Abend CICS
	1		TRAP_DISABLE	Disable the trap
(78)	BITSTRING	3	*	Reserved
(7C)	CHARACTER	104	TRAP_TRPLIST	TRPT format parameter for requested entry
(E8)	CHARACTER	96	TRAP_WORK	Force D-word alignment for
(E8)	CHARACTER	16	TRAP_WORK_EYEC	'DFHTRAP_WORKAREA' eyecatcher
(F8)	CHARACTER	80	TRAP_WORKAREA	Work area for DFHTRAP

TSG Temporary storage domain statistics

CONTROL BLOCK NAME = DFHTSGDS
DESCRIPTIVE NAME = CICS Temporary Storage statistics record.
FUNCTION = Temporary Storage statistics record.
LIFETIME = Record is constructed by DFHSTTS, then passed to the statistics domain.
STORAGE CLASS =
LOCATION =
INNER CONTROL BLOCKS = none
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS = none
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
DATA AREAS =
CONTROL BLOCKS =
GLOBAL VARIABLES (Macro pass) =

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTSGDS	Temp storage statistics
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	TSGLEN	Length of data area
	11		TSGIDE	"0048" TS stats mask
(2)	ADDRESS	2	TSGID	TS stats id
	1		TSGVERS	"X'01" DSECT version number mask
(4)	CHARACTER	1	TSGDVERS	TS stats version number
(5)	CHARACTER	3		Reserved
(8)	FULLWORD	4	TSGSTA5F	PUT/PUTQ main storage requests
(C)	FULLWORD	4	TSGNMG	GET/GETQ main storage requests
(10)	FULLWORD	4	TSGSTA6F	Peak storage for TS
(14)	FULLWORD	4	TSGSTA7F	PUT/PUTQ aux storage requests
(18)	FULLWORD	4	TSGNAG	GET/GETQ aux storage requests
(1C)	FULLWORD	4	TSGQNUMH	Peak TS names in use
(20)	FULLWORD	4	TSGQINH	Entries in longest Queue
(24)	HALFWORD	2		Reserved
(26)	HALFWORD	2		Reserved
(28)	FULLWORD	4	TSGSTA3F	Times queue created
(2C)	FULLWORD	4		Reserved
(30)	FULLWORD	4	TSGCSA	Control interval size
(34)	FULLWORD	4	TSGSTABF	Writes more than control interval
(38)	FULLWORD	4	TSGNCI	Cls in TS dataset
(3C)	FULLWORD	4	TSGNCIAH	Peak Cls used
(40)	FULLWORD	4	TSGSTA8F	Times aux store exhausted
(44)	HALFWORD	2	TSGNBCA	No. TS Buffers
(46)	HALFWORD	2		Reserved
(48)	FULLWORD	4	TSGBWTN	No. Buffer waits
(4C)	FULLWORD	4	TSGBUWTH	Peak users waiting on buffer
(50)	FULLWORD	4	TSGTWTN	Buffer writes
(54)	FULLWORD	4	TSGTWTNR	Writes force for recovery
(58)	FULLWORD	4	TSGTRDN	Buffer reads
(5C)	FULLWORD	4	TSGTWTNF	Format writes
(60)	HALFWORD	2	TSGNVCA	No. TS strings
(62)	HALFWORD	2		Reserved
(64)	FULLWORD	4	TSGNVCAH	Peak strings in use
(68)	FULLWORD	4	TSGVWTN	Times string wait occurred
(6C)	FULLWORD	4	TSGVUWTH	Peak users waiting on string
(70)	FULLWORD	4	TSGSTAAF	I/O errors on TS dataset
(74)	FULLWORD	4	TSGSTA6A	Current storage for TS
(78)	FULLWORD	4	TSGSTA9F	No. TS compressions
(7C)	FULLWORD	4	TSGNCIA	Current Cls in use
(80)	FULLWORD	4	TSGVUWT	Users waiting on string
(84)	FULLWORD	4	TSGBUWT	Users waiting on buffer
(88)	FULLWORD	4	TSGQNUM	TS names in use
(8C)	FULLWORD	4	TSGLAR	Longest Auxiliary record length
(90)	FULLWORD	4	TSGNAVB	No. available bytes per Cl
(94)	FULLWORD	4	TSGSPCI	Segments per CI
(98)	FULLWORD	4	TSGBPSEG	Bytes per segment
(9C)	FULLWORD	4	TSGSHPDF	Shared pools defined
(A0)	FULLWORD	4	TSGSHPCN	Shared pools connected to
(A4)	FULLWORD	4	TSGSHRDS	Shared requests
(A8)	FULLWORD	4	TSGSHWTS	Shared write requests
	1.1. 11		TSGEND	
	1.1. 11		TSGCLEN	"*-TSGLEN" Length of DSECT

Temporary storage input/output area **TSIOA**

CONTROL BLOCK NAME = DFHTSIOA ${\tt DESCRIPTIVE\ NAME = CICS\ Temporary\ Storage\ Input/Output\ Area.}$ TEMPORARY STORAGE INPUT/OUTPUT AREA (TSIOA) The TSIOA is a class of user storage and is chained off the TCA (TCASCCA). It can be acquired by the user or, in response to a GET or GETQ request, it is acquired by the temporary storage program when no TSDADDR is specified. TSIOAs acquired by, or on $% \left\{ 1,2,\ldots ,n\right\}$ behalf of, a user task are normally released by the task. If not, the area is freed by the task control program when the task is terminated.

If necessary, an extension header is inserted in the TSIOA preceding the user data. This extension carries information specified on an EXEC CICS START command (for example, PROTECT FMH RTRANSID).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTSIOA	DUMMY SECTION - TEMPORARY STORAGE I/O AREA USING
(0)	HALFWORD	2		STORAGE ACCOUNTING (CLASS=TEMPORARY STORAGE)
(2)	HALFWORD	2	TSIOASAL	STORAGE ACCOUNTING - AREA LENGTH
(4)	ADDRESS	4	TSIOASCA	TRANSACTION STORAGE CHAIN ADDRESS
(8)	HALFWORD	2	TSIOAVRL	VARIABLE RECORD LENGTH
(A)	HALFWORD	2		RESERVED
	11		TSIOACAD	"*-DFHTSIOA" CONTROL AREA DISPLACEMENT
	11		TSIOADBA	"*" DATA BEGINNING ADDRESS

TST Temporary storage table

CONTROL BLOCK NAME = DFHTSTDS DESCRIPTIVE NAME = CICS Temporary Storage Table TEMPORARY STORAGE TABLE (TST)

The temporary storage table (TST) is a list of generic mnemonics

- 1. To identify temporary storage DATAIDs for which CICS is to provide recoverability in the event of abnormal termination of CICS and subsequent emergency restart.
- 2. To identify DATAIDs for which security checking is to be performed.
- 3. To identify DATAIDs on a remote system.
- 4. To map selected remote system SYSIDs to shared queue pools. Each recovery entry in the table specifies the leading characters of user-defined DATAIDs for which CICS will provide protection (enqueueing) during a logical unit of work by an application program and automatic logging of the status of the data at task termination (or sync point). CSATSTBA in the CSA optional features list (CSAOPFL) points to the temporary storage table (TST).

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHTSTDS	
(0)	DBL WORD	8	TSTSTART (0)	
	PREF	IX		
(0)	FULLWORD	4	TSTDTAGE	DATA AGE LIMIT IN 1.048576 SEC UNITS
(4)	ADDRESS	4	TSTADDRE	A(1ST RECOVERY ENTRY) OR 0 IF NONE PRESENT
(8)	ADDRESS	4	TSTADDRM	A(1ST REMOTE ENTRY) OR 0 IF NONE PRESENT
(C)	ADDRESS	4	TSTADDSE	A(1ST SECURITY ENTRY) OR 0 IF NONE PRESENT
(10)	BITSTRING	8	TSTHDX (0)	OPTIONAL HEADER EXTENSION ENTRY
(10)	HALFWORD	2	TSTHDXLN	HEADER EXTENSION ENTRY LENGTH
(12)	BITSTRING	1	TSTHDXFL	FLAG BYTE IN SAME FORM AS TSTFL
HEADE	R EXTENSION IS F	RESENT IF T	STHDXBM IS SET II	N THIS FLAG BYTE
(13)	BITSTRING	1		RESERVED
(14)	ADDRESS	4	TSTADDSH	A(1ST SHARED POOL ENTRY) OR 0 IF NONE PRESENT
	COMMO	N PART		
(0)	HALFWORD	2	TSTLL	LENGTH OF ENTRY
(2)	BITSTRING	1	TSTFL	FLAG DESCRIBING ENTRY
()	1		TSTRCVBM	"X'80" RECOVERABLE
	.1		TSTRMTBM	"X'40" REMOTE

Offset	Туре	Len	Name (Dim)	Description
Hex				
	1		TSTRNMBM	"X'20" REMOTE PREFIX GIVEN
	1		TSTRSLBM	"X'10" RESOURCE SECURITY LEVEL CHK
	1		TSTSHRBM	"X'08" SHARED POOL ENTRY
	1		TSTMIGBM	"X'04'" MIGRATE FLAG (1 IF MIGRATE=YES)
	1.		TSTHDXBM	"X'02" HEADER EXTENSION ENTRY
	1		TSTLSTBM	"X'01"" =1 FOR LAST ENTRY
(3)	SIGNED	1		RESERVED
(4)	BITSTRING	1		RESERVED
(5)	BITSTRING	1	TSTPL	PREFIX LENGTH-1
(6)	CHARACTER	8	TSTPRFX (0)	PREFIX
(6)	CHARACTER	8	TSTPOOL (0)	POOL NAME IN SHARED POOL ENTRY
(6)	CHARACTER	4		FIRST FOUR BYTES
(A)	CHARACTER	4		LAST FOUR - INCLUDED ONLY WHEN PREFIX GREATER THAN FOUR BYTES, OR
				REMOTE
	REMOTE ONL	Υ.Υ		
(E)	CHARACTER	4	TSTSYS	REMOTE SYSTEM ID
	REMOTE AND TST	RNMBM=1	ONLY	
(12)	CHARACTER	8	TSTRPFX	REMOTE PREFIX (TSTPL GIVES ACTUAL LENGTH-1)

Temporary storage EXEC parameter list TSUE

```
CONTROL BLOCK NAME = DFHTSUEC
DESCRIPTIVE NAME = CICS EXEC parameter list for Temporary
                  Storage user exits.
  Although provided in a general library, DFHTSUED is not
  to be used as a general programming interface. Refer to
  product documentation to determine intended usage.
  The following fields are part of the Product-sensitive
 Programming Interface.
TS_ADDR0
         TS_ADDR1
         TS_ADDR2
         TS_ADDR3
          TS_ADDR4
          TS_ADDR5
         TS ADDR7
          TS GROUP
          TS_FUNCT
          TS_BITS1
          TS_EIDOPT5
          TS_EIDOPT6
          TS_EIDOPT7
          TS_EIDOPT8
          TS_QUEUE
          TS_WRITEQ_QUEUE
          TS_READQ_QUEUE
          TS_DELETEQ_QUEUE
          TS QNAME
         TS_WRITEQ_QNAME
         TS READQ QNAME
          TS_DELETEQ_QNAME
         TS_READQ_SET
          TS_READQ_INTO
          TS_WRITEQ_FROM
          TS LENGTH
          TS WRITEO LENGTH
         TS_READQ_LENGTH
          TS_READQ_NUMITEMS
          TS_WRITEQ_NUMITEMS
          TS_ITEM
          TS_WRITEQ_ITEM
         TS_READQ_ITEM
          TS SYSID
         TS_WRITEQ_SYSID
          TS_READQ_SYSID
         TS_DELETEQ_SYSID
  All equates for values of EIBRCODE, EIBRESP and EIBRESP2
  form part of the General-purpose Programming Interface.
  All remaining fields used in defining the Exec Parameter
  List are product sensitive and may vary between CICS
 releases.
FUNCTION =
   To define the EXEC parameter list for Temporary Storage
   requests, for use by global user exit programs at exit
   points XTSEREQ and XTSEREQC.
   On entry to the XTSEREQ and XTSEREQC User Exits, the EXEC
   parameter list is pointed to by UEPCLPS.
   The EXEC parameter list for Temporary Storage consists of
   eight addresses.
   The eight addresses are defined by TS_ADDR0 to TS_ADDR7.
   This DSECT defines these addresses and the areas that
   they point to.
   On entry to the XTSEREQ and XTSEREQC User Exits, the copy
   of EIBRCODE is pointed to by UEPRCODE, the copy of EIBRESP
   is pointed to by UEPRESP and the copy of EIBRESP2 is
   pointed to by UEPRESP2.
   This DSECT also contains equates for values of EIBRCODE,
   EIBRESP and EIBRESP2 used by Temporary Storage.
LIFETIME = Lifetime of the TS command request STORAGE CLASS = As the storage being mapped is the translated
        source in the user's application program, the
        storage may be either above or below the line.
LOCATION = (1) EXEC Parameter List is addressed by UEPCLPS.
        (2) Fields copied from the EIB are addressed by
           UEPRCODE, UEPRESP and UEPRESP2.
        (3) The token for use in communicating between
           XTSEREQ and XTSEREQC is addressed by UEPTQTOK.
INNER CONTROL BLOCKS =
   TS_ADDR_LIST declares the EXEC addresses.
   TS_EID defines the EID pointed to by TS_ADDR0.
```

NOTES: DEPENDENCIES = S/370 ESA RESTRICTIONS = None MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None CONTROL BLOCKS = None GLOBAL VARIABLES (Macro pass) = None The command parameter list is a list of addresses which reference the argument values for this this EXEC CICS command. The addresses are only valid if the argument is applicable to this command. For example, address 1 is of the TS QUEUE (if used) for all TS commands, whereas the address 2 is of the FROM data area on WRITEQ commands, the SET address or INTO data area for READQ commands, and is not valid for DELETEQ commands. The existance bits in the EID component (TS_BITS1) specify those addresses that are valid, and the flagword bits (TS_EIDOPT5 - TS_EIDOPT8) specify the keywords that were given in the EXEC CICS TS command. Therefore, you can deduce the usage of each address by testing these bits in conjunction with the command function(TS_FUNCT).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	TS_ADDR_LIST	Addresses of
(0)	ADDRESS	4	TS_ADDR0	the EID
(4)	ADDRESS	4	TS_ADDR1	QUEUE/QNAME
(8)	ADDRESS	4	TS_ADDR2	FROM data area (WRITEQ)
		INTO data a SET address	rea (READQ) s (READQ)	
(C)	ADDRESS	4	TS_ADDR3	LENGTH value
(10)	ADDRESS	4	TS_ADDR4	NUMITEMS value (READQ)
(14)	ADDRESS	4	TS_ADDR5	ITEM value
		NUMITEMS	value (WRITEQ)	
(18)	ADDRESS	4	*	Reserved
(1C)	ADDRESS	4	TS_ADDR7	SYSID

TS_EID (addressed by TS_ADDR0) gives the command function, and contains the existence and flagword bits. Note: Equates for TS_GROUP, TS_FUNCT, EIBRCODE, EIBRESP and EIBRESP2 values are defined at the end of this data structure.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	9	TS_EID	
(0)	CHARACTER	1	TS_GROUP	'0A'X for TS
(1)	CHARACTER	1	TS FUNCT	'02'X for WRITEQ

'04'X for READQ '06'X for DELETEQ

The existence bits (TS_BITS1) specify the parameters that are valid for this command.

For example, TS_EXIST7 set on indicates that TS_ADDR7 is valid,

meaning that it addresses a SYSID value.

TS ADDR0 is always valid and has no existence bit. A user exit program at XTSEREQ can set the TS_EXIST7 bit on or

off for all TS commands. All other changes will be ignored.

(2)	BITSTRING	1	TS_BITS1	
	1		TS_EXIST1	QUEUE/QNAME -
	1		TS_QUEUE_V	ALWAYS SET
	1		TS_WRITEQ_ QUEUE_V	
	1		TS_READQ_ QUEUE_V	
	1		TS_DELETEQ_	
			QUEUE_V	
	.1		TS_EXIST2	
	.1		TS_WRITEQ_ FROM_V	
	.1		TS_READQ_	
			SET_INTO_V	
	1		TS_EXIST3	
	1		TS_LENGTH_V	
	1		TS_WRITEQ_	
			LENGTH_V	
	1		TS_READQ_	
			LENGTH_V	
	1		TS_EXIST4	

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TS READQ	
			NUMITEMS V	
	1		TS_EXIST5	
	1		TS_WRITEQ_	
			ITEM_NUMITEMS_V	
	1		TS_READQ_ ITEM_V	
	1		*	
	1.		TS_EXIST7	
	1.		TS_SYSID_V	
	1.		TS_WRITEQ_ SYSID_V	
	1.		TS_READQ_ SYSID_V	
	1.		TS_DELETEQ_	
			SYSID_V	
	1		*	Reserved
(3)	BITSTRING	2	*	Reserved

The next 4 bytes (TS_EIDOPT5 - TS_EIDOPT8) are the flagword bits. Some bits have more than one meaning, depending on the command function, and these are named accordingly.

A user exit program at XTSEREQ can set the TS_WRITEQ_MAIN_X and TS_WRITEQ_NOSUSPEND_X bits on or off for all WRITEQ commands. All other changes will be ignored.

(5)	BITSTRING	1	TS_EIDOPT5	
. ,	1		TS_QNAME_X	QNAME,otherwise QUEUE@L3C
	.111 111.		*	Reserved
	1		TS_READQ_SET_X	SET, otherwise INTO
(6)	BITSTRING	1	TS_EIDOPT6	
(6)	BITSTRING	1	*	Reserved
(7)	BITSTRING	1	TS_EIDOPT7	
` '	111		*	Reserved
	1		TS_WRITEQ_	
			NOSUSPEND_X	
				NOSUSPEND
	1		*	
	1		TS_WRITEQ_ MAIN_X	MAIN, otherwise AUXILIARY
	1		TS_READQ_ ITEM_X	ITEM
	1		*	
	1		TS_WRITEQ_	
			REWRITE_X	
			_	REWRITE
	1		TS_READQ_	
			NUMITEMS_X	
				NUMITEMS
	11		*	
(8)	BITSTRING	1	TS_EIDOPT8	
(-)	1	=	*	
	1		TS_WRITEQ_ ITEM_X	ITEM, otherwise NUMITEMS
	.111 1111		*	The state of the s

The following definitions are for the rest of the arguments in the EXEC parameter list, addressed by TS_ ADDR1 - TS_ ADDR7 in TS_ADDR_LIST.

Offset Hex (0) (0) (0) (0) (0)	Type STRUCTURE CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER	8 8 8 8 8	Name (Dim) TS_DATA1 TS_QUEUE TS_WRITEQ_QUEUE TS_READQ_QUEUE TS_DELETEQ_ QUEUE	Description the QUEUE name
Offset Hex (0) (0) (0) (0) (0)	Type STRUCTURE CHARACTER CHARACTER CHARACTER CHARACTER CHARACTER	16 16 16 16 16	Name (Dim) TS_DATA1X TS_QNAME TS_WRITEQ_QNAME TS_READQ_QNAME TS_DELETEQ_ QNAME	Description the QNAME, if specified
Offset Hex (0) (0) (0) (0)	Type STRUCTURE CHARACTER CHARACTER ADDRESS	Len * * * 4	Name (Dim) TS_DATA2 TS_READQ_INTO TS_WRITEQ_FROM TS_READQ_SET	Description the INTO area the FROM area SET address

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	2	TS DATA3	
(0)	HALFWORD	2	TS LENGTH	the record LENGTH
(0)	HALFWORD	2	TS WRITEQ LENGTH	
(0)	HALFWORD	2	TS READQ LENGTH	
. ,				
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	2	TS DATA4	
(0)	HALFWORD	2	TS_READQ_ NUMITEMS	NUMITEMS value for READQ
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	2	TS DATA5	
(0)	HALFWORD	2	TS WRITEQ NUMITEMS	NUMITEMS value for WRITEQ
(0)	HALFWORD	2	TS ITEM	the ITEM value
(0)	HALFWORD	2	TS WRITEQ ITEM	ine ii ziii valae
(0)	HALFWORD	2	TS READQ ITEM	
(-/				
Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	4	TS_DATA7	
(0)	CHARACTER	4	TS_SYSID	the SYSID name
(0)	CHARACTER	4	TS_WRITEQ_SYSID	
(0)	CHARACTER	4	TS_READQ_SYSID	
(0)	CHARACTER	4	TS_DELETEQ_ SYSID	

Constants

Len 1	Type HEX	Value 0A	Name TS TEMPSTOR GROUP	Description
Equ	ates for TS_ FUNCT v	ralues.		
1	HEX	02	TS_WRITEQ	WRITEQ
1	HEX	04	TS_READQ	READQ
1	HEX	06	TS_DELETEQ	DELETEQ
	tart of General Use Proquates for EIBRCODE	ogramming Interface. values used by Temporary Storage.		
1	HEX	00	TS OK EIBRCODE	
1	HEX	20	TS INVREQ EIBRCODE	
1	HEX	04	TS IOERR EIBRCODE	
1	HEX	D1	TS_ISCINVREQ_ EIBRCODE	
1	HEX	01	TS ITEMERR EIBRCODE	
1	HEX	E1	TS LENGERR EIBRCODE	
1	HEX	08	TS NOSPACE EIBRCODE	
1	HEX	D6	TS NOTAUTH EIBRCODE	
1	HEX	02	TS QIDERR EIBRCODE	
1	HEX	D0	TS SYSIDERR EIBRCODE	
1	HEX	03	TS_LOCKED_EIBRCODE	
	Equates for EIBRESP	values used by Temporary Storage.		
1	DECIMAL	0	TS OK EIBRESP	
1	DECIMAL	16	TS INVREQ EIBRESP	
1	DECIMAL	17	TS IOERR EIBRESP	
1	DECIMAL	54	TS ISCINVREQ EIBRESP	
1	DECIMAL	26	TS ITEMERR EIBRESP	
1	DECIMAL	22	TS LENGERR EIBRESP	
1	DECIMAL	18	TS NOSPACE EIBRESP	
1	DECIMAL	70	TS NOTAUTH EIBRESP	
1	DECIMAL	44	TS QIDERR EIBRESP	
1	DECIMAL	53	TS_SYSIDERR_ EIBRESP	
1	DECIMAL	100	TS_LOCKED_EIBRESP	
	Equates for EIBRESP:	2 values used by Temporary Storage.		
1	DECIMAL	0	TS OK EIBRESP2	OK
1	DECIMAL	101	TS NOTAUTH EIBRESP2	NOTAUTH
1	DECIMAL	0	TS LOCKED EIBRESP2	LOCKED *-*-**-**-**-**-**-**-**-**-**-**-**-**
	520	-	. 1_130.120_2.15.120. 2	General Use **-* *-* Programming Interface *-*

TTP Terminal type parameter

MODULE NAME = DFHTTPDS DESCRIPTIVE NAME = CICS Terminal Type Parameter FUNCTION = Defines the terminal type parameter. This control block contains terminal type or partition or LDC specific data. The OSPWA addresses a chain of direct TTPS (one per partition or LDC) and if routing is in effect the OSPWA addresses a chain of routed TTPS, one per target terminal type. Note that routing and LDCS or partitions are mutually exclusive. TTPS are built by DFHRLR, and freed by DFHMCP on SEND PAGE. DEPENDENCIES = S/370 RESTRICTIONS = NONE REGISTER CONVENTIONS = NOT APPLICABLE PATCH LABEL = NONE MODULE TYPE = DSECT MODULE SIZE = xxxx (ddddd DECIMAL) BYTES ATTRIBUTES = DSECT ENTRY POINT = NOT APPLICABLE PURPOSE = SEE FUNCTION LINKAGE = NOT APPLICABLE INPUT = NOT APPLICABLE OUTPUT = NOT APPLICABLE EXIT-NORMAL = NOT APPLICABLE EXIT-ERROR = NOT APPLICABLE EXTERNAL REFERENCES = NOT APPLICABLE CONTROL BLOCKS = NOT APPLICABLE TABLES = NONE MACROS = NONE TERMINAL TYPE PARAMETERS COMMON CONTROL AREA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTTPCM	DUMMY SECTION PART 1 - TTP
(0)	DBL WORD	8	DITITION	STORAGE ACCOUNTING INFORMATION; STORAGE CLASS=USER
(0)	1	ŭ	TTPSTRT	*
(8)	CHARACTER	8	TTPCBID	TTP SELF IDENTIFICATION. SET TO 'DFHTTPDS' WHEN TTP CREATED
()	1		TTPSTRT1	"*" START OF REAL TTP DATA
(10)	BITSTRING	2	TTPTTID (0)	TERMINAL TYPE PARAMETER ID
'TTPDD	S' & 'TTPMSUFX' EQ	UATES CA	N BE FOUND AT END OF DSECT	
(10)	BITSTRING	1	TTPDDS	DEVICE DEPENDENCE SUFFIX
(11)	BITSTRING	1	TTPMSUFX	MAP SUFFIX
(12)	CHARACTER	2	TTPLDCMN	LOGICAL DEVICE CODE MNEMONIC OR OUTPARTN VALUE I.E. NAME OF O/P
				PARTITION
(14)	BITSTRING	1	TTPLDCTT	LDC TERMINAL TYPE
(15)	BITSTRING	1	TTPDSP	DATA STREAM PROFILE
(16)	BITSTRING	2	TTPTFS (0)	ALL TERMINAL FEATURES BYTES
(16)	BITSTRING	1	TTPTF	FLAGS FROM 'TCTTETF'
(17)	BITSTRING	1	TTPTF2 (0)	TERMINAL FEATURES (CONTD)
EQU	ATES FOR 'TTPTFS'	ARE THE S	SAME AS FOR 'TCTTETF'	
(17)	BITSTRING	1	TTPDVC	BMS DEVICE FROM 'TCTTEDVC'
(18)	HALFWORD	2	TTPTCNT	COUNT OF TERMINAL IDENTIFICATION IN THIS TTP
(1A)	BITSTRING	4	TTPPOF (0)	PAGEBLD OVERFLOW INFORMATION
(1A)	HALFWORD	2	TTPPGNO	CURRENT PAGE NUMBER
(1C)	HALFWORD	2	TTPOCN	PAGEBLD OVERFLOW CONTROL NUMBER
(20)	ADDRESS	4	TTPCHAIN	ADDRESS OF NEXT TTP
(24)	ADDRESS	4	TTPPGBUF	ADDRESS OF PAGE BUILD BUFFER
(28)	ADDRESS	4	TTPDCCAD	A(DEVICE CONTROL CHARACTER SET)
(2C)	ADDRESS	4	TTPMLA	A(ALREADY LOADED MAP(SET))
(30)	ADDRESS	4	TTPMAPA	MAP ADDRESS WITHIN MAPSET
(34)	ADDRESS	4	TTPMMFCP	LAST MODIFIED MAP (FORWARD CHAIN POINTER) OR CURRENT MCA ADDRESS *
(38)	ADDRESS	4	TTPTFMA	TAB FORMAT MAP ADDRESS
(3C)	CHARACTER	2	TTPEAVAF (0)	VALID DEST ATTRIBUTES
(3C)	BITSTRING	1	TTPEAVAL	VALID ATTRS FOR DESTBYTE1
(3D)	BITSTRING	1	TTPEAVA2	VALID ATTRS FOR DESTBYTE2
(3E)	BITSTRING	1	TTPEAVA3	RESERVED
(3F)	CHARACTER	2	TTPEAUSF (0)	DATASTREAM ATTRIBUTES
(3F)	BITSTRING	1	TTPEAUSE	ATTRS USED IN DATASTREAMBYTE1
(40)	BITSTRING	1	TTPEAUS2	ATTRS USED IN DATASTREAMBYTE2
(41)	BITSTRING	1	TTPEAUS3	RESERVED
EC	QUATES FOR TTPEA	VAL AND T	TPEAUSE	
	1		TTPEXTDS	"X'80" IN TTPEAVAL: EXTENDED DATASTREAM SUPPORTED BY DESTINATION IN TTPEAUSE: EXTENDED ATTRS PRESENT FOR SOME MAP IN CURRENT PAGE
	.1		TTPEACOL	"X'40" COLOUR ATTR SUPPORTED/USED
	1		TTPEAPSS	"X'20" PSS ATTR SUPPORTED/USED
	1		TTDEALUT	NYAON AND OUT ATTO CURRONTED USED

"X'10'" HILIGHT ATTR SUPPORTED/USED

TTPEAHLT

...1

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TTPEAVLD	"X'08" VALIDATION ATTRIBUTES SUPPORT / USED
	1		TTPEAPRT TTPEAMSR	"X'04" PARTITIONS SUPPORTED "X'02" MSR SUPPORTED/USED
	1. 1		TTPEAAPR	"X'01" ACTIVATE PARTITION USED
FO	UATES FOR TTPEA\	/A2 AND TI		
	1	7712 71110 11	TTPEAFRL	"VIQO" OLITI INE ATTO CLIDDODTED/LICED
	.1		TTPEAMIX	"X'80" OUTLINE ATTR SUPPORTED/USED "X'40" SOSI ATTR SUPPORTED/USED
	1		TTPEABTR	"X'20" BACKGROUND TRANSP SUPP/USED
	1		TTPEASA	"X'01"" SA SUPPORTED/USED
(42) (43)	CHARACTER CHARACTER	1 1	TTPASUFX TTPTSQUL	ALTERNATE SUFFIX FROM TCTTE TEMPORARY STORAGE QUALIFICATION
(43)			TTFT3QUL	TEMPORARY STORAGE QUALIFICATION
	CONTROL RECORD			
(44) (45)	CHARACTER CHARACTER	1 1	TTPMSZL TTPMSZC	MAP HEIGHT IN LINES MAP WIDTH IN COLUMNS
(46)	CHARACTER	1	TTPMSL	RELOCATED MAP LINE POSITION
(47)	CHARACTER	1	TTPMSC	RELOCATED MAP COLUMN POSN
(48)	CHARACTER	8	TTPMLN	NAME BY WHICH MAP GOT LOADED
(50) (52)	HALFWORD HALFWORD	2 2	TTPTXPTR TTPDATO	TEXTBLD TIOA POINTER, SAVE AREA OFFSET FROM PBDDSADR TO DATA
(54)	HALFWORD	2	TTPCURSR	CURSOR POSITION
(58)	ADDRESS	4	TTP32SFP	ADDRESS OF 3270E OUTBOUND STRUCTURED FIELD
(5C)	BITSTRING	2	TTPDSPSZ (0)	MOST RESTRICTIVE DISPLAY SIZE
(5C) (5D)	BITSTRING BITSTRING	1 1	TTPLINES TTPCOLS	MOST RESTRICTIVE DISPLAY LENGTH MOST RESTRICTIVE DISPLAY WIDTH
(5E)	BITSTRING	1	TTPPFTS	TRAILER SIZE (NUMBER OF LINES)
(5F)	BITSTRING	1	TTPTFMI	TAB FORMAT MAP INDICATOR
	1		TTPTFMH	"X'20" HORIZONTAL TABS
(60)	.1 BITSTRING	1	TTPTFMV TTPIND01 (0)	"X'40" VERTICAL TABS TTP INDICATOR ONE
(60)	BITSTRING	1	TTPREQ	PAGE BUILD REQUEST CONTROL BYTE
` ,	1		TTPTXTO	"X'80"" TEXTBLD PAGE OVERFLOW
	.1		TTP3270	"X'40" 3270 INDICATOR
	1		TTPSM TTPTXTB	"X'20" TTPMLN CONTAINS A SUFFIXED NAME "X'10" TEXTBLD DATA IN BUFFER
	1		TTPERAS	"X'08" ERASE WITH WRITE
	1		TTPML1	"X'04" ML1 TO BE CALLED
	1.		TTPJL	"X'02" JUSTIFY = LAST
(04)	1	4	TTPJF	"X'01" JUSTIFY = FIRST
(61)	BITSTRING 1	1	TTPIND02 TTPOFIP	TTP INDICATOR TWO "X'80" TEXTBLD OVERFLOW IN PROCESS
	.1		TTPMAPIP	"X'40" MAPPING IN PROCESS
	1		TTPHDRJP	"X'20" HEADER JUST PROCESSED
	1		TTPALARM	"X'10" USER SAID CTRL=ALARM SO DSB SETS ALARM IN 3601 FMH
	1		TTPWWW TTPPFODO	"X'08" WAIT WHEN WRITING THIS PAGE "X'04" A PAGE WAS FORCED OUT DURING PAGEBLD OVERFLOW
	1.		TTPLDCDF	"X'02" DEFAULT TTP FOR LOGICAL DEVICE CODE PROCESSING
	1		TTPNXDC	"X'01"" NO INITIAL DDC ON PAGE 1
(62)	BITSTRING	1	TTPIND03	TTP INDICATOR THREE
	1		TTPMLDC TTPDIRCT	"X'80" TTP HAS MULTIPLE LDC'S OR PARTITIONS "X'40" THIS IS A DIRECT TTP
	1		TTPTRAN	"X'20" 3270 TRANSPARENCY NEEDED
	1		TTPTRAND	"X'10" 3270 TRANSPARENCY ALLOWED FOR IN TIOA
	1		TTPWSFYS	"X'08" WSF NEEDED FOR THIS PAGE
	1		TTPDOOBF TTPEAU	"X'04" DOING OUTBOARD FORMATTING "X'02" ERASE ALL UNPROTECTED
	1.		TTPFMHYS	"X'01" FMH PRESENT IN THIS PAGE
(63)	BITSTRING	4	TTPPFWRK (0)	PAGE FORMATTING WORK AREA
TTPPF	WRK'S FIELDS ARE	SEQUENCI	E SENSITIVE TO THE FIE	ELDS IN OSPPFWRK
(63)	BITSTRING	1	TTPPFCL	CURRENT LINE POINTER
(64)	BITSTRING	1	TTPPFNFL	NEXT AVAILABLE FULL LINE POINTER
(65)	BITSTRING	1	TTPPFNCL	NEXT AVAILABLE COLUMN FROM LEFT
(66) (67)	BITSTRING BITSTRING	1 1	TTPPFNCR TTPPFLRC	NEXT AVAILABLE COLUMN FROM RIGHT LAST REQUESTED COLUMN FROM LEFT
(68)	BITSTRING	1	TTPPFRRC	LAST REQUESTED COLUMN FROM RIGHT
(69)	BITSTRING	1	TTPFPCNT	NUMBER OF FMH PARAMETERS ON THIS PAGE
	1 111.		TTPMXFMP	"30" MAXIMUM NUMBER OF FMH PARAMETERS PER PAGE IS 30
(6A)	BITSTRING 1	1	TTPIND06 TTPASCSA	TTP INDICATOR SIX "X'80" TTP FOR ALTERNATE SCREEN SIZE
(6B)	BITSTRING	1	TTPIND04	TTP INDICATOR FOUR
()	1		TTP36OBF	"X'80" 3650 OBF NEEDED FOR THIS PAGE
	.1		TTPWSOBF	"X'40" WSF OBF NEEDED FOR THIS PAGE
	1		TTPNUSED TTPPRTN	"X'20" DIRECT TTP IS NOT USED
	1		TTPTPRT	"X'10" THIS TTP IS FOR A PARTITION "X'08" TERM SUPPORTS PARTITIONS M32 BUILDS 3270E OUTBOUND
	1		TTPMODOR	"X'04" OBF MAP HAS BEEN RELOCATED
	1.		TTPMAP1	"X'02" THE FIRST MAP IN A CHAIN OF MAP COPIES IS BEING HANDLED
(60)	1	2	TTPMHCRT	"X'01" A MAP HEADER EXTENSION AREA MUST BE CREATED
(6C) (6C)	HALFWORD CHARACTER	2 1	TTPSCSA (0) TTPSCSL	SCREEN SIZE (MINIMUM) SCREEN SIZE LINES
(6D)	CHARACTER	1	TTPSCSC	SCREEN SIZE COLUMNS
(6E)	CHARACTER	13	TTPATTR (0)	ATTRIBUTE WORK AREA
(6E)	CHARACTER	1	TTPFA	3270 ATTRIBUTE
(6F)	CHARACTER	12	TTPXATTR (0)	EXTENDED ATTRIBUTE WORK AREA

Offset	Туре	Len	Name (Dim)	Description
Hex				
(6F)	CHARACTER	1	TTPCOL	COLOUR ATTRIBUTE
(70)	CHARACTER	1	TTPPSS	PSS ATTRIBUTE
(71)	CHARACTER	1	TTPHL	HIGHLIGHT ATTRIBUTE
(72)	CHARACTER	1	TTPVAL	VALIDATION ATTRIBUTE
(73)	CHARACTER	1	TTPOUTLN	OUTLINE ATTRIBUTE
(74)	CHARACTER	1	TTPSOSI	SOSI ATTRIBUTE
(75)	CHARACTER	1	TTPBKTRN	BACKGROUND TRANSPARENCY ATTR
(76)	CHARACTER	5		RESERVED
(7B)	CHARACTER	12	TTPTXAT (0)	EXTENDED ATTRIBUTE WORK AREA FOR TEXT BUILD
(7B)	CHARACTER	1	TTPTCOL	COLOUR ATTRIBUTE (TEXT BUILD)
(7C)	CHARACTER	1	TTPTPSS	PSS ATTRIBUTE (TEXT BUILD)
(7D)	CHARACTER	1	TTPTHL	HIGHLIGHT ATTRIBUTE(TEXT BUILD)
(7E)	CHARACTER	1	TTPTOUTL	OUTLINE ATTRIBUTE (TEXT BUILD)
(7F)	CHARACTER	1	TTPTBKTR	BACKGROUND TRANSPARENCY ATTRIBUTE (TEXT BUILD)
(80)	CHARACTER	7		RESERVED
(87)	BITSTRING	1	TTPIND05	TTP INDICATOR FIVE
	1		TTPPGPGB	"X'80" PAGE BUILD ON THIS LDC/PARTN
	.1		TTPPGTXB	"X'40" TEXT BUILD ON THIS LDC/PARTN
	1		TTPPGNSC	"X'20" SEND COMMAND OTHER THAN SEND CONTROL ON THIS PAGE
	1		TTP16BIT	"X'10" PAGE HAS 14- OR 16-BIT SBAS
	1		TTPFF	"X'08" FORM FEED REQUESTED
	1		TTPATSKP	"X'04" NO ATTR FOR TEXT PRINTER
	1.		TTPNOSC	"X'02" REMOVE SO / SI CHARS IN DATA
	1		TTPKA	"X'01'" KATAKANA TERMINAL
(88)	CHARACTER	1	TTPOPPID	PID OF OUTPUT PARTITION
(89)	CHARACTER	2	TTPAPNM	NAME OF ACTIVE PARTITION
(8B)	CHARACTER	1	TTPAPID	PID OF ACTIVE PARTITION
(8C)	CHARACTER	4	TTPMGMSR	MAGNETICS MSR VALUE
(90)	CHARACTER	8	TTPSFGNM	NAME OF SELECTED FORMAT GROUP FOR THIS PARTITION
(98)	CHARACTER	12	TTPSAVXR	TEMPORARY WORK AREA FOR DFHM32
(A4)	CHARACTER	12	TTPSAVX2	TEMPORARY WORK AREA FOR DFHM32
(B0)	DBL WORD	8	TTPCMEND (0)	END COMMON CONTROL AREA
` '			(-)	

THE REMAINING SECTION OF THE TTP REPEATS ITSELF WHENEVER ADDITIONAL ADDRESS SPACE IS ACQUIRED TO CONTINUE THE ROUTE LIST FOR THAT TERMINAL TYPE

REPEATED ROUTE LIST AREA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHTTPRE	DUMMY SECTION PART 2 - TTP
(0)	CHARACTER	8	TTPRCBID	TTP SELF IDENTIFICATION, SET TO 'DEHTTPDS' WHEN TTPRE CREATED
(8)	ADDRESS	4	TTPRLCHA	ADDRESS OF NEXT ROUTE LIST SEGMENT
(-)	11		TTPRL	"*" START OF ROUTE LIST
	1		RLENTRY	"8" NUMBER OF TCTTE ADDRESSES IN 1 SEGMENT OF ROUTE LIST
	11		TTPRLES	"*" ROUTE LIST ENTRY START
(C)	ADDRESS	4	TTPTCTTE	TCTTE ADDRESS IF NOT REMOTE TERMINAL A(SKELETON TCTTE) OTHERWISE
(10)	BITSTRING	1	TTPLDCCD	LOGICAL DEVICE CODE (LDC)
(11)	CHARACTER	2	TTPLDMNM	LDC MNEMONIC
(13)	BITSTRING	1	TTPRETYP	ROUTE ENTRY TYPE
	1		TTPREREM	"X'80" REMOTE TERMINAL
(14)	CHARACTER	3	TTPOPID	OPERATOR IDENTIFICATION
(17)	BITSTRING	1	TTPSF	PAGING STATUS FLAG ONLY
	1		TTPSFPG	"TCTTEPGP" PAGING STATUS
REMA	INING BIT VALUES I	N 'TTPSF' U	NAVAILABLE	
(18)	CHARACTER	8	TTPDSN	DESTINATION NAME
	1		TTPRLEE	"*" ROUTE LIST ENTRY END
	1 .1		TTPRLEL	"TTPRLEE-TTPRLES" ROUTE LIST ENTRY LENGTH
(20)	BITSTRING	4	TTPSEEND	SINGLE ENTRY STOPPER
(C)	CHARACTER		(0)	ROUTE LIST
(AC)	BITSTRING	4	TTPRLEND	ROUTE LIST STOPPER
	11 11		TTPLENSE	"(TTPCMEND-TTPSTRT)+(TTPRLEE-DFHTTPRE)+L'TTPSEEND" LENGTH OF SINGLE
(1.0)			TT0: 51:	ENTRY TTP
(AC)			TTPLEN	"(TTPCMEND-TTPSTRT)+(*-DFHTTPRE)" LENGTH OF TTP
DE		SUFFIX (DI	DS)/MAP SET SUFFIX	((MSS) EQUATES
	111		DSCRLP	"C'A'" CRLP - DEVICE DEPEND SUFFIX
	111		MSCRLP	"C'A'" MAP SET SUFFIX
	111.		DSTAPE	"C'B'" TAPE - DEVICE DEPEND SUFFIX
	111.		MSTAPE	"C'B" MAP SET SUFFIX
	1111		DSDISK	"C'C" DISK - DEVICE DEPEND SUFFIX
	1111		MSDISK	"C'C" MAP SET SUFFIX
	111		DSTWX	"C'D" TWX - DEVICE DEPEND SUFFIX
	111		MSTWX	"C'D" MAP SET SUFFIX
	111.1		DS1050	"C'E" 1050 - DEVICE DEPEND SUFFIX
	111.1		MS1050	"C'E" MAP SET SUFFIX
	1111.		DSF22601	"C'S" RESERVED
	1111.		MSF22601	"C'S" RESERVED
	11111		DSF22602	"C'T" RESERVED
	11111		MSF22602	"CT" RESERVED

Offset Hex	Туре	Len N	lame (Dim)	-	Description
	1111.		DS2740		"C'F" 2740 WO/BUFFRECV-DEVICE DEPEND SUFFIX
	1111.		MS2740		"C'F" 2740 WO/BUFFRECV-MAP SET SUFFIX
	11 1		DS2740BR		"C'H"" 2740 W/BUFFRECV-DEVICE DEPEND SUFFIX
	1111.		MS2740BR		"C'F" MAP SET SUFFIX
	11111		DS2741		"C'G'" 2741 - DEVICE DEPEND SUFFIX
	11111		MS2741		"C'G'" MAP SET SUFFIX
	11 11		DS2770		"C'I'" 2770 - DEVICE DEPEND SUFFIX
	11 11		MS2770		"C'I'" MAP SET SUFFIX
	11.11		DS2780		"C'J"" 2780 - DEVICE DEPEND SUFFIX
	11.11		MS2780		"C'J"" MAP SET SUFFIX
	11.1 1		DS2980M4		"C'Q'" 2980 MOD 4 - DEVICE DEPEND SUFFIX
	11.1 11		MS2980M4		"C'R'" MAP SET SUFFIX
	11.1 1		DS2980		"C'Q'" 2980 - DEVICE DEPEND SUFFIX
	11.1 1		MS2980		"C'Q'" MAP SET SUFFIX
	11.1 .1.1		DS327PM1		"C'N"" 3270-1 PRINTER - DEVICE DEPEND SUFFIX
	11.1 .1.1		MS327PM1		"C'N"" DEVICE DEPEND SUFFIX
	11.1 .11.		DS327PM2		"C'O'" 3270-2 PRINTER - DEVICE DEPEND SUFFIX
	11.1 .11.		MS327PM2	,	"C'O'" MAP SET SUFFIX
	11.111		DS3270M1		"C'L' 3270 MOD 1 - DEV DEP SUFFIX
	11.111		MS3270M1		"C'L' MAP SET SUFFIX
	11.1 .1		DS3270M2		"C'M"" 3270 MOD 2 - DEV DEP SUFFIX
	11.1 .1		MS3270M2	,	"C'M" MAP SET SUFFIX
	1111		DS3601		"C'U"" 3601 - DEVICE DEPEND SUFFIX
	1111		MS3601	,	"C'U"" MAP SET SUFFIX
	111. 11		DS327PHC		"C'Z"" 3650/3275HC PRINTER - DEVICE DEPEND SUFFIX
	111. 11		MS327PHC		"C'Z"" MAP SET SUFFIX
	111111		DS3270HC		"C'X"" 3650/3270HC - DEVICE DEPEND SUFFIX
	111111		MS3270HC		"C'X"" MAP SET SUFFIX
	11111.		DS3650UP		"C'W" 3650UP - DEVICE DEPEND SUFFIX
	11111.		MS3650UP		"C'W'" MAP SET SUFFIX
	1111.1		DS3653		"C'V"" 3653 - DEVICE DEPEND SUFFIX
	1111.1		MS3653		"C'V" MAP SET SUFFIX
	11.11.		DS3780		"C'K" 3780 - DEVICE DEPEND SUFFIX
	11.11.		MS3780	'	"C'K" MAP SET SUFFIX
	11.1 .111		DSINTLU		"C'P"" INT LU DEVICE DEPEND SUFFIX
	11.1 .111		MSINTLU		"C'P" MAP SET SUFFIX
	111. 1		DSBCHLU		"C'Y"" BCH LU DEVICE DEPEND SUFFIX
	111. 1		MSBCHLU	,	"C'Y" MAP SET SUFFIX

User exit file and dataset information **UEFD**

```
CONTROL BLOCK NAME = DFHUEFDS
DESCRIPTIVE NAME = CICS User Exit File and Dataset Information
FUNCTION =
     This DSECT maps the information provided by File Control
     to the FCFS User Exits
    XFCSREQ - Global User Exit called before the File Control
           request.
equest has been processed.
    XFCSREQC- Global User Exit called after the File Control
     DFHFCFS supplies the information for this DSECT before
     the global User Exits around File Open, Close, Enable
     and Disable are called.
     The information provided is valid for a single invocation
     of the exit only.
LOCATION =
    The content of parameter UEPFINFO passed from DFHFCFS
    on the Exit calls, is the address of this control block.
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None.
   User Exit File Information Control Block
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHUEFDS	
(0)	CHARACTER	8	UEFLNAME	File Name
(8)	CHARACTER	44	UEDSNAME	Data Set Name
This	byte contains the ser	vreq settings	s for the File	
(34)	BITSTRING	1	UEFSERV	Servreqs Indicator
	11 .1		UEFDSRI	"UEFSERV" Read Indicator
	1		UEFRDIM	"X'80" Read Valid
	11 .1		UEFDSUPD	"UEFSERV" Read Update Indicator
	1		UEFUPDIM	"X'20" Update Valid
	11 .1		UEFDSADD	"UEFSERV" Write New Record Indicator
	1		UEFADDIM	"X'10" Add Valid
	11 .1		UEFDSDI	"UEFSERV" Deletion Validity Indicator
	1		UEFDELIM	"X'08'" Delete Valid
	11 .1		UEFBRWSE	"UEFSERV" Browse Validity Indicator
	1.		UEFBRZIM	"X'02'" Browse Valid
Flags	s indicating Automatic	Journalling	and Logging Option	3
(35)	BITSTRING	1	UEFDSJL	Journalling and Logging Indicator
(55)	11 .1.1		UEFDSJRO	"UEFDSJL" Journal Read Only Indicator
	1		UEFJRO	"X'80" Journal Read Only
	11 .1.1		UEFDSJRU	"UEFDSJL" Journal Read for Update Ind
	.1		UEFJRU	"X'40" Journal Reads for Update
	11 .1.1		UEFDSJWU	
	1		UEFJWU	"UEFDSJL" Journal Write Updates Ind
	11 .1.1			"X'20" Journal Write Updates
	1		UEFDSJWA	"UEFDSJL" Journal Write Adds Indicator
	1 .1.1		UEFJWA	"X'10" Journal Write Adds
	1		UEFDSJDS	"UEFDSJL" Dsname has been Journalled Ind
			UEFJDSN	"X'08" Dsname has been Journalled
	11 .1.1		UEFDSJSY	"UEFDSJL" Synchronous Reads Journal Ind
	1		UEFJSYN	"X'04" Synchronous Reads Journal
	11 .1.1		UEFDSJAS	"UEFDSJL" Asynchronous Writes Jrnl Ind
	1.		UEFJASY	"X'02" Asynchronous Writes Journal
A fur	ther automatic Journa	alling Option	(VSAM only)	
(36)	BITSTRING	1	UEFDSVJL	VSAM Journalling Indicator
	.1		UEFJWAC	"X'40" Write Add Complete
Journ	nal to be used for Aut	omatic Jour	nalling	
(37)	BITSTRING	1	UEFDSJID	User Journal Id
Acce	ss Method Indicator			
(38)	BITSTRING	1	UEFDSACC	Access Method
	1		UEFVSAM	"X'80'" Vsam
	.1		UEFBDAM	"X'40" Bdam
Reco	overy Attributes of Bas	se Cluster		
(39)	BITSTRING	1	UEFBCRV	Recovery Attrs of Base Cluster
(00)	1	•	UEFBCFR	"X'20" Forward Recovery
	1		UEFBCLOG	"X'10" Logging
	1		UEFBCVAL	"X'08" Valid Flag for Recovery Attrs
			JLI DOVILE	7.00 Talid Flag for Noodvory 7 Mile

Offset Hex	Туре	Len	Name (Dim)	Description			
The F defini assoc VSAN Logst Wher File d Numb This i is bei follow (1) F	The following two fields identify the Forward Recovery Log The Forward Recovery Log may be specified on the CICS File definition (FCTE) or on the IDCAMs dataset definition for the associated sphere(VSAM Catalog). Where both are specified, the VSAM Catalog takes precedence and only the 26 character Logstream name from the catalog is passed to the User Exit. Where the Forward Recovery Log is only specified on the CICS File definition the 2 character log id is passed to the exit. Number of the Journal to be used for Forward Recovery (if any) This is the Forward Recovery Log Id from the FCTE if the FCTE is being used to set the FR Log. Zero will be passed in the following cases: (1) Forward Recovery not specified (2) The VSAM Catalog has been used to specify the log name						
(3A) (3B)	BITSTRING BITSTRING	1 1	UEFFRLOG	Forward Recovery Log Id Reserved			
This i Blank (1) F	Name of the Log to be used for Forward Recovery (if any) This is the Forward Recovery Log name from the VSAM Catalog Blanks will be passed in the following cases: (1) Forward Recovery not specified (2) The VSAM Catalog hasn't been used to specify the log name						
(3C) (56)	CHARACTER CHARACTER	26 2	UEFFRCLG	FR Log from VSAM Catalog Reserved			
The c		acked decim	he VSAM Sphere Closed nal format where s is the				
(58) (5C)	FULLWORD FULLWORD	4 4	UEFCDATE UEFCTIME	Date of Last Closure(yyyyddds) Time of Last Closure(hhmmssts)			
	ability Status	•	02. 01 <u>.</u>	into or Each order (minimoto)			
(60) (61)	ADDRESS1 CHARACTER	1	UEFBCAS UEFBCUNA	Availability State "X'20" Data set marked unavailable Reserved			
Addre This a	Address of read only copy of ACB This address is only set up when calling the XFCSREQC user exit after the completion of a successful OPEN request. This field contains zero in all other cases.						
(64)	ADDRESS	4	UEFACBCP	Address of copy of ACB			

Task related user exit plist **UEPAR**

MODULE NAME = DFHUEXIT DESCRIPTIVE NAME = CICS USER EXIT MACRO

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHUEPAR	
(0)	ADDRESS	4	UEPEXN	ADDRESS OF EXIT NUMBER
(4)	ADDRESS	4	UEPGAA	ADDRESS OF GLOBAL AREA ((ZERO=NO WORK AREA)
(8)	ADDRESS	4	UEPGAL	ADDRESS OF GLOBAL AREA LENGTH
(C)	ADDRESS	4	UEPCRCA	ADDRESS OF CURRENT RETURN-CODE
(10)	ADDRESS	4	UEPTCA	(reserved)
(14)	ADDRESS	4	UEPCSA	(reserved)
(18)	ADDRESS	4	UEPEPSA	ADDRESS OF REGISTER SAVE AREA FOR USE BY EXIT PROGRAM
(1C)	ADDRESS	4	UEPHMSA	ADDRESS OF SAVE AREA USED FOR HOST MODULE'S REGISTERS
END C	OF RETURN CODE	EQUATES		
	1		UERTPREP	"X'80" PREPARE
	.1		UERTCOMM	"X'40" COMMIT UNCONDITIONALLY
	1		UERTBACK	"X'20" BACKOUT
	1		UERTDGCS	"X'10" LOST TO CICS INITIAL START
	1		UERTDGNK	"X'08" RM SHOULD NOT BE IN-DOUBT
	1		UERTWAIT	"X'04" RM WILL HAVE TO WAIT FOR OUTCOME
	1.		UERTRSYN	"X'02" RESYNC
	1 1		UERTLAST	"X'01" LAST COMMIT/ABORT IN THREAD
	.1		UERTONLY	"X'80" RM IS ONLY UPDATER - TRUE CAN PERFORM SINGLE PHASE COMMIT
			UERTELUW	"X'40" RM IS READ ONLY - TRUE CAN INVOKE RM WITH END LUW CALL.
	1 1		UERFPREP	"4" VOTE-YES
	11		UERFBACK	"8" VOTE-NO "12" VOTE-YES-BUT-DO-NOT-LOG
			UERFNLOG	
	1		UERFDONE	"4" COMMIT/ABORT COMPLETE
	1		UERFHOLD	"8" REMEMBER COMMIT/ABORT
			UERFOK	"4" SINGLE PHASE (UERTONLY): COMMITTED OK
	1 1		UERFBOUT	"8" SINGLE PHASE (UERTONLY): BACKED OUT "X'80" END OF THREAD
			UERTEOTR	
	.1		UERTSOTR	"X'40" START OF TASK
	11. .11.		UERTRTTR	"X'82" no longer used "X'42" no longer used
	1		UERTRTST	"4" CALL UNDERSTOOD
	1		UERFEOTR	"X'80" EXTERNAL RESOURCE MANAGER IS
	.1		UERTCONN	
	1		UERTNCON	"X'40" EXTERNAL RESOURCE MANAGER IS NOT
	.1		UERTCORD UERTCIMM	"X'80" CICS Orderly Termination "X'40" CICS Immediate Termination
	1			
	1		UERTCARN	"X'20" CICS ABEND (Retry possible - TCBs Dispatchable)
	1		UERTCABN UERTOPCA	"X'10" CICS ABEND (Retry NOT possible - TCBs Dispatchable)
(20)		4		"X'01" Operator Cancel (Retry NOT possible - TCBs NOT dispatchable) ADDRESS OF LUW-ID
(20)	ADDRESS ADDRESS	4 4	UEPURID UEPTAA	ADDRESS OF TASK AREA
(24)	ADDRESS	4	UEPTAL	ADDRESS OF TASK AREA ADDRESS OF TASK AREA LENGTH
(28)	ADDRESS		UEPEIB	ADDRESS OF CURRENT EIB
(2C) (30)	ADDRESS	4 4	UEPFLAGS	ADDRESS OF FLAGWORD
		4		
(34)	ADDRESS ADDRESS	4	UEPRMSTK UEPUOWDS	ADDRESS OF KERNEL STACK ENTRY ADDRESS OF LU6.2 UNIT OF WORK ID
(38) (3C)	ADDRESS	4	UEPSECFLG	ADDRESS OF LOGIZ UNIT OF WORK ID ADDRESS OF USER SECURITY BLOCK FLAG
(30)		4		
	1		UEPNOSEC	"X'80" SECURITY INACTIVE FOR THIS SYSTEM "X'20" SECURITY ACTIVE FOR THIS SYSTEM
(40)		4	UEPSEC	ADDRESS OF ADDRESS OF USER SECURITY BLOCK
(40)	ADDRESS	4	UEPSECBLK	
(44)	ADDRESS FULLWORD	4 4	UEPRMQUA UEPCALAM	ADDRESS OF RM QUALIFIER ADDRESS OF CALLER AMODE INDICATION BYTE
(48)	1	4		
(40)	ADDRESS	4	UEPCAM31 UEPSYNCA	"X'80" INDICATES ORIGINAL CALLER WAS AMODE 31 ADDRESS OF PARMS PASSED TO SYNC PT.
(4C)	1	4	UEPSYNCA	"X'80" RM UNDERSTANDS SINGLE UPDATER PROTOCOL
	.1			"X'40" RM UNDERSTANDS SINGLE UPDATER PROTOCOL "X'40" RM IS READ ONLY FOR THIS LUW
(50)	ADDRESS	4	UEPREADO UEPTIND	ADDRESS OF CALLER'S TASK INDICATORS
(50)	1	4	UEPTANY	"X'80" DATA LOCATION ANY
	.1		UEPTCICS	"X'40" TASKDATAKEY = CICS
			o to switch to	A 40 INDINDATABLE - 0100

The following indicator is set after a failure to switch to the TCB expected by the TRUE. This is used only when the caller is Sync-Point or End_of_Task. All other callers are Abended.

,			
	1	UEPTUTCB	"X'20" UNEXPECTED TCB
(50)	CHARACTER	UEPTQR	"C'QR',2" QUASI-REENTRANT (QR) TCB
(50)	CHARACTER	UEPTCO	"C'CO',2" CONCURRENT (CO) TCB
(50)	CHARACTER	UEPTRO	"C'RO',2" RESOURCE_OWNING (RO) TCB
(50)	CHARACTER	UEPTFO	"C'FO',2" FILE_OWNING (FO) TCB
(50)	CHARACTER	UEPTSZ	"C'SZ',2" FEPI (SZ) TCB
(50)	CHARACTER	UEPTRP	"C'RP',2" RP MODE TCB
(50)	CHARACTER	UEPTL8	"C'L8',2" AN OPEN TCB
(50)	CHARACTER	UEPTSO	"C'SO',2" SOCKETS TCB
(50)	CHARACTER	UEPTSL	"C'SL',2" SOCKETS LISTENER TCB
(50)	CHARACTER	UEPTS8	"C'S8',2" SSL TCB

Offset Hex	Туре	Len	Name (Dim)	Description
(50)	CHARACTER		UEPTJ8	"C'J8',2" A JAVA TCB
(50)	CHARACTER		UEPTJS	"C'JS',2" JOBSTEP TCB
(54)	ADDRESS	4	UEPPBTOK	ADDRESS OF CALLER'S PB TOKEN
(58)	ADDRESS	4	UEPTRCE	Address of trace flag byte
	1		UEPTRLV1	"X'80" RMI Level 1 trace active
	.1		UEPTRLV2	"X'40" RMI Level 2 trace active
(5C)	FULLWORD	4	UEPRMEND (0)	END of TYPE=RM Plist
	.1.1 11		UEPRMLEN	"UEPRMEND-UEPEXN"Length of TYPE=RM Plist
			IS RELATE TO THE OBJECT AGS, NOT TO UEPFLAGS ITSELF.	
			UEF0OFFS	"0" FIRST BYTE
FIR	RST BYTE IS RESERV	/ED FOR C	ICS/VS 1.5 COMPATIBILITY	
	1		UEF1OFFS	"1" SECOND BYTE
	1.		UEF2OFFS	"2" THIRD BYTE
	1.		UEFDTASK	"UEF2OFFS" BYTE-DISPL = 2
	111		UEFPTASK	"7" BIT-POSITN = 7
	1		UEFMTASK	"X'01" BIT-MASK
	1.		UEFDCTER	"UEF2OFFS" BYTE-DISPL = 2
	1.1		UEFPCTER	"5" BIT-POSITION = 5
	1		UEFMCTER	"X'04'" BIT-MASK
	1.		UEFDFEDF	"UEF2OFFS" BYTE-DISPL = 2
	11		UEFPFEDF	"3" BIT-POSITION = 3
	1		UEFMFEDF	"X'10" BIT-MASK
	11		UEF3OFFS	"3" FOURTH BYTE
	11		UEFDSPI	"UEF3OFFS" BYTE-DISPL = 3
	11.		UEFPSPI	"6" BIT-POSITN = 6
	1.		UEFMSPI	"X'02" BIT-MASK
	11		UEFDAPPL	"UEF3OFFS" BYTE-DISPL = 3
	1.1		UEFPAPPL	"5" BIT-POSITN = 5
	1		UEFMAPPL	"X'04'" BIT-MASK
	11		UEFDSYNC	"UEF3OFFS" BYTE-DISPL = 3
	11		UEFPSYNC	"3" BIT-POSITN = 3
	1		UEFMSYNC	"X'10" BIT-MASK

DUMMY SECTION FOR ROUTING FLAGS

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHUEFLG	
(0)	BITSTRING	4		

DUMMY SECTION FOR ROUTING ARGUMENT

Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0) (1)	BITSTRING BITSTRING1111111.	1 1	DFHUERTR UERTFGP UERTFID UERTAPPL UERTAPI UERTAPI UERTSPI UERTSYNC UERTTASK UERTCTER	FUNCTION GROUP ORIGIN-IDENTIFIER "31-(UEFDAPPL"8+UEFPAPPL)" FROM API "UERTAPPL" FROM API "UERTAPPL" FROM API "31-(UEFDSPI"8+UEFPSPI)" FROM SPI "31-(UEFDSYNC"8+UEFPSYNC)" FROM SP-MGR "31-(UEFDTASK'8+UEFPTASK)" FROM TASK-MGR "31-(UEFDCTER"8+UEFPCTER)" FROM CICS-TERMINATION
(2) (3) (4)	111 BITSTRING BITSTRING ADDRESS1	1 1 4	UERTFEDF UERTRMSY UERTOPT2 UERTREND (0) UERTRLEN	"31-(UEFDFEDF"8+UEFPFEDF)" FROM CEDF "32" FROM RMSY (NOT FOR RM) EIDOPT2.COPY RESERVED END OF RECURSIVE SECTION "UERTREND-UERTFGP" Length of recursive section
EXITIO	D EQU-LIST - Global L	Jser Exit Nu	XTCIN XTCOUT XTCATT XTCTIN XTCTOUT XDSBWT XDSAWT XLGSTRM XDUREQ XDUCLSE XDUOUT	"1" "2" "3" "4" "5" "6" "7" "8" "9" "10" "11"

Offset Hex	Type		Len	Name (Dim)	Description
i i o x		11		XMEOUT	"12"
	• • • •	11.1		XFCREQ	"13"
		111. 1111		XFCREQC XTSPTOUT	"14" "15"
	1			XGMTEXT	"16"
	1	1		XMNOUT	"17"
	1	1.		XRCINIT	"18"
	1	.1		XRCINPT XICREQ	"19" "20"
	1	.1.1		XICEXP	"21"
	1	.11.		XISLCLQ	"22"
	1	.111		XPCFTCH XPCHAIR	"23" "24"
	1	11		XPCTA	"25"
	1			XPCABND	"26"
	1	1.11 11		XPCREQ	"27" "28"
	1	11.1		XPCREQC XTDREQ	"29"
	1			XTDIN	"30"
	1	1111		XTDOUT	"31"
	1. 1.	1		XTSQRIN XTSQROUT	"32" "33"
	1.			XTSPTIN	"34"
	1.	11		XZCIN	"35"
	1.	.1		XZCOUT XZCATT	"36" "37"
	1.			XZCOUT1	"38"
	1.	.111		XXRSTAT	"39"
	1.			XXDFA	"40"
	1.			XXDFB XXDTO	"41" "42"
	1.	1.11		XSTOUT	"43"
	1.			XDLIPRE	"44"
	1.	11.1 111.		XDLIPOST XFCSREQ	"45" "46"
	1.	1111		XEIIN	"47"
	11			XEIOUT	"48"
	11	1		XALTENF XICTENF	"49" "50"
	11	11		XDTAD	50 "51"
	11	.1		XDTRD	"52"
	11	.1.1		XDTLC	"53"
	11	.11. .111		XSTERM XSRAB	"54" "55"
	11	1		XFCSREQC	"56"
	11	11		XSZBRQ	"57"
	11	1.1. 1.11		XSZARQ XISCONA	"58" "59"
	11	11		XRSINDI	"60"
	11	11.1		XXMATT	"61"
	11	111. 1111		XZIQUE XTSEREQ	"62" "63"
	.1			XTSEREQC	"64"
	.1			XTDEREQ	"65"
	.1 .1	1.		XTDEREQC	"66" "67"
	.1			XICEREQ XICEREQC	"67" "68"
	.1	.1.1		XALCAID	"69"
	.1			XSNON	"70"
	.1 .1			XSNOFF XRMIIN	"71" "72"
	.1	11		XRMIOUT	"73"
	.1			XAKUSER	"74"
	.1 .1	11.11		XFCNREC XFCBFAIL	"75" "76"
	.1			XFCLDEL	"77"
	.1			XFCBOVER	"78"
	.1 .1.1			XFCBOUT XFCVSDS	"79" "80"
	.1.1			XFCQUIS	"81"
	.1.1			XDUREQC	"82"
	.1.1			XFCAREQ	"83"
	.1.1			XFCAREQC XEISPIN	"84" "85"
	.1.1	.11.		XEISPOUT	"86"
	.1.1			XNQEREQ	"87" "00"
	.1.1			XNQEREQC XFAINTU	"88" "89"
	.1.1	1.1.		XBMIN	"90"
	.1.1			XBMOUT	"91"
	.1.1			XBADEACT XLDLOAD	"92" "93"
	.1.1	111.		XLDELETE	"94"
	.1.1			XINDT1	"95"
	.11. .11.			XINDT2 XLGWBC	"96" "97"
					J.

UEPAR Global user exit plist

MODULE NAME = DFHUEXIT DESCRIPTIVE NAME = CICS USER EXIT MACRO

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHUEPAR	
(0)	ADDRESS	4	UEPEXN	ADDRESS OF EXIT NUMBER
(4)	ADDRESS	4	UEPGAA	ADDRESS OF GLOBAL AREA ((ZERO=NO WORK AREA)
(8)	ADDRESS	4	UEPGAL	ADDRESS OF GLOBAL AREA LENGTH
(C)	ADDRESS	4	UEPCRCA	ADDRESS OF CURRENT RETURN-CODE
(10)	ADDRESS	4	UEPTCA	(reserved)
(14)	ADDRESS	4	UEPCSA	(reserved)
(18)	ADDRESS	4	UEPEPSA	ADDRESS OF REGISTER SAVE AREA FOR USE BY EXIT PROGRAM
(1C)	ADDRESS	4	UEPHMSA	ADDRESS OF SAVE AREA USED FOR HOST MODULE'S REGISTERS
(20)	ADDRESS	4	UEPGIND	ADDRESS OF CALLER'S TASK INDICATORS
(- /	1		UEPGANY	"X'80" DATA LOCATION ANY
	.1		UEPGCICS	"X'40" TASKDATAKEY = CICS
(20)	CHARACTER		UEPTQR	"C'QR',2" QUASI-REENTRANT (QR) TCB
(20)	CHARACTER		UEPTCO	"C'CO',2" CONCURRENT (CO) TCB
(20)	CHARACTER		UEPTRO	"C'RO',2" RESOURCE_OWNING (RO) TCB
(20)	CHARACTER		UEPTFO	"C'FO',2" FILE_OWNING (FO) TCB
(20)	CHARACTER		UEPTSZ	"C'SZ',2" FEPI (SZ) TCB
(20)	CHARACTER		UEPTRP	"C'RP',2" RP MODE TCB
(20)	CHARACTER		UEPTL8	"C'L8',2" AN OPEN TCB
(20)	CHARACTER		UEPTSO	"C'SO',2" SOCKETS TCB
(20)	CHARACTER		UEPTSL	"C'SL',2" SOCKETS LISTENER TCB
(20)	CHARACTER		UEPTS8	"C'S8',2" SSL TCB
(20)	CHARACTER		UEPTJ8	"C'J8',2" A JAVA TCB
(20)	CHARACTER		UEPTJS	"C'JS',2" JOBSTEP TCB
(24)	ADDRESS	4	UEPSTACK	ADDRESS OF KERNEL STACK ENTRY
(28)	ADDRESS	4	UEPXSTOR	ADDRESS OF STORAGE FOR XPI PARAMETERS
(2C)	ADDRESS	4	UEPTRACE	ADDRESS OF TRACE FLAG
	1		UEPTRON	"X'80" TRACE FLAG ON
			UERCNORM	"X'00" CONTINUE NORMAL PROCESSING
(30)	HALFWORD	2	UEPPARMS (0)	START OF PARAMETERS UNIQUE TO EACH EXIT ID
XECNE	REC PARAMETERS			

XFCNREC PARAMETERS

Exit specific parameters are:

UEFILE - Address of 8 byte field containing the file name

UEDSETN - Address pointing to a 44 character DSNAME UEPFRCV - Address of file status flag byte Valid values for UEPFRCV are:

UEPFLOG EQU X'01' file log attribute

Valid return codes for XFCNREC are:

UERCNORM EQU X'00' normal(default) - reject mismatch

- open will fail as normal

UERCBYP EQU X'04' bypass request - accept mismatch

- open will continue.

Message DFHFC0998 will be issued.

(30) ADDRESS 4 UEFILE address of 8 character filename	(34)	ADDRESS ADDRESS	4	UEDSETN UEPFRCV	address of 44 character DSDAME address of file status flag byte	

UEPFLOG "X'01" file log attribute

XFCAREQ PARAMETERS

VALID RETURN CODES FOR XFCAREQ ARE:

UERCNORM EQU X'00' NORMAL(DEFAULT) UERCBYP EQU X'04' BYPASS REQUEST UERCPURG EQU X'20' PURGED

(30)	ADDRESS	4	UEPCLPS	ADDRESS OF COMMAND LEVEL PLIST
(34)	ADDRESS	4	UEPFATOK	ADDR OF TOKEN TO PASS TO REQC EXIT
(38)	ADDRESS	4	UEPRCODE	ADDRESS OF COPY OF EIBRCODE
(3C)	ADDRESS	4	UEPRESP	ADDRESS OF COPY OF EIBRESP
(40)	ADDRESS	4	UEPRESP2	ADDRESS OF COPY OF EIBRESP2
(44)	ADDRESS	4	UEPTSTOK	ADDRESS OF TASK TOKEN
(48)	ADDRESS	4	UEPRECUR	ADDRESS OF HALFWORD DEPTH COUNTER

XFCAREQC PARAMETERS

VALID RETURN CODES FOR XFCAREQC ARE:

UERCNORM EQU X'00' NORMAL(DEFAULT)

UERCPURG EQU X'20' PURGED

(30)	ADDRESS	4	UEPCLPS - AS DEFINED ABOVE
(34)	ADDRESS	4	UEPFATOK - AS DEFINED ABOVE
(38)	ADDRESS	4	UEPRCODE - AS DEFINED ABOVE
(3C)	ADDRESS	4	UEPRESP - AS DEFINED ABOVE
(40)	ADDRESS	4	UEPRESP2 - AS DEFINED ABOVE
(44)	ADDRESS	4	UEPTSTOK - AS DEFINED ABOVE
(48)	ADDRESS	4	UEPRECUR - AS DEFINED ABOVE

Offset Hex	Туре	Len	Name (Dim)	Description				
XFCREQ PARAMETERS VALID RETURN CODES FOR XFCREQ ARE: UERCNORM EQU X'00' NORMAL(DEFAULT) UERCBYP EQU X'04' BYPASS REQUEST UERCPURG EQU X'20' PURGED								
(30) (34) (38) (3C) (40) (44) (48) (4C) (50)	ADDRESS	4 4 4 4 4 4 4	UEPFCTOK UEPRSRCE UEPFSHIP	UEPCLPS - AS DEFINED ABOVE ADDRESS OF TOKEN TO PASS TO XFCREQC UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE ADDRESS OF COPY OF EIBRSRCE ADDRESS OF FUNCTION SHIP AREA				
XFCREQC PARAMETERS VALID RETURN CODES FOR XFCREQC ARE: UERCNORM EQU X'00' NORMAL(DEFAULT) UERCPURG EQU X'20' PURGED								
(30) (34) (38) (3C) (40) (44) (48) (4C)	ADDRESS	4 4 4 4 4 4		UEPCLPS - AS DEFINED ABOVE UEPFCTOK - AS DEFINED ABOVE UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSCE - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE				
	REQ PARAMETERS							

Exit specific parameters are:
UEPFSREQ - Address of 2 byte field containing the request

type.
UEPFILE - Address of 8 byte field containing the file name

UEPFINFO - Address pointing to a block containing the file info.
UEPRECUR - Address of halfword recursion level
VALID VALUES FOR UEPFSREQ ARE:

First byte

UEPFSOPN EQU X'01' Open File Request

UEPFSCLS EQU X'02' Close File Request

UEPFSENB EQU X'03' Enable File Request

UEPFSDIS EQU X'04' Disable File Request

UEPFSCAN EQU X'05' Cancel Close File Request

Second byte - meaning depends on type of request

Values for open

UEPFSNOP EQU X'00' Normal Open

UEPFSOFB EQU X'02' Open for backout

Values for close

UEPFSNC EQU X'00' Normal Close

UEPFSCP EQU X'01' Close Pending
UEPFSELM EQU X'02' End of Load Mode Close
UEPFSIMM EQU X'06' Immediate Close

UEPFSICP EQU X'07' Immediate Close Pending UEPFSQU EQU X'08' RLS Quiesce Close

VALID RETURN CODES FOR XFCSREQ ARE:

UERCNORM EQU X'00' NORMAL(DEFAULT) UERCBYP EQU X'04' BYPASS THE FILE CONTROL REQUEST

UERCPURG EQU X'20' PURGED

(30)	ADDRESS	4	UEPFSREQ	ADDRESS OF FILE STATE REQUEST BYTE
	ALUES FOR UEPFS	REQ ARE:		
First byte	е			
	1		UEPFSOPN	"X'01" Open File Request
	1.		UEPFSCLS	"X'02" Close File Request
	11		UEPFSENB	"X'03" Enable File Request
	1		UEPFSDIS	"X'04" Disable File Request
	1.1		UEPFSCAN	"X'05" Cancel Close File Request
	byte - meaning deper	nds on type o	of request	
Values for	or open			
			UEPFSNOP	"X'00'" Normal Open
	1.		UEPFSOFB	"X'02" Open for backout
Values fo	or close			
			UEPFSNC	"X'00'" Normal Close
	1		UEPFSCP	"X'01" Close Pending
	1.		UEPFSELM	"X'02" End of Load Mode Close
	11.		UEPFSIMM	"X'06" Immediate Close
	111		UEPFSICP	"X'07" Immediate Close Pending
	1		UEPFSQU	"X'08" RLS Quiesce Close
(34)	ADDRESS	4	UEPFILE	ADDRESS OF FILE NAME
(38)	ADDRESS	4	UEPFINFO	ADDRESS OF FILE INFORMATION
(3C)	ADDRESS	4		RESERVED
(40)	ADDRESS	4		RESERVED
(44)	ADDRESS	4		RESERVED
(48)	ADDRESS	4		UEPRECUR - AS DEFINED ABOVE

Offset Hex	Туре	Len	Name (Dim)	Description				
Exit spec	XFCSREQC PARAMETERS Exit specific parameters are: UEPFSREQ - Address of 2 byte field containing the request							
UEPFSI	type.							
UEPFIN UEPFSI UEPRE VALID R UERCNO UERCPU VALID V First byte UEPFSO UEPFSO UEPFSO UEPFSO UEPFSO	E - Address of 8 byth IFO - Address pointing RSP - Address of 1 if CUR - Address of hate IETURN CODES FO DRM EQU X'00' NOO' JRG EQU X'20' PUR' ALUES FOR UEPFS	ng to a block of byte field control field control field control field control field control field fiel	containg the file info. aining the response. on level C ARE:					
	byte - meaning depe	nds on type of	f request					
UEPFSC Values for UEPFSN UEPFSC	IOP EQU X'00' Norm OFB EQU X'02' Oper	n for backout al Close Pending	Close					
UEPFSI UEPFSC VALID V	MM EQU X'06' Imme CP EQU X'07' Imme QU EQU X'08' RLS C 'ALUES FOR UEPFS DRM EQU X'00' NOF	diate Close Pe Quiesce Close SRSP ARE:	ending					
UEFSW/ UEFSFA	ARN EQU X'04' WAF IIL EQU X'08' FAILE IND EQU X'10' PENI	RNING D						
(30)	ADDRESS	4		UEPFSREQ - AS DEFINED ABOVE				
(34) (38)	ADDRESS ADDRESS	4 4		UEPFILE - AS DEFINED ABOVE UEPFINFO - AS DEFINED ABOVE				
(3C)	ADDRESS	4	UEPFSRSP	ADDRESS OF RESPONSE TO REQUEST				
VALID V	ALUES FOR UEPFS	SRSP ARE:	HEEGNORM	IIV/OOIII NODMAI				
	1 1		UEFSNORM UEFSWARN UEFSFAIL UEFSPEND	"X'00" NORMAL "X'04" WARNING "X'08" FAILED "X'10" PENDING				
(40) (44) (48)	ADDRESS ADDRESS ADDRESS	4 4 4		RESERVED RESERVED UEPRECUR - AS DEFINED ABOVE				
VALID R	IT PARAMETERS ETURN CODES FO DRM EQU X'00' NOF ARAMETER DEPEN	RMAL(DEFAU						
(30) (34)	ADDRESS ADDRESS	4 4	UEPRSTRT UEPTREQ	ADDRESS OF RESTART TYPE BYTE ADDRESS OF TYPE OF REQUEST				
			DRESSED BY UEPTREQ					
	1		UEUSINIT UEUSTERM	"X'00" INITIALIZATION OF USER RECOVERY "X'80" TERMINATION OF USER RECOVERY				
EQUAT	ES FOR TYPE OF F	RESTART, AD	DRESSED BY UEPRSTRT					
	1		UEPRWARM UEPREMER	"X'00" WARM START "X'01" EMERGENCY RESTART				
VALID R	PT PARAMETERS ETURN CODES FO DRM EQU X'00' NOI YP EQU X'04' BYPA:	RMAL(DEFAU	LT)					
(30)	ADDRESS	4	UEPUOWST UEPLGREC	ADDRESS OF LOC PECORD				
(34) (38)	ADDRESS ADDRESS	4 4	UEPLGLEN	ADDRESS OF LOG RECORD ADDRESS OF FULLWORD CONTAINING LENGTH OF LOG RECORD				
(3C) (40)	ADDRESS ADDRESS	4 4	UEPTAID UEPTRID	ADDRESS OF FOUR BYTE TASK ID ADDRESS OF FOUR BYTE TRANSACTION ID				
(44)	ADDRESS	4	UEPTEID	ADDRESS OF FOUR BYTE TERMINAL ID				
NOTE:		AND UEPTE	S INDICATOR, ADDRESSED BY UEF ID ARE NOT VALID IF THE STATUS					
			UEPUOWAK	"X'00" ACTIVITY KEYPOINT RECORD				
	1 1.		UEPUOWCM UEPUOWBO	"X'01"" UNIT OF WORK COMMITTED "X'02"" UNIT OF WORK BACKED OUT				
	11		UEPUOWIF UEPUOWID	"X'03" UNIT OF WORK WAS STILL IN FLIGHT "X'04" UNIT OF WORK IS IN DOUBT				

Offset Hex	Туре	Len	Name (Dim)	Description
VALID R	Q PARAMETERS RETURN CODES FO ORM EQU X'00' NOF URG EQU X'20' PUR	RMAL(DEFAL		
(30)	ADDRESS	4	UEPICQID	ADDRESS OF 8 BYTE FIELD CONTAINING REQUEST ID ON REQUEST
(34)	ADDRESS	4	UEPICTI	ADDRESS OF 4 BYTE FIELD CONTAINING TERMINAL ID ON REQUEST
(38) (3C)	ADDRESS ADDRESS	4	UEPICTI UEPICRQ1	ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF COPY OF FIRST REQUEST TYPE BYTE
(40)	ADDRESS	4	UEPICRQ2	ADDRESS OF COPY OF SECOND REQUEST TYPE BYTE
(44)	ADDRESS	4	UEPICRT	ADDRESS OF 4 BYTE FIELD CONTAINING EXPIRY TIME OR INTERVAL ON REQUEST
VALID R	P PARAMETERS RETURN CODES FO ORM EQU X'00' NOF URG EQU X'20' PUR	RMAL(DEFAL		
(30)	ADDRESS	4	UEPICE	ADDRESS OF ICE JUST EXPIRED
VALID R UERCNO UERCBY	EQ PARAMETERS RETURN CODES FO ORM EQU X'00' NOF YP EQU X'04' BYPAS URG EQU X'20' PUR	RMAL(CONT SS(IGNORE	NUE PROCESSING)	
(30)	ADDRESS	4		UEPCLPS - AS DEFINED ABOVE
(34)	ADDRESS	4	UEPICTOK	ADDRESS OF TOKEN TO PASS TO XICEREQC
(38) (3C)	ADDRESS ADDRESS	4 4		UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE
(40)	ADDRESS	4		UEPRESP2 - AS DEFINED ABOVE
(44)	ADDRESS	4		UEPTSTOK - AS DEFINED ABOVE
(48) (4C)	ADDRESS ADDRESS	4 4		UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE
VALID R	EQC PARAMETERS RETURN CODES FO ORM EQU X'00' NOF URG EQU X'20' PUR ADDRESS	R XICEREQUE	C ARE: NUE PROCESSING)	UEPCLPS - AS DEFINED ABOVE
(34)	ADDRESS	4		UEPICTOK - AS DEFINED ABOVE
(38)	ADDRESS	4		UEPRCODE - AS DEFINED ABOVE
(3C) (40)	ADDRESS ADDRESS	4		UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE
(44)	ADDRESS	4		UEPTSTOK - AS DEFINED ABOVE
(44) (48)	ADDRESS ADDRESS	4 4 4		UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE
(44) (48) (4C) XICTEI VALID R	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO	4 4 R XICTENF		UEPTSTOK - AS DEFINED ABOVE
(44) (48) (4C) XICTEI VALID R UERCTE UERCNE UERCS	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI	A 4 A 7 R XICTENF A MINAL UNKN MINAL KNOW		UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE
(44) (48) (4C) XICTEI VALID R UERCTE UERCNE UERCS UERCPU	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'08' TERN URG EQU X'20' PUR ADDRESS	A 4 A 7 R XICTENF A MINAL UNKN MINAL KNOW	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN
(44) (48) (4C) XICTEI VALID R UERCTE UERCNE UERCS UERCPU (30) (30)	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'08' TERM URG EQU X'20' PUR ADDRESS CHARACTER	A 4 R XICTENF A MINAL UNKN MINAL KNOW MINAL M	IOWN WN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S "" C'S ' = START COMMAND WITHOUT DATA
(44) (48) (4C) XICTEI VALID R UERCTE UERCNE UERCS UERCPU	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'08' TERN URG EQU X'20' PUR ADDRESS	A 4 R XICTENF A MINAL UNKN MINAL KNOW MINAL M	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN
(44) (48) (4C) XICTEI VALID R UERCTE UERCNI UERCS UERCPU (30) (30) (30)	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'00' TERI URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1	4 4 4 R XICTENF A MINAL UNKN MINAL KNOW IGED 4	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S " C'S ' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA
(44) (48) (4C) XICTEI VALID R UERCTE UERCNI UERCS UERCPU (30) (30) (30) (34)	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'08' TERN URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 .1.1	R XICTENF AMINAL UNKN MINAL KNOW	IOWN WN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY UEPICTY UEPICTN	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S " C'S ' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'.
(44) (48) (4C) XICTEI VALID R UERCTE UERCNI UERCS UERCPU (30) (30) (30)	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'00' TERI URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1	4 4 4 R XICTENF A MINAL UNKN MINAL KNOW IGED 4	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S " C'S ' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y' IF START ISSUED BY TRANSACTION ROUTED TASK.
(44) (48) (4C) XICTEI VALID R UERCTE UERCNI UERCS UERCPU (30) (30) (30) (34)	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'08' TERI VISI EQU X'08' TERI URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 1.1 ADDRESS 111. 1 11.1 1.1	R XICTENF A MINAL UNKN MINAL KNOW GED 4 4	IOWN WN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY UEPICTY UEPICTN UEPICTS UEPICFS UEPICFS UEPICFY UEPICFY	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S" " C'S' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N'.
(44) (48) (4C) XICTEI VALID R UERCTE UERCNI UERCS UERCPI (30) (30) (30) (34) (38)	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'08' TERN URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 1.1 ADDRESS 111. 1 11.1 1.1 ADDRESS	R XICTENF A MINAL UNKN MINAL KNOV MINAL KNOV MINAL KNOV MINAL KNOV 4 4 4	IOWN WN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTY UEPICTY UEPICTN UEPICTN UEPICFS UEPICFS UEPICFS UEPICFS UEPICFN UEPICFN UEPICFN UEPICFN	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S " C'S' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N'. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST
(44) (48) (4C) XICTEI VALID R UERCTE UERCNI UERCS UERCPU (30) (30) (30) (34)	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'08' TERI VISI EQU X'08' TERI URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 1.1 ADDRESS 111. 1 11.1 1.1	R XICTENF A MINAL UNKN MINAL KNOW GED 4 4	IOWN WN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY UEPICTY UEPICTN UEPICTS UEPICFS UEPICFS UEPICFY UEPICFY	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S" " C'S ' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y' IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y' IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N'. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TERMINAL ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TERMINAL ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING ID OF TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS
(44) (48) (4C) XICTEI VALID R UERCTE UERCNI UERCS) (30) (30) (30) (34) (38) (3C) (40) (44)	ADDRESS ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.11.1.1.1 ADDRESS 111. 1 ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS	R XICTENF A MINAL UNKN MINAL KNOW GED 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	IOWN WN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICTR UEPICTY UEPICTY UEPICTN UEPICTS UEPICFS UEPICFY UEPICFY UEPICFT UEPICFT UEPICFT UEPICTR	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S" C'S' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y' IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y' IF START REQUEST WAS FUNCTION SHIPPING INDICATOR. "C'Y" C'Y' IF START REQUEST WAS FUNCTION SHIPPING INDICATOR. "C'N" OTHERWISE 'N'. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TERMINAL ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING ID OF TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS FUNCTION SHIPPED. OTHERWISE BLANKS. ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS
(44) (48) (4C) XICTEI VALID R UERCTE UERCNI UERCS (30) (30) (30) (34) (38) (38)	ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'08' TERN URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 1.1.1 ADDRESS 111. 1 11.1 1.1 ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS	R XICTENF A MINAL UNKN MINAL KNOW	IOWN WN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY UEPICTN UEPICTN UEPICFS UEPICFY UEPICFY UEPICFY UEPICFR UEPICFR UEPICFR UEPICFR UEPICFR UEPICFR UEPICTR	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S " C'S' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y' IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y' IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N'. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TREMINAL ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TO FREMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS FUNCTION SHIPPED. OTHERWISE BLANKS. ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 4 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING SYSID, IF ANY, PASSED TO EXIT OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME RETURNED BY EXIT FOR RETURN
(34) (38) (38) (3C) (44) (48) (47) (30) (30) (30) (34) (38) (36) (37) (38) (38) (38) (38)	ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'08' TERN URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 .1.1 ADDRESS	R XICTENF A MINAL UNKN MINAL KNOW INAL KNOW A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	IOWN WN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY UEPICTN UEPICTN UEPICFS UEPICFY UEPICFN UEPICFN UEPICRN UEPICRN UEPICRN UEPICRTR UEPICTR	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S" " C'S ' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y IF START REQUEST WAS FUNCTION SHIPPING INDICATOR. "C'N" OTHERWISE 'N'. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING ITERMINAL ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING ID OF TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS FUNCTION SHIPPED. OTHERWISE BLANKS. ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING SYSID, IF ANY, PASSED TO EXIT OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME RETURNED BY EXIT FOR RETURN CODE UERCNETN ADDRESS OF 4 BYTE FIELD CONTAINING NETNAME RETURNED BY EXIT FOR RETURN
(30) (30) (34) (38) (3C) (44) (44) (48) (4C) (50)	ADDRESS ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 .1.1 ADDRESS	R XICTENF A MINAL UNKN MINAL KNOW GED 4 4 4 4 4 4 4 4 4 4 4 4 4	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY UEPICTN UEPICTN UEPICFS UEPICFY UEPICFN UEPICFN UEPICRN UEPICTRN UEPICTRN UEPICTRN UEPICTRT UEPICTRT UEPICOTTI UEPICOTTI UEPICSYI UEPICNTO	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S " C'S' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y' F START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y' F START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N'. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TERMINAL ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS FUNCTION SHIPPED. OTHERWISE BLANKS. ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING SYSID, IF ANY, PASSED TO EXIT OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING SYSID, IF ANY, PASSED TO EXIT FOR RETURN CODE UERCNETN ADDRESS OF 8 BYTE FIELD CONTAINING SYSID RETURNED BY THE EXIT FOR RETURN CODE UERCSYSI ADDRESS OF 8 BYTE FIELD CONTAINING SYSID RETURNED BY THE EXIT FOR RETURN CODE UERCSYSI ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, PASSED TO
(30) (30) (34) (38) (3C) (44) (48) (42) (45) (45) (50) (54)	ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'08' TERN URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 .1.1 ADDRESS	R XICTENF A MINAL UNKN MINAL KNOW	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY UEPICTN UEPICTN UEPICFS UEPICFN UEPICFN UEPICFN UEPICRN UEPICRR UEPICTR UEPICTTI UEPICNTI UEPICSYI UEPICSYO	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S " C'S ' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y' IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N'. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TERMINAL ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING ID OF TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS FUNCTION SHIPPED. OTHERWISE BLANKS. ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 4 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME RETURNED BY EXIT FOR RETURN CODE UERCNETN ADDRESS OF 4 BYTE FIELD CONTAINING NETNAME RETURNED BY EXIT FOR RETURN CODE UERCNETN ADDRESS OF 4 BYTE FIELD CONTAINING NETNAME RETURNED BY THE EXIT FOR RETURN CODE UERCSYSI
(34) (48) (48) (48) (48) (48) (48) (48) (4	ADDRESS ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'08' TERM URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 1.1 ADDRESS 111. 1 11.1 1.1 ADDRESS	R XICTENF, MINAL UNKN MINAL KNOW (SED) 4 4 4 4 4 4 4 4 4 4 4 4 4	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICESD UEPICTR UEPICTY UEPICTN UEPICTN UEPICFS UEPICFN UEPICFN UEPICFN UEPICRN UEPICTRN UEPICNTI UEPICNTI UEPICSYI UEPICNNO UEPICNNI UEPICNNO ARE:	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S" " C'S' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y' IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N'. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y' IF START REQUEST WAS FUNCTION SHIPPING INDICATOR. "C'Y" C'Y' IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N'. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING IT FINANSING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS FUNCTION SHIPPED. OTHERWISE BLANKS. ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME RETURNED BY EXIT FOR RETURN CODE UERCNETN ADDRESS OF 4 BYTE FIELD CONTAINING SYSID, IF ANY, PASSED TO EXIT OR RETURN CODE UERCSYSI ADDRESS OF 8 BYTE FIELD CONTAINING SYSID RETURNED BY THE EXIT FOR RETURN CODE UERCSYSI ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, PASSED TO EXIT, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, RETURNED BY
(34) (48) (48) (47) (48) (48) (48) (40) (41) (41) (48) (40) (44) (48) (40) (44) (48) (50) (54) (58) (50) XALTE VALID R UERCTE UERCRI U	ADDRESS ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'08' TERN URG EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 .1.1 ADDRESS	R XICTENF, MINAL UNKN MINAL KNOW (SED) 4 4 4 4 4 4 4 4 4 4 4 4 4	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICTR UEPICTY UEPICTY UEPICTN UEPICFS UEPICFN UEPICFN UEPICFN UEPICRTR UEPICTR UEPICTR UEPICTR UEPICTR UEPICTR UEPICATR UEPICATO UEPICATO UEPICANO ARE: IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPALEVT	UEPTSTOK - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S" "C'S' = START COMMAND WITHOUT DATA "C'SD"" C'SD' = START COMMAND WITH DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE IN. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE IN. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TOF TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING ID OF TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS FUNCTION SHIPPED. OTHERWISE BLANKS. ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING SYSID, IF ANY, PASSED TO EXIT OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME RETURNED BY EXIT FOR RETURN CODE UERCNETN ADDRESS OF 8 BYTE FIELD CONTAINING SYSID RETURNED BY THE EXIT FOR RETURN CODE UERCSYSI ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, PASSED TO EXIT, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, RETURNED BY EXIT, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, RETURNED BY EXIT, OR BLANKS
(34) (48) (48) (48) (48) (48) (48) (48) (4	ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS NF PARAMETERS RETURN CODES FO EUN EQU X'00' TERI ETN EQU X'04' TERI YSI EQU X'20' PUR ADDRESS CHARACTER CHARACTER ADDRESS 111. 1 11.1 1.1 ADDRESS 111. 1 ADDRESS	R XICTENFA MINAL UNKN MINAL KNOW IINAL KNOW GED 4 4 4 4 4 4 4 4 4 4 4 4 4	IOWN VN, NETNAME RETURNED N, SYSID RETURNED UEPICEVT UEPICES UEPICTR UEPICTY UEPICTY UEPICTN UEPICFS UEPICFS UEPICFS UEPICFS UEPICFT UEPICTR UEPICTR UEPICTR UEPICTR UEPICTR UEPICATR UEPICATR UEPICATR UEPICATR UEPICATO UEPICATO UEPICATO UEPICATO UEPICANO ARE: IOWN VN, NETNAME RETURNED N, SYSID RETURNED	UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE ADDRESS OF 2 BYTE FIELD CONTAINING REASON FOR EXIT BEING DRIVEN "C'S" C'S' = START COMMAND WITHOUT DATA "C'SD" C'SD' = START COMMAND WITHOUT DATA ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR. "C'Y" C'Y IF START ISSUED BY TRANSACTION ROUTED TASK. "C'N" OTHERWISE 'N. ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR. "C'Y" C'Y IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N. ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TO TERMINAL ID ON REQUEST ADDRESS OF 4 BYTE FIELD CONTAINING TO TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS FUNCTION SHIPPED. OTHERWISE BLANKS. ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 4 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING SYSID, IF ANY, PASSED TO EXIT OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING SYSID RETURNED BY THE EXIT FOR RETURN CODE UERCSYSI ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, PASSED TO EXIT, OR BLANKS ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, RETURNED BY EXIT, OR BLANKS

Offset Hex	Туре	Len	Name (Dim)	Description
(34)	ADDRESS	4	UEPALTR	ADDRESS OF 1 BYTE FIELD CONTAINING TRANSACTION ROUTING INDICATOR (START COMMANDS ONLY)
	111. 1		UEPALTY	"C'Y" C'Y' IF START ISSUED BY TRANSACTION ROUTED TASK.
(38)	11.1 .1.1 ADDRESS	4	UEPALTN UEPALFS	"C'N" OTHERWISE 'N'. 'N' FOR TD ADDRESS OF 1 BYTE FIELD CONTAINING FUNCTION SHIPPING INDICATOR, (START
()				COMMANDS ONLY)
	111. 1 11.1 .1.1		UEPALFY UEPALFN	"C'Y" C'Y' IF START REQUEST WAS FUNCTION SHIPPED. "C'N" OTHERWISE 'N'. 'N' FOR TD.
(3C)	ADDRESS	4	UEPALTRN	ADDRESS OF 4 BYTE FIELD CONTAINING TRANSACTION ID ON REQUEST
(40)	ADDRESS	4	UEPALRTR	ADDRESS OF 4 BYTE FIELD CONTAINING TERMINAL ID ON REQUEST
(44)	ADDRESS	4	UEPALCTR	ADDRESS OF 4 BYTE FIELD CONTAINING ID OF TERMINAL RUNNING THE TASK IF THE COMMAND WAS TRANSACTION ROUTED. ID OF THE SESSION IF THE COMMAND WAS
				FUNCTION SHIPPED. OTHERWISE BLANKS.
(48)	ADDRESS	4	UEPALNTI	ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME OF SYSID, IF THERE IS A SYSID, OR BLANKS
(4C)	ADDRESS	4	UEPALSYI	ADDRESS OF 4 BYTE FIELD CONTAINING SYSID, IF ANY, PASSED TO EXIT OR BLANKS
(50)	ADDRESS	4	UEPALNTO	ADDRESS OF 8 BYTE FIELD CONTAINING NETNAME RETURNED BY EXIT FOR RETURN
(54)	ADDRESS	4	UEPALSYO	CODE UERCNETN ADDRESS OF 4 BYTE FIELD CONTAINING SYSID RETURNED BY THE EXIT FOR
. ,				RETURN CODE UERCSYSI
(58)	ADDRESS	4	UEPALNNI	ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, PASSED TO EXIT, OR BLANKS
(5C)	ADDRESS	4	UEPALNNO	ADDRESS OF 8 BYTE FIELD CONTAINING TERMINAL NETNAME, IF ANY, RETURNED BY
				EXIT, OR BLANKS
VALID R	AID PARAMETERS EETURN CODES F ORM EQU X'00' N	OR XALCAID A	•	
(30)	ADDRESS	4	UEPALTSD	A four-byte field containing the symbolic identifier of the transaction which was to be started by
(2.4)	ADDRESS	4	UEPALTRM	this request.
(34)	ADDRESS	4	UEPALIRIVI	A four-byte field containing the identifier of the terminal or connection to which this request was directed.
(38)	ADDRESS	4	UEPALDAT	Either the address of an area of storage containing the data specified in the FROM option of
				the START command which led to the creation of this request; or zero if the FROM option was not specified.
(3C)	ADDRESS	4	UEPALLEN	A fullword binary value containing the length of the FROM data; or zero if the FROM option
(40)	ADDRESS	4	UEPALRQD	was not specified. An eight-byte field containing the value of the REQID associated with the FROM data. The
(40)	ADDITEGO	7	OLI ALINGD	data was stored in a temporary storage queue with this name. This value was either specified
(44)	ADDRESS	4	UEPALQUE	explicitly using the REQID option on the START command, or created internally by CICS.
(44)	ADDRESS	4	UEPALQUE	An eight-byte field containing the value specified in the QUEUE option on the START command, or hex zeros if QUEUE was not specified.
(48)	ADDRESS	4	UEPALRTE	A four-byte field containing the value specified in the RTERMID option on the START
(4C)	ADDRESS	4	UEPALRTA	command, or hex zeros if RTERMID was not specified. A four-byte field containing the value specified in the RTRANSID option on the START
(1-)				command, or hex zeros if RTRANSID was not specified.
(50)	ADDRESS	4	UEPALFMH	A one-byte field containing the value X'FF' if the data contains FMHs, as specified by the FM option on the associated START command, and X'00' otherwise.
(54)	ADDRESS	4	UEPALSTC	A two-byte field containing the start code. This will be C'SZ' for FEPI starts; otherwise C'SD'.
	SER PARAMETER			
	ETURN CODES F			
	ORM EQU X'00' N	· '	•	ADDRESS OF KEYPOINT TYPE BYTE
(30)	ADDRESS	4	UEPAKTYP	
EQUAT		KEYPOINT, AI	DDRESSED BY UEPAKTY	
	1		UEPAKPER UEPAKWSD	"X'00" NORMAL PERIODIC KEYPOINT "X'01" WARM SHUTDOWN KEYPOINT
XTCAT	T PARAMETERS			
VALID R	ETURN CODES F DRM EQU X'00' N		RE:	
(30)	ADDRESS ADDRESS	4 4	UEPTCTTE UEPTIOA	ADDRESS OF TCTTE ADDRESS OF TIOA
(34) (38)	ADDRESS	4	UEPTCTLE	ADDRESS OF TICA ADDRESS OF TCT LINE ENTRY
(3C)	ADDRESS	4		reserved
(40)	ADDRESS	4	UEPTRAN	ADDRESS OF TRANSID
VALID R UERCNO		ORMAL(FORMA	RE: AT TCAM HEADER) TING OF TCAM HEADER	
(30)	ADDRESS	4		UEPTCTTE - AS DEFINED ABOVE
(34)	ADDRESS	4		UEPTIOA - AS DEFINED ABOVE
(38)	ADDRESS	4		UEPTCTLE - AS DEFINED ABOVE
	OUT PARAMETER: ETURN CODES F		ARE:	
UERCNO	ORM EQU X'00' N	ORMAL(FORMA	AT TCAM HEADER)	
			ING OF TCAM HEADER	
(30) (34)	ADDRESS ADDRESS	4 4		UEPTCTTE - AS DEFINED ABOVE UEPTIOA - AS DEFINED ABOVE
(34)	ADDRESS	4		UEPTCTLE - AS DEFINED ABOVE

Offset Hex	Туре	Len	Name (Dim)	Description
VALID F	PARAMETERS RETURN CODES I ORM EQU X'00' N		E:	
(30) (34) (38)	ADDRESS ADDRESS ADDRESS	4 4 4		UEPTCTTE - AS DEFINED ABOVE UEPTIOA - AS DEFINED ABOVE UEPTCTLE - AS DEFINED ABOVE
VALID F	JT PARAMETERS RETURN CODES I ORM EQU X'00' N	FOR XTCOUT A	ARE:	
(30) (34) (38)	ADDRESS ADDRESS ADDRESS	4 4 4		UEPTCTTE - AS DEFINED ABOVE UEPTIOA - AS DEFINED ABOVE UEPTCTLE - AS DEFINED ABOVE
VALID F	PARAMETERS RETURN CODES I ORM EQU X'00' N		E:	
(30) (34)	ADDRESS ADDRESS	4 4		UEPTCTTE - AS DEFINED ABOVE UEPTIOA - AS DEFINED ABOVE
VALID F	JT PARAMETERS RETURN CODES I ORM EQU X'00' N	FOR XZCOUT A	ARE:	
(30) (34)	ADDRESS ADDRESS	4 4		UEPTCTTE - AS DEFINED ABOVE UEPTIOA - AS DEFINED ABOVE
VALID F	JT1 PARAMETER RETURN CODES I ORM EQU X'00' N	OR XZCOUT1	ARE:	
(30) (34)	ADDRESS ADDRESS	4 4		UEPTCTTE - AS DEFINED ABOVE UEPTIOA - AS DEFINED ABOVE
VALID F	TT PARAMETERS RETURN CODES I ORM EQU X'00' N	OR XZCATT A	RE:	
(30) (34) (38) (3C) (40)	ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS	4 4 4 4	UEPTPN UEPTPNL	UEPTCTTE - AS DEFINED ABOVE UEPTIOA - AS DEFINED ABOVE ADDRESS OF TPN ADDRESS OF TPN LENGTH UEPTRAN - AS DEFINED ABOVE
VALID F	EXT PARAMETER RETURN CODES I ORM EQU X'00' N URG EQU X'20' PI	FOR XGMTEXT ORMAL	ARE:	
(30) (34)	ADDRESS ADDRESS	4 4		UEPTCTTE - AS DEFINED ABOVE UEPTIOA - AS DEFINED ABOVE
VALID F UERCN UERCB	EQ PARAMETERS RETURN CODES I ORM EQU X'00' N YP EQU X'04' BYF URG EQU X'20' PI	FOR XPCREQ A ORMAL(CONTI PASS(IGNORE	NUE PROCESSING)	
(30) (34) (38) (3C) (40) (44) (48) (4C)	ADDRESS	4 4 4 4 4 4	UEPPCTOK	UEPCLPS - AS DEFINED ABOVE ADDRESS OF TOKEN TO PASS TO XPCREQC UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSCE - AS DEFINED ABOVE
VALID F	EQC PARAMETER RETURN CODES I ORM EQU X'00' N URG EQU X'20' P	FOR XPCREQ A ORMAL(CONTI	ARE: NUE PROCESSING)	
(30) (34) (38) (3C) (40) (44) (44) (48) (4C)	ADDRESS	4 4 4 4 4 4		UEPCLPS - AS DEFINED ABOVE UEPPCTOK - AS DEFINED ABOVE UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE
VALID F UERCN UERCB	BND PARAMETER RETURN CODES I ORM EQU X'00' N YP EQU X'04' BYF URG EQU X'20' PI	FOR XPCABND ORMAL(TAKE I PASS(SUPPRES	DUMP)	
(30) (34)	ADDRESS ADDRESS	4 4	UEPPCDS UEPTACB	ADDR OF PROGRAM CONTROL EXITS DSECT ADDRESS OF TACB

Offset Hex	Туре	Len	Name (Dim)	Description
VALID R UERCNO UERCME	CH PARAMETERS ETURN CODES FO DRM EQU X'00' NO EA EQU X'04' ENTF JRG EQU X'20' PUF	RMAL RY POINT HAS		
(30)	ADDRESS	4		UEPPCDS - AS DEFINED ABOVE
VALID R UERCNO UERCPU	IIN PARAMETERS ETURN CODES FC DRM EQU X'00' NO JRG EQU X'20' PUR	RMAL(DEFAU RGED	ILT)	
			UEPTRANID THRU UEPPROG AR	
(30) (34) (38) (3C)	ADDRESS ADDRESS ADDRESS ADDRESS	4 4 4 4	UEPTRANID UEPUSER UEPTERM UEPPROG	ADDRESS OF TRANSACTION ID ADDRESS OF USERID ADDRESS OF TERMINAL ID ADDRESS OF APPLICATION PROGRAM NAME
(40) (40)	HALFWORD ADDRESS 1	2 4	UEPPARMD (0) UEP_TS_FUNCTION UEP_TS_FUN_WRITE UEP_TS_ FUN_REWRITE	END OF COMMON DOMAIN PARAMETERS address of a 1-byte function "X'01" write function "X'02" rewrite function
	11		UEP_TS_ FUN_READ_INTO	
	1		UEP_TS_ FUN_READ_SET	"X'03" read_into function
	1.1		UEP_TS_ FUN_READ_ NEXT_INTO	"X'04" read_set function
	11.		UEP_TS_ FUN_READ_NEXT_SET	"X'05" read_next_into function
(44) (48) (4C)		4 4 4	UEP_TS_ FUN_DELETE UEP_TS_ QUEUE_NAME UEP_TS_DATA_P UEP_TS_DATA_L	"X'06" read_next_into function "X'07" delete function address of 8-character queue name address of fullword data address address of fullword data length
(50) (54)	ADDRESS ADDRESS	4	UEP_TS_ ITEM_NUMBER UEP_TS_ STORAGE_TYPE	address of fullword item number address of 1-byte storage type
	1		UEP_TS_ STORAGE_TYPE_MAIN	"X'01"main
	1.		UEP_TS_ STORAGE_ TYPE_AUX_TST	"X'02"aux (recoverablity from TST)
	11		UEP_TS_ STORAGE_ TYPE_AUX_RECOV_YES	"X'03"aux recoverable
	1		UEP_TS_ STORAGE_ TYPE_AUX_RECOV_NO	"X'04"aux non-recoverable
(58) (5C)	ADDRESS ADDRESS	4 4		A 04 add noisecoverable
VALID R UERCNO	OUT PARAMETER ETURN CODES FO DRM EQU X'00' NO JRG EQU X'20' PUF	R XTSQROU RMAL(DEFAU		
(40) (44)	ADDRESS ADDRESS	4 4		
(48) (4C)	ADDRESS ADDRESS ADDRESS	4 4 4		
(50) (54) (58)	ADDRESS ADDRESS	4 4 4	UEP TS TOTAL ITEMS	address of fullword total items
(5C)	ADDRESS11.	4	UEP_TS_RESPONSE UEP_TS_ RESPONSE_OK UEP_TS_ RESPONSE_ EXCEPTION	address of 1-byte response "X'01"ok response
	11		UEP_TS_ RESPONSE_DISASTER	"X'02"'exception response
	1		UEP_TS_ RESPONSE_INVALID	"X'03" disaster response
	11.		UEP_TS_ RESPONSE_PURGED	"X'04" invalid response
			551 51.5	
				"X'06"purged response
VALID R UERCNO	IN PARAMETERS ETURN CODES FO DRM EQU X'00' NO JRG EQU X'20' PUF	RMAL(DEFAU		"X'06"purged response

Offset	Туре	Len	Name (Dim)	Description
Hex	1.		UEP_TS_ FUN_PUT_REPLACE	
	11		UEP_TS_FUN_GET	"X'02" rewrite function "X'03" read_into function
	1		UEP_TS_ FUN_GET_SET UEP_TS_ FUN_GET_RELEASE	"X'04" read_set function
	11.		UEP_TS_ FUN_GET_	"X'05" read_next_into function
	111		RELEASE_SET	"X'06" read_next_into function
(44) (48)	111 ADDRESS ADDRESS	4 4	UEP_TS_ FUN_RELEASE	"X'07" delete function
(4C)	ADDRESS	4		
(50) (54)	ADDRESS ADDRESS	4 4		
(58) (5C)	ADDRESS ADDRESS	4		
	OUT PARAMETERS ETURN CODES FOR 2	KTSPTOU	T ARF:	
UERCN(UERCPL	ORM EQU X'00' NORM JRG EQU X'20' PURGE	AL(DEFAL ED		
(40) (44)	ADDRESS ADDRESS	4 4		
(48)	ADDRESS	4		
(4C) (50)	ADDRESS ADDRESS	4 4		
(54)	ADDRESS	4		
(58) (5C)	ADDRESS ADDRESS	4		
VALID R	EQ PARAMETERS ETURN CODES FOR S			
UERCB\	ORM EQU X'00' NORM (P EQU X'04' BYPASS)	(IGNORE		
(30)	JRG EQU X'20' PURGE ADDRESS	<u>ال</u>		UEPCLPS - AS DEFINED ABOVE
(34)	ADDRESS	4	UEPTQTOK	ADDRESS OF TOKEN TO PASS TO XTSEREQC
(38) (3C)	ADDRESS ADDRESS	4 4		UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE
(40)	ADDRESS	4		UEPRESP2 - AS DEFINED ABOVE
(44) (48)	ADDRESS ADDRESS	4 4		UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE
(4C)	ADDRESS	4		UEPRSRCE - AS DEFINED ABOVE
VALID R UERCNO	EQC PARAMETERS ETURN CODES FOR 3 DRM EQU X'00' NORM JRG EQU X'20' PURGE	AL(CONTI		
(30)	ADDRESS	4		UEPCLPS - AS DEFINED ABOVE
(34) (38)	ADDRESS ADDRESS	4 4		UEPTQTOK - AS DEFINED ABOVE UEPRCODE - AS DEFINED ABOVE
(3C)	ADDRESS	4		UEPRESP - AS DEFINED ABOVE
(40) (44)	ADDRESS ADDRESS	4 4		UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE
(48)	ADDRESS	4		UEPRECUR - AS DEFINED ABOVE
(4C) XTDRE	ADDRESS Q PARAMETERS	4		UEPRSRCE - AS DEFINED ABOVE
UERCNO	ETURN CODES FOR 3 DRM EQU X'00' NORM DOK EQU X'04' Quit TD	AL(DEFAL	JLT)	
	return "nor NA EQU X'08' Quit TD	mal" to ca	ller	
	return "not- IRG EQU X'20' PURGE	auth" to ca		
(30)	ADDRESS	4	UEPTDQUE	Address of TD queue name
(34) equates	ADDRESS for TD request byte	4	UEPTDTYP	Address of TD request type
	1		UEPTDPUT	"1" PUT request
	1. 11		UEPTDGET UEPTDPUR	"2" GET request "3" PURGE request
VALID R UERCNO	PARAMETERS ETURN CODES FOR 3 DRM EQU X'00' NORM JRG EQU X'20' PURGE	AL(DEFAL		
(30)	ADDRESS	4		UEPTDQUE - as defined above XTDOUT / XTDIN parameters
(34)	ADDRESS	4	UEPTDAUD	Address of unmodified data
(38) (3C)	ADDRESS ADDRESS	4 4	UEPTDLUD UEPTDAMD	Address of length of unmodified data Address of modified data
(40)	ADDRESS	4	UEPTDLMD	Address of length of modified data XTDOUT specific parameters
(44)	ADDRESS	4	UEPTDNUM	Address of #(records)

Offset Hex	Туре	Len	Name (Dim)	Description		
(48)	ADDRESS	4	UEPTDCUR	Address of #(current record)		
VALID R UERCNO	JT PARAMETERS EETURN CODES FOI DRM EQU X'00' NOR DOK EQU X'04' Quit	RMAL(DEFAU	JLT) ng			
	JRG EQU X'20' PUR	GED				
(30) (34) (38) (3C) (40) (44) (48)	ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS	4 4 4 4 4 4		UEPTDQUE - as defined above UEPTDAUD - as defined above UEPTDLUD - as defined above UEPTDAMD - as defined above UEPTDLMD - as defined above UEPTDNUM - as defined above UEPTDNUM - as defined above UEPTDCUR - as defined above		
VALID R UERCNO UERCBY	REQ PARAMETERS RETURN CODES FOI DRM EQU X'00' NOR YP EQU X'04' BYPAS JRG EQU X'20' PUR	MAL(CONTI SS(IGNORE	NUE PROCESSING)			
(30) (34) (38) (3C) (40) (44) (48) (4C) XTDER	ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS	4 4 4 4 4 4 4	UEPTDTOK	UEPCLPS - AS DEFINED ABOVE ADDRESS OF TOKEN TO PASS TO XTDEREQC UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSCE - AS DEFINED ABOVE		
UERCNO	ETURN CODES FOI DRM EQU X'00' NOR JRG EQU X'20' PUR	RMAL(CONTI	C ARE: NUE PROCESSING)			
(30) (34) (38) (3C) (40) (44) (48) (4C)	ADDRESS	4 4 4 4 4 4		UEPCLPS - AS DEFINED ABOVE UEPTDTOK - AS DEFINED ABOVE UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE UEPRSRCE - AS DEFINED ABOVE		
VALID R	OAD PARAMETERS ETURN CODES FOI DRM EQU X'00' NOR					
(40) (44) (48) (4C) (50) (54) (58) (5C)	ADDRESS	4 4 4 4 4 4	UEPPROGN UEPPROGL UEPLDPT UEPENTRY	ADDRESS OF NAME OF LOADED PROGRAM ADDRESS OF UEPPROGN LENGTH RESERVED FOR UEPRECUR ADDRESS OF PROGRAM LOAD POINT ADDRESS OF PROGRAM ENTRY POINT RESERVED RESERVED - XLD7 RESERVED - XLD8		
VALID R	ETE PARAMETERS ETURN CODES FOI DRM EQU X'00' NOR					
XNQEREQ PARAMETERS VALID RETURN CODES FOR XNQEREQ ARE: UERCNORM EQU X'00' NORMAL(CONTINUE PROCESSING) UERCBYP EQU X'04' BYPASS(IGNORE THIS REQUEST) UERCSCPE EQU X'08' SCOPE provided UERCPURG EQU X'20' PURGED						
(30) (34) (38) (3C) (40) (44) (48) (4C)	ADDRESS	4 4 4 4 4 4	UEPNQTOK	UEPCLPS - AS DEFINED ABOVE ADDRESS OF TOKEN TO PASS TO XNQEREQC UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE ADDRESS OF SCOPE NAME		
VALID R UERCNO	REQC PARAMETERS ETURN CODES FOI DRM EQU X'00' NOR JRG EQU X'20' PUR	R XNQEREC	OC ARE: NUE PROCESSING)			
(30) (34) (38) (3C) (40) (44) (48)	ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS	4 4 4 4 4 4		UEPCLPS - AS DEFINED ABOVE UEPNQTOK - AS DEFINED ABOVE UEPRCODE - AS DEFINED ABOVE UEPRESP - AS DEFINED ABOVE UEPRESP2 - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPTSTOK - AS DEFINED ABOVE UEPRECUR - AS DEFINED ABOVE		

Offset Hex	Туре	Len	Name (Dim)	Description
VALID R UERCNO UERCCO UERCAE UERCAE	AT PARAMETERS JETURN CODES FOR SETURN CODES FOR SETURN CODES FOR SETURN COMMENTARY C	AL(TAKE E CICS WI CICS WI	SYSTEM ACTION) THOUT DUMP	
(30)	ADDRESS	4	UEPERRA	ADDRESS OF ERROR DATA
VALID R UERCNO UERCSV UERCAE	N PARAMETERS NETURN CODES FOR S DAC EQU X'00' NO AC WCH EQU X'04' SWITC BNO EQU X'08' ABENE BDU EQU X'0C' ABENE	TION CH TO ALT CICS WI	ERNATE THOUT DUMP	
(30)	ADDRESS	4	UEPDBXR	ADDRESS OF DBCTL XRF INFO
VALID R UERCNO UERCSV UERCAE	B PARAMETERS JETURN CODES FOR I DAC EQU X'00' NO AC WCH EQU X'04' SWITC BNO EQU X'08' ABENE BDU EQU X'0C' ABENE	TION CH TO ALT CICS WI	ERNATE THOUT DUMP	
(30)	ADDRESS	4		UEPDBXR - AS DEFINED ABOVE
VALID R UERCNO UERCSV UERCAE	D PARAMETERS DETURN CODES FOR DETURN CODES FOR DETURN CODES FOR DETURN AND ACCUMENTATION OF THE PROPERTY OF THE PARAMETERS OF THE PARAMETE	TION CH TO ALT CICS WI	ERNATE THOUT DUMP	
(30)	ADDRESS	4		UEPDBXR - AS DEFINED ABOVE
VALID R UERCD1 UERCD1 UERCD1	D PARAMETERS DETURN CODES FOR THE TOP SECURITY TO THE TOP SECURITY TO THE TOP EQUITY TOP EXTENSION TO THE TOP EXECUTE TO TH	record ecord e data tab	le add (SDT only)	
(30)	ADDRESS	4	UEPDTPL	ADDRESS OF DATA TABLE parameter list
VALID R UERCDT UERCDT UERCDT	D PARAMETERS ETURN CODES FOR I FAC EQU X'00' Accept FRJ EQU X'04' Reject r FOP EQU X'08' Optimis FEX EQU X'0C' Extensi	record ecord e data tab	le add (SDT only)	
(30)	ADDRESS	4		UEPDTP - AS DEFINED ABOVE
VALID R UERCD1 UERCD1 UERCD1	PARAMETERS ETURN CODES FOR FOK EQU X'00' OPEN FOL EQU X'04' CLOSE FSH EQU X'08' Shared FEX EQU X'0C' Extensi	OK THE DAT data table	A TABLE/FILE load (SDT only)	
(30)	ADDRESS	4		UEPDTP - AS DEFINED ABOVE
VALID R UERCAC UERCAC UERCAC UERCAC	E PARAMETERS LETURN CODES FOR LUE EQU X'00' Queue PUR EQU X'04' Purge a KLL EQU X'08' Kill queu KLM EQU X'0C' Kill queu LURG EQU X'20' Task p	allocate reallocate reallocate reallocate reallocate reallocate reallocate reallocate reallocate reallocate re	quest quest-sysiderr & issue MSG for modegrp & issue MSG	
(30)	ADDRESS	4	UEPZDATA	ADDRESS OF XZIQUE PARAMETERS
VALID R UERCAC	NA PARAMETERS ETURN CODES FOR 2 QUE EQU X'00' Queue PUR EQU X'04' Purge a	allocate re	quest	
(30)	ADDRESS	4	UEPISPCA	ADDRESS OF XISCONA PARAMETERS
VALID R UERCSY UERCQI UERCIG	LQ PARAMETERS LETURN CODES FOR INTERPRETARY LOUIS EQU X'00' TAKE SY LE EQU X'04' QUEUE LOUIS EQU X'08' IGNORE, LOUIS EQU X'20' PURGI	STEM AC THE REQ RETURN	TION JEST	
(30)	ADDRESS	4	UEPISPP	ADDRESS OF XISLCLQ PARAMETERS
VALID R UERCNO UERCBY	UT PARAMETERS ETURN CODES FOR . DRM EQU X'00' NORM /P EQU X'04' SUPPRE URG EQU X'20' PURGI	AL SS MONIT	ARE: FOR RECORD OUTPUT	

Offset	Туре	Len	Name (Dim)	Description		
Hex (40)	ADDDECC		LIEDDICT	ADDRESS OF DICTIONARY		
(40)	ADDRESS	4	UEPDICT	ADDRESS OF DICTIONARY		
(44)	ADDRESS	4	UEPDICTE	ADDRESS OF DICTIONARY ENTRIES		
(48)	ADDRESS ADDRESS	4	UEPFCL UEPFCLNO	ADDRESS OF FIELD CONNECTOR LIST		
(4C)	ADDRESS	4 4		ADDRESS OF NUMBER OF FIELD CONNECTORS ADDRESS OF MONITORING RECORD TYPE		
(50)		-	UEPMRTYP			
(54)	ADDRESS	4	UEPMRLEN	ADDRESS OF MONITORING RECORD LENGTH		
(58)	ADDRESS	4	UEPMREC	ADDRESS OF MONITORING RECORD		
(5C)	ADDRESS	4	UEPSRCTK	ADDRESS OF WLM SERVICE REPORTING TOKEN		
(60) XSTOL	ADDRESS JT PARAMETERS	4	UEPMPREC	ADDRESS OF MN PERFORMANCE RECORD		
VALID R	RETURN CODES FOI ORM EQU X'00' NOR	RMAL	ARE: STICS RECORD OUTPUT			
(40)	ADDRESS	4	UEPSTATS	ADDRESS OF STATISTICS RECORD		
(44)	ADDRESS	4	UEPSRLEN	ADDRESS OF LENGTH OF STATS RECORD		
(48)	ADDRESS	4	UEPSTYPE	ADDRESS OF STATISTICS TYPE		
, ,	ES FOR STATISTICS					
		, , , , , <u>_</u>	LIEDCINIT	"CUNIT" INTERVAL CTATIOTICS		
(48)	CHARACTER		UEPSINT	"C'INT" INTERVAL STATISTICS		
(48)	CHARACTER		UEPSREQ	"C'REQ" REQUESTED STATISTICS		
(48)	CHARACTER		UEPSEOD	"C'EOD" END OF DAY STATISTICS		
(48)	CHARACTER		UEPSUSS	"C'USS" UNSOLICITED STATISTICS		
(48)	CHARACTER	4	UEPSRRT	"C'RRT" REQUESTED RESET STATISTICS		
(4C)	ADDRESS	4	UEPSDATE	ADDRESS OF COLLECTION DATE (MMDDYY)		
(50)	ADDRESS	4	UEPSTIME	ADDRESS OF COLLECTION TIME (HHMMSS)		
THE FOI	LLOWING TWO PAR	RAMETERS	ARE FOR INTERVAL STATI	STICS ONLY		
(54)	ADDRESS	4	UEPSIVAL	ADDRESS OF INTERVAL TIME (HHMMSS)		
(58)	ADDRESS	4	UEPSIVN	ADDRESS OF INTERVAL NUMBER		
(5C)	ADDRESS	4	UEPSCLD	ADDRESS OF COLLECTION DATE (MMDDYYYY)		
VALID R UERCN(UERCB) UERCPL	EQ PARAMETERS RETURN CODES FOI DRM EQU X'00' NOR YP EQU X'04' SUPPF URG EQU X'20' PUR arm list hasn't already	RMAL RESS DUMP GED	,			
(40)	ADDRESS	4	UEPDUMPC	ADDRESS OF COPY OF DUMP CODE		
(44)	ADDRESS	4	UEPDUMPT	ADDRESS OF DUMP TYPE IDENTIFIER		
. ,	ES FOR DUMP TYPE	IDENTIFIE	R			
LQO/IIL		I IDEIVIII IE				
	11111		UEPDTRAN	"C'T" TRANSACTION DUMP REQUEST		
	1111.		UEPDSYST	"C'S" SYSTEM DUMP REQUEST		
(48)	ADDRESS	4	UEPABCDE	ADDRESS OF COPY OF ABEND CODE		
(4C)	ADDRESS	4	UEPXDSCP	Address of dumpscope		
	1		UEPXDLOC	"X'1" DUDT_LOCAL		
	1.		UEPXDREL	"X'2" DUDT_RELATED		
(50)	ADDRESS	4	UEPXDTXN	Address of DUDT_TRANSACTION_DUMP		
	1		UEPXDYES	"X'1" DUDT_YES		
	1.		UEPXDNO	"X'2" DUDT_NO		
(54)	ADDRESS	4	UEPXDSYS	Address of DUDT_SYSTEM_DUMP		
(58)	ADDRESS	4	UEPXDTRM	Address of DUDT_TERMINATE_CICS		
(5C)	ADDRESS	4	UEPXDMAX	Address of DUDT_MAXIMUM_DUMPS		
(60)	ADDRESS	4	UEPXDCNT	Address of DUDT_COUNT		
(64)	ADDRESS	4	UEPXDTST	Address of DUDT_TRAN_DUMPS_TAKEN		
UEPXDTST addresses 4 consecutive fullwords which contain as binary integers the dump table statistics: TRAN_DUMPS_TAKEN, TRAN_DUMPS_SUPPRESSED, SYS_DUMPS_TAKEN SYS_DUMPS_SUPPRESSED. Comments in DFHDUDTR indicate that the corresponding DUDT fields must remain contiguous.						
(68) (6C)	ADDRESS ADDRESS	4 4	UEPXDDAE UEPDMPID	Address of DUDT_DAEOPTION Address of the dump ID string		
(70)	ADDRESS	4	UEPDURQE (0)	End of parms shared with XDUREQC		
(70)	ADDRESS	4	UEPFMOD	Address of name of failing module		
XDUCL VALID R UERCNO UERCSV	SE PARAMETERS RETURN CODES FOI DRM EQU X'00' NOR WCH EQU X'04' DON	RMAL N'T SWITCH	ARE: AUTOSWITCH OFF.			
(40)	ADDRESS	4	UEPDMPDD	ADDRESS OF DUMP DATASET DDNAME		
UERCPURG EQU X'20' PURGED (40) ADDRESS 4 UEPDMPDD ADDRESS OF DUMP DATASET DDNAME (44) ADDRESS 4 UEPDMPDSN ADDRESS OF DUMP DATASET DSNAME XDUOUT PARAMETERS VALID RETURN CODES FOR XDUOUT ARE: UERCNORM EQU X'00' NORMAL UERCBYP EQU X'04' SUPPRESS DUMP BUFFER OUTPUT (APPLICABLE ONLY FOR UEDMPWR)						
	JRG EQU X'20' PUR					
UERCPL			LIEDDMDEC	ADDRESS OF YOUGHT FUNCTION CODE		
UERCPL (40)	ADDRESS	4	UEPDMPFC	ADDRESS OF XDUOUT FUNCTION CODE		
UERCPL (40)		4		ADDRESS OF XDUOUT FUNCTION CODE "X'00" BUFFER ABOUT TO BE WRITTEN		

Offset Hex	Туре	Len	Name (Dim)	Description					
	1 1		UEPDMPRE UEPDMPAB	"X'04"" DUMP ABOUT TO RESTART AFTER AUTO-SWITCH "X'08"" ABNORMAL TERMINATION OF DUMP					
	11		UEPDMPDY	"X'0C" BUFFER ABOUT TO BE WRITTEN TO DUMMY FILE					
UEPDM	UEPDMPBF AND UEPDMPLEN ARE ZERO WHEN UEPDMPFC IS UEPDMPRE OR UEPDMPAB								
(44) (48)	ADDRESS ADDRESS	4 4	UEPDMPBF UEPDMPLEN	ADDRESS OF DUMP BUFFER ADDRESS OF DUMP BUFFER LENGTH					
ONLY V UERCN	XDUREQC PARAMETERS ONLY VALID RETURN CODE FOR XDUREQ IS: UERCNORM EQU X'00' NORMAL check parm list hasn't already been generated by XDUREQ								
			-	Address of DUDU DECODONOE					
(70)	ADDRESS	4	UEPDRESP	Address of DUDU_RESPONSE					
Equales	for dump response cod	ie	UEPDRPOK	"X'01" DUDU OK					
	1		UEPDRPEX	"X'02" DUDU_EXCEPTION					
(7.4)	11.	4	UEPDRPPR	"X'06" DUDU_PURGED					
(74)	ADDRESS	4	UEPDREAS	Address of DUDU_REASON					
Equales	for dump reason code		LIEDDROCE	"VIA!" DUDU ODEN EDDOD					
	1.		UEPDRSOE UEPDRSNO	"X'01" DUDU_OPEN_ERROR "X'02" DUDU_NOT_OPEN					
	11		UEPDRSID	"X'03" DUDU_INVALID_DUMPCODE					
	1		UEPDRSPT UEPDRSS1	"X'04" DUDU_PARTIAL_TRANSACTION_DUMP "X'05" DUDU_SUPPRESSED_BY_DUMPOPTION					
	11.		UEPDRSS2	"X'06" DUDU_SUPPRESSED_BY_DUMPTABLE					
	111		UEPDRSS3 UEPDRSPS	"X'07" DUDU_SUPPRESSED_BY_USEREXIT					
	1.1.		UEPDRSSB	"X'08" DUDU_PARTIAL_SYSTEM_DUMP "X'0A" DUDU_SDUMP_BUSY					
	1.11		UEPDRSSA	"X'0B" DUDU_SDUMP_NOT_AUTHORIZED					
	11.1		UEPDRSND	"X'0D" DUDU_NO_DATASET					
VALID F UERCN UERCS' XDSBW XDSAI VALID F UERCN	XDSBWT PARAMETERS VALID RETURN CODES FOR XDSBWT ARE: UERCNORM EQU X'00' NORMAL UERCSWAP EQU X'04' ISSUE SYSEVENT TO ALLOW ADDRESS-SPACE SWAPPING XDSBWT HAS NO UNIQUE PARAMETERS XDSAWT PARAMETERS VALID RETURN CODES FOR XDSAWT ARE: UERCNORM EQU X'00' NORMAL UERCNOSW EQU X'08' ISSUE SYSEVENT TO SUPPRESS ADDRESS-SPACE SWAPPING								
(30)	ADDRESS	4		RESERVED					
(34)	ADDRESS	4 4		RESERVED RESERVED					
(38) (3C)	ADDRESS ADDRESS	4		RESERVED					
(40)	ADDRESS	4	UEPSYSRC	ADDRESS OF SYSEVENT RETURN CODE					
VALID F UERCN UERCP	IDI PARAMETERS RETURN CODES FOR 3 ORM EQU X'00' NORM URG EQU X'20' PURGE ADDRESS	AL (defaul	t).	Address (NOTAL DIGGARD ideal/out) Provide subset (ideal/out)					
(40)	1	4	UEPIDREQ UEIDINS	Address of INSTALL/DISCARD ident(byte) Possible values of the identifier: "1" for INSTALL requests					
(4.4)	1.		UEIDDIS	"2" for DISCARD requests					
(44) (48)	ADDRESS ADDRESS	4	UEPIDNAM UEPIDLEN	Address of resource name Address of resource name length (word)					
(4C)	ADDRESS	4	UEPIDNUM	Address of resource name number (word)					
(50)	ADDRESS 1	4	UEPIDTYP UEIDTRAN	Address of resource type (byte) Possible values of the type: "1" Transaction					
	1.		UEIDPROF	"2" Profile					
	11		UEIDPROG	"3" Program					
	1		UEIDMAP UEIDPSET	"4" Mapset "5" Partitionset					
	11.		UEIDTERM	"6" Terminal					
	111		UEIDCONN	"7" Connection					
	1		UEIDMODE UEIDSESS	"8" Modename "9" Session					
	1.1.		UEIDFILE	"10" File					
	1.11		UEIDPART UEIDTCLS	"11" Partner "12" TCLASS					
	11.1		UEIDAITM	"13" Autoinstall terminal model					
	111.		UEIDFECO	"14" FEPI Connection					
	1111		UEIDFENO UEIDFEPO	"15" FEPI Node "16" FEPI Pool					
	11		UEIDFEPS	"17" FEPI Propertyset					
	11.		UEIDFETA	"18" FEPI Target					
	111		UEIDTDQU UEIDJNMD	"19" TD queue "20" Journalmodel					
	1 .1.1		UEIDJNNM	"21" Journalname					
	1 .11.		UEIDSTRM	"22" Log Stream name					
	1 .111		UEIDDB2C UEIDDB2E	"23" DB2 Connection (DB2CONN) "24" DB2 Entry (DB2ENTRY)					
	1 11		UEIDDB2T	"25" DB2 Transaction (DB2TRAN)					

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Offset Hex	Туре	Len	Name (Dim)	Description				
	1 1.11		UEIDTSMD	"27" Tsmodel				
	1 11		UEIDPRTY UEIDNQRN	"28" Processtype "26" NQR name				
	1 11.1		UEIDRQMD	"29" Request model (IIOP)				
	1 111.		UEIDTCPS	"30" Tcpipservice				
	1 1111		UEIDDOCT	"31" Doctemplate				
(54)	ADDRESS 1	4	UEPIDREC	Recoverability This indicates that: "1" the resource will be recovered				
	1.		UEIDKEEP UEIDLOSE	"2" the resource will not be recovered				
ΥΥΜΔ	TT PARAMETERS							
VALID F	RETURN CODES FO ORM EQU X'00' NO							
(40)	ADDRESS	4	UEPATPTI	Address of primary transaction id.				
(44)	ADDRESS	4	UEPATOTI	Address of attach transaction id. (A tran. id. of X'00000000' indicates that no tran. id. was				
(48)	ADDRESS	4	UEPATTPL	supplied on the attach.) Address of attach tpname length (word) (A length of 0 indicates that a tpname was not supplied on the attach.)				
(4C)	ADDRESS	4	UEPATTPA	Addr of addr of attach tpname (word				
(50)	ADDRESS 1	4	UEPATLOC	Address of locate result (byte) Possible values of the locate result:				
	1.		UEATFND UEATNFND	"1" Transaction was found "2" Transaction was not found				
(54)	ADDRESS	4	UEPATTST	Address of trandef state (byte) Possible values of the trandef state:				
` ,	1		UEATENAB	"1" Transaction is enabled				
(50)	1.		UEATDISA	"2" Transaction is disabled				
(58)	ADDRESS	4	UEPATTTK	Address of transaction token				
VALID F	ITU PARAMETERS RETURN CODES FO ORM EQU X'00' NO							
(30)	ADDRESS	4	UEPFAREQ	Address of request byte Possible values of the request byte:				
()	1		UEPFAIN	"1" Initialise request				
	1.		UEPFATU	"2" Tidy Up request				
(34)	ADDRESS	4	UEPFATUT	Address of Tidy Up type byte Possible values of the type byte:				
	1		UEPFANTU UEPFAETU	"1" Normal tidy up "2" Expired tidy up				
(38)	ADDRESS	4	UEPFANAM	Address of Facility name				
(3C)	ADDRESS	4	UEPFATYP	Address of Facility type Possible values of the type byte:				
(40)	1		UEPFABR	"1" 3270 Bridge facility				
(40) (44)	ADDRESS ADDRESS	4 4	UEPFAUAA UEPFAUAL	Address of Facility User Area Address of User Area length byte				
			OLITAGAL	Address of Oser Area length byte				
XDLIP	XDLIPRE PARAMETERS							
VALID F	RETURN CODES FO	OR XDLIPRE	ARE:					
	RETURN CODES FO ORM EQU X'00' NO		ARE:					
UERCN UERCB	ORM EQU X'00' NO YP EQU X'04' BYPA	ORMAL ASS DL/1 REG	ARE: QUEST AND RETURN					
UERCN UERCP	ORM EQU X'00' NC YP EQU X'04' BYPA URG EQU X'20' PU	ORMAL ASS DL/1 REG RGED	QUEST AND RETURN					
UERCN UERCB	ORM EQU X'00' NO YP EQU X'04' BYPA	ORMAL ASS DL/1 REG		ADDRESS OF TYPE OF REQUEST BYTE				
UERCN UERCP UERCP (30)	ORM EQU X'00' NC YP EQU X'04' BYPA URG EQU X'20' PU	DRMAL ASS DL/1 REG RGED 4	QUEST AND RETURN UEPCTYPE	ADDRESS OF TYPE OF REQUEST BYTE				
UERCN UERCP UERCP (30)	ORM EQU X'00' NC YP EQU X'04' BYPA URG EQU X'20' PU ADDRESS	DRMAL ASS DL/1 REG RGED 4	QUEST AND RETURN UEPCTYPE	ADDRESS OF TYPE OF REQUEST BYTE "C'E" EXEC REQUEST				
UERCN UERCP UERCP (30)	ORM EQU X'00' NO YP EQU X'04' BYPA URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111	DRMAL ASS DL/1 REG RGED 4	UEPCTYPE TE UEPCEXEC UEPCCALL	"C'E'" EXEC REQUEST "C'C" CALL REQUEST				
UERCN UERCP UERCP (30) EQUATI	ORM EQU X'00' NC YP EQU X'04' BYPA URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111.	DRMAL ASS DL/1 REG RGED 4 REQUEST BY	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST				
UERCN UERCB UERCPI (30) EQUATI	ORM EQU X'00' NC YP EQU X'04' BYPA URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 ADDRESS	DRMAL ASS DL/1 REG RGED 4 REQUEST BY	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST				
UERCN UERCB UERCP (30) EQUATI	ORM EQU X'00' NC YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 1111 1111 ADDRESS ADDRESS	DRMAL ASS DL/1 REG RGED 4 REQUEST BY 4 4	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST				
UERCN UERCB UERCP (30) EQUATI	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 11	DRMAL ASS DL/1 REG RGED 4 REQUEST BY 4 4	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE				
UERCN UERCB UERCP (30) EQUATI	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 ADDRESS ADDRESS ADDRESS ES FOR LANGUAG 11.1111	DRMAL ASS DL/1 REG RGED 4 REQUEST BY 4 4	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI				
UERCN UERCB UERCP (30) EQUATI	ORM EQU X'00' NC YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 111111ADDRESS ADDRESS ADDRESS ES FOR LANGUAG 11.111 1111	DRMAL ASS DL/1 REG RGED 4 REQUEST BY 4 4	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL				
UERCN UERCB UERCP (30) EQUATI	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 ADDRESS ADDRESS ADDRESS ES FOR LANGUAG 11.1111	DRMAL ASS DL/1 REG RGED 4 REQUEST BY 4 4	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI				
UERCN UERCB UERCP (30) EQUATI	ORM EQU X'00' NC YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111	DRMAL ASS DL/1 REG RGED 4 REQUEST BY 4 4	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER				
UERCN- UERCB' UERCPI (30) EQUATI (34) (38) EQUATI	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 ADDRESS ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 1111 1111	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 E BYTE	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB				
UERCN- UERCB' UERCPI (30) EQUATI (34) (38) EQUATI	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 1111 1111 1111 1111 EXECUTE: THE PORT OF THE PROPERTY OF T	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 E BYTE	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX TE	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG				
UERCN- UERCB' UERCPI (30) EQUATI (34) (38) EQUATI	ORM EQU X'00' NC YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 ADDRESS ADDRESS ES FOR LANGUAG 11.111 1111 1111 1111 1111 1111 1111 1111 ADDRESS	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 E BYTE	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB				
UERCNUERCB UERCPI (30) EQUATI (34) (38) EQUATI	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 11	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 KISTENCE BY	UEPCTYPE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX TE UEPIOA1	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG				
(34) (38) EQUATI (3C) EQUATI (40) (44)	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 1111 1111 ADDRESS ES FOR LANGUAG 11.1 .111 1111 ADDRESS E FOR IO AREA EX1 ADDRESS	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 KISTENCE BY 4 4	UEPCTYPE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPIOA	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG				
(34) (38) EQUATI (3C) EQUATI (40) (44)	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 111111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 1111 ADDRESS EFOR LANGUAG 11.1 .111 1111 ADDRESS EFOR IO AREA EX1 ADDRESS EFOR IO AREA EX1 ADDRESS ADDRESS EFOR PSB EXISTE	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 KISTENCE BY 4 4	UEPCTYPE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPASM UEPAIB UEPAIB UEPIOAX TE UEPIOA1 UEPPSBNX	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF PSB EXISTENCE FLAG				
(34) (38) EQUATI (3C) EQUATI (40) (44)	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 111111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 1111 1111 ADDRESS ES FOR LANGUAG 11.1 .111 1111 ADDRESS E FOR IO AREA EX1 ADDRESS ADDRESS ADDRESS ADDRESS	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 KISTENCE BY 4 4	UEPCTYPE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPIOA	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG				
UERCNUERCB UERCP (30) EQUATI (34) (38) EQUATI (3C) EQUATI (40) (44) EQUATI	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 111111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 ADDRESS EFOR IO AREA EX1 ADDRESS ADDRESS E FOR IO AREA EX1 FOR PSB EXISTE1.	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 E BYTE 4 4 ENCE BYTE	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPLI UEPCBL UEPASM UEPAIB UEPAIB UEPIOAX TE UEPIOA1 UEPPSBNX UEPPSBNX	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "CI" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF IO AREA ADDRESS OF PSB EXISTENCE FLAG				
(30) EQUATI (34) (38) EQUATI (3C) EQUATI (40) (44) EQUATI (48) (4C)	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 111111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 ADDRESS EFOR IO AREA EX ADDRESS ADDRESS E FOR PSB EXISTE1. ADDRESS	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 E BYTE 4 CISTENCE BY 4 4 ENCE BYTE	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPIOA1 UEPPSBNX	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF PSB EXISTENCE FLAG				
(30) EQUATI (34) (38) EQUATI (3C) EQUATI (40) (44) EQUATI (48) (4C)	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111114DDRESS ADDRESS ES FOR LANGUAG 11.1 .111 11111111 ADDRESS EFOR IO AREA EX1 ADDRESS ADDRESS E FOR PSB EXISTE1 ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 E BYTE 4 CISTENCE BY 4 4 ENCE BYTE	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPIOA1 UEPPSBNX	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF PSB EXISTENCE FLAG				
(30) EQUATI (34) (38) EQUATI (3C) EQUATI (40) (44) EQUATI (48) (4C)	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 ADDRESS E FOR IO AREA EX1 ADDRESS E FOR PSB EXISTE1 ADDRESS E FOR PSB EXISTE1 ADDRESS ADDRESS E FOR SYSID EXIS	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 E BYTE 4 CISTENCE BY 4 4 ENCE BYTE	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLANG UEPPLI UEPCBL UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPIOA1 UEPPSBNX UEPSBNM UEPSBNM UEPSBNM UEPSSNM	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF PSB EXISTENCE FLAG "X'02" PSB EXISTS ADDRESS OF PSB ADDRESS OF SYSID EXISTENCE FLAG				
(34) (33) EQUATI (34) (38) EQUATI (40) (44) EQUATI (48) (4C) EQUATI (50) XDLIP	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 .1111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 ADDRESS E FOR IO AREA EX1 ADDRESS E FOR PSB EXISTE1 ADDRESS E FOR SYSID EXIS E FOR SYSID EXIS OST PARAMETERS	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 E BYTE 4 ENCE BYTE 4 4 ETENCE BIT 4 S	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLI UEPASM UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPPSBNX UEPPSBNX UEPSSNM UEPSSNM	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF PSB EXISTENCE FLAG "X'02" PSB EXISTS ADDRESS OF PSB ADDRESS OF SYSID EXISTENCE FLAG				
(34) (38) EQUATI (34) (38) EQUATI (40) (44) EQUATI (48) (4C) EQUATI (50) XDLIPI VALID F	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111. ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 ADDRESS EFOR IO AREA EX ADDRESS ADDRESS E FOR PSB EXISTE ADDRESS E FOR PSB EXISTE ADDRESS ADDRESS E FOR SYSID EXIS ADDRESS	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 E BYTE 4 CISTENCE BY 4 4 5 ENCE BYTE 4 5 CISTENCE BIT 4 5 COR XDLIPOS	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLI UEPASM UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPPSBNX UEPPSBNX UEPSSNM UEPSSNM	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF PSB EXISTENCE FLAG "X'02" PSB EXISTS ADDRESS OF PSB ADDRESS OF SYSID EXISTENCE FLAG				
(30) EQUATI (34) (38) EQUATI (30) EQUATI (40) (44) EQUATI (48) (4C) EQUATI (50) XDLIPP VALID F UERCN	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 1111 ADDRESS ADDRESS ES FOR LANGUAG 11.1 .111 1111 1111 ADDRESS EFOR IO AREA EX1 ADDRESS E FOR PSB EXISTE1. ADDRESS E FOR SYSID EXIS E FOR SYSID EXIS COST PARAMETERS RETURN CODES FOR	DRMAL ASS DL/1 REC RGED 4 REQUEST BY 4 4 E BYTE 4 ENCE BYTE 4 STENCE BIT 4 SOR XDLIPOS' DRMAL	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLI UEPASM UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPPSBNX UEPPSBNX UEPSSNM UEPSSNM	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF PSB EXISTENCE FLAG "X'02" PSB EXISTS ADDRESS OF PSB ADDRESS OF SYSID EXISTENCE FLAG				
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(34) (33) EQUATI (34) (38) EQUATI (40) (44) EQUATI (50) XDLIP VALID F UERCN UERCPI (34) (34) (38)	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 11	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 E BYTE 4 CISTENCE BY 4 4 5 STENCE BIT 4 SOR XDLIPOS' RMAL RGED 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLI UEPASM UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPPSBNX UEPPSBNX UEPSSNM UEPSSNM	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF PSB EXISTENCE FLAG "X'02" PSB EXISTS ADDRESS OF PSB EXISTENCE FLAG "X'02" PSB EXISTS ADDRESS OF PSB ADDRESS OF SYSID EXISTENCE FLAG "X'03" SYSID EXITS ADDRESS OF SYSID EXISTENCE FLAG				
(34) (33) EQUATI (34) (38) EQUATI (30) EQUATI (40) (44) EQUATI (48) (4C) EQUATI (50) XDLIP VALID F UERCN UERCP (30) (34)	ORM EQU X'00' NO YP EQU X'04' BYPP URG EQU X'20' PU ADDRESS ES FOR TYPE OF F 111.1 1111 111	DRMAL ASS DI/1 REC RGED 4 REQUEST BY 4 4 4 E BYTE 4 ENCE BYTE 4 4 ENCE BYTE 4 4 FITENCE BIT 4 SOR XDLIPOS' DRMAL RGED 4 4 4 4 4	UEPCTYPE TE UEPCEXEC UEPCCALL UEPCSHIP UEPAPLIST UEPLI UEPASM UEPASM UEPAIB UEPIOAX TE UEPIOA1 UEPPSBNX UEPPSBNX UEPSSNM UEPSSNM	"C'E" EXEC REQUEST "C'C" CALL REQUEST "C'F" FUNCTION SHIPPED REQUEST ADDRESS OF APPLICATION'S PARM LIST ADDRESS OF LANGUAGE CALL TYPE BYTE "C'P" PLI "C'C" COBOL "C'A" ASSEMBLER "C'I" AIB ADDRESS OF IO AREA EXISTENCE FLAG "X'01" IO AREA EXISTS ADDRESS OF IO AREA ADDRESS OF PSB EXISTENCE FLAG "X'02" PSB EXISTS ADDRESS OF SYSID EXISTENCE FLAG "X'02" PSB EXISTS ADDRESS OF SYSID EXISTENCE FLAG "X'03" SYSID EXITS ADDRESS OF SYSID EXISTENCE FLAG				

Offset	Туре	Len	Name (Dim)	Description
Hex (44)	ADDRESS	4	UEPUIBX	ADDRESS OF UIB EXISTENCE FLAG
	FOR UIB EXISTENCE			
	1		UEPUIB1	"X'04" UIB EXISTS
(48)	ADDRESS	4	UEPUIB	ADDRESS OF UIB
	JT PARAMETERS	VALEDUT		
	ETURN CODES FOR DRM EQU X'00' NORI		ARE:	
	P EQU X'04' Suppres		the messages for	
	all destina	tions.		
(40)	ADDRESS	4	UEPMNUM	Address of 4 byte message number
(44) (48)	ADDRESS ADDRESS	4 4	UEPMDOM UEPMROU	Address of 2 byte dom id (or blank) Address of array of up to 128 route codes
(4C)	ADDRESS	4	UEPMNRC	Address of h/word containing number of route codes in array.
(50)	ADDRESS	4 4	UEPMTDQ UEPMNTD	Address of array of 4 char names of TD queues to send messages to Address of h/word contatining number of TDQs in the TDQ array
(54) (58)	ADDRESS ADDRESS	4	UEPINSN	Address of 1 word containing number of 1 bogs in the 1 bog array Address of 2 byte number of inserts
(5C)	ADDRESS	4	UEPINSA	Address of message inserts
(60)	ADDRESS	4	UEPNRTE	Address of no re-route flag
	M PARAMETERS ETURN CODES FOR	YSTEDM /	ADE:	
	DRM EQU X'00' NORI		AIL.	
There are	e no exit specific para		his exit.	
	PARAMETERS ETURN CODES FOR	XSRAR AF	RE:	
	DCA EQU X'00' Abend			
	NC EQU X'04' Abend		3, cancel exits	
	CS EQU X'08' Abend		LIEDERROS	ADDRESS OF SDD FDDOS SATA
(30)	ADDRESS	4	UEPERROR	ADDRESS OF SRP_ERROR_DATA
	Q PARAMETERS ETURN CODES FOR	XSZBRQ A	ARE:	
UER	RCNORM EQU X'00' N	NORMAL		
UER	RCBYP EQU X'04' NO	OP THE CA	ALL	
(30)	BITSTRING	2	UEPSZACT	FEPI Command Code
(32) (34)	BITSTRING CHARACTER	2 8	UEPSZCNV	Unused CONVID
(3C)	CHARACTER	8	UEPSZALP	POOL
(44) (4C)	CHARACTER FULLWORD	8 4	UEPSZALT UEPSZTIM	TARGET TIMEOUT
(50)	ADDRESS	4	UEPSZSND	Addr of Outbound Data
(54)	FULLWORD	4	UEPSZSNL	Len of Outbound Data
(58) (5C)	CHARACTER CHARACTER	4 4	UEPSZSTT UEPSZSTM	TRANSID for START TERMID for START
(60)	BITSTRING	1	UEPSZSNK	KEYSTROKE Flag
	1		UEPSZSNK_ON	"X'80'" Active
(61)	BITSTRING	1	UEPSZSNK_OFF UEPSZSNE	"X'00" InActive ESCAPE Byte
	Q PARAMETERS	*		
	ETURN CODES FOR	XSZARQ A	ARE:	
UER	RCNORM EQU X'00' N	NORMAL		
(30)	BITSTRING	2	UEPSZACN	FEPI Command Code
(32) (34)	BITSTRING CHARACTER	2 8	UEPSZCON	Unused CONVID
(3C)	FULLWORD	4	UEPSZRP2	Response Code
(40)	ADDRESS	4	UEPSZRVD	Addr of Inbound Data
(44) (44)	FULLWORD BITSTRING	4	UEPSZRVL UEPSZNOA	Len of Inbound Data Command Codes "X'820E" AP NOOP
(44)	BITSTRING		UEPSZOAL	"X'8210'" ALLOCATE
(44) (44)	BITSTRING BITSTRING		UEPSZOCF UEPSZOCD	"X'8212" CONVERSE FORMATTED "X'8214" CONVERSE DATASTREAM
(44)	BITSTRING		UEPSZOXC	"X'8216" EXTRACT CONV
(44)	BITSTRING		UEPSZOXF	"X'8218" EXTRACT FIELD
(44) (44)	BITSTRING BITSTRING		UEPSZOXS UEPSZOFR	"X'821A" EXTRACT STSN "X'821C" FREE
(44)	BITSTRING		UEPSZOSU	"X'821E" ISSUE
(44)	BITSTRING		UEPSZORF	"X'8220" RECEIVE FORMATTED
(44) (44)	BITSTRING BITSTRING		UEPSZORD UEPSZOSF	"X'8222" RECEIVE DATASTREAM "X'8224" SEND FORMATTED
(44)	BITSTRING		UEPSZOSD	"X'8226" SEND DATASTREAM
(44)	BITSTRING		UEPSZOST	"X'8228" START
(44) (44)	BITSTRING BITSTRING		UEPSZSDN UEPSZSDI	"X'8402" Normal Shutdown "X'8404" Immediate Shutdown
(44)	BITSTRING		UEPSZSDF	"X'8406" Forced Shutdown
(44)	BITSTRING		UEPSZEOT	"X'8408" CICS End of Task
(44) (44)	BITSTRING BITSTRING		UEPSZNOS UEPSZOQY	"X'840E"' SP NOOP "X'8422" INQUIRE PROPERTYSET
(44)	BITSTRING		UEPSZOIY	"X'8428'" INSTALL PROPERTYSET
(44)	BITSTRING		UEPSZODY	"X'8430" DISCARD PROPERTYSET
(44) (44)	BITSTRING BITSTRING		UEPSZOQN UEPSZOTN	"X'8442" INQUIRE NODE "X'8444" SET NODE
(44)	BITSTRING		UEPSZOIN	"X'8448'" INSTALL NODE
(44)	BITSTRING		UEPSZOAD	"X'844A" ADD POOL

Offset Hex	Туре	Len	Name (Dim)	Description
(44) (44)	BITSTRING BITSTRING		UEPSZODE UEPSZODN	"X'844C" DELETE POOL "X'8450" DISCARD NODE
(44)	BITSTRING		UEPSZOQP	"X'8462" INQUIRE POOL
(44) (44)	BITSTRING BITSTRING		UEPSZOTP UEPSZOIP	"X'8464" SET POOL "X'8468" INSTALL POOL
(44)	BITSTRING		UEPSZODP	"X'8470" DISCARD POOL
(44) (44)	BITSTRING BITSTRING		UEPSZOQT UEPSZOTT	"X'8482" INQUIRE TARGET "X'8484" SET TARGET
(44)	BITSTRING		UEPSZOIT	"X'8488"" INSTALL TARGET
(44) (44)	BITSTRING BITSTRING		UEPSZODT UEPSZOQC	"X'8490" DISCARD TARGET "X'84A2" INQUIRE CONNECTION
(44)	BITSTRING		UEPSZOTC	"X'84A4" SET CONNECTION
	AIR PARAMETERS RETURN CODES FOR X	(PCHAIR A	ARE:	
	ORM EQU X'00' NORM/ EA EQU X'04' ENTRY F		S BEEN MODIFIED	
	URG EQU X'20' PURGE			
(30) (34)	ADDRESS ADDRESS	4 4		UEPPCDS - AS DEFINED ABOVE UEPTACB - AS DEFINED ABOVE
	A PARAMETERS			
	RETURN CODES FOR X ORM EQU X'00' NORM		E:	
	EA EQU X'04' ENTRY F		S BEEN MODIFIED	
(30)	URG EQU X'20' PURGE ADDRESS	4		UEPPCDS - AS DEFINED ABOVE
(34)	ADDRESS	4		UEPTACB - AS DEFINED ABOVE
	PARAMETERS RETURN CODES FOR X	EIN ADE		
	ORM EQU X'00' NORM			
	YP EQU X'04' BYPASS URG EQU X'20' PURGE		•	
(30)	ADDRESS	4	UEPARG	ADDRESS OF COMMAND LEVEL PLIST
(34)	ADDRESS	4	UEPEXECB	ADDRESS OF EXEC INTERFACE BLOCK
(38) (3C)	ADDRESS ADDRESS	4 4	UEPUSID UEPPGM	ADDRESS OF TASK USERID ADDRESS OF PROGRAM NAME
(40)	ADDRESS	4	UEPLOAD	PROGRAM LOAD ADDRESS
(44)	ADDRESS	4	UEPRSA	ADDRESS OF APPL REGISTER SAVE AREA
	T PARAMETERS RETURN CODES FOR X	EIOUT AF	RE:	
	ORM EQU X'00' NORM URG EQU X'20' PURGE		LT)	
(30)	ADDRESS	4		UEPARG - AS DEFINED ABOVE
(34)	ADDRESS	4		UEPEXECB - AS DEFINED ABOVE
(38) (3C)	ADDRESS ADDRESS	4 4		UEPUSID - AS DEFINED ABOVE UEPPGM - AS DEFINED ABOVE
(40) (44)	ADDRESS ADDRESS	4 4		UEPLOAD - AS DEFINED ABOVE UEPRSA - AS DEFINED ABOVE
	IN PARAMETERS			OF TOOK - NO DET INTED ADOVE
VALID F	RETURN CODES FOR X			
	ORM EQU X'00' NORM/ YP EQU X'04' BYPASS			
	URG EQU X'20' PURGE			
(30)	ADDRESS	4		UEPARG - AS DEFINED ABOVE
(34) (38)	ADDRESS ADDRESS	4 4		UEPEXECB - AS DEFINED ABOVE UEPUSID - AS DEFINED ABOVE
(3C) (40)	ADDRESS ADDRESS	4 4		UEPPGM - AS DEFINED ABOVE UEPLOAD - AS DEFINED ABOVE
(44)	ADDRESS	4		UEPRSA - AS DEFINED ABOVE
	OUT PARAMETERS	·=·=·		
	RETURN CODES FOR X ORM EQU X'00' NORM			
	URG EQU X'20' PURGE	•		
(30)	ADDRESS	4		UEPARG - AS DEFINED ABOVE
(34) (38)	ADDRESS ADDRESS	4 4		UEPEXECB - AS DEFINED ABOVE UEPUSID - AS DEFINED ABOVE
(3C)	ADDRESS	4		UEPPGM - AS DEFINED ABOVE
(40) (44)	ADDRESS ADDRESS	4 4		UEPLOAD - AS DEFINED ABOVE UEPRSA - AS DEFINED ABOVE
	N PARAMETERS			
	RETURN CODES FOR X ORM EQU X'00' NORM			
	URG EQU X'20' PURGE			
(30)	ADDRESS	4	UEPUSRID	ADDRESS OF TERMINAL USERID
(34) (38)	ADDRESS ADDRESS	4 4	UEPUSRLN UEPGRPID	ADDRESS OF TERMINAL USERID LENGTH ADDRESS OF GROUP ID
(3C)	ADDRESS	4	UEPGRPLN	ADDRESS OF GROUP ID LENGTH
(40) (44)	ADDRESS ADDRESS	4 4	UEPNETN UEPTRMID	ADDRESS OF NETNAME ADDRESS OF TERMINAL ID
(48)	ADDRESS	4	UEPTCTUA	ADDRESS OF TCT USER AREA

Offset Hex	Туре	Len	Name (Dim)	Description
(4C)	ADDRESS	4	UEPTCTUL	ADDRESS OF TCT USER AREA LENGTH
(50)	ADDRESS I Type is derived from	4 the DEVICE	UEPTRMTY	ADDRESS OF TERMINAL TYPE BYTE
	PE RDO resource.	II THE DEVICE	. attribute of the	
(54)	ADDRESS	4	UEPSNFLG	ADDRESS OF SIGNON/OFF FLAG BYTES
equates	for Signon/off flag by	rte1		
			UEPSNOK	"0" Sign-on/off successful
equates	for Signon/off flag by	rte2	UEPSNFL	"1" Sign-on/off failed
equates			UEPSNNML	"0" Normal sign-on/off (not timeout)
	1		UEPSNTIM	"1" Timeout sign-off
VALID R UERCNO	FF PARAMETERS RETURN CODES FO ORM EQU X'00' NOF JRG EQU X'20' PUR	RMAL(DEFAL		
(30)	ADDRESS	4		UEPUSRID - AS DEFINED ABOVE
(34) (38)	ADDRESS ADDRESS	4 4		UEPUSRLN - AS DEFINED ABOVE UEPGRPID - AS DEFINED ABOVE
(3C) (40)	ADDRESS ADDRESS	4		UEPGRPLN - AS DEFINED ABOVE UEPNETN - AS DEFINED ABOVE
(44)	ADDRESS	4		UEPTRMID - AS DEFINED ABOVE
(48) (4C)	ADDRESS ADDRESS	4 4		UEPTCTUA - AS DEFINED ABOVE UEPTCTUL - AS DEFINED ABOVE
(50)	ADDRESS	4		UEPTRMTY - AS DEFINED ABOVE
(54)	ADDRESS	4		UEPSNFLG - AS DEFINED ABOVE
VALID R UERCNO	N PARAMETERS RETURN CODES FO ORM EQU X'00' NOF URG EQU X'20' PUR	RMAL(DEFAL		
(30) (34)	ADDRESS ADDRESS	4 4	UEPTRUEN UEPTRUEP	ADDRESS OF NAME OF TRUE ADDRESS OF TRUE's PARAMETER LIST
(38)	ADDRESS	4	OLFINOLF	RESERVED
(3C) (40)	ADDRESS ADDRESS	4 4		RESERVED RESERVED
(44)	ADDRESS	4		RESERVED
(48)	ADDRESS	4		UEPRECUR - AS DEFINED ABOVE
VALID R UERCNO	DUT PARAMETERS RETURN CODES FO ORM EQU X'00' NOF URG EQU X'20' PUR	RMAL(DEFAL		
(30) (34)	ADDRESS ADDRESS	4 4		UEPTRUEN - AS DEFINED ABOVE UEPTRUEP - AS DEFINED ABOVE
(38)	ADDRESS	4		RESERVED
(3C) (40)	ADDRESS ADDRESS	4 4		RESERVED RESERVED
(44)	ADDRESS	4		RESERVED
(48)	ADDRESS	4		UEPRECUR - AS DEFINED ABOVE
VALID R UERCRY VALID V UENOSP VALID V UEDUPP UENOSP UENOLE UENBWI UEDLOC UERLSC UERLSC UECACH UEOPEN UELOKF UEAIXFI UEOPEN VALID V XBFENC XBFERC XBFERW XBFEWF	FAIL PARAMETERS ETURN CODES FO DORM EQU X'00' NOF YP EQU X'04' BYPAS FOLLOW TO NOT YP EQU X'04' BYPAS FOLLOW TO NOT YP EQU X'04' BYPAS FOLLOW TO NOT YP EQU X'20' NO S FOLL EQU X'40' LOGI BAK EQU X'40' LOGI BAK EQU X'41' NON D'CK EQU X'60' DEAD ERR EQU X'61' VSAM Z'ON EQU X'C2' COM HE EQU X'C3' VSAM Z'ON EQU X'C4' VSAM L'L EQU X'76' NO SINER EQU X'F6' NO SINER EQU X'F6' NO SINER EQU X'F6' INEX FOLL EV EQU X'F6' INEX FOLL EV EQU X'F6' INEX FOLLOW X'F6' INEX FOLLOW TO EQU X'00' NO ERR L'EQU X'00' NO ERR L	RMAL (DEFAI SS (IGNORE CRSP ARE: LICATE KEY SPACE AVAII RROR CAL DELETE I-BWO BACK LOCK M RLS FAILL M RLS FAILL M LOCK STR PACE IN NON COPEN ERRIP PECTED ER R ARE: ROR IPDATE ERR FE ERROR ERROR	ULT) ERROR) ON UNIQUE AIX _ABLE E BYPASSED UP IN PROGRESS JIRE DETECTED SS DISABLED OF RLS REQUEST DISABLED E FAILURE UCTURE FULL JUNIQUE AIX OR ROR	ADDRESS OF LOG RECORD BEING BACKED OUT
(34) (38)	ADDRESS ADDRESS	4 4	UEPTRANS UEPTRMNL	ADDRESS OF TRANSACTION ID ADDRESS OF TERMINAL ID
(3C)	ADDRESS	4	UEPTASK	ADDRESS OF TASK NUMBER
(40) (44)	ADDRESS ADDRESS	4 4	UEPFCRSP UEPERR	ADDRESS OF FILE CONTROL RESPONSE BYTE ADDRESS OF ERROR-TYPE BYTE
(44)	ADDRESS	4	OLFERR	ADDINESS OF ENRON-LIFE DITE

Hex	Туре	Len	Name (Dim)	Description
VALID R UERCF <i>I</i>	DEL PARAMETERS RETURN CODES FO AIL EQU X'00' TREA DEL EQU X'04' LOGI	T AS BACKO		
(30)	ADDRESS	4		UEPBLOGR - AS DEFINED ABOVE
(34) (38)	ADDRESS ADDRESS	4 4		UEPTRANS - AS DEFINED ABOVE UEPTRMNL - AS DEFINED ABOVE
(3C)	ADDRESS	4		UEPTASK - AS DEFINED ABOVE
(40)	ADDRESS	4	UEPFDATA	ADDRESS OF DATA TO LOGICALLY DELETE
(44)	ADDRESS	4	UEPFLEN	ADDRESS OF FULLWORD LENGTH OF DATA
VALID R UERCNO	OVER PARAMETERS RETURN CODES FO ORM EQU X'00' DO CKO EQU X'04' PER	R XFCBOVE NOT BACKO		
(30)	ADDRESS	4	UEPOLOGR	ADDRESS OF OVERRIDEN LOG RECORD
THE ON	ADDRESS DUT PARAMETERS ILY VALID RETURN			ADDRESS OF OVERRIDEN DATA SET
	ORM EQU X'00' CON			ADDDESS OF FOLIOO DESCODO
(30)	ADDRESS TRM PARAMETERS	4	UEPFLOGR	ADDRESS OF FC LOG RECORD
UERCNO UERCBY VALID V UEPSYS	RETURN CODES FO DRM EQU X'00' NOF YP EQU X'04' BYPA: 'ALUES FOR UEPLG BLG EQU X'01' SYST NLG EQU X'02' GEN	RMAL (DEFIN SS (DO NOT GTYP ARE: TEM LOG	IE STREAM)	
(40)	ADDRESS	4	UEPLSN	ADDRESS OF 26-BYTE LOG STREAM NAME
(44)	ADDRESS	4 4	UEPMLSN UEPIXG	ADDRESS OF 26-BYTE MODEL STREAM NAME
(48) (4C)	ADDRESS ADDRESS	4	UEPLGTYP	ADDRESS OF IXGINVNT MACRO LIST FORM ADDRESS OF 1-BYTE LOG TYPE
(40)	1	-	UEPSYSLG	"X'01" SYSTEM LOG
	1.		UEPGENLG	"X'02" GENERAL LOG
XI GWI	BC PARAMETERS	D VI CWDC	ADE:	
VALID R	RETURN CODES FO ORM EQU X'00' NOF		III.	
VALID R			UEP_LG_FUNCTION	address of 1-byte function Note: This is a reserved GLUE, if it is enabled it will be ignored be the Log Manager
VALID R UERCNO	ORM EQU X'00' NOF ADDRESS1	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN	the Log Manager "X'01" open function, called when the log is connected to
VALID R UERCNO	ADDRESS11	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE	the Log Manager
VALID R UERCN	ORM EQU X'00' NOF ADDRESS1	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN	the Log Manager "X'01" open function, called when the log is connected to
VALID R UERCNO	ADDRESS11	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists
VALID R UERCNO	ADDRESS111	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap
VALID R UERCNO	ORM EQU X'00' NOF ADDRESS111111	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_FAIL_NO_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists
VALID R UERCNO	DRM EQU X'00' NOF ADDRESS 1111	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_FAIL_NO_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a
VALID R UERCN	ORM EQU X'00' NOF ADDRESS111111	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_FAIL_NO_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ UEP_LG_FUN_TERM_ UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a
VALID R UERCNO	ORM EQU X'00' NOF ADDRESS111111	RMAL	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_FAIL_NO_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap
VALID R UERCNO (40)	ORM EQU X'00' NOF ADDRESS1111111	4	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_FAIL_NO_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ UEP_LG_FUN_TERM_ LOG_OK_DGAP	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log
VALID R UERCNO (40)	ORM EQU X'00' NOF ADDRESS111111	4	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT	"X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log
VALID R UERCN((40)	ORM EQU X'00' NOF ADDRESS11111111111	_ functions (at	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log delete point. This only applies to the system log.
VALID R UERCNO (40)	ORM EQU X'00' NOF ADDRESS111111111	A 4	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log delete point. This only applies to the system log.
Paramet (44)	ADDRESS	_ functions (ar	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT UEP_LG_LOG_STREAM_NAME UEP_LG_SYSTEM_LOG UEP_LG_SYSTEM_LOG UEP_LG_GENERAL_LOG	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log delete point. This only applies to the system log.
VALID R UERCN((40)	ADDRESS	_ functions (at	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT UEP_LG_LOG_STREAM_NAME UEP_LG_LOG_TYPE UEP_LG_SYSTEM_LOG	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log delete point. This only applies to the system log.
Paramet (44) (48)	ADDRESS	_ functions (ar	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT INTERM_ UEP_LG_C_COSTREAM_NAME UEP_LG_SYSTEM_LOG UEP_LG_GENERAL_LOG UEP_LG_GENERAL_LOG UEP_LG_GENERAL_LOG UEP_LG_GENERAL_LOG UEP_LG_GENERAL_LOG UEP_LG_GENERAL_LOG UEP_LG_GENERAL_LOG UEP_LG_GENERAL_LOG UEP_LG_GENERAL_LOG	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log delete point. This only applies to the system log.
Paramet (44) (48) (4C) (50)	ADDRESS11111	_ functions (au 4 4 4 4	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT UEP_LG_LOG_TYPE UEP_LG_SYSTEM_LOG UEP_LG_GENERAL_LOG UEP_LG_CICS_START_GMT UEP_LG_CICS_APPLID	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log delete point. This only applies to the system log. address of 26-byte log stream name address of 1-byte log stream type "X'01"system log "X'02"general log address of an 8-byte field containing the CICS start time in STCK format
Paramet (44) (48) (4C) (50) Extra pa	ADDRESS	L functions (at 4 4 4 4 ONLY to the	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_MO_GAP UEP_LG_FUN_GET_ DELETE_POINT INDEX OF THE TOTAL OF THE	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a log delete point. This only applies to the system log. address of 26-byte log stream name address of 1-byte log stream type "X'01" system log "X'02" general log address of an 8-byte field containing the CICS start time in STCK format address of an 8-byte field containing the CICS applid (or the generic applid for XRF)
Paramet (44) (48) (4C) (50)	ORM EQU X'00' NOF ADDRESS11111	_ functions (au 4 4 4 4	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT UEP_LG_LOG_TYPE UEP_LG_SYSTEM_LOG UEP_LG_GENERAL_LOG UEP_LG_CICS_START_GMT UEP_LG_CICS_APPLID	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a lo delete point. This only applies to the system log. address of 26-byte log stream name address of 1-byte log stream type "X'01" system log "X'02" general log address of an 8-byte field containing the CICS start time in STCK format address of an 8-byte field containing the CICS applid (or the generic applid for XRF)
Paramet (44) (48) (4C) (50) Extra pa (54) (58)	ADDRESS	4 4 4 ONLY to the 4 4	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT and always present) UEP_LG_ UEP_LG_ SYSTEM_LOG UEP_LG_ SYSTEM_LOG UEP_LG_ SYSTEM_LOG UEP_LG_ CICS_START_GMT UEP_LG_ CICS_APPLID WRITE function UEP_LG_ BLOCK_LENGTH	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a lo delete point. This only applies to the system log. address of 26-byte log stream name address of 1-byte log stream type "X'01" system log "X'02" general log address of an 8-byte field containing the CICS start time in STCK format address of an 8-byte field containing the CICS applid (or the generic applid for XRF) address of a variable length block containing the data just written to the log address of a 4-byte field containing the length of the block of data just written to the log
Paramet (44) (48) (50) Extra pa (54)	ADDRESS	L functions (and 4 4 4 4 ONLY to the 14 4	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_NO_GAP UEP_LG_FUN_GET_ DELETE_POINT UEP_LG_ CIG_STREAM_NAME UEP_LG_LOG_TYPE UEP_LG_SYSTEM_LOG UEP_LG_CICS_START_GMT UEP_LG_CICS_APPLID WRITE function UEP_LG_BLOCK	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a lo delete point. This only applies to the system log. address of 26-byte log stream name address of 1-byte log stream type "X'01" system log "X'02" general log address of an 8-byte field containing the CICS start time in STCK format address of an 8-byte field containing the CICS applid (or the generic applid for XRF)
VALID RUERCN((40) Paramet (44) (48) (4C) (50) Extra pa (54) (58) (5C)	ADDRESS ADDRESS	L functions (au 4 4 4 4 ONLY to the 1 4 4	UEP_LG_FUNCTION UEP_LG_FUN_OPEN UEP_LG_FUN_WRITE UEP_LG_FUN_TERM_ LOG_FAIL_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_GAP UEP_LG_FUN_TERM_ LOG_OK_MO_GAP UEP_LG_FUN_GET_ DELETE_POINT INTERM_ UEP_LG_SYSTEM_LOG UEP_LG_SYSTEM_LOG UEP_LG_GENERAL_LOG UEP_LG_CICS_START_GMT UEP_LG_CICS_APPLID WRITE function UEP_LG_BLOCK_LENGTH UEP_LG_BLOCK_LENGTH UEP_LG_BLOCK_LENGTH	the Log Manager "X'01" open function, called when the log is connected to "X'02" write function, called following a successful write to the log "X'03" terminate function, called following a log failure and the possibility of a gap exists "X'04" terminate function, called following a log failure and there is no gap "X'05" terminate function, called when the log is disconnected normally but there is a possibility that a gap exists "X'06" terminate function, called when the log is disconnected normally and there is no gap "X'07" get delete point function, called when a delete is about to be issued and returns a lod delete point. This only applies to the system log. address of 26-byte log stream name address of 1-byte log stream type "X'01" system log "X'02" general log address of an 8-byte field containing the CICS start time in STCK format address of an 8-byte field containing the CICS applid (or the generic applid for XRF) address of a variable length block containing the data just written to the log address of a 4-byte field containing the length of the block of data just written to the log

Offset	Туре	Len	Name (Dim)	Description
Hex (64)	ADDRESS	4	UEP_LG_	
(04)	ADDITEOU	7	DELETE_BLOCK_ID	address of an 8-byte field, on return containing the block id of the log delete point chosen by the exit program. A zero address on return implies keep all data on the log.
(68)	ADDRESS	4	UEP_LG_	the exit program. A zero address on return implies keep all data on the log.
			DELETE_TIMESTAMP	address of an 8-byte field, on return containing the timestamp of the log delete point chosen by the exit program
XFCVS	SDS PARAMETERS	3		3, 3, 4, 4, 3, 1, 3, 3, 4
UERCN	turn codes for XFC\ ORM EQU X'00' No YP EQU X'04' Bypa	ormal (process		
(30)	ADDRESS	4	UEPDSNAM	Address of dataset name
(34)	ADDRESS	4	UEPVSACT	Address of VSAM RLS action (byte)
(38) (3C)	ADDRESS ADDRESS	4 4	UEPQUCLS UEPCPTEC	Address of close type (byte) Address of copy technique (byte)
	its for byte addresse			
	1	54 5, 52. 10.	UEQUIES	"1" Quiesce dataset
	1.		UEUNQUIS	"2" Unquiesce dataset
	11		UENBWST	"3" Non-BWO backup start
	1		UENBWCMP	"4" Non-BWO backup complete
	1.1		UEBWOST UEBWOCMP	"5" BWO backup start "6" BWO backup complete
Constan	its for byte addresse	ad by LIEPOLIC		0 2110 Sasilap complete
Ooristan	· · · · · · · · · · · · · · · · · · ·	Su by OLI QUO	UEORDCLO	"1" Close files when syncpoint reached
	1		UEIMMCLO	"2" Close files immediately via purge
Constan	its for byte addresse	ed by UEPCPT	EC	
	1		UEORDCOP	"1" Concurrent copy will not be used
	1.		UECONCOP	"2" Concurrent copy will be used
Valid ret	UIS PARAMETERS turn codes for XFC(ORM EQU X'00' No	QUIS are:		
(30)	ADDRESS	4	UEPQDSNM	Addr of dataset name
(34)	ADDRESS	4	UEPQSTAT	Addr of desired quiesce state (byte)
(38) (3C)	ADDRESS ADDRESS	4 4	UEPQRCDE UEPQCONF	Addr of quiesce result (byte) Addr of any conflicting quiesce (byte)
	its for byte addresse			, total of any commoning quiesce (byto)
Constan	•	ed by OLFQ31		MAIL Outlinear of the control of a second of
	1 1. 11		UEQSD UEIMQSD UEUNQSD	"1" Quiesced (normal close) requested "2" Quiesced (immediate close) requested "3" Unquiesced requested
Constan	its for byte address	ed by UEPQRO	CDE	
	1	·	UEQOK	"1" Successful
	1.		UEQREJEC	"2" Rejected - see UEPQCONF for conflict
	11		UEQCANCL	"3" Failed - quiesce cancelled by user
	1		UEQTIMED UEQIOERR	"4" Failed - quiesce cancelled by timeout "5" Failed - i/o error or server failure
	11.		UEQUNKNO	"6" Failed - dataset not DFSMS VSAM
	111		UEQMIGRT	"7" Failed - dataset migrated
Constan	its for byte addresse	ed by UEPQCO	ONF	
	1		UEQUIINP	"1" Conflicting quiesce in progress
	1.		UEUNQINP	"2" Conflicting unquiesce in progress
	11		UENBWINP	"3" Conflicting non-BWO backup in progress
	1		UEBWOINP UEUNKINP	"4" Conflicting BWO backup in progress "5" Unknown conflicting event
XBADE	EACT PARAMETER	RS.		
VALID F	RETURN CODES F ORM EQU X'00' NO	OR XBADEAC DRMAL	T ARE: ated by XBADEACT	
(40)	ADDRESS	4	UEPACIN	ADDRESS OF ACTIVITY INDICATOR BYTE
			JEI AUIN	ABBRECO OF ACTIVITY INDICATOR DITE
EQUATI	ES FOR ACTIVITY	INDICATOR	LIEDDOCT	NOIDII DOOT AOTIVITY
	11.1 11 1111		UEPROOT UEPCHILD	"C'R" ROOT ACTIVITY "C'C" CHILD ACTIVITY
(44)	ADDRESS	4	UEPACID	ADDRESS OF ACTIVITY ID
(48)	ADDRESS	4	UEPACNA	ADDRESS OF ACTIVITY NAME
(4C)	ADDRESS	4	UEPPRID	ADDRESS OF PROCESS ID
(50)	ADDRESS	4 4	UEPPRTY	ADDRESS OF PROCESS TYPE
(54) (58)	ADDRESS ADDRESS	4	UEPPRNA UEPARESP	ADDRESS OF PROCESS NAME ADDRESS OF COMPLETION CODE
(5C)	ADDRESS	4	UEPAABND	ADDRESS OF ABEND CODE
VALID F	N PARAMETERS RETURN CODES F ORM EQU X'00' NO URG EQU X'20' PU	DRMAL(DEFAL		
(30)	ADDRESS	4	UEPBMTCT	ADDRESS OF TCTTE
(34)	ADDRESS	4	12. 5 0	UEPEXECB - AS DEFINED ABOVE

Offset Hex	Туре	Len	Name (Dim)	Description
(38) (3C)	ADDRESS ADDRESS	4 4	UEPBMCNT UEPBMTAB	ADDRESS OF FIELD COUNT ADDRESS OF FIELD INFO TABLE
XBMO	UT PARAMETERS			
UERCN	RETURN CODES F ORM EQU X'00' NO URG EQU X'20' PU	DRMAL(DEFAL		
(30)	ADDRESS	4		UEPBMTCT - AS DEFINED ABOVE
(34) (38)	ADDRESS ADDRESS	4 4		UEPEXECB - AS DEFINED ABOVE UEPBMCNT - AS DEFINED ABOVE
(3C)	ADDRESS	4		UEPBMTAB - AS DEFINED ABOVE
VALID F	1 PARAMETERS RETURN CODES FOORM EQU X'00' NO		RE:	
(40)	ADDRESS	4	UEPREMK	ADDRESS OF 8-BYTE REMARK
(44)	ADDRESS	4	UEPRUEI	ADDRESS OF RUEI TO BE LOGGED
(78)	FULLWORD	4	UEPEPEND (0) UEPEPLEN	END OF TYPE = EP DSECT "UEPEPEND-UEPEXN"
RETU	IRN CODE EQUATI	ES		
All RC E	quates except UEF	RCNORM whic		
			UERCSYS UERCDTAC	"X'00" TAKE SYSTEM ACTION "X'00" Accept record
	1		UERCDTRJ	"X'04" Reject record
	1		UERCDTCL	"X'04" Close file
			UERCDTOK	"X'00" File open OK
	1		UERCDTOP UERCDTEX	"X'08" Optimise data table add "X'0C" Extension for data tables
	1		UERCDTSH	"X'08" Shared data table load
			UERCNOAC	"X'00" NO ACTION
	1		UERCTDOK	"X'04" Quit TD processing - return "normal" to caller
	1		UERCSWCH UERCBYP	"X'04" SWITCH TO ALTERNATE OR DON'T SWITCH AUTOSWITCH OFF. "X'04" BYPASS (NO ACTION)
	1		UERCCOIG	"X'04" IGNORE
	1		UERCQUE	"X'04" QUEUE THE REQUEST
	1		UERCMEA	"X'04" PROGRAM CONTROL ADDRESS MODIFIED
	1		UERCSWAP UERCTDNA	"X'04" ISSUE SYSEVENT TO ALLOW ADDRESS-SPACE SWAP "X'08" Quit TD processing - return "notauth" to caller
			UERCFAIL	"X'00" TREAT AS BACKOUT FAILURE
	1		UERCLDEL	"X'04" LOGICALLY DELETE RECORD BY REAPPLYING
	1		UERCBCKO	"X'04" PERFORM THE BACKOUT OF THE LOG RECORD
	1		UERCIGN	"X'08" IGNORE, RETURN SYSIDERR
	1		UERCABNO UERCNOSW	"X'08" ABEND CICS WITHOUT DUMP "X'08" SYSEVENT TO SUPPRESS ADDRESS-SPACE SWAP
	11		UERCABDU	"X'0C" ABEND CICS WITH DUMP
			UERCTEUN	"X'00" TERMINAL UNKNOWN
	1 1		UERCNETN UERCSYSI	"X'04" TERMINAL KNOWN, NETNAME RETURNED "X'08" TERMINAL KNOWN, SYSID RETURNED
	1		UERCPURG	"X'20" TASK BEING PURGED
			UERCAQUE	"X'00" Queue allocate request
	1		UERCAPUR	"X'04" Purge allocate request
	1		UERCAKLL	"X'08" Kill queued tasks for connection
	11		UERCAKLM UERCSCPE	"X'0C" Kill queued tasks for modegrp "X'08" Scope returned
			UERCNOCA	"X'00" Abend task ASRB, don't cancel exits
	1		UERCCANC	"X'04'" Abend task ASRB, cancel exits
	1		UERCCICS	"X'08" Abend CICS
			ATES FOR UEPFCRSP	
	1		UEDUPREC	"X'10" DUPLICATE KEY ON UNIQUE AIX
	1		UENOSPAC UEIOEROR	"X'20" NO SPACE AVAILABLE "X'24" I/O ERROR
	.1		UENOLDEL	"X'40" LOGICAL DELETE BYPASSED
	.11		UENBWBAK	"X'41" NON-BWO BACKUP IN PROGRESS
	1.11		UEDLOCK	"X'B0" DEADLOCK
	11 111		UERLSERR UERLSDIS	"X'C0"" VSAM RLS FAILURE DETECTED "X'C1"" VSAM RLS ACCESS DISABLED
	111.		UERLSCON	"X'C2" CONTINUATION OF RLS REQUEST DISABLED
	1111		UECACHE	"X'C3"" VSAM RLS CACHE FAILURE
	111		UELCKFUL	"X'C4" VSAM LOCK STRUCTURE FULL
	1111 1111 1.11		UEAIXFUL UEOPENER	"X'F0"" NO SPACE IN NON_UNIQUE AIX "X'FB"" FILE OPEN ERROR
	1111 1111.		UEUNEXP	"X'FE" UNEXPECTED ERROR
FILE (TYPE BYTE E ATES THE ST	DE EQUATES EQUATES FOR UEPERR AGE DURING BACKOUT AT WHICH	
			XBFENO	"X'00" NO ERROR
	1		XBFERU	"X'01" READ UPDATE ERROR
	1 1		XBFERE XBFEWR	"X'04" REWRITE ERROR "X'08" WRITE ERROR
	1		XBFEDL	"X'20" DELETE ERROR
			. ===	

Offset Hex	Туре	Len	Name (Dim)	Description
END	OF FILE CONTRO	OL ERROR TYP	E BYTE EQUATES	
	1		UERTPREP	"X'80" PREPARE
	.1		UERTCOMM UERTBACK	"X'40" COMMIT UNCONDITIONALLY "X'20" BACKOUT
	1		UERTDGCS	"X'10" LOST TO CICS INITIAL START
	1		UERTDGNK	"X'08" RM SHOULD NOT BE IN-DOUBT
	1		UERTWAIT	"X'04" RM WILL HAVE TO WAIT FOR OUTCOME
	1.		UERTRSYN UERTLAST	"X'02'" RESYNC "X'01'" LAST COMMIT/ABORT IN THREAD
	1		UERTONLY	"X'80" RM IS ONLY UPDATER - TRUE CAN PERFORM SINGLE PHASE COMMIT
	.1		UERTELUW	"X'40" RM IS READ ONLY - TRUE CAN INVOKE RM WITH END LUW CALL.
	1		UERFPREP UERFBACK	"4" VOTE-YES "8" VOTE-NO
	11		UERFNLOG	"12" VOTE-YES-BUT-DO-NOT-LOG
	1		UERFDONE	"4" COMMIT/ABORT COMPLETE
	1		UERFHOLD UERFOK	"8" REMEMBER COMMIT/ABORT "4" SINGLE PHASE (UERTONLY): COMMITTED OK
	1		UERFBOUT	"8" SINGLE PHASE (UERTONLY): BACKED OUT
	1		UERTEOTR	"X'80" END OF THREAD
	.1 11.		UERTSOTR	"X'40" START OF TASK
	.11.		UERTRTTR UERTRTST	"X'82'" no longer used "X'42'" no longer used
	1		UERFEOTR	"4" CALL UNDERSTOOD
	1		UERTCONN	"X'80" EXTERNAL RESOURCE MANAGER IS
	.1 1		UERTNCON UERTCORD	"X'40" EXTERNAL RESOURCE MANAGER IS NOT "X'80" CICS Orderly Termination
	.1		UERTCIMM	"X'40" CICS Orderly Termination "X'40" CICS Immediate Termination
	1		UERTCABY	"X'20" CICS ABEND (Retry possible - TCBs Dispatchable)
	1		UERTCABN	"X'10" CICS ABEND (Retry NOT possible - TCBs Dispatchable) "X'01" Operator Cancel (Retry NOT possible - TCBs NOT dispatchable)
	1	lahal Haas Frit N	UERTOPCA	A 01 Operator Cancer (Retry NO1 possible - TCBs NO1 dispatchable)
EXII	ID EQU-LIST - GI	iodai User Exil in	XTCIN	*4*
	1.		XTCOUT	"2"
	11		XTCATT	"3"
	1		XTCTIN XTCTOUT	"4" "5"
	11.		XDSBWT	"6"
	111		XDSAWT	"7"
	1		XLGSTRM	"8" "9"
	1.1.		XDUREQ XDUCLSE	"10"
	1.11		XDUOUT	"11"
	11		XMEOUT	"12"
	11.1		XFCREQ XFCREQC	"13" "14"
	1111		XTSPTOUT	"15"
	1		XGMTEXT	"16"
	11		XMNOUT XRCINIT	"17" "18"
	111		XRCINPT	"19"
	1 .1		XICREQ	"20"
	1 .1.1		XICEXP	"21" "22"
	1 .111		XISLCLQ XPCFTCH	"23"
	1 1		XPCHAIR	"24"
	1 11		XPCTA	"25"
	1 1.1.		XPCABND XPCREQ	"26" "27"
	1 11		XPCREQC	"28"
	1 11.1		XTDREQ	"29"
	1 111.		XTDIN XTDOUT	"30" "31"
	1		XTSQRIN	"32"
	11		XTSQROUT	"33"
	11.		XTSPTIN XZCIN	"34" "35"
	11		XZCOUT	"36"
	11.1		XZCATT	"37"
	111.		XZCOUT1	"38"
	1111		XXRSTAT XXDFA	"39" "40"
	1. 11		XXDFB	"41"
	1. 1.1.		XXDTO	"42"
	1. 1.11		XSTOUT XDLIPRE	"43" "44"
	1. 11.1		XDLIPOST	"45"
	1. 111.		XFCSREQ	"46"
	1. 1111		XEIIN XEIOUT	"47" "48"
	111		XALTENF	"49"
	111.		XICTENF	"50"
	1111		XDTAD	"51" "52"
	11 .1		XDTRD XDTLC	52 "53"

Offset Hex	Туре	Len	Name (Dim)	Description
	11 .11.		XSTERM	"54"
	11 .111		XSRAB	"55"
	11 1		XFCSREQC	"56"
	11 11		XSZBRQ	"57"
	11 1.1.		XSZARQ	"58"
	11 1.11		XISCONA	"59"
	11 11		XRSINDI	"60"
	11 11.1		XXMATT	"61"
	11 111.		XZIQUE	"62"
	11 1111		XTSEREQ	"63"
	.1		XTSEREQC	"64"
	.11		XTDEREQ	"65"
	.11.		XTDEREQC	"66"
	.111		XICEREQ	"67"
	.11		XICEREQC	"68"
	.11.1		XALCAID	"69"
	.111.		XSNON	"70"
	.1111		XSNOFF	"71"
	.1 1		XRMIIN	"72"
	.1 11		XRMIOUT	"73"
	.1 1.1.		XAKUSER	"74"
	.1 1.11		XFCNREC	"75" "70"
	.1 11.1		XFCBFAIL	"76"
	.1 111.		XFCLDEL XFCBOVER	"77" "78"
	.1 1111		XFCBOVER	78 "79"
	.1.1		XFCVSDS	"80"
	.1.11		XFCV3D3	"81"
	.1.11.		XDUREQC	"82"
	.1.111		XFCAREQ	"83"
	.1.1 .1		XFCAREQC	"84"
	.1.1 .1.1		XEISPIN	"85"
	.1.1 .11.		XEISPOUT	"86"
	.1.1 .111		XNQEREQ	"87"
	.1.1 1		XNQEREQC	"88"
	.1.1 11		XFAINTU	"89"
	.1.1 1.1.		XBMIN	"90"
	.1.1 1.11		XBMOUT	"91"
	.1.1 11		XBADEACT	"92"
	.1.1 11.1		XLDLOAD	"93"
	.1.1 111.		XLDELETE	"94"
	.1.1 1111		XINDT1	"95"
	.11		XINDT2	"96"
	.111		XLGWBC	"97"

UEPB User exit program block

```
CONTROL BLOCK NAME = DFHUEPBC
(progeny of DFHUEPBC)

DESCRIPTIVE NAME = CICS (UE) User Exit Program Block DSECT
FUNCTION = Copybook for EPB DSECT.
   The EPBs are used by User Exits to hold information about
   programs that have been enabled as User exit programs.
   The EPBs are shared by the exit points that have had the
   program enabled, so that there is only one \ensuremath{\mathsf{EPB}} for a program
   even if it has been enabled at multiple exit points.
   They are chained off the UETHEPBC field in the User Exit
   Table Header (UETH).
   For a particular exit, when the first program is enabled for
   the exit, an EPB is created (or reused if one already exists
   for another exit). The address of the first EPB for an exit
   point is stored in the User Exit Table Entry (UETE) for that
   exit point.
   For every subsequent program enabled at the same exit point,
   an EPL will be created. This EPL chain is also chained off
   the UETE. The EPLs simply point to EPBs for all the programs
   enabled for an exit point.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS = None
MODULE TYPE = Control block definition
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	104	DFHEPB	EPB CONTROL BLOCK
(0)	CHARACTER	4	EPBSAA	STORAGE ACCOUNTING AREA
(4)	ADDRESS	4	EPBCHAIN	ADDRESS OF NEXT EPB
(8)	CHARACTER	8	EPBEPN	NAME OF EXIT PROGRAM
(10)	ADDRESS	4	EPBEPA	ADDRESS OF EXIT PROGRAM
(14)	ADDRESS	4	EPBGAA	ADDRESS OF GLOBAL AREA
(18)	HALFWORD	2	EPBGAL	LENGTH OF GLOBAL AREA
(1A)	HALFWORD	2	EPBGCNT	GLOBAL AREA USE-COUNT
(1C)	FULLWORD	4	EPBTCNT	TIE-COUNT
(20)	CHARACTER	8	EPBTICHN_CDS	
(20)	ADDRESS	4	EPBTICHN	Anchor for unused TIEs
(24)	FULLWORD	4	EPBTICHN_CT	Security counter
(28)	CHARACTER	8	EPBCNTS_CDS	
(28)	FULLWORD	4	EPBINST	Instance count
(2C)	FULLWORD	4	EPBICNT	Invocation count & start bit Bit 0 on = started
(2C)	BITSTRING	1	*	
	1		UESTART	X'80'
	.111 1111		*	reserved
(2D)	UNSIGNED	3	*	reserved
(30)	HALFWORD	2	EPBACNT	ACTIVATION COUNT
(32)	HALFWORD	2	EPBTAL	LENGTH OF TASK AREA
(34)	BITSTRING	1	EPBFLAGS	FLAG-BYTE
	1		UENODEL	X'80' prog loaded by user - do not delete when disabling
	.1		*	X'40' reserved
	1		UEDISABL	X'20' entryname is disabled
	1		UERESYNC	X'10' exec resync issued
	1		UELINKAM	X'08' linkeditmode specified
	1		UEIDWAIT	X'04' indoubtwait specified
	11		*	reserved
(35)	CHARACTER	3	*	Reserved
(38)	FULLWORD	4	EPBBIND	INTEREST PROFILE
(3C)	CHARACTER	8	EPBEMN	LOAD-MODULE NAME
(44)	CHARACTER	8	EPBQUAL	Qualifier to TRUE's name
(4C)	CHARACTER	8	EPBTSPTK	TIE STORAGE SUBPOOL TOKEN
(54)	ADDRESS	4	EPBTIEA	Addr of TIE resvd for shutdwn
(58)	ADDRESS	4	EPBPGTKN	Program Token
(5C)	CHARACTER	8	EPBENTIM	Time EPB built
(64)	CHARACTER	2	EPBTPGMM	TRUE's program_mode
(66)	CHARACTER	2	EPBGPGMM	GLUE's program_mode
(68)	CHARACTER		EPBEND	End

Value Description Name Len Type DECIMAL **EPBLEN** EPB length

UEPL User exit program link

CONTROL BLOCK NAME = DFHUEPLC

(progeny of DFHUEPLC)
DESCRIPTIVE NAME = CICS (UE) User Exit Program Link DSECT FUNCTION = Copybook for EPL DSECT.

The EPLs are used by User Exits to link User Exit Blocks

(EPBs) together. There is one EPB per enabled program, and the EPBs are shared by the exit points that have had the

program enabled.

For a particular exit, when the first program is enabled for

the exit, an EPB is created (or reused if one already exists for another exit). The address of the first EPB is stored in

the User Exit Table Entry (UETE) for that exit point.

For every subsequent program enabled at the same exit point, an EPL will be created. This EPL chain is also chained off

the UETE. The EPLs simply link to EPBs for all the programs

enabled for an exit point.

NOTES:

DEPENDENCIES = S/370

RESTRICTIONS = None

MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DFHEPL	EXIT PROGRAM LINK
(0)	CHARACTER	4	EPLSAA	STORAGE ACCOUNTING AREA
(4)	ADDRESS	4	EPLNEPL	ADDRESS OF NEXT EPL
(8)	CHARACTER	8	EPLENTIM	TIME EPL BUILT
(10)	ADDRESS	4	EPLEPBA	ADDRESS OF EPB
(14)	FULLWORD	4	EPLINST	INSTANCE NUMBER
(18)	CHARACTER		EPLEND	END

UETE User exit table entry

CONTROL BLOCK NAME = DFHUETEC (progeny of DFHUETEC)
DESCRIPTIVE NAME = CICS (UE) User Exit Table Entry DSECT FUNCTION = Copybook for UETE DSECT.

The UETE contains information specific to a particular exit point. There is one entry per exit point in CICS and all the entries are GETMAINED and initialised by DFHSIC1 during CICS

Initialisation. When a program is enabled at an exit point, a pointer to the EPB for the program is set in the UETE. For the first program enabled at the exit point, the EPB address is stored directly in the UETEEPBA field. Subsequent programs enabled at the same exit point, will get an EPL created for them. (The EPL points to an EPB). The EPL chain is chained off the UETENEPL field. When a CICS Exit is invoked, the UETE associated with the exit point is checked. If the UETEEBPA field is non zero, then control is passed to the program defined in the first EPB. On return from this program, the UETENEPL is chained down, and every program pointed to via the EPL is passed

control (in the order the exits were enabled). NOTES:

DEPENDENCIES = S/370 RESTRICTIONS = None

MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	40	DFHUETE	
(0)	UNSIGNED	1	UETEEXN	EXIT NUMBER
(1)	CHARACTER	1	*	RESERVED
(2)	HALFWORD	2	UETEDRC	DEFAULT RETURN-CODE
(4)	HALFWORD	2	UETEMRC	MAXIMUM RETURN-CODE
(6)	UNSIGNED	2	UETEFLGS	FLAG BYTES
(6)	UNSIGNED	1	UETEFLG1	FLAG1
(7)	BITSTRING	1	UETEFLG2	FLAG2
	1		UETEXCAP	Exit is EXEC capable
	.1		UETERCSV	May be called recursively
	11 1111		*	Reserved
(8)	ADDRESS	4	UETEFEPL	First EPL
(C)	FULLWORD	4	UETECHNG	Change CTR for EPL chains
(10) (28)	CHARACTER CHARACTER	24	UETEPL UETEEND	EPL (EPLEND-DFHEPL)

Constants

Len	Туре	Value	Name	Description
1	DECIMAL	0	UETEAPE	EXIT IN AP DOMAIN
1	DECIMAL	255	UETEALL	EXIT IN ALL DOMAINS (POSSIBLY)

UETH User exit table header

CONTROL BLOCK NAME = DFHUETHC

(progeny of DFHUETHC)

DESCRIPTIVE NAME = CICS (UE) User Exit Table Header DSECT FUNCTION = Copybook for UETH DSECT.

The UETH contains global information used by User Exits. The User Exit table consists of a header section, followed by a list of Table Entries (UETEs). There is one UETE per exit point in CICS.

The User Exit Table is created in DFHSIC1 during CICS Initialisation.

NOTES:

DEPENDENCIES = S/370

RESTRICTIONS = None

MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	176	DFHUETH	
(0)	UNSIGNED	4	UETHWA (32)	USER EXIT HANDLER'S WORK AREA
(80)	ADDRESS	4	UETHEPBC	ANCHOR FOR EPB CHAIN
(84)	ADDRESS	4	UETHLEA	ADDRESS OF LAST UET ENTRY
(88)	HALFWORD	2	UETHLEN	LENGTH OF UET
(8A)	HALFWORD	2	UETHTSCT	no. exits interested in TASKSTART
(8C)	BITSTRING	1	UETHFLAG	UET Flags
(8D)	UNSIGNED	3	*	RESERVED
(90)	CHARACTER	8	UETHTRUB	TRUE subpool token below
(98)	ADDRESS	4	UETHEPBL	Lock_Token for EPBCHAIN lock
(9C)	CHARACTER	4	*	Reserved
(A0)	CHARACTER	8	UETHEPBT	EPB subpool token above the line
(A8)	ADDRESS	4	UETHFEPL	Chain of free EPL's
(AC)	ADDRESS	4	UETHFEPB	Chain of free EPB's
(B0)	CHARACTER		UETHEND	

DSECT.

URL User supplied route list entry

MODULE NAME = DFHULRDS DESCRIPTIVE NAME = CICS USER-SUPPLIED ROUTE LIST ENTRY COPYBOOK DFHURLDS. All programs which issue DFHBMS TYPE=ROUTE macro instructions must contain a user-supplied route list, defining the terminals and/or operator to which the logical message is to be routed. The entries in the route list must be formatted as described by this

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHURLDS	DUMMY SECTION - USER'S ROUTE LIST
(0)	CHARACTER	4	URLTRMID	TERMINAL IDENTIFICATION
(4)	CHARACTER	2	URLLDCMN	LOGICAL DEVICE MNEMONIC
(6)	CHARACTER	3	URLOPID	OPERATOR IDENTIFICATION
(9)	BITSTRING	1	URLTSF	STATUS FLAG
. ,	1		URLSKIP	"X'80" USER ROUTE LIST ENTRY SKIPPED
	.1		URLITI	"X'40'" INVALID TERMINAL IDENTIFICATION
	1		URLNS	"X'20" TERMINAL NOT SUPPORTED UNDER BMS
	1		URLONSO	"X'10" OPERATOR NOT SIGNED ON
	1		URLSOUST	"X'08" OPERATOR SIGNED ON UNSUPPORTED TERMINAL
	1		URLINVMN	"X'04'" INVALID LDC MNEMONIC
(A)	CHARACTER	6	URLRESV	RESERVED - MUST BE BLANKS
	1		URLNEXT	"*" START NEXT ENTRY
(0)	CHARACTER	2	URLCHIND	URL CHAIN INDICATOR
THE FC	LLOWING ARE ACCE	PTABLE V	'ALUES FOR 'URLCHIND'	
(0)	BITSTRING		URLEND	"X'FFFF" END OF URL
(0)	BITSTRING		URLCONT	"X'FFFE" URL CONTINUED IN NEXT SEGMENT
(2)	CHARACTER	2		RESERVED
(4)	CHARACTER	4	URLCHADR	URL CHAIN ADDRESS (NEEDED WHEN URLCHIND IS X'FFFE')
	1		URLCAD	"*-DFHURLDS" LENGTH OF USER ROUTE LIST ENTRY

VMID Module identifier

CONTROL BLOCK NAME = DFHVMDS
DESCRIPTIVE NAME = CICS Module Identifier.
FUNCTION =
All CICS modules begin with a DFHVM macro that expands to generate the name of the module, its entry point address, the version, modification level and the date and time of assembly. The expansion of the macro is described by DFHVMDS.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHVMDS	MODULE IDENTIFIER
(0)	CHARACTER	1	VMSTART	'*' EYECATCHER
(1)	CHARACTER	8	VMNAME	FULL NAME FIELD
(9)	ADDRESS	4	VMEPA31	Entry point
(D)	CHARACTER	4	VMVERS	VERSION AND MOD LEVEL
(11)	CHARACTER	1	VMASM	ASSEMBLED BY USER
(12)	CHARACTER	2	VMTIME	ASSEMBLY TIME
(14)	CHARACTER	2	VMDATE	ASSEMBLY DATE
(16)	CHARACTER	8	VMPTFNO	PTF NUMBER
(1E)	BITSTRING	1	VMFLAG1	FIRST FLAG FIELD
	.1		VMDLIGEN	"X'40" DL/I GENERATED
	1		VMMVSGEN	"X'10" FOR MVS
	1		VMSRBGEN	"X'08'" SRB GENERATED
	1		VMMVS811	"X'04"" FOR MVS/811
	1 1111		VMLNGTH	"*-DFHVMDS" MEMBER-DEPENDENT LENGTH

VSWA Fc VSAM work area

CONTROL BLOCK NAME = DFHVSWAS DESCRIPTIVE NAME = CICS/ESA (FC) VSAM WORK AREA FUNCTION = The VSWA is the File Control VSAM Work Area. The VSAM Work Area is created by the File Control Program DFHFCVS at the start of processing of a VSAM request (GET, PUT) or series of requests (GET UPDATE - PUT UPDATE, STARTBR - READNEXT - END BROWSE, etc.) and contains information related to the request. The VSWA consists of a CICS part and a VSAM part. The VSAM part is the VSAM RPL that represents the request to VSAM. The VSWA is deleted when the request is terminated. LIFETIME = Created by DFHFCVS at the start of a request or series of requests. Destroyed by FCVS when the request/series ends. STORAGE CLASS = Above 16M line. LOCATION = VSWA is pointed to by the field FRT_WORK_AREA_ADDRESS in the File Request Thread Element (FRTE). INNER CONTROL BLOCKS = The VSWA contains within it (at offset 8) the VSAM Request Parameter List (RPL). NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None. MODULE TYPE = Control block definition EXTERNAL REFERENCES = None DATA AREAS = None. CONTROL BLOCKS = None. GLOBAL VARIABLES (Macro pass) = None. VSAM WORK AREA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	DFHVSWA	VSAM work area
(0)	CHARACTER	8	VSWA_SAA	This section replaces the old storage accounting area
(0)	CHARACTER	1	VSWACLS	Stg class
(1)	CHARACTER	1	*	Reserved
(2)	UNSIGNED	2	VSWALNTH	Length of VSWA
(4)	ADDRESS	4	VSWANXT	Next VSWA on free chain
(8)	CHARACTER	76	VSWARPL	VSAM Request Parameter List
(8)	FULLWORD	4	VSWAIDWD	RPL identification word

Offset Hex	Туре	Len	Name (Dim)	Description
(8)	UNSIGNED	1	VSWAID	RPL identifier
(9)	UNSIGNED	1	VSWASTYP	RPL subtype
(A)	UNSIGNED	1	VSWAREQ	Request type
(B)	UNSIGNED	1	VSWARLEN	RPL length
(C)	ADDRESS	4	VSWAPLHP	PLH address
(10)	ADDRESS	4	VSWAECB	Event control block (ECB) or address of ECB if VSWAECBS = '1'B
(10)	CHARACTER	4	VSWAECBC	ECB as string
(14)	CHARACTER	4	VSWARESP	RPL response bytes
(14)	UNSIGNED	1 3	VSWASTAT	RPL status flags RPL feedback area
(15) (15)	CHARACTER UNSIGNED	3 1	VSWAFDBK VSWARTNC	RPL return code
(16)	CHARACTER	2	VSWACNDC	RPL condition code
(16)	UNSIGNED	1	VSWACMPN	Component issuing the code
(17)	UNSIGNED	1	VSWAERRC	Error Code
(18)	HALFWORD	2	VSWARKYL	RPL key length
(1A)	HALFWORD	2	VSWASTID	RPL string identifier
(1C)	ADDRESS	4	VSWACCHR	Control character address
(20)	ADDRESS	4	VSWAACB	ACB address
(24) (28)	ADDRESS ADDRESS	4 4	VSWATCB VSWAREA	TCB address Area Address
(2C)	ADDRESS	4	VSWARG	Argument address
(30)	CHARACTER	4	VSWAOPTC	Option codes
(30)	UNSIGNED	1	VSWAOPT1	Option code byte 1
` ,	1		*	Reserved
	.1		VSWADIR	Direct search access
	1		VSWASEQ	Sequential access
	1		*	Reserved
	1		VSWAASY	Asynchronous request
	11.		* VOM/AFORO	Reserved
(21)	1 UNSIGNED	1	VSWAECBS VSWAOPT2	VSWAECB has ADDR(ECB) Option code byte 2
(31)	1111 11	'	*	Reserved
	1.		VSWAUPD	Update Processing
	1		*	Reserved
(32)	UNSIGNED	1	VSWAOPT3	Option code byte 3
(33)	UNSIGNED	1	VSWAOPT4	Option code byte 4
(34)	ADDRESS	4	VSWANRPL	Next RPL Address
(38)	FULLWORD	4	VSWALEN	Record length
(3C)	FULLWORD	4	VSWABUFL	Buffer length
(40) (44)	FULLWORD	4 8	VSWARBAR	Reserved RBA return field
(44)	CHARACTER FULLWORD	4	*	NDA Teturi rielu
(48)	UNSIGNED	4	VSWALRBA	Record RBA
(4C)	UNSIGNED	1	*	Reserved
(4D)	UNSIGNED	1	VSWACTIV	Check not issued
(4D) (4E)	UNSIGNED HALFWORD	1 2	VSWACTIV VSWAEML	Check not issued Error message length
(4E) (50)	HALFWORD	2	VSWAEML	Error message length
(4E) (50) VA	HALFWORD ADDRESS RIABLE SECTION	2 4	VSWAEML VSWAEMA	Error message length Error message area address END OF FIXED SECTION
(4E) (50) VA (54)	HALFWORD ADDRESS RIABLE SECTION CHARACTER	2	VSWAEML	Error message length Error message area address END OF FIXED SECTION Variable section 0
(4E) (50) VA	HALFWORD ADDRESS RIABLE SECTION	2 4	VSWAEML VSWAEMA VSWAVRS0	Error message length Error message area address END OF FIXED SECTION
(4E) (50) VA (54) (54)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS	2 4 20 4 4 4	VSWAEMA VSWAVRS0 VSWAFCT	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr
(4E) (50) VA (54) (54) (58) (5C) (60)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD	2 4 20 4 4 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument
(4E) (50) VA (54) (54) (58) (5C) (60) (62)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD	2 4 20 4 4 4 2 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS	2 4 20 4 4 4 2 2 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS CHARACTER	2 4 4 4 4 2 2 4 12	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWA_BKL * VSWAVRS2	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2
(4E) (50) VA (54) (58) (5C) (60) (62) (64) (68) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS	2 4 4 4 4 2 2 4 12	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWA_BKL * VSWAVRS2 VSWARIF	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS CHARACTER	2 4 4 4 4 2 2 4 12	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_ LOCK VSWA_DELETE_ LOCK VSWAENQL VSWAENQL VSWAENKL * VSWAVRS2 VSWARIF VSWASTLR	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2
(4E) (50) VA (54) (58) (5C) (60) (62) (64) (68) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS BITSTRING	2 4 4 4 4 2 2 4 12 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWA_BKL * VSWAVRS2 VSWARIF	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes
(4E) (50) VA (54) (58) (5C) (60) (62) (64) (68) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS BITSTRING 1	2 4 4 4 4 2 2 4 12 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWAENQL VSWAPK2 VSWAVRS2 VSWAVRS2 VSWAVRS1 VSWABGEN	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress
(4E) (50) VA (54) (58) (5C) (60) (62) (64) (68) (68)	HALFWORD ADDRESS CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS BITSTRING 1	2 4 4 4 4 2 2 4 12 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWAENGL * VSWAVRS2 VSWARIF VSWASTLR VSWABGEN VSWABRBA	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ
(4E) (50) VA (54) (58) (5C) (60) (62) (64) (68) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS BITSTRING 1	2 4 4 4 4 2 2 4 12 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL * VSWAVRS2 VSWAVRS2 VSWAVIF VSWASTLR VSWASTLR VSWABGEN VSWABRBA VSWABIP VSWA_SEQUENTIAL *	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved
(4E) (50) VA (54) (58) (5C) (60) (62) (64) (68) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS BITSTRING 1	2 4 4 4 4 2 2 4 12 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL * VSWAVRS2 VSWARIF VSWASTLR VSWABGEN VSWABGEN VSWABBA VSWABIP VSWA_SEQUENTIAL * VSWA_DT_WAIT	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete
(4E) (50) VA (54) (58) (5C) (60) (62) (64) (68) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS BITSTRING 1	2 4 4 4 4 2 2 4 12 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL VSWAVRS2 VSWAVRS2 VSWARIF VSWASTLR VSWABGEN VSWABGEN VSWABBA VSWABIP VSWA_SEQUENTIAL VSWA_DT_WAIT VSWA_0890_WAIT	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C)	HALFWORD ADDRESS CHARACTER ADDRESS ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS ITSTRING 1	2 4 4 4 2 2 4 12 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL * VSWAVRS2 VSWARIF VSWASTLR VSWABGEN VSWABGEN VSWABBA VSWABIP VSWA_SEQUENTIAL * VSWA_DT_WAIT	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight
(4E) (50) VA (54) (58) (5C) (60) (62) (64) (68) (68)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS BITSTRING 1	2 4 4 4 4 2 2 4 12 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL VSWAVRS2 VSWAVRS2 VSWARIF VSWASTLR VSWABGEN VSWABGEN VSWABBA VSWABIP VSWA_SEQUENTIAL VSWA_DT_WAIT VSWA_0890_WAIT	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (66)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWOR	2 4 4 4 2 2 4 12 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL * VSWAVRS2 VSWARIF VSWASTLR VSWABGEN VSWABBA VSWABBP VSWABBP VSWA_SEQUENTIAL * VSWA_DT_WAIT VSWA_0890_WAIT VSWA_INFLIGHT *	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6D) (6E) (70) (74)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS BITSTRING 1	20 4 4 4 2 2 4 12 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL * VSWAVRS2 VSWARIF VSWASTLR VSWABGEN VSWABBA VSWABBP VSWABBP VSWA_SEQUENTIAL * VSWA_DT_WAIT VSWA_0890_WAIT VSWA_INFLIGHT *	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6D) (6E) (70) (74) (74)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD	2 4 4 4 2 2 2 4 12 4 2 2 4 2 4 4 2 4 4 2 4 4 4 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWAENT * VSWAVRS2 VSWARIF VSWASTLR VSWABBA VSWABBA VSWABBA VSWABBA VSWABIP VSWA_SEQUENTIAL * VSWA_DT_WAIT VSWA_0890_WAIT VSWA_INFLIGHT * VSWAVRS3 *	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6D) (6E) (70) (74) (74) (78)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD HALFWORD ADDRESS BITSTRING 1	2 4 4 4 4 2 2 4 12 4 2 1 1 2 4 4 2 4 4 4 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWA_BKL * VSWAVRS2 VSWARIF VSWASTLR VSWABGEN VSWABGEN VSWABIP VSWA_SEQUENTIAL * VSWA_DT_WAIT VSWA_0890_WAIT VSWA_INFLIGHT * VSWAVRS3 * VSWANEXT	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved Pointer to next VSWA in base cluster chain.
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(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6E) (70) (74) (74) (74) (75) (80)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS BITSTRING 1	2 4 4 4 2 2 4 12 4 2 2 4 12 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWASEN VSWASTLR VSWASTLR VSWABGEN VSWABRBA VSWABRBA VSWABIP VSWA_SEQUENTIAL * VSWA_DT_WAIT VSWA_0890_WAIT VSWA_INFLIGHT * VSWAVRS3 * VSWAVRS3 * VSWANEXT VSWAPREV VSWAPREV VSWACHN	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved Pointer to next VSWA in base cluster chain. Pointer to previous VSWA in base cluster chain. General VSWA chain field
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(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6E) (70) (74) (74) (74) (75) (80)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS BITSTRING 1	2 4 4 4 2 2 4 12 4 2 2 4 64 4 4 4 4 4 4 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWASEN VSWASTLR VSWASTLR VSWABGEN VSWABRBA VSWABRBA VSWABIP VSWA_SEQUENTIAL * VSWA_DT_WAIT VSWA_0890_WAIT VSWA_INFLIGHT * VSWAVRS3 * VSWAVRS3 * VSWANEXT VSWAPREV VSWAPREV VSWACHN	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved Pointer to next VSWA in base cluster chain. Pointer to previous VSWA in base cluster chain. General VSWA chain field
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(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (66) (67) (60) (61) (74) (74) (74) (74) (74) (74) (78) (70) (80) (80) (80) (80) (80) (80) (80) (8	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD HALFWORD ADDRESS CHARACTER ADDRESS BITSTRING 1	2 4 4 4 2 2 4 12 4 2 2 4 12 4 4 4 4 4 4	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWAENT * VSWAVRS2 VSWARIF VSWABGEN VSWABBPA VSWABBPA VSWABBPA VSWABPA VSWABIF * VSWA_DT_WAIT VSWA_0890_WAIT VSWA_INFLIGHT * VSWAVRS3 * VSWAVRS3 * VSWANEXT VSWAPEV VSWACHN VSWACHN VSWACHN VSWACWND VSWAEXW VSWAEXW VSWAEXW VSWAEXU VSWAEXW VSWAEXW VSWAEXW VSWAEXW VSWAEXW VSWAEXW VSWAEXW VSWAEXI	Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved Pointer to previous VSWA in base cluster chain. Pointer to previous VSWA in base cluster chain. General VSWA chain field Pointer to NSWA chain for me. Pointer to VSWA for which I am waiting. ECB posted when exclusive control conflict has been resolved. VSAM work area indicators
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6D) (6E) (70) (74) (74) (74) (74) (75) (80) (80) (84) (88) (88) (8C)	HALFWORD ADDRESS CHARACTER ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS CHARACTER ADDRESS BITSTRING 1	2 4 4 4 2 2 4 12 4 2 2 4 12 4 2 4 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWAENT VSWAS2 VSWARIF VSWASGEN VSWABRBA VSWABIP VSWA_BEQUENTIAL * VSWA_DT_WAIT VSWA_DBJ_WAIT VSWA_INFLIGHT * VSWAVRS3 * VSWAVRS3 * VSWAVRS3 * VSWAVRS3 * VSWAVRS1 * VSWAVRS3 * VSWAVRS1 VSWAVRS2 VSWAVRS3 VSWAVRS1 VSWAVRS1 VSWAVRS1 VSWAVRS1 VSWAVRS1 VSWAVRS2 VSWAVRS3 VSWAVRS4 V	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved Pointer to next VSWA in base cluster chain. Pointer to previous VSWA in base cluster chain. General VSWA chain field Pointer to next VSWA waiting for my owner. Pointer to VSWA chain for me. Pointer to VSWA for which I am waiting. ECB posted when exclusive control conflict has been resolved. VSAM ENDREQ is required
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6D) (6E) (70) (74) (74) (74) (74) (75) (80) (80) (84) (88) (88) (8C)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS ADDRESS HALFWORD	2 4 4 4 2 2 4 12 4 2 2 4 12 4 2 4 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWASTLR VSWASTLR VSWABGEN VSWABRBA VSWABRBA VSWABIP VSWA_DT_WAIT VSWA_O890_WAIT VSWA_INFLIGHT * VSWAEVL * VSWAVRS3 * VSWANEXT VSWAPREV VSWACHN VSWAOWND VSWAOWND VSWACWAEREQ VSWAEREQ VSWAEREQ VSWAEREQ VSWAEREQ VSWAEREQ VSWAEREC	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved Pointer to next VSWA in base cluster chain. Pointer to previous VSWA in base cluster chain. General VSWA chain field Pointer to to VSWA chain field Pointer to to VSWA chain for me. Pointer to VSWA chain for me. Pointer to VSWA for which I am waiting. ECB posted when exclusive control conflict has been resolved. VSAM work area indicators VSAM ENDREQ is required This is a browse VSWA
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(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6D) (6E) (70) (74) (74) (74) (74) (75) (80) (80) (84) (88) (88) (8C)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS ADDRESS HALFWORD	2 4 4 4 2 2 4 12 4 2 2 4 12 4 2 4 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWAENT * VSWAVRS2 VSWARIF VSWABGEN VSWABBP VSWASEQUENTIAL * VSWA_DT_WAIT VSWA_DT_WAIT VSWA_INFLIGHT * VSWAVRS3 * VSWAVRS3 * VSWAVRS3 * VSWAVRS3 * VSWAVRS1 VSWACHN VSWACHN VSWACHN VSWACHN VSWAOWND VSWACWN VSWAEXU VSWAEREQ VSWAERS1 VSWARS1 VSWAEREQ VSWABRZI VSWAMASS VSWAFRST	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved Pointer to next VSWA in base cluster chain. Pointer to previous VSWA in base cluster chain. General VSWA chain field Pointer to vsWA chain for me. Pointer to VSWA for which I am waiting. ECB posted when exclusive control conflict has been resolved. VSAM ENDREQ is required This is a browse VSWA Assi nsert VSWA First request in BROWSE or MASS INSERT sequence or single ADD.
(4E) (50) VA (54) (54) (58) (5C) (60) (62) (64) (68) (68) (6C) (6D) (6E) (70) (74) (74) (74) (74) (75) (80) (80) (84) (88) (88) (8C)	HALFWORD ADDRESS RIABLE SECTION CHARACTER ADDRESS ADDRESS ADDRESS HALFWORD ADDRESS CHARACTER ADDRESS BITSTRING 1	2 4 4 4 2 2 4 12 4 2 2 4 12 4 2 4 4 2	VSWAEML VSWAEMA VSWAVRS0 VSWAFCT VSWA_RECORD_LOCK VSWA_DELETE_LOCK VSWAENQL VSWAENQL VSWASEN VSWASTLR VSWASTLR VSWABBBA VSWABBP VSWASEQUENTIAL * VSWA_DT_WAIT VSWA_O890_WAIT VSWA_INFLIGHT * VSWAVRS3 * VSWANEXT VSWAPREV VSWACHN VSWACHN VSWACHN VSWAOWND VSWAOWND VSWAOWND VSWAEREQ VSWAEREQ VSWAEREQ VSWAEREQ VSWAEREQ VSWAEREC	Error message length Error message area address END OF FIXED SECTION Variable section 0 File control table entry addr Addr record lock area Addr delete lock area Length of ENQ argument Base key/RBA/RRN length Reserved Variable section 2 Record ID field address STARTBR request codes Generic browse RBA browse Browse in progress Browse positioned for SEQ Reserved Data table open is waiting for this request to complete This request is waiting for requests flagged 0890_POST to complete VSAM request is in flight Reserved Key length Reserved Variable section 3 Reserved Pointer to next VSWA in base cluster chain. Pointer to previous VSWA in base cluster chain. General VSWA chain field Pointer to vSWA chain for me. Pointer to VSWA chain for me. Pointer to VSWA chain for me. Pointer to VSWA for which I am waiting. ECB posted when exclusive control conflict has been resolved. VSAM work area indicators VSAM ENDREQ is required This is a browse VSWA Mass insert VSWA

Offset Hex	Туре	Len	Name (Dim)	Description
	1.		VSWALSRP	Path browse request to LSR file.
	1		*	Reserved
(8E)	HALFWORD	2	VSWASTG	Number of strings allocated to access request for a file using LSR.
(90)	FULLWORD	4	VSWARQST	VSAM Request code
(94)	CHARACTER	4	VSWA_JECN	System log event number
(98)	CHARACTER	4	VSWA_SAVE_OPTC	Saved RPL option bytes
(9C)	ADDRESS	4	VSWASV12	TCA address
(A0)	ADDRESS	4	VSWA_FRTE	Address of related FRTE
(A4)	HALFWORD	2	VSWA_REQD_ STRINGS	Number of strings required for a request (LSR only)
(A6)	BITSTRING	1	*	
	1		VSWA_REM	Need to release exclusive conflict resources.
	.1		VSWA_MASS_ INSERT	Mass insert
	1		VSWA_ADD_ DELETE	Single add or delete
	1		VSWALOCK	End of range id. is locked and must be released
	1		VSWA_ESDS_LOCK	ESDS WRITE lock held
	1		VSWA_UPDATE	Performing an update
	1.		VSWA_NONRECOV_	
			LOCK	
				Record lock held for duration of read update of non-recoverable file.
	1		*	Reserved
(A7)	BITSTRING	1	*	
	1		VSWA_0890_POST	DFHFCVR is waiting for this request to complete. Set by DFHFCVR to indicate its interest in
				completion of request
	.1		VSWA_BACKWARDS	Backward browse
	11 1111		*	Reserved
(A8)	ADDRESS	4	VSWA_DATA_ BUFFER1	1st work-buffer address
(AC)	ADDRESS	4	VSWA_DATA_ BUFFER2	2nd work-buffer address
(B0)	HALFWORD	2	VSWA_LAST_LEN	Last specified keylength
(B2)	HALFWORD	2	VSWA_LOG_LENGTH	Length for logging
(B4)	CHARACTER	*	VSWADBA	End of fixed part of VSWA
Refere	ence key copy.			
(B4)	CHARACTER	*	VSWAXKEY	Reference key

Extension for base key copy.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	VSWAENID	Enqueue identifier
(0)	ADDRESS	4	VSWABCAD	Addr of base cluster block
(4)	CHARACTER	*	VSWABKEY	Primary key of record

WBCDC Web interface converter parms

-

This copybook defines the parameter lists which are passed to the 2 functions (DECODE and ENCODE) of the user replaceable converter program.

The top level definition for dfhcommarea.

CHARACTER

 Offset Hex
 Type
 Len
 Name (Dim)
 Description

 (0)
 STRUCTURE
 *
 DFHCOMMAREA

COMM_PARMLIST

--

(0)

The fields at the start of the converter commarea must be accessible independent of the converter function being called. These declarations provide a definition of the commarea in terms of these common fields.

< Variable > Meaning

< converter_ parms >

The high-level definition of the parameter area passed to the converter in the COMMAREA.

< converter_ eyecatcher >

The eyecatcher used to determine that the converter COMMAREA is not corrupt. The value it takes varies depending on the converter function involved. The possible values are defined in the DFHWBUCx copybook.

< converter_ function >

The value used to determine which converter function is involved on this call. Possible values are the constants DECODE, ENCODE.

< converter_ response >

The fullword response value produced by a converter which has not been passed a valid converter_function value. The recommended response in this circumstance is URP_INVALID.

< converter_ reason >

The fullword reason value returned by a converter which has not been passed a valid converter_function value.

No reason values are architected for this error situation in the CICS Web Browser Interface. Users may define their own values.

< converter_ parmlist >

The rest of the parameters. The structure of this data varies depending on which converter function is involved.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	CONVERTER_PARMS	
(0)	CHARACTER	8	CONVERTER_ EYECATCHER	
(8)	CHARACTER	1	CONVERTER_ VERSION	
(9)	CHARACTER	1	CONVERTER_ VOLATILE	
(A)	HALFWORD	2	CONVERTER_ FUNCTION	
(C)	UNSIGNED	4	CONVERTER_ RESPONSE	
(10)	UNSIGNED	4	CONVERTER_REASON	
(14)	CHARACTER	*	CONVERTER_ PARMLIST	

These declarations define the parameter list which is passed to the DECODE function of the user replaceable converter program. It is called by the server controller. The variables in the decode parameter list are as follows: < Variable > Meaning < decode_ eyecatcher > (input) A character field to contain an eyecatcher to help with diagnostics and provide a sanity check for the Converter program if required. The Server Controller sets this to the value of constant DECODE_ EYECATCHER_ INIT before calling decode. < decode_ version > (input) A single-character parameter-list version identifier. It will change whenever the layout of the parameter list changes. Possible values: Binary zero (X'00') -- pre-CICS/TS1.3 version parameter list Character zero (X'F0') -- CICS/TS1.3 version parameter list < decode_ volatile > (input) A single-character code that indicates whether the data area pointed to by "decode_ data_ptr" can be replaced or not: '0' -- The area cannot be replaced: it is part of another commarea. '1' -- The storage pointed to by "decode_ data_ptr" can be freed and replaced by a different size workarea. < decode_ function > (input) A halfword set to the constant value URP_ DECODE . Set to indicate to the converter the function required. < decode_ response > (output) The response value produced by decode. Possible values are: - URP_OK - URP_ EXCEPTION
- URP_INVALID - URP_DISASTER < decode_ reason > (output) The reason for a response produced by decode. The architected values for EXCEPTION responses are: - URP_ SECURITY_FAILURE Other values may be supplied and given user-defined meanings. < decode client address > (input) The IP address of the client. < decode_ client_ address_string > (input) The IP address of the client in "ww.xx.yy.zz" format. < decode data ptr > (input / output) A pointer to the HTTP request sent by the client. < decode_ method_ ptr > (input) Pointer to the method specified on the HTTP request sent by the < decode http version ptr > (input) Pointer to a string identifying the HTTP version supported by the < decode_ http_resource_ ptr > (input) Pointer to the CICS resource requested by the client. In HTTP protocol terminology, this is the "absolute path" information in the HTTP request. Because CICS does not have any concept of "paths" or the hierarchical file systems on which paths rely, we have to use a term more appropriate to CICS in our documentation.

< decode_ request_ header_ptr > (input)
Pointer to the first HTTP header in the HTTP request. There are usually multiple HTTP headers for each HTTP request. Each header is delimited by a CR+LF. The end of the header information is delimited by a null header (that is, an additional CR+LF following final HTTP header).

< decode_ user_data_ ptr > (input)
A pointer to any user data for this HTTP request.

< decode_ method_ length > (input)
Length of the method specified on the HTTP request sent by the client

< decode_ http_version_ length > (input) Length of the string identifying the version of HTTP supported by the client.

< decode_ http_resource_ length > (input)
Length of the string containing the
HTTP header information for this HTTP request.
This length includes the lengths of all the delimiting CR+LFs
for all the headers, including the final CR+LF of the null header
which signals the end of the headers.

< decode_ request_ header_length > (input)
Length of the string identifying the
CICS resource requested by supported by the client.

< decode_ user_data_ length > (input) Length of the user data.

< decode_ input_data_ len > (output)
The server input data length associated
with the program processing the HTTP request. This is set to the
default 32767, but can be overwritten in decode,
possibly to reflect information contained in the client data.
This length is used as INPUTDATALENGTH on the EXEC CICS LINK to
the user program.

< decode_ output_ data_len > (output)

The server output data length associated
with the program processing the HTTP request. This is set to the
default 32767, but can be overwritten in decode,
possibly to reflect information contained in the client data. It
is the size of the output commarea.

< decode_ server_ program > (input / output)
The CICS program invoked to process the incoming HTTP request. Initialised to the program name allocated by the ATTACH exit for the requested URL. The program name can be changed by the analyzer.

< decode_ user_token > (input / output)
A token for use by users. Could for example identify
any state data associated with this HTTP request.

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	100	DECODE_PARMS	
(0)	CHARACTER	8	DECODE_ EYECATCHER	
(8)	CHARACTER	1	DECODE_VERSION	
(9)	CHARACTER	1	DECODE_VOLATILE	
(A)	HALFWORD	2	DECODE_FUNCTION	
(C)	UNSIGNED	4	DECODE_RESPONSE	
(10)	UNSIGNED	4	DECODE_REASON	
(14)	UNSIGNED	4	DECODE_	
			CLIENT_ADDRESS	
(18)	CHARACTER	15	DECODE_ CLIENT_	
			ADDRESS_STRING	
(27)	CHARACTER	1	*	
(28)	ADDRESS	4	DECODE_DATA_PTR	
(2C)	ADDRESS	4	DECODE_ METHOD_PTR	
(30)	ADDRESS	4	DECODE_	
			HTTP_VERSION_PTR	
(34)	ADDRESS	4	DECODE_ RESOURCE_PTR	
(38)	ADDRESS	4	DECODE_ REQUEST_	
			HEADER_PTR	
(3C)	ADDRESS	4	DECODE_	
			USER_DATA_PTR	
(40)	HALFWORD	2	DECODE_	
			METHOD_LENGTH	

Offset Hex	Туре	Len	Name (Dim)	Description
(42)	HALFWORD	2	DECODE_ HTTP_VERSION_ LENGTH	
(44)	HALFWORD	2	DECODE_ RESOURCE_LENGTH	
(46)	HALFWORD	2	DECODE_ REQUEST_ HEADER_LENGTH	
(48)	FULLWORD	4	DECODE_ INPUT_DATA_LEN	
(4C)	HALFWORD	2	DECODE_ USER_DATA_LENGTH	
(50)	FULLWORD	4	DECODE_ OUTPUT_DATA_LEN	
(54)	CHARACTER	8	DECODE_ SERVER_PROGRAM	
(5C)	CHARACTER	8	DECODE_ USER_TOKEN	

These declarations define the parameter list which is passed to the ENCODE function of the user replaceable Converter program. It is called by the alias program if data mapping of the remote procedure's output is required. The parameter list is passed as a commarea from the alias.

< Variable > Meaning

< encode_ eyecatcher >

A character field to contain an eyecatcher to help with diagnostics and provide a sanity check for the Converter program if required. The alias sets this to the value of constant ENCODE_ EYECATCHER_INIT before calling encode.

< encode_ version > (input)

A single-character parameter-list version identifier. It will change whenever the layout of the parameter list changes. Possible values:

Binary zero (X'00') -- pre-CICS/TS1.3 version parameter list Character zero (X'F0') -- CICS/TS1.3 version parameter list

< encode_ volatile > (input)

A single-character code that indicates whether the data area pointed to by "encode_ data_ptr" can be replaced or not: '0' -- The area cannot be replaced: it is part of another commarea.

'1' -- The storage pointed to by "encode_ data_ptr" can be freed and replaced by a different size workarea.

< encode_ function > (input)

A halfword set to the constant value URP_ ENCODE . This is set by the alias before linking to the converter program. It allows the converter to determine which function is being requested.

< encode_ response > (output)

The fullword response value produced by decode. Possible values are:

- URP_OK
- URP_EXCEPTION
 URP_INVALID
- URP DISASTER

< encode reason > (output)

The fullword reason value returned by encode for response values other than OK. No reason values are architected for encode in the CICS Web Browser Interface. Users may define their own values.

< encode data ptr > (input)

A pointer reference to the storage area containing the output from the server program which is to be manipulated by the encode function

< encode_ input_data_ len > (input)

A fullword field indicating the length of the data to be encoded by the converter.

< encode_ user_token > (input)

A token for use by users. Could for example identify any state data associated with this HTTP request.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	36	ENCODE_PARMS	
(0)	CHARACTER	8	ENCODE_ EYECATCHER	
(8)	CHARACTER	1	ENCODE_VERSION	
(9)	CHARACTER	1	ENCODE_VOLATILE	
(A)	HALFWORD	2	ENCODE_FUNCTION	
(C)	UNSIGNED	4	ENCODE_RESPONSE	
(10)	UNSIGNED	4	ENCODE_REASON	
(14)	ADDRESS	4	ENCODE_DATA_PTR	
(18)	FULLWORD	4	ENCODE_	
			INPUT_DATA_LEN	
(1C)	CHARACTER	8	ENCODE USER TOKEN	

WBTDC Web interface analyzer parms

These declarations define the parameter list which is passed to the ANALYZER program by the server controller component on an EXEC CICS LINK. < Variable > Meaning < wbra_eyecatcher > A character field to contain an eyecatcher to help with diagnostics and provide a sanity check for the analyzer. Server Controller sets this to the value of WBRA_EYECATCHER_INIT before calling the analyzer. < wbra_response > (output) The fullword response value produced by the analyzer. Possible values are: - URP OK - URP_EXCEPTION - URP_INVALID - URP_DISASTER < wbra_reason > (output) The fullword reason value returned by the analyzer for response values other than OK. No reason values are architected for the analyzer in the CICS Web Browser Interface. Users may define their own values. < wbra_server_program > (output) The CICS program to be used for this HTTP request. < wbra_converter_program > (output) The converter to be used for this HTTP request. < wbra_userid > (output) The userid which is to be used on the EXEC CICS START for the alias transaction for this HTTP request. < wbra alias tranid > (output) The alias transaction ID to be used for this HTTP request. < wbra_alias_termid > (output) The termid to be used on the START request for the alias. < wbra user token > (output) A char(8) token which uniquely identifies the HTTP request being processed. < wbra_dfhcnv_key > (output) A char(8) name to be used as the key into the DFHCNV table for codepage translation of the user data for this request. < wbra_client_ip_address > (input) The TCP/IP address of the client. < wbra_server_ip_address > (input) The TCP/IP address of the CICS system.

```
< wbra resource escaped ptr > (input)
Pointer to a copy of the HTTP headers which have not been
unescaped
< wbra method ptr > (input)
Pointer to the method specified on the HTTP request sent by the
< wbra_http_version_ptr > (input)
Pointer to a string identifying the HTTP version supported by the
client
< wbra http resource ptr > (input)
Pointer to the CICS resource requested by the client. In HTTP
terminology, this is the "absolute path" information in the HTTP
request. Because CICS does not have any concept of "paths" or
the hierarchical file systems on which paths rely, we have
elected
to use a term more appropriate to CICS in our documentation.
< wbra_request_header_ptr > (input)
Pointer to the first HTTP header in the HTTP request. There are
usually multiple HTTP headers for each HTTP request. Each header
is delimited by a CR+LF. The end of the header information is
delimited by a null header (that is, an additional CR+LF
following
final HTTP header).
< wbra_user_data_ptr > (input)
Pointer to the user data section of the input data. For a
non-HTTP
request this will point to the start of the received data.
< wbra_method_length > (input)
Length of the method specified on the HTTP request sent by the
client.
< wbra http version length > (input)
Length of the string identifying the
version of HTTP supported by the client.
< wbra_http_resource_length > (input)
Length of the string containing the
HTTP header information for this HTTP request.
< wbra_request_header_length > (input)
Length of the string identifying the
CICS resource requested by supported by the client.
This length includes the lengths of all the delimiting CR+LFs
for all the headers, including the final CR+LF of the null header
which signals the end of the headers.
< wbra_user_data_length > (input output)
@01C
Length of the user data section of the input data. For a non-HTTP
request this will be the length of the entire received block.
< wbra_request_type > (input)
A value indicating whether the request to be analyzed is HTTP
or non-HTTP.
< wbra_unescape > (output)
@L9A
A value indicating whether the user forms data is to be unescaped
by CICS.
@01A
< wbra_content_length > (input)
@01A
Length of the user data section of the input data as
@01A
specified in the <Content-Lenth> HTTP header
@01A
The top level definition for dfhcommarea
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	*	DFHCOMMAREA	

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	CHARACTER	*	COMM_PARMLIST	

Offset	Туре	Len	Name (Dim)	Description
Hex (0)	STRUCTURE	116	WBRA PARMS	
(0)	CHARACTER	8	WBRA_EYECATCHER	Constant
(8)	UNSIGNED	4	WBRA FUNCTION	Input
` '	UNSIGNED	4	_	Output
(C)		4	WBRA_RESPONSE	•
(10)	UNSIGNED	-	WBRA_REASON	Output
(14)	CHARACTER	8	WBRA_SERVER_ PROGRAM	
				Output
(1C)	CHARACTER	8	WBRA_CONVERTER_	
			PROGRAM	
				Output
(24)	CHARACTER	8	WBRA_USERID	Output
(2C)	CHARACTER	4	WBRA_ALIAS_ TRANID	Output
(30)	CHARACTER	4	WBRA_ALIAS_ TERMID	Output
(34)	CHARACTER	8	WBRA_USER_TOKEN	Output
(3C)	CHARACTER	8	WBRA_DFHCNV_KEY	Output
(44)	UNSIGNED	4	WBRA_CLIENT_	
			IP_ADDRESS	
				Input
(48)	UNSIGNED	4	WBRA_SERVER_	
			IP_ADDRESS	
				Input
(4C)	ADDRESS	4	WBRA_RESOURCE_	
			ESCAPED_PTR	
				Input
(50)	ADDRESS	4	WBRA_METHOD_PTR	Input
(54)	ADDRESS	4	WBRA_HTTP_	
			VERSION_PTR	
				Input
(58)	ADDRESS	4	WBRA_RESOURCE_ PTR	Input
(5C)	ADDRESS	4	WBRA_REQUEST_	
			HEADER_PTR	
				Input
(60)	ADDRESS	4	WBRA_USER_ DATA_PTR	Input
(64)	HALFWORD	2	WBRA_METHOD_ LENGTH	Input
(66)	HALFWORD	2	WBRA_HTTP_	
			VERSION_LENGTH	
				Input
(68)	HALFWORD	2	WBRA_RESOURCE_	
			LENGTH	
				Input
(6A)	HALFWORD	2	WBRA_REQUEST_	
			HEADER_LENGTH	
/»		_		Input
(6C)	HALFWORD	2	WBRA_USER_	
			DATA_LENGTH	
/·				In Output
(6E)	UNSIGNED	1	WBRA_REQUEST_ TYPE	Input
(6F)	UNSIGNED	1	WBRA_UNESCAPE	
(70)	UNSIGNED	4	WBRA_CONTENT_ LENGTH	
				Input

WBTLC Web interface template manager

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	56	DFHWBTL_ARG	
(0)	UNSIGNED	2	WBTL_VERSION_NO	
(2)	HALFWORD	2	WBTL_FUNCTION	
(4)	HALFWORD	2	WBTL_RESPONSE	
(6)	HALFWORD	2	WBTL_REASON	
(8)	CHARACTER	8	WBTL_CONNECT_ TOKEN	
(10)	CHARACTER	8	WBTL_TEMPLATE_ NAME	
(18)	CHARACTER	8	WBTL_TEMPLATE_	
			ABSTIME	
(20)	ADDRESS	4	WBTL_TEMPLATE_	
			BUFFER_PTR	
(24)	FULLWORD	4	WBTL_TEMPLATE_	
			BUFFER_LEN	
(28)	ADDRESS	4	WBTL_SYMBOL_ LIST_PTR	
(2C)	FULLWORD	4	WBTL_SYMBOL_ LIST_LEN	
(30)	ADDRESS	4	WBTL_HTML_ BUFFER_PTR	
(34)	FULLWORD	4	WBTL_HTML_ BUFFER_LEN	
(38)	CHARACTER		*	

Constants

Len	Type	Value	Name	Description
2	DECIMAL	1	WBTL_BUILD_ HTML_PAGE	
2	DECIMAL	2	WBTL_START_ HTML_PAGE	
2	DECIMAL	3	WBTL_ADD_	
			HTML_SYMBOLS	
2	DECIMAL	4	WBTL_READ_	
			HTML_TEMPLATE	
2	DECIMAL	5	WBTL_ADD_	
			HTML_TEMPLATE	
2	DECIMAL	6	WBTL_END_HTML_PAGE	

The following is the value that should be specified in WBTL_VERSION_ NO to show the level at which the calling module was compiled.

2	DECIMAL DECIMAL	0 56	WBTL_CURRENT_ VERSION WBTL_PARAMETER_LEN	

The following are the possible responses from the DFHWBTL program.

2	DECIMAL	0	WBTL_OK
2	DECIMAL	4	WBTL_EXCEPTION
2	DECIMAL	8	WBTL_INVALID
2	DECIMAL	12	WBTL_DISASTER

The following are the possible responses from the DFHWBTL program, if the returned reason is not $\ensuremath{\mathsf{OK}}.$

2	DECIMAL	1	WBTL_INVALID_ FUNCTION	
2	DECIMAL	2	WBTL_INVALID_TOKEN	
2	DECIMAL	3	WBTL_INVALID_	
			SYMBOL_LIST	
2	DECIMAL	4	WBTL_INVALID_	
			BUFFER PTR	
2	DECIMAL	5	WBTL FEATURE INACTIVE	
2	DECIMAL	6	WBTL TEMPLATE	
			NOT FOUND	
2	DECIMAL	7	WBTL TEMPLATE	
			TRUNCATED	
2	DECIMAL	8	WBTL PAGE TRUNCATED	
2	DECIMAL	9	WBTL GETMAIN ERROR	
2	DECIMAL	10	WBTL FREEMAIN ERROR	
2	DECIMAL	11	WBTL_INVALID_ VERSION	

WCG XRF global control block

```
CONTROL BLOCK NAME = DFHWCGPS
DESCRIPTIVE NAME = CICS (XRF) Global Control Block
FUNCTION =
   XRF surveillance/state managament mechanism analogue of
   the CICS CSA. A single instance of this block is created
   at XRF SIGNON.
LIFETIME =
Created by XRF SIGNON and destroyed by SIGNOFF (NORMAL) STORAGE CLASS =
   Non-CICS storage. In MVS subpool 0 storage above 16M line.
LOCATION =
   Located either via WCSGLBLA in the XRF Static storage
   (DFHWCSPS) addressed by SSZXRF in the SSA, or via
   WXBGLBLA in the XRF process block in the case of
code running as an XRF process.

INNER CONTROL BLOCKS =
  None.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
   None
 DATA AREAS =
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
   None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	144	DFHWCGPS	CAVM Global Control Block
(0)	CHARACTER	8	WCGIDENT	Eye Catcher XRF-GLBL
(8)	ADDRESS	4	WCGSTATA	CAVM Static Area address
(C)	ADDRESS	4	WCGCKDA	Pointer to TOD Clock Difference Data (BACKUP systems only)
(10)	ADDRESS	4	WCGNTA	Entry table for routines above 16M line.
(14)	ADDRESS	4	WCGXRFNT	Entry table for routines below 16M line (copy of CSAXRFNT in CSAOPFL).
(18)	ADDRESS	4	WCGDA	Process Management data
(1C)	ADDRESS	4	WCGFA	Status and State file data
(20)	ADDRESS	4	WCGMA	Message data
(24)	ADDRESS	4	WCGTRA	Trace control area
(28)	ADDRESS	4	WCGLFA	LIFO work area
(2C)	ADDRESS	4	WCGSA	Status control area
(30)	ADDRESS	4	WCGSXA	Surveillance exits control area
(34)	CHARACTER	8	WCGSAPPL	System's Specific APPLID
(3C)	CHARACTER	84	WCGCS	Common services area
(3C)	CHARACTER	72	WCGCSSVA	Common services save area
(84)	CHARACTER	12	WCGCSPRM	Common services parameter area.
(90)	CHARACTER		WCGEND	

Entry Table.

This is the definition of the list of entry points to XRF

modules located above the 16M line.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	WCGENTAB	
(0)	ADDRESS	4	WCGELGET	Entry to DFHWLGET
(4)	ADDRESS	4	WCGELFRE	DFHWLFRE
(8)	ADDRESS	4	WCGEDATT	DFHWDATT
(C)	ADDRESS	4	WCGEDWAT	DFHWDWAT
(10)	ADDRESS	4	WCGEMS20	DFHWMS20
(14)	ADDRESS	4	WCGETRP	DFHWTRP
(18)	ADDRESS	4	WCGEDISP	DFHWDISP
(1C)	ADDRESS	4	WCGECCS	DFHWCCS

Common service Interface

This defines the parameter area to be passed to the Common

Services routine DFHWCCS.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	DFHWCIPS	XRF Common Services parameter block
(0)	FULLWORD	4	WCIPID	Request Identifier
(4)	ADDRESS	4	WCIPSA	Storage area address
(4)	ADDRESS	4	WCIPECBA	Address of ECB
(4)	ADDRESS	4	WCIPMSGA	Address of message
(4)	ADDRESS	4	WCIPXPBA	Address of XPB
(8)	FULLWORD	4	WCIPSL	Storage area length
(8)	FULLWORD	4	WCIPCOMP	POST completion code
(8)	ADDRESS	4	WCIPSVA	Address of Save area
(8)	FULLWORD	4	WCIPABCD	ABEND code
(8)	BITSTRING	1	WCIPDOPT	Dump options
(9)	BITSTRING	1	WCIPSABC	System ABEND code
(A)	BITSTRING	1	WCIPUABC	User ABEND code
Offset	Туре	Len	Name (Dim)	Description
Hex	, r ·		,	r. ·
(0)	STRUCTURE	12	*	XRF Common Services parameter block
(0)	FULLWORD	4	*	Request Identifier
(4)	CHARACTER	8	WCIPCHAR	Character result
(4)	CHARACTER	4	WCIPHEX	Hex source

Len	Type	Value	Name	Description
4	DECIMAL	0	WCIINTER	Internal error detected
4	DECIMAL	1	WCIGETM	MVS GETMAIN for subpool 0 storage above 16M line.
4	DECIMAL	2	WCIFREEM	MVS FREEMAIN
4	DECIMAL	3	WCIPOST	MVS Hand POST
4	DECIMAL	4	WCIXCONV	Convert hex to character
4	DECIMAL	5	WCIBLDPC	Build XPB for CICS TCB
4	DECIMAL	6	WCIBLDPX	Build XPB for XRF TCB
4	DECIMAL	7	WCIMSGAB	Message/ABEND

XRF CAVM static control block **WCS**

```
CONTROL BLOCK NAME = DFHWCSDS
DESCRIPTIVE NAME = CICS (XRF) - CAVM Static Control Block
FUNCTION =
    The CAVM Static Control Block provides a common anchor to
    enable CAVM State Management and Message Management
    functions to be invoked from code running in a CICS
    environment. It resides below the 16M line and includes
    the few items of CAVM data referenced by AMODE 24 routines.
    Each XRF system contains a single CAVM Static Control Block.
LIFETIME =
    The CAVM Static Control Block is created by DFHWSSN1 at
    the beginning of SIGNON and destroyed by DFHWSRTR at the
    end of SIGNOFF.
STORAGE CLASS =
    Non-CICS storage. In MVS subpool 0 below 16M line.
LOCATION =
    Fields SSAXRF in the CICS SSA (DFHSSADS) and WCGSTATA in
    the CAVM Global Control Block (DFHWCGDS) both contain a
    pointer to the CAVM Static Control Block.
INNER CONTROL BLOCKS =
    None.
NOTES:
 DEPENDENCIES = S/370
 RESTRICTIONS =
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
    None.
  DATA AREAS =
    None.
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
    None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHWCSDS	CAVM Static Control Block
(0)	CHARACTER	8	WCSIDENT	Eye Catcher XRF-STAT
(8)	ADDRESS	4	WCSGLBLA	Pointer to CAVM Global Control Block
(C)	ADDRESS	4	WCSXTCBP	Pointer to CAVM TCB
(10)	ADDRESS	4	WCSETECB	End of task ECB for CAVM TCB
(14)	BITSTRING	1	WCSSMRST	State Management record status
. ,			WCSSSOFN	"0" Signed off normally or did not sign on (must be zero)
	1		WCSSSON	"1" Signed on
	1.		WCSSSOFA	"2" Signed off abnormally
	1 1		WCSSSNIP	"X'81" SIGNON in progress
	1111 1111		WCSSSFIP	"X'FF" SIGNOFF in progress
(15)	BITSTRING	1	WCSCSAVM	CAVM Services available mask
	1		WCSSMMAV	"X'80" State and message management services are available
	.1		WCSPUTAV	"X'40" Message management PUT is available
(16)	HALFWORD	2	WCSSOFML	Length of TAKEOVER message for ACTIVE job if it signs off during TAKEOVER
(18)	ADDRESS	4	WCSSOFMP	Pointer to TAKEOVER message for ACTIVE job
(1C)	ADDRESS	4	WCSTCECB	TAKEOVER response or SIGNON ECB
(20)	ADDRESS	4	WCSTXECB	TAKEOVER request ECB
(24)	ADDRESS	4	WCSTKVPP	Pointer to TAKEOVER parameter area
(28)	HALFWORD	2	WCSRESP (0)	
(28)	SIGNED	1		Response code for CAVM request
(29)	SIGNED	1	WCSREASC	Reason code for CAVM request
(2A)	BITSTRING	1	WCSTKRID	TAKEOVER request ID
(2B)	CHARACTER	1	WCSSOFCD	SIGNOFF code (normal or abnormal)
	111		WCSRSOFA	"C'A'" Request for SIGNOFF ABNORMAL
	11.1 .1.1		WCSRSOFN	"C'N" Request for SIGNOFF NORMAL
(2C)	ADDRESS	4		Reserved
(30)	ADDRESS	4	WCSACSVC	Pointer to CSVC's SVC instruction in the CICS CSA
	11 .1		WCSL	"*-DFHWCSDS"
Offset	Туре	Len	Name (Dim)	Description
Hex	- F		- (• · ·
(0)			WCSENTAB	Entry point table for code below 16M
(0)	ADDRESS	4	WCSEMS	Message management services EPA
(4)	ADDRESS	4		Not used
(8)	ADDRESS	4		Not used
` '				

WDG XRF process block

```
CONTROL BLOCK NAME = DFHWDGPS
DESCRIPTIVE NAME = CICS (XRF) Process Block
FUNCTION =
   XRF process dispatcher control area.
   There is a single instance of this control block in
   a CICS system which has successfully signed on to XRF.
   It contains state information for the XRF process
   dispatcher such as the currently dispatched process,
   head and tail of the chain of extant processes etc..
LIFETIME =
   Created by INIT_ATTACH (DFHWDINA) and destroyed when
   XRF TCB terminates.
STORAGE CLASS =
   Non-CICS storage. MVS subpool 0 storage above 16M line.
LOCATION =
   Address is in WCGDA in XRF Global area DFHWCGPS.
INNER CONTROL BLOCKS =
   Definition of internal dispatcher parameter block format.
   WDGLOCKH
   Lock hierarchy table (set up by DFHWDINA).
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
   None
 CONTROL BLOCKS =
   None
 GLOBAL VARIABLES (Macro pass) =
Fixed part of Dispatcher Global Area (in XRF Global area)
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	120	DFHWDGPS	Addressed from WS Global
(0)	CHARACTER	64	WDGEXTNL	This substructure contains data which are maintained across dispatcher calls
(0)	ADDRESS	4	WDGFXPB	First process in dispatch chain.
(4)	ADDRESS	4	WDGLXPB	Last process in dispatch chain.
(8)	ADDRESS	4	WDGCXPB	Currently dispatched process.
(C)	ADDRESS	4	WDGIAR13	Save slot for Reg 13 of issuer of INIT_ATTACH
(10)	ADDRESS	4	WDGESTA	ESTAE PARAM area
(14)	ADDRESS	4	WDGESPA	ESPIE PARAM area
(18)	ADDRESS	4	* (2)	Reserved
(20)	BITSTRING	4	WDGGLKSM	Granted locks mask
(24)	HALFWORD	2	WDGXPBNO	Last allocated process id
(26)	HALFWORD	2	*	Reserved
(28)	CHARACTER	24	WDGXPB	Space for the base part of a dummy XPB used by the dispatcher for tracing
(40)	CHARACTER	56	WDGLOCAL	This substructure contains data which are local to a single dispatcher call
(40)	BITSTRING	4	WDGLKACC	Lock table work area used by DFHWDINA.
(40)	BITSTRING	4	WDGLKTMP	Lock temporary used by DFHWDWAT.
(44)	HALFWORD	2	*	Reserved
(46)	HALFWORD	2	WDGWLL	Number items in WAIT list
(46)	HALFWORD	2	WDGLKI	Lock level counter
(48)	ADDRESS	4	WDGWL (12)	WAIT List
(78)	CHARACTER		WDGEND	End of fixed part of area

Dispatcher internal parameter block.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	WDGP	
(0)	FULLWORD	4	WDGPID	Request identifier
(4)	ADDRESS	4	WDGPEPRM	ESPIE/ESTAE parameter
(4)	ADDRESS	4	WDGPEDA	Error data - SDWA or EPIE
(8)	ADDRESS	4	WDGPSRPA	SRP Area address
(8)	ADDRESS	4	WDGPIDA	ATTACH initial data
(8)	ADDRESS	4	WDGPNPSW	New IA for retry PSW

Len	Туре	Value	Name	Description	
4	DECIMAL	0	WDGPSINT	Initialize DFHWDSRP	
4	DECIMAL	1	WDGPSTRM	Terminate DFHWDSRP	
4	DECIMAL	2	WDGPSESP	ESPIE	
4	DECIMAL	3	WDGPSEST	ESTAE	
Lock	and event record val	lues			
4	HEX	0000000	WDGNOEVS	All events set OFF	
4	HEX	FFFFFFF	WDGALEVS	All events set ON	
4	HEX	00000000	WDGNOLKS	All locks set OFF	
4	HEX	FFFFFFF	WDGALLKS	All locks set ON	

XRF dispatcher interface **WDI**

```
CONTROL BLOCK NAME = DFHWDSPS
DESCRIPTIVE NAME = CICS (XRF) Dispatcher interface
               block definitions.
FUNCTION =
   Defines interface to XRF dispatcher for ATTACH and WAIT.
   Caller provides storage for an instance of the interface
   block and sets parameters as required.
LIFETIME =
   Duration of XRF dispatcher call.
STORAGE CLASS =
   Caller's choice. Usually above 16M line.
LOCATION =
Passed to dispatcher as address in R1. INNER CONTROL BLOCKS =
   None
NOTES:
 DEPENDENCIES = S/370
 RESTRICTIONS =
    None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
 CONTROL BLOCKS =
 None
GLOBAL VARIABLES (Macro pass) =
   None
 ATTACH Request Parameter Block
```

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	28	DFHWDIPS	Addressed from WS Global
(0)	ADDRESS	4	WDIGA	WS Global address (for INITIAL_ATTACH call only)
(4)	ADDRESS	4	WDIEPA	Process entry address
(8)	ADDRESS	4	WDIIDA	Initial data address
(C)	ADDRESS	4	WDIESPIE	ESPIE exit addr.
(10)	ADDRESS	4	WDIESPDA	ESPIE parameter.
(14)	ADDRESS	4	WDIESTAE	ESTAE exit addr.
(18)	ADDRESS	4	WDIESTDA	ESTAE parameter.
(1C)	CHARACTER		WDIEND	

WAIT Request Parameter Block

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	DFHWDSPS	Addressed from WS Global
(0)	ADDRESS	4	WDSTYPE	Reserved - must be zero
(4)	ADDRESS	4	WDSEECBA	External event address
(8)	ADDRESS	4	WDSIECBA	Internal event address
(C)	BITSTRING	4	WDSWEVM	Awaited broadcast events
(10)	BITSTRING	4	WDSPEVM	Events to be broadcast
(14)	BITSTRING	4	WDSREVM	Broadcast events to reset for this process.
(18)	BITSTRING	4	WDSFLKM	Locks to be freed
(1C)	BITSTRING	4	WDSGLKM	Locks to be acquired
(20)	CHARACTER		WDSEND	

Len	Туре	Value	Name	Description
4	DECIMAL	1	WDSBTICK	Timer cycle
4	DECIMAL	2	WDSBCHNG	Some change in partner status other than ones with specific events.
4	DECIMAL	3	WDSBSON	Partner has signed on
4	DECIMAL	4	WDSBSOF	Partner has signed off
4	DECIMAL	5	WDSBRSV1	No longer used - reserved
4	DECIMAL	6	WDSBBPSA	BACKUP public status now available.
4	DECIMAL	7	WDSBFASA	Final ACTIVE public status now available (during TAKEOVER)
4	DECIMAL	8	WDSBPRST	Please read ACTIVE's latest status
4	DECIMAL	9	WDSBSSR	Start Status Reader processes
4	DECIMAL	25	WDSBPWC1	Primary write complete - odd cycle.
4	DECIMAL	26	WDSBPWE1	Primary write completed with error - odd cycle.
4	DECIMAL	27	WDSBPWC2	Primary write complete - even cycle.
4	DECIMAL	28	WDSBPWE2	Primary write completed with error - even cycle.
4	DECIMAL	29	WDSBSWC1	Secondary write complete - odd cycle.
4	DECIMAL	30	WDSBSWE1	Secondary write completed with error - odd cycle.
4	DECIMAL	31	WDSBSWC2	Secondary write complete - even cycle.
4	DECIMAL	32	WDSBSWE2	Secondary write completed with error - even cycle.
Lock	numbers			
4	DECIMAL	1	WDSLPSTW	Primary status write lock
4	DECIMAL	2	WDSLSSTW	Secondary status write lock

WDL XRF LIFO workspace

```
CONTROL BLOCK NAME = DFHWLGPS
DESCRIPTIVE NAME = CICS (XRF) LIFO Workspace
FUNCTION =
   Workspace for XRF trace calls from LIFO and dispatcher
   services. Single instance.
LIFETIME =
   Created by XRF INITIAL ATTACH (DFHWDINA) and destroyed
by XRF SIGNOFF.
STORAGE CLASS =
   Non-CICS storage above 16M line. Suballocated from XRF
   WS Global allocation created at XRF SIGNON.
LOCATION =
   Addressed by WCGLFA in DFHWCGPS
INNER CONTROL BLOCKS =
  WLGSA Standards OS Register save area.
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS =
    None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
   None
 CONTROL BLOCKS =
   DFHWTRPS. An instance of an XRF Trace parameter area
          is imbedded.
 GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	100	DFHWLGPS	Addressed from WS Global
(0)	CHARACTER	72	WLGSAVE	Standard OS Save Area
(48)	CHARACTER	28	WLGTRACE	Space for trace parameter block.
(64)	CHARACTER		WIGEND	

Standard OS Save Area

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	72	WLGSA	Standard Save Area
(0)	ADDRESS	4	*	
(4)	ADDRESS	4	WLGSABCN	backward chain
(8)	ADDRESS	4	WLGSAFCN	forward chain
(C)	CHARACTER	60	WLGSAREG	Registers 14-12
(C)	ADDRESS	4	WLGSAR14	R14

Offset Hex	Туре	Len	Name (Dim)	Description
(10)	ADDRESS	4	WLGSAR15	R15
(14)	ADDRESS	4	WLGSAR00	R0
(18)	ADDRESS	4	WLGSAR01	R1
(1C)	ADDRESS	4	* (9)	R2 - R10
(40)	ADDRESS	4	WLGSAR11	R11
(44)	ADDRESS	4	WLGSAR12	R12

XRF CAVM file control block WFG

```
CONTROL BLOCK NAME = DFHWFGDS
DESCRIPTIVE NAME = CICS (XRF) - CAVM File Control Block
FUNCTION =
    The CAVM File Control Block contains data relating to the
    CAVM Control data set and Message data set such as ACB
    pointers, CI size, RBAs of certain records and a pointer
    to the RESERVE parameter list used to serialise accesses to
    the Control data set during SIGNON, SIGNOFF and TAKEOVER.
    Each XRF system contains a single CAVM File Control Block.
LIFETIME =
    The CAVM File Control Block is created by DFHWSSN3 during
    CAVM SIGNON.
STORAGE CLASS =
    Non-CICS storage. MVS subpool 0 above 16M line.
LOCATION =
    Field WCGFA in the CAVM Global Control Block (DFHWCGDS)
    contains a pointer to the CAVM File Control Block.
INNER CONTROL BLOCKS =
    None.
NOTES:
 DEPENDENCIES = S/370
 RESTRICTIONS =
     None.
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
    None.
  DATA AREAS =
    None
  CONTROL BLOCKS =
    None.
  GLOBAL VARIABLES (Macro pass) =
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			DFHWFGDS	CAVM File Control Block
(0)	ADDRESS	4	WFGPACB	Pointer to Message File ACB
(4)	ADDRESS	4	WFGSACB	Pointer to Control File ACB
(8)	FULLWORD	4	WFGCISIZ	Control interval size of both files
(C)	FULLWORD	4	WFGHARBA	High allocated RBA of Message File
(10)	FULLWORD	4	WFGLORBA	Lowest RBA available for use by Message Management in Message File
(14)	FULLWORD	4	WFGHURBA	High used RBA of Message File
(18)	FULLWORD	4	WFGRPLLN	Length of an RPL
(1C)	FULLWORD	4	WFGSMRBA	RBA of State Management Record in Control File
(20)	FULLWORD	4	WFGASRBA	RBA of ACTIVE's status CI in either file
(24)	ADDRESS	4	WFGRSVPP	Pointer to RESERVE parameter list
	1. 1		WFGL	"*-DFHWFGDS"

XRF message manager global area **WMG**

```
CONTROL BLOCK NAME = DFHWMGPS
DESCRIPTIVE NAME = CICS (XRF) Message manager global area
FUNCTION =
   Anchor for all XRF message management control information.
   There is a single instance of this block.
LIFETIME =
   Created by DFHWMI when it is called as part of the XRF
   SIGNON process. It then remains for the life of the CICS
   system.
STORAGE CLASS =
   Non-CICS storage. Usually above the 16M line.
   Addressed by WCGMA in XRF Global area.
INNER CONTROL BLOCKS =
   WMGPUT Control area specific to PUTMSG processing.
         A single instance created by DFHWMP1 when called during SIGNON by DFHWMI, and addressed by WMGPUTA
          in DFHWMGPS. It contains, among other things, the
         PUTMSG work queue anchor for the queued request
          interface between XRF server and CICS user TCBs.
   WMGGET Control area specific to GETMSG processing.
         A single instance created by DFHWMG1 when called during SIGNON by DFHWMI, and addressed by WMGGETA
         in DFHWMGPS. It contains, among other things, the
          hash table which is contains anchors for chains
          of message queue anchor blocks (DFHWMMPS).
   WMGRQR Control area specific to PUTREQ/PUTRSP processing.
         A single instance created by DFHWMR1 when called
          during SIGNON by DFHWMI, and addressed by WMGRQRA
         in DFHWMGPS. It contains, among other things, the PUTREQ and PUTRSP anchors for the queued request
          between the XRF server and CICS user TCBs.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
     None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
    None
Message Manager Global Area (in XRF Global area)
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	40	DFHWMGPS	Addressed from WS Global
(0)	CHARACTER	40	WMGCOMM	Common data
(0)	ADDRESS	4	WMGCFKB	Free 1K block chain
(4)	ADDRESS	4	WMGCFMQE	Free message queue element chain
(8)	BITSTRING	1	WMGCFLG1	Flags
	1		WMGCFMOV	Moving data
	.111 1111		*	Reserved
(9)	CHARACTER	3	*	Reserved
(C)	ADDRESS	4	WMGPUTA	Address of PUTMSG area
(10)	ADDRESS	4	WMGGETA	Address of GETMSG area
(14)	ADDRESS	4	WMGRQRA	Address of RQR area
(18)	ADDRESS	4	WMGPMECB	PUTMSG Start ECB
(1C)	ADDRESS	4	WMGCWAIT	Work element waiting for MQS to post it.
(20)	ADDRESS	4	WMGCPOST	Work element MQS is about to post.
(24)	FULLWORD	4	WMGCINST	Current ACTIVE message source instance number.
(28)	CHARACTER		*	

PUTMSG area

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	40	WMGPUT	PUTMSG data
(0)	CHARACTER	16	WMGPUTQ	PUTMSG request queue anchor area.
(10)	ADDRESS	4	WMGPMTA	Message transmission state data.
(14)	CHARACTER	12	WMGPID	Initial parameters for PUTMSG process
(20)	ADDRESS	4	* (2)	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
(28)	CHARACTER		WMGPEND	End of fixed part
Offset Hex	Туре	Len	Name (Dim)	Description
	Type STRUCTURE	Len 4	Name (Dim) WMGPB (*)	Description Alternate specific data for PUT process.

GETMSG area

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	52	WMGGET	GETMSG data
(0)	ADDRESS	4	WMGGMTA	Message transmission state data.
(4)	ADDRESS	4	*	Reserved
(8)	BITSTRING	1	*	Flags
	1		WMGGFASA	Final ACTIVE status seen
	.111 1111		*	Reserved
(9)	UNSIGNED	1	*	Reserved
(A)	CHARACTER	2	WMGGRESP	Response data - like WMSRESP.
(C)	CHARACTER	12	WMGGID	Initial parameters for GETMSG process
(18)	ADDRESS	4	WMGGHA	Address of hash table
(1C)	FULLWORD	4	WMGGINDX	BACKUP index number
(20)	FULLWORD	4	WMGGINST	BACKUP instance number
(24)	ADDRESS	4	WMGGWAIT	Queue anchor waiting for MQH to post it.
(28)	ADDRESS	4	WMGGPOST	Queue anchor MQH is about to post.
(2C)	ADDRESS	4	*	Reserved
(30)	ADDRESS	4	*	Reserved

Hash table for message queue anchor chains.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	WMGGH	
(0)	FULLWORD	4	WMGGHTNM	Number of entries in hash table.
(4)	ADDRESS	4	WMGGHT (1)	Hash table entry array
	1		WMGGHTCL	'Closed' indicator

PUTREQ, PUTRSP area

Offset	Туре	Len	Name (Dim)	Description
Hex	1,700		Hame (Dim)	Besonption
(0)	STRUCTURE	*	WMGRQR	PUTREQ, PUTRSP data
(0)	CHARACTER	16	WMGREQQ	PUTREQ request queue anchor area.
(10)	CHARACTER	16	WMGRSPQ	PUTRSP request queue anchor area.
(20)	HALFWORD	2	WMGRMINC	Minimum source channel - 0 for BACKUP, 1 for ACTIVE
(22)	HALFWORD	2	WMGRMAXC	Maximum source channel - 0 for BACKUP, WSAGBN for ACTIVE.
(24)	CHARACTER	12	WMGRID (3)	Initial parameters for PUTREQ, PUTRSP and RECEIVE
(48)	CHARACTER	8	WMGRIVN	Target of last PUTREQ
(48)	FULLWORD	4	WMGRINST	Instance number
(4C)	FULLWORD	4	WMGRVERN	Version Number
(50)	CHARACTER		WMGREND	
(50)	CHARACTER	4	WMGRQA (*)	Channel status array
Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	4	WMGRQ	Status of channel with individual partner
(0)	UNSIGNED	1	WMGRQIST	Inbound State
(1)	UNSIGNED	1	WMGRQOST	Outbound State
(2)	HALFWORD	2	*	Reserved

Request Queue Anchor Block

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	WMGQANCH	Addressed from message manager global area.
(0)	ADDRESS	4	WMGQFRST	Address of first (newest) entry in request chain.
	1		WMGQCLSD	Service is closed
(4)	ADDRESS	4	WMGQLAST	Address of last (oldest) entry in request chain.
(4)	CHARACTER	2	*	
(6)	CHARACTER	2	WMGQRESP	Termination response like WMSRESP.
(8)	ADDRESS	4	WMGQECB	MVS ECB posted by issuer of request.
(C)	ADDRESS	4	WMGQLSEL	Address of latest entry selected for processing

Lei	n Type	Value	Name	Description	
2	DECIMAL	1	WMGGHTN	Number of entries in hash table.	
	Constants for WMGRQIST/				
1	DECIMAL	0	WMGRQNTR	No traffic	
1	DECIMAL	1	WMGRQRSP	Response pending	
Constants for setting WMGQCLSD and WMGGHTCL					
4	HEX	80000000	WMGQCLON		
4	HEX	7FFFFFF	WMGQCLOF		

WMI XRF internal interface block

```
CONTROL BLOCK NAME = DFHWMIPS
DESCRIPTIVE NAME = CICS (XRF) Internal interface block
FUNCTION =
   Defines a three word parameter block which is used
   throughout XRF message management as the interface between the various modules of which it is composed.
   The block has many different overlays depending on
   the function being invoked. However, excepting the
   special case of the call from DFHWMS, the first word, WMIPID, always a function code. The function code
   values are named WMIxxyyy where xx is the module supporting the function (DFHWMxx) and yyy is the
   specific function requested.
   Created by caller of a routine and lasts for duration
STORAGE CLASS =
   User choice. Usually in storage above the 16M line.
LOCATION =
   Conventionally addressed by R1 w hen passed to callee.
INNER CONTROL BLOCKS =
   None
NOTES
DEPENDENCIES = S/370
RESTRICTIONS =
     None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
 CONTROL BLOCKS =
    None
 GLOBAL VARIABLES (Macro pass) =
    None
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	12	DFHWMIPS	XRF Message manager parameter block
(0)	FULLWORD	4	WMIPID	Request Identifier
(0)	CHARACTER	2	*	
(2)	CHARACTER	2	WMIPRESP	Response (like WMSRESP)
(4)	ADDRESS	4	WMIPWQE	Work queue element addr
(4)	ADDRESS	4	WMIPRB	User Request block addr
(4)	ADDRESS	4	WMIPCCA	CI Control area address
(4)	CHARACTER	2	*	
(6)	CHARACTER	2	WMIPTRSP	Termination response
(8)	ADDRESS	4	WMIPQA	Work queue anchor addr
(8)	ADDRESS	4	WMIPTGT	Target for message copy
(8)	FULLWORD	4	WMIPOPTC	RPL type (PUT or GET)
(8)	CHARACTER	4	WMIPQNAM	Message queue name

Offset Hex	Туре	Len	Name (Dim)	Description
(8)	CHARACTER	2	*	
(A)	CHARACTER	2	WMIPCRSP	Completion response
Offset	Туре	Len	Name (Dim)	Description
Hex			Name (Dim)	•
Hex (0)	STRUCTURE	12	` ,	Parameter block
(0) (0)	STRUCTURE FULLWORD	12 4	*	Parameter block Request Identifier
Hex (0)	STRUCTURE	12	*	Parameter block

Len	Туре	Value	Name	Description
4	DECIMAL	0	WMIG1INT	Initialize
4	DECIMAL	1	WMIG1GET	GETMSG process
4	DECIMAL	2	WMIG1EST	ESTAE exit
	est IDs for DFHWMM			20112 0.11
	DECIMAL	1	WMIMTBLD	Build CI areas
4 4	DECIMAL	1 2	WMIMTBLD	Issue VSAM PUT
4	DECIMAL	3	WMIMTPOT	Issue VSAM GET
4	DECIMAL	3 4	WMIMTGET	Format message datset
	lest IDs for DFHWMP	·	VIVIIVITEIVIT	ronnat message datset
4	DECIMAL	1	WMIPGWRT	Copy data to target
4	DECIMAL	2	WMIPGESP	Program check has occured
Requ	est IDs for DFHWMP	1		
4	DECIMAL	0	WMIP1INT	Initialize
4	DECIMAL	1	WMIP1PUT	PUTMSG process
4	DECIMAL	2	WMIP1EST	ESTAE exit
4	DECIMAL	3	WMIP1ESP	ESPIE exit
Requ	est IDs for DFHWMC	lΗ		
4	DECIMAL	0	WMIQHINT	Initialize
4	DECIMAL	1	WMIQHENQ	Place message on queue
4	DECIMAL	2	WMIQHLOC	Locate/Create queue anchor
4	DECIMAL	3	WMIQHTRM	Terminate
Requ	est IDs for DFHWMC	NS .		
4	DECIMAL	1	WMIQSGN	Get next queue element
4	DECIMAL	2	WMIQSCMP	Complete request
4	DECIMAL	3	WMIQSCMB	Complete batch of requests
4	DECIMAL	4	WMIQSTRM	Close down queue and post any remaining requests.
Requ	est IDs for DFHWMR	RD.		
4	DECIMAL	0	WMIRDINT	Initialize
4	DECIMAL	1	WMIRDGET	Read message
Requ	est IDs for DFHWMR	<u>. </u>		
4	DECIMAL	0	WMIR1INT	Initialize
4	DECIMAL	1	WMIR1REQ	PUTREQ process
4	DECIMAL	2	WMIR1RSP	PUTRSP process
4	DECIMAL	3	WMIR1RCV	RECEIVE process
4	DECIMAL	4	WMIR1ESP	ESPIE exit
4	DECIMAL	5	WMIR1EST	ESTAE exit
Requ	est IDs for DFHWMV	VR		
4	DECIMAL	0	WMIWRINT	Initialize
4	DECIMAL	1	WMIWRPUT	Write message
4	DECIMAL	2	WMIWRHDN	Harden messages
	-			···· y ··

XRF message queue anchor block **WMM**

```
CONTROL BLOCK NAME = DFHWMMPS
DESCRIPTIVE NAME = CICS (XRF) Message queue anchor block
FUNCTION =
   Anchor for chain of in core message elements built by
   the XRF GETMSG process.
   An instance of this block is created for each distinct
   message queue name for which either the reader process
   retrieves messages from the message dataset, or for
   which GETMSG requests are issued by the CICS TCB.
   Each such block serves as an anchor for the chain of
   messages yet to be read, and contains the ECB on
   which a CICS transaction will wait if it issues a GETMSG
   for a queue with no messages pending.
LIFETIME =
   Created by either the XRF message reader process under
   the XRF TCB, or by GETMSG under the CICS TCB, at the
   first appearance of a message queue name.
   Destroyed when the BACKUP either signs off, or takes over.
   This is done only under the CICS TCB at a time when it is
   known that no other CICS transactions have references to
   the block or anything depending on it.
STORAGE CLASS =
   Non-CICS storage. Usually in MVS subpool 0 storage
   above 16M line.
   The anchor blocks are formed into hash chains using
   WMMAHASH as chain field and WMGGHT (in DFHWMGPS) as
   hash table
INNER CONTROL BLOCKS =
   WMME is the message queue element description. These
         blocks form chains from the message anchor blocks
         and contain the individual messages waiting to
         be read. They are created by the reader process
         when it reads a message, and destroyed by GETMSG
         when the message has been delivered.
NOTES
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
   None
 CONTROL BLOCKS =
    None
 GLOBAL VARIABLES (Macro pass) =
Message Manager Message Queue Anchor Block
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DFHWMMPS	
(0)	ADDRESS	4	WMMANEXT	Address of next anchor block (first in chain is addressed from hash table in GETMSG global area).
(4)	CHARACTER	4	WMMAQNAM	Queue name.
(8)	ADDRESS	4	WMMAFRST	First element in message chain for this queue.
(C)	ADDRESS	4	WMMALAST	Last element in message chain for this queue.
(10)	HALFWORD	2	WMMAHASH	Hash table index
(12)	BITSTRING	2	*	
	1		WMMAEOD	Flag set by reader process if EOD/SIGNOFF or an error occurs.
(12)	BITSTRING	1	*	Reserved
(14)	ADDRESS 1	4	WMMAECB *	ECB posted at 'End-of-data or whenever this queue becomes non-empty.
	.1		WMMAPOST	POST bit in ECB
(14)	BITSTRING	3	*	
(18)	CHARACTER		WMMAEND	

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	WMME	
(0)	CHARACTER	8	WMMECTL	Control part of element
(0)	ADDRESS	4	WMMEOLDR	Next older element
(4)	ADDRESS	4	WMMENEWR	Next newer element

Message Queue Element

Offset Hex	Туре	Len	Name (Dim)	Description
(8)	CHARACTER		WMMEDATA	Start of message data. This contains a copy of whole of the record read from the message

WMQ XRF message request queue

```
CONTROL BLOCK NAME = DFHWMQPS
DESCRIPTIVE NAME = CICS (XRF) Message request queue
             work element.
FUNCTION =
   Represents an XRF message manager request - PUTMSG,
   PUTREQ, or PUTRSP.
LIFETIME =
   Created by DFHWMQP in response to a message manager PUT
   request when the queue of free work elements (WMGCFMQE)
   is empty. Never destroyed.
STORAGE CLASS =
   Non-CICS storage, in MVS subpool 0 above 16M line, plus
   an 8 byte allocation in the CICS SHARED subpool for an
   ECB (KCP can handle only ECBs below the 16M line).
LOCATION =
   Chained from one of the message manager request service
   queue anchors (WMGPUTQ, WMGREQQ, WMGRSPQ) or from the free
   element head WMGCFMQE.
INNER CONTROL BLOCKS =
  None
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
   None
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
Message Manager Request Queue Element.
```

Offset Hex	Type	Len	Name (Dim)	Description
(0)	STRUCTURE	48	DFHWMQPS	
(0)	CHARACTER	24	WMQECTL	Control part of element
(0)	ADDRESS	4	WMQEOLDR	Next older element
(4)	ADDRESS	4	WMQENEWR	Next newer element
(8)	ADDRESS	4	*	Reserved
(C)	ADDRESS	4	WMQEQAA	Queue anchor address
(10)	ADDRESS	4	WMQEECB	ECB on which requesting CICS Xaction will wait.
	1		*	
	.1		WMQEPOST	POST bit in ECB
(10)	BITSTRING	3	*	
(14)	BITSTRING	4	WMQECSWD	This field is subject of a CS instruction and is described by WMQECS.
(18)	CHARACTER	24	WMQEPARM	Copy of request parameter block.
(30)	CHARACTER		WMQEEND	

Overlay for word containing 'cancelled' and 'about to post' flags (WMQECSWD).

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	6	WMQECS	
(0)	BITSTRING	2	WMQEFLGS	This field is subject of a CS instruction.
	1		WMQEFATP	About-to-post
	.1		WMQEFCAN	Request cancelled
(2)	BITSTRING	1	*	Reserved
(3)	BITSTRING	2	*	Reserved

Block chain. Chain of free 4K blocks used by DFHWMS10 as XPBs.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	WMQB	
(0)	ADDRESS	4	WMQBNEXT	Address of next free block

WMR XRF message record

```
CONTROL BLOCK NAME = DFHWMRPS
DESCRIPTIVE NAME = CICS (XRF) Message Record
FUNCTION =
   Defines the format of an XRF Message Management message
   record.
   Message records do not exist as independent control blocks
   in their own right. The definition here is of the message
   record component of other structures. Such components
   exist as records within the XRF status VSAM dataset, as
   the data part of in-core message blocks (WMME) created by
   the XRF reader process, and as the message part of the
   report data in a status CI (WSAR).
   Message records contain the data which are transmitted
   between ACTIVE and BACKUP systems by means of the PUTMSG,
   GETMSG, PUTREQ and PUTRSP message manager requests.
LIFETIME =
   Same as containing structure.
STORAGE CLASS =
   Same as containing structure.
LOCATION =
   Same as containing structure.
INNER CONTROL BLOCKS =
   WMRCR Format of control record which is the first in
         each message dataset CI.
   WMRCIDF Defines the format of a VSAM CIDF
   WMRRDF Defines the format of a VSAM RDF
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
   None
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
   None
Message Data Record
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	16	DFHWMRPS	
(0)	UNSIGNED	1	WMRTYPE	Record type
(1)	BITSTRING	1	WMRRFLGS	Reserved
(2)	HALFWORD	2	WMRDATLN	Message data length i.e. number of bytes in record following WMREND
(4)	FULLWORD	4	WMRSEQNO	Message sequence number
(8)	CHARACTER	8	WMRIVN	Instance and version/queue
(8)	FULLWORD	4	WMRINSTN	Applicable instance number
(C)	FULLWORD	4	WMRVERSN	Version number
(C)	CHARACTER	4	WMRQNAME	Queue name
(10)	CHARACTER		WMREND	Start of message data

Message Control Record

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	WMRCR	
(0)	BITSTRING	1	*	Record type - WMRTCNO
(1)	CHARACTER	3	*	Reserved
(4)	FULLWORD	4	WMRCRCNO	Message cycle number
(8)	CHARACTER		WMRCREND	

VSAM CIDF Format

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	4	WMRCIDF	
(0)	HALFWORD	2	WMRCIDFO	Offset of start of unused space in this CI.
(2)	HALFWORD	2	WMRCIDFL	Length of unused space in this CI.

VSAM RDF Format

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	3	WMRRDF	Cancel data passed to KCP at WAIT.
(0)	BITSTRING	1	WMRRDFF	Flags - always zero in the subset used by XRF message manager.
(1)	HALFWORD	2	WMRRDFL	Length of record which corresponds to this RDF.

Constants

Len	Type	Value	Name	Description
1	DECIMAL	0	WMRTDATA	Message record
1	DECIMAL	1	WMRTCNO	Control record

XRF message manager request **WMS**

```
CONTROL BLOCK NAME = DFHWMSPS
DESCRIPTIVE NAME = CICS (XRF) Message manager request
               interface block.
FUNCTION =
   Defines the format of the parameter block passed by the
    user of XRF message services.
   Since the user's parameter block is usually copied into
   a work queue element the definition of such an element, DFHWMQPS, includes an area to which this definition
   applies.
LIFETIME =
   Created by caller of message services and lasts for the
    duration of the processing of the request.
STORAGE CLASS =
   User choice.
LOCATION =
   Usually in caller's LIFO.
INNER CONTROL BLOCKS =
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS =
    None
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
 CONTROL BLOCKS =
    None
 GLOBAL VARIABLES (Macro pass) =
    None
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DFHWMSPS	XRF Message manager parameter block
(0)	FULLWORD	4	WMSREQID	Request Identifier
(4)	BITSTRING	1	WMSRQFL1	Request flag byte 1
	1		WMSCRUCL	CRUCIAL Message (PUTMSG)
	.111 1111		*	Reserved
(5)	BITSTRING	1	WMSRQFL2	Request flag byte 2
	1		WMSFORCE	Harden message before returning (PUTMSG)
	.111 1111		*	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
(6)	CHARACTER	2	WMSRC	Response field
(8)	ADDRESS	4	WMSDATAD	Data area address
(C)	HALFWORD	2	WMSDATSZ	Size of data area
(E)	HALFWORD	2	WMSDATLN	Data length
(10)	CHARACTER	8	WMSIVN	Instance and version/queue
(10)	FULLWORD	4	WMSINSTN	Instance number
(14)	FULLWORD	4	WMSVERSN	Version no (PUTREQ,PUTRSP)
(14)	CHARACTER	4	WMSQNAME	Queue name (GETMSG,PUTMSG)
(18)	CHARACTER		WMSEND	

Response field

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	2	WMSRESP	Response
(0)	UNSIGNED	1	WMSRETC	Return code
(1)	UNSIGNED	1	WMSREASN	Reason code

Constants

Len	Type	Value	Name	Description
4	DECIMAL	1	WMSPMSG	PUTMSG
4	DECIMAL	2	WMSGMSG	GETMSG
4	DECIMAL	3	WMSPREQ	PUTREQ
4	DECIMAL	4	WMSPRSP	PUTRSP
Retu	ırn Codes (WMSRET	C) definitions		
1	DECIMAL	0	WMSNORML	Normal
1	DECIMAL	4	WMSEXCPN	Exception
1	DECIMAL	8	WMSFAIL	Failed
Reas	son Codes (WMSREA			
1	DECIMAL	1	WMSNOXRF	XRF not active
1	DECIMAL	2	WMSEOD	End of data. We are about to take over. The active will send no more
1	DECIMAL	3	WMSSGNOF	records. Backup has SIGNED OFF from XRF. No more records will be
1	DECIMAL	3	WWGSGNOF	presented.
If WMSRETC = WMSFAIL				
1	DECIMAL	1	WMSINVRC	Invalid request code
1	DECIMAL	2	WMSCLOSD	Service closed
1	DECIMAL	3	WMSCANCL	Task cancelled
1	DECIMAL	4	WMSDLERR	Data length error. Either too large or -ve.
1	DECIMAL	5	WMSOVLAP	ACTIVE reject non-crucial message rather than risk damaging a
				BACKUP. BACKUP lapped by ACTIVE message writer.
1	DECIMAL	6	WMSNODST	No SIGNED-ON destination exists for this message
1	DECIMAL	7	WMSBUSY	Message queue busy
1	DECIMAL	8	WMSCHECK	Program check while copying message data.
1	DECIMAL	9	WMSABEND	XRF TCB Abend
1	DECIMAL	10	WMSIOER	Message dataset I/O error
1	DECIMAL	11	WMSFMTER	Message dataset format error.
1	DECIMAL	12	WMSSEQER	Message dataset sequence number error.
1	DECIMAL	13	WMSNACTV	System not ACTIVE yet

WMT XRF message manager message

```
CONTROL BLOCK NAME = DFHWMTPS
DESCRIPTIVE NAME = CICS (XRF) Message manager message
               transmission control.
FUNCTION =
   Contains an RPL for issuing VSAM requests against a
   particular CI buffer, and data representing the state
   XRF message management builds these blocks to control the reading and writing of CIs in the message dataset.
   Each instance represents a single buffer. At present,
   with single buffering, only a single instance each exists
   for the PUTMSG and GETMSG processes.
   Created by DFHWMMT when called during the initialization
   of the GETMSG or PUTMSG process. Lasts for the lifetime
   of the process.
STORAGE CLASS =
   Non-CICS storage. MVS GETMAIN above 16M line.
   Addressed by WMTPCCCA or WMTGCCA.
INNER CONTROL BLOCKS =
   WMTP PUTMSG transmission control area. Addressed by
        WMGPMTA. Contains data controlling the position
        reached in writing to the message dataset.
   WMTG GETMSG transmission control area. Addressed by
        WMGGMTA. Contains data controlling the position
        reached in reading the message dataset.
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS =
    None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
 CONTROL BLOCKS =
    None
 GLOBAL VARIABLES (Macro pass) =
CI Control Area
```

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	168	DFHWMTPS	
(0)	ADDRESS	4	*	Reserved for chain ptr
(4)	BITSTRING	1	WMTCFLGS	Flags
	1		WMTCFCHG	CI has been changed
	.1		WMTCFSAF	CI can be written without impacting any backup.
	1		WMTCFUWM	CI contains unwritten complete messages.
(5)	CHARACTER	3	WMTCFDBK	VSAM feedback data copied from RPL.
(5)	UNSIGNED	1	WMTCRTNC	VSAM return code
(6)	UNSIGNED	1	*	VSAM component code
(7)	UNSIGNED	1	WMTCRSNC	VSAM reason code
(8)	ADDRESS	4	WMTCBUFA	Address of CI buffer
(C)	ADDRESS	4	WMTCIDFA	Address of CIDF in buffer
(10)	ADDRESS	4	WMTCECB	ECB for VSAM to post
(14)	UNSIGNED	4	WMTCRBA	RBA argument for VSAM requests.
(18)	ADDRESS	4	WMTCWQEF	Address of queue element of most recent record in CI which specifed FORCE
(18)	ADDRESS	4	WMTCRDFA	Address of last used RDF
(1C)	HALFWORD	2	WMTCOFF	Offset of end of last complete message record in CI - 0 if none.
(1E)	HALFWORD	2	WMTCICL	Length of CI control area
(20)	FULLWORD	4	WMTCCNO	Cycle to which CI belongs
(24)	CHARACTER	128	WMTCMSGA	VSAM request message area
(A8)	CHARACTER		WMTCRPL	End of fixed part. Start of associated RPL.

PUTMSG Transmission control data

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	WMTP	
(0)	CHARACTER	8	WMTPAWC	Active write cursor of end of latest complete message
(0)	FULLWORD	4	WMTPWCNO	Active write cycle number
(4)	UNSIGNED	4	WMTPWRBA	Active write RBA
(8)	FULLWORD	4	WMTPSEQN	Message sequence number
(C)	ADDRESS	4	WMTPCCCA	Current CI control area

Offset Hex	Туре	Len	Name (Dim)	Description
(10)	FULLWORD	4	WMTPCCNO	Current write cycle number
(14)	BITSTRING	2	WMTPFLGS	
	1		WMTPFMOV	Moving user data
	.1		WMTPFMDS	'Multiple discard' - the previous non-crucial msg was also discarded.
(14)	BITSTRING	1	*	Reserved
(16)	HALFWORD	2	WMTPMAXL	Maximum record length
(18)	CHARACTER		WMTPEND	

GETMSG Transmission control data

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	28	WMTG	
(0)	CHARACTER	8	WMTGBRC	Backup read cursor
(0)	FULLWORD	4	WMTGRCNO	Backup read cycle number
(4)	UNSIGNED	4	WMTGRRBA	Backup read RBA
(8)	CHARACTER	8	WMTGAWC	Active write cursor when current CI was read.
(8)	FULLWORD	4	WMTGWCNO	Active write cycle number
(C)	UNSIGNED	4	WMTGWRBA	Active write RBA
(10)	FULLWORD	4	WMTGSEQN	Message sequence number
(14)	ADDRESS	4	WMTGCCCA	Current CI control area
(18)	BITSTRING	2	WMTGFLGS	
	1		WMTGFMOV	Moving user data
	.1		WMTGFFMR	First message received
(18)	BITSTRING	1	*	Reserved
(1A)	HALFWORD	2	*	Reserved
(1C)	CHARACTER		WMTGEND	

XRF CAVM notify exit **WNF**

```
CONTROL BLOCK NAME = DFHWNFPS
DESCRIPTIVE NAME = CICS (XRF) - CAVM NOTIFY Exit
                          Parameter Block
FUNCTION =
   CAVM uses the NOTIFY Exit Parameter Block to describe an
   event it has detected which needs to be brought to the
   attention of the user of CAVM.
LIFETIME =
   The duration of the call to the NOTIFY exit.
STORAGE CLASS =
   Non-CICS storage. Usually in the automatic storage
   (managed by the CAVM LIFO mechanism) of the NOTIFY exit's
caller.
LOCATION =
   On entry to the NOTIFY exit, R1 contains the address of its
   parameter block.
INNER CONTROL BLOCKS =
   None.
NOTES:
DEPENDENCIES = S/370
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
 CONTROL BLOCKS =
 None.
GLOBAL VARIABLES (Macro pass) =
    None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	DFHWNFPS	
(0)	FULLWORD	4	WNFRSV1	Reserved - must be zero
(4)	UNSIGNED	1	WNFEVENT	Event code
(5)	BITSTRING	1	WNFEVNTM	Event modifier bits
	1		WNFMDCEC	Event was in different CEC
	.1		WNFMICPA	Event refers to an incipient ACTIVE
	1		WNFMSYSD	If on, event refers to a sign-off due to MVS failure
	1 1111		*	Reserved
(6)	BITSTRING	1	WNFXBITS	Existence bits for other fields
	1		WNFIX	Index exists
	.1		WNFD1X	DATA1 exists

Offset Hex	Туре	Len	Name (Dim)	Description
	1		WNFD2X	DATA2 exists
	1		WNFDAX	Additional DATA exists
	1111		*	Reserved
(7)	UNSIGNED	1	WNFINDEX	Index identifying BACKUP slot - zero for ACTIVE
(8)	FULLWORD	4	WNFDATA1	First data word
(8)	FULLWORD	4	WNFINST#	Instance no. for signon, signoff etc
(8)	FULLWORD	4	WNFHBLAT	No. of seconds 'heart-beat' is late
(8)	FULLWORD	4	WNFABCC	ABEND code (WNFEFAIL)
(C)	FULLWORD	4	WNFDATA2	Second data word
(C)	FULLWORD	4	WNFVERN#	Version no. for signon, signoff etc
(C)	CHARACTER	4	WNFQNAME	New queue name (WNFENEWQ)
(10)	ADDRESS	4	WNFDATAA	Address of additional data
(14)	FULLWORD	4	WNFDATAL	Length of additional data
(18)	CHARACTER		WNFEND	

Constants

Len	Туре	Value	Name	Description
1	DECIMAL	1	WNFESON	Signon
1	DECIMAL	2	WNFESOFN	Signoff normal
1	DECIMAL	3	WNFESOFA	Signoff abnormal
1	DECIMAL	7	WNFECKDC	The TOD clock difference has changed
1	DECIMAL	8	WNFEIHRC	The 'Inquire Health' response has changed
1	DECIMAL	9	WNFEHBOD	Heart-beat is overdue
1	DECIMAL	10	WNFEHBRS	Heart-beat has restarted
1	DECIMAL	15	WNFERQTK	This system wants to take over from you.
1	DECIMAL	16	WNFEICPA	You are now the incipient active but your TOD clock might be behind
1	DECIMAL	17	WNFECKAS	Your TOD clock is now ahead of active's at signoff
1	DECIMAL	18	WNFEACTV	You are now the active in all respects except that your TOD clock
				might still be behind
1	DECIMAL	19	WNFECKAT	Your TOD clock is now ahead of active's at job termination
1	DECIMAL	20	WNFEPRMT	Another BACKUP pre-empted you after your TAKEOVER request had
				been accepted
1	DECIMAL	21	WNFETKFL	Takeover failed because of an error detected after the request had
				been accepted
1	DECIMAL	24	WNFEFAIL	CAVM has failed
1	DECIMAL	25	WNFEINVL	Active has invalidated you
1	DECIMAL	32	WNFENEWQ	Message arrival has caused a new message queue to be created
1	DECIMAL	33	WNFEREQM	Request message arrived
1	DECIMAL	34	WNFERSPM	Response message received
1	DECIMAL	35	WNFERSPX	Expected responder to a PUTREQ has gone away
1	DECIMAL	36	WNFENEWA	A message has arrived from a new ACTIVE instance

WSA XRF CAVM surveillance status

```
CONTROL BLOCK NAME = DFHWSADS
DESCRIPTIVE NAME = CICS (XRF) - CAVM Surveillance Status
Control Blocks
FUNCTION =
    The various CAVM Surveillance Status Control Blocks exist
    to permit the 4 independent CAVM surveillance processes
    (2 status writers and 2 status readers) to communicate with
    other CAVM processes and with each other.
    Each XRF system contains a single set of these Surveillance
    Status Control Blocks.
LIFETIME =
     The Surveillance Status Control Block, Public Status Area
    Descriptors and Public Status Areas in a given XRF system
     are all created at the same time during CAVM SIGNON by
    DFHWSSN2.
    The actual Status CIs are created by DFHWSSN3 as records
    filled with binary zeroes when it formats a new CAVM Control
    or Message Data Set. They are never destroyed except by
    deletion of the data set.
STORAGE CLASS =
    Non-CICS storage. In MVS subpool 0 above the 16M line.
    The Status CIs themselves reside on DASD in the CAVM Control
    or Message Data Sets or in I/O buffers in MVS subpool 0
    above the 16M line.
LOCATION =
    Field WCGSA in the CAVM Global Control Block (DFHWCGDS)
     contains a pointer to the Surveillance Status Control
    Block (DFHWSADS), which itself includes an array of Public
    Status Area Descriptors (WSADs) starting at WSAGWSAD.
INNER CONTROL BLOCKS =
   See FUNCTION and LOCATION.
  DEPENDENCIES = S/370
  RESTRICTIONS =
      Status Record must not become too large to fit in a 4K CI.
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
     None.
   DATA AREAS =
  CONTROL BLOCKS =
```

GLOBAL VARIABLES (Macro pass) =

None.

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)			DFHWSADS	CAVM Surveillance Status Control Block
(0)	CHARACTER	8	WSAGID	Eye Catcher DFHWSAPS
(8)	BITSTRING	1	WSAGWRQD	Status Write Required Mask
	1		WSAGPSWR	"X'80" Status Write to Control File needed
	.1		WSAGSSWR	"X'40'" Status Write to Message File needed
(9)	BITSTRING	1	WSAGVRQD	Status Verification Required Mask
	1		WSAGPSVR	"X'80" Control File status verify needed
	.1		WSAGSSVR	"X'40" Message File status verify needed
(A)	BITSTRING	1	WSAGWSTK	Status Writers Stuck Mask
(B)	BITSTRING	1	WSAGRSTK	Status Readers Stuck Mask
(C)	HALFWORD	2	WSAGBN	Maximum number of concurrent BACKUPs
(E)	HALFWORD	2	WSAGINDX	Index to this system's entry in the array of status descriptors (zero origin)
(10)	HALFWORD	2	WSAG#BSU	No. of BACKUPs whose Public Status is not yet available - WDSBBPSA is broadcast when
				this reaches zero
(12)	BITSTRING	1	WSAGSRFL	Flags for controlling Status Readers
	1		WSAGQBSR	"X'80" Quiesce Backup Status Readers
(13)	BITSTRING	1	WSAGPRST	Flags for recording the progress of a request to read the ACTIVE's latest status
(14)	FULLWORD	4	(0)	Ensure full word alignment
(14)	BITSTRING	4	WSAGRES	Internal ECB POSTed when request to read the ACTIVE's latest status has been completed
(18)	BITSTRING	4	WSAGWEP	Internal ECB POSTed to request a Status Write to the Control File
(1C)	BITSTRING	4	WSAGWES	Internal ECB POSTed to request a Status Write to the Message File
(20)	BITSTRING	8	WSAGPWCM (0)	Control File Write Complete Masks
(20)	BITSTRING	4	WSAGWCP	Mask defining event which will be broadcast when next Status Write to Control File completes
				successfully
(24)	BITSTRING	4	WSAGWCEP	Mask defining event which will be broadcast when next Status Write to Control File completes
				with error
(28)	BITSTRING	8	WSAGSWCM (0)	Message File Write Complete Masks
(28)	BITSTRING	4	WSAGWCS	Mask defining event which will be broadcast when next Status Write to Message File
				completes successfully
(2C)	BITSTRING	4	WSAGWCES	Mask defining event which will be broadcast when next Status Write to Message File
				completes with error
(30)	FULLWORD	4	(0)	Ensure full word alignment

Offset Hex	Туре	Len	Name (Dim)	Description
(30)	CHARACTER	8	WSAGPAIV	Instance & version no. of previous ACTIVE job which has either signed off or is no longer executing according to JES (BACKUPs only)
(38)	ADDRESS	4	WSAGP (0)	Start of Array of Status Descriptors
(38)	ADDRESS	4	WSAGWSAD (0)	Start of Array of Status Descriptors
	11 1		WSAGHDRL	"*-DFHWSADS"
Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	ADDRESS	4	WSAD WSADPB (0)	CAVM Public Status Area Descriptor Alternative Name
(0)	ADDRESS	4	WSADPSA	Address of Public Status Area
(4)	HALFWORD	2	WSADTOTL	Total length of Public Status
(6) (8)	HALFWORD HALFWORD	2 2	WSADSHRL WSADIDVL	Length of shared Status section Length of individual Status section
(A)	HALFWORD	2	WSADPOFF	Offset to my individual section in partner's Public Status
(C)	ADDRESS	4	WSADSRCP	Pointer to Communications Area for Status Reader and Writer Processes
	1		WSADL	"*-WSAD"
Offset	Туре	Len	Name (Dim)	Description
Hex			W0.4.0	
(0) (0)	SIGNED	1	WSAS WSASST1	Common Shared Section of Status System Status 1
(3)		'	WSASSOFN	"0" Signed off normally (must be zero)
	1		WSASSON	"1" Signed on
(1)	1. SIGNED	1	WSASSOFA WSASST2	"2" Signed off abnormally System Status 2
(1)	1	•	WSASACT	"1" System is ACTIVE
	1.		WSASINCP	"2" System is incipient ACTIVE
(2)	11 BITSTRING	1	WSASBKUP WSASST3	"3" System is a BACKUP System status 3
(2)	1	ı	WSASXCFA	"X'80" System has XCF services avail.
(3)	BITSTRING	1		Reserved
(4)	CHARACTER	8	WSASI#V# (0)	Instance and Version number
(4) (4)	CHARACTER FULLWORD	8 4	WSASIVN (0) WSASINST	Alternative name for I & V System's Instance number
(8)	FULLWORD	4	WSASVERN	System's Version number (always 1 for BACKUPs)
(C)	CHARACTER	16	WSASM (0)	Message state data (meaningful only for ACTIVE system)
(C) (10)	FULLWORD CHARACTER	4 8	WSASMCID WSASMAWC (0)	CIDF corresponding to AWC ACTIVE Write Cursor
(10)	FULLWORD	4	WSASMCNO	Message cycle number
(14)	FULLWORD	4	WSASMRBA	RBA of end of last message
(18) (1C)	FULLWORD CHARACTER	4 12	WSASMSQN WSASMVSI	Sequence no. of last message MVS System Identification - SMF ID and time & date of IPL
(28)	CHARACTER	8	WSASSPLX	XCF Sysplex name
(30)	CHARACTER	8	WSASSNAM	MVS System name
(38) (3C)	CHARACTER FULLWORD	4 4	WSASSTOK WSASHBI	MVS Instance token 'Heart-beat' interval
(40)	FULLWORD	4	WSASHBC	'Heart-beat' counter
(44)	HALFWORD	2		Reserved
(46) (48)	HALFWORD CHARACTER	2 256	WSASIHLL WSASIHLD	Length of local 'Inquire Health' data Local 'Inquire Health' data
(148)	HALFWORD	2	WONGINED	Reserved
(14A)	HALFWORD	2	WSASIHGL	Length of global 'Inquire Health' data
(14C) (14C)	CHARACTER	128	WSASIHGD WSASL	Global 'Inquire Health' data "*-WSAS"
(112)				
Offset	Туре	Len	Name (Dim)	Description
Hex (0)			WSAR	Specific Partner's Section of Status
(0)	HALFWORD	2		Reserved
(2)	HALFWORD	2	WSARQROF	Offset to Message Management PUTREQ data (WSARQR)
(4) (4)	CHARACTER CHARACTER	16 8	WSARM (0) WSARMBRC (0)	Message state data BACKUP Read Cursor or Initial Read Cursor
(4)	FULLWORD	4	WSARMCNO	Message file cycle number
(8)	FULLWORD	4	WSARMRBA	RBA of end of last message read or of 1st message to be read
(C) (10)	FULLWORD FULLWORD	4 4	WSARINST	Instance Number Reserved
(10)	1 .1	7	WSARL	"*-WSAR"
0#	Time	1	Name (Di)	Pagarintian
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WSARIV	Invalidation Message from ACTIVE
(0) (4)	FULLWORD CHARACTER	4 12	WSARIVI# WSARIVRC	Instance number of BACKUP which is now invalid Invalidation reason code
(4)	1	12	WSARIVL	"*-WSARIV"

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WSARTM	TAKEOVER message from BACKUP
(0)	HALFWORD	2		Reserved
(2)	HALFWORD	2	WSARTMLN	Length of message
(4)	FULLWORD	4	WSARTMSI	Instance number of BACKUP trying to take over
(8)	CHARACTER	8	WSARTMIV (0)	
(8)	FULLWORD	4	WSARTMI#	Instance number of ACTIVE to be taken over
(C)	FULLWORD	4	WSARTMV#	Version number of ACTIVE to be taken over
(10)	CHARACTER	128	WSARTMSG	Takeover message
	11		WSARTML	"*-WSARTM"
Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)			WSARQR	Message Management PUTREQ & PUTRSP messages
(0)	1 CHARACTER	128	WSARQRL	"128" Length of a Request or Response Message
(0) (80)	FULLWORD	128	WSARREQ (0)	Request message (PUTREQ) Ensure full word alignment
(80)	CHARACTER	1	WSARRSP	Response message (PUTRSP)
(00)	OHARAOTER	,	WOAKKOI	response message (FORGE)
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WSASV1	Version 1 WSAS
(0)	SIGNED	1	WSV1ST1	System Status 1
			WSV1SOFN	"0" Signed off normally (must be 0)
	1		WSV1SON	"1" Signed on
	1.		WSV1SOFA	"2" Signed off abnormally
(1)	SIGNED	1	WSV1ST2	System Status 2
	1		WSV1ACT	"1" System is ACTIVE
	1. 11		WSV1INCP WSV1BKUP	"2" System is incipient ACTIVE "3" System is a BACKUP
(2)	HALFWORD	2	WOVIDNOF	Reserved
(4)	CHARACTER	8	WSV1I#V# (0)	Instance and Version number
(4)	CHARACTER	8	WSV1I/VN (0)	Alternative name for I & V
(4)	FULLWORD	4	WSV1INST	System's Instance number
(8)	FULLWORD	4	WSV1VERN	System's Version number (always 1 for BACKUPs)
(C)	CHARACTER	16	WSV1M (0)	Message state data (meaningful only for ACTIVE system)
(C)	FULLWORD	4	WSV1MCID	CIDF corresponding to AWC
(10)	CHARACTER	8	WSV1MAWC (0)	ACTIVE Write Cursor
(10)	FULLWORD	4	WSV1MCNO	Message cycle number
(14)	FULLWORD	4	WSV1MRBA	RBA of end of last message
(18)	FULLWORD	4	WSV1MSQN	Sequence no. of last message
(1C)	CHARACTER	12	WSV1MVSI	MVS System Identification - SMF ID and time & date of IPL
(28)	FULLWORD	4	WSV1HBI	'Heart-beat' interval
(2C)	FULLWORD	4	WSV1HBC	'Heart-beat' counter
(30)	HALFWORD	2 2	W6/41F1	Reserved
(32) (34)	HALFWORD	256	WSV1IHLL WSV1IHLD	Length of local 'Inquire Health' data Local 'Inquire Health' data
(134)	CHARACTER HALFWORD	256 2	VVOVIINLU	Reserved
(134)	HALFWORD	2	WSV1IHGL	Length of global 'Inquire Health' data
(138)	CHARACTER	128	WSV1IHGD WSV1IHGD	Global 'Inquire Health' data
(138)	O. IAIAO I EIX	120	WSV1L	"*-WSASV1"

WSC XRF CAVM time-of-day clock difference

```
CONTROL BLOCK NAME = DFHWSCDS
DESCRIPTIVE NAME = CICS (XRF) - CAVM TOD Clock Difference
Control Area
FUNCTION =
    A BACKUP system uses this control block to keep track of
    the difference between the ACTIVE system's TOD clock and
    its own when they are running in different CECs.
    There is one instance of this control block per BACKUP.
LIFETIME =
    DFHWSXPI creates this control block when a BACKUP system
    signs on to CAVM and DFHWSTKV destroys it when the BACKUP
    takes over from the ACTIVE.
STORAGE CLASS =
    Non-CICS storage. In MVS subpool 0 above 16M line.
LOCATION =
    Field WCGCKDA in the XRF Global Control Block (DFHWCGDS)
    contains a pointer to the TOD Clock Difference Control Area.
INNER CONTROL BLOCKS =
NOTES:
  DEPENDENCIES = S/370
 RESTRICTIONS =
     None.
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
    None.
  DATA AREAS =
     None
  CONTROL BLOCKS =
     None.
  GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WSCKD	TOD Clock Difference Control Area
(0)	DBL WORD	8	CKDLTMIN	Current minimum estimate of amount by which ACTIVE's TOD clock is ahead of this BACKUP's
(8)	DBL WORD	8	CKDLTMAX	Current maximum estimate of amount by which ACTIVE's TOD clock is ahead of this BACKUP's
(10)	FULLWORD	4	CKDTOD	ACTIVE's TOD clock reading corresponding to the current deltas to permit compensation for relative gain or loss of TOD clocks
	1.1.		CKDSHIFT	"10" Shift value corresponding to max. assumed relative rate of gain or loss of two TOD clocks (1 in 1024)
(14)	CHARACTER1	12	CKDMVSI WSCKDL	MVS instance (SMF ID, IPL time & date) to which clock difference refers "*-WSCKD"

WSM XRF CAVM state manager record description

```
CONTROL BLOCK NAME = DFHWSMDS
DESCRIPTIVE NAME = CICS (XRF) - CAVM State Management
                          Record Description
FUNCTION =
    This control block defines the format of the State
    Management Record in the CAVM Control Data Set, which
    is used to keep track of what CICS jobs are signed on
    to CAVM and their current state (ACTIVE, normal BACKUP,
    BACKUP performing TAKEOVER, etc.).
There is one State Management Record in each CAVM
    Control Data Set. It contains just one instance of
    SMDESCR and instances of WSJDESC for each ACTIVE or
    BACKUP job which CAVM will allow to sign on concurrently
    using that particular CAVM Control Data Set. The instance
    of WSJDESC which immediately follows SMDESCR always refers
    to the ACTIVE job.
LIFETIME =
    The State Management Record is created by DFHWSSN3 when it
    formats a new CAVM Control Data Set and is initialised by
    DFHWSSN2 during the first successful SIGNON.
    It is never destroyed except by deletion of the data set.
STORAGE CLASS =
    This control block resides on DASD in the CAVM Control
    Data Set or in an I/O buffer or work area in MVS subpool
    0 above the 16M line.
LOCATION =
    Field WFGSMRBA in the CAVM File Control Block (DFHWFGDS)
    contains the RBA of the State Management Record within
    the CAVM Control Data Set. It is always the second CI
    in the data set.
INNER CONTROL BLOCKS =
    None.
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS =
      None.
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
  DATA AREAS =
     None
  CONTROL BLOCKS =
     None.
  GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SMDESCR	State Management Record Global Data
(0)	FULLWORD	4	SMDSECCT	Security count updated whenever the State Management Record is updated
(4)	FULLWORD	4	SMDINST#	Instance Number assigned to last system which signed on (ACTIVE or BACKUP)
(8)	CHARACTER	8	SMDAI#V# (0)	Last ACTIVE instance & version
(8)	FULLWORD	4	SMDAINST	Instance no. of current (or last) ACTIVE system
(C)	FULLWORD	4	SMDAVERN	Version no. of current (or last) ACTIVE system
(10)	DBL WORD	8	SMDR#TOD (0)	Array of resource time-stamps
(10)	DBL WORD	8	SMDR1TOD	Time-stamp for resource set R1 - estimated reading of last updater's TOD clock when he signed off from CAVM
(18)	DBL WORD	8	SMDR2TOD	Time-stamp for resource set R2 - estimated reading of last updater's TOD clock when his job terminated
(20)	HALFWORD	2	SMDR#NDX (0)	Array of resource ownership indices in same order as time-stamps
(20)	HALFWORD	2	SMDR1NDX	Index to the job description of the current owner of resource set R1 or 1's complement of last owner's index if R1 is free
(22)	HALFWORD	2	SMDR2NDX	Index to the job description of the current owner of resource set R2 or 1's complement of last owner's index if R2 is free
(24)	HALFWORD	2	SMDTKNDX	Index to the job description of the BACKUP which is performing TAKEOVER or 1's complement of index of last BACKUP to attempt it
(26)	HALFWORD	2	SMD#JOBS	Number of job descriptions in the State Management Record
(28)	DBL WORD	8	SMDSMJ0 (0)	Start of ACTIVE's job description
	1. 1		SMDL	"*-SMDESCR"
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WSJDESC	State Management Record Job Description
(0)	CHARACTER	8	WSJSAPPL	Specific APPLID
(8)	CHARACTER	8	WSJOBNAM	Job Name
(10)	CHARACTER1 1	8	WSJOBID WSJS1END	JES Job Identifier
(8)	CHARACTER	16	WSJOBNID	

Offset Hex	Туре	Len	Name (Dim)	Description
(18)	FULLWORD	4	WSJSTIME	Job submission time (from JMR)
(1C)	FULLWORD	4	WSJSDATE	Job submission date (from JMR)
(20)	FULLWORD	4	WSJATIME	Time when job-step task was ATTACHed
(24)	CHARACTER	4	WSJSSNAM	MVS subsystem name of job's JES
(28)	CHARACTER	12	WSJMVSID	MVS system instance - SMF ID and time & date of IPL
	11 .1		WSJS2END	!±!!
(24)	CHARACTER	16	WSJMVSIJ	
(34)	CHARACTER	8	WSJCANNM	Name to use in MVS CANCEL command to cancel this job (from CSCB)
(3C)	HALFWORD	2	WSJASID	ASID of job's address space
	11 111.		WSJS3END	Ⅱ★ Ⅱ
(8)	CHARACTER	54	WSJOBSTI	
(3E)	CHARACTER	1	WSJSIND	System Indicator
	1		WSJXCFA	"X'80" XCF available in MVS release
(3F)	SIGNED	1	WSJSTAT	Job status - signed on, signed off normally or signed off abnormally
(40)	DBL WORD	8	WSJSNTOD	TOD clock reading when CAVM SIGNON processing started
(48)	CHARACTER	4	WSJRST (0)	Restart information field
(48)	CHARACTER	3	WSJEYECA	Restart Eyecatcher '>RS'
(4B)	CHARACTER	1	WSJRSTYP	Restart type indicator
	1		WSJRSJOB	"X'01'" Restart as JOB
	1.		WSJRSSTC	"X'02'" Restart as Started Task
(4C)	FULLWORD	4		Spare
(50)	DBL WORD	8	(0)	Force length to double word multiple
	.1.1		WSJLVER1	"*-WSJDESC" Len of pre-CICS/ESA 3.2 job desc
(50)	CHARACTER	8	WSJSPLX	XCF Sysplex Name
(58)	CHARACTER	8	WSJSNAM	MVS Sytem name
(60)	CHARACTER	4	WSJSTOK	MVS System Instance token
(68)	DBL WORD	8	(0)	Force length to double word
	.11. 1		WSJS4END	H±H
(50)	CHARACTER	24	WSJXCFD	XCF Details
(58)	CHARACTER	16	WSJSDET	MVS System details
	.11. 1		WSJL	"*-WSJDESC" Len of CICS/ESA 3.2 job desc.

The following DSECT describes the control CI of the CAVM control and message datasets. All the fields are set by DFHWSSN3 when it opens a new pair of CAVM datasets for the first time and the contents are verified on all subsequent SIGNON's.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			CTLREC	Control CI description
(0)	FULLWORD	4	CTLVER#	CAVM dataset version number CTLVER# = 1> Pre CICS 3.2 CTLVER# = 2> CICS 3.2
(4)	FULLWORD	4		
(8)	CHARACTER	8	CTLDDN	CAVM DD name (CDS or MDS ?)
(10)	CHARACTER	8	CTLGAPPL	Generic applid initialised for
(18)	CHARACTER	20	CTLUNQID	TOD d/s initialised plus MVS id
	1. 11		CTLRECL	"*-CTLREC"

WSN XRF entry points table

```
CONTROL BLOCK NAME = DFHWSNDS
DESCRIPTIVE NAME = CICS (XRF) - Table of Entry Points in load module DFHWSMS
FUNCTION =
     This entry point table makes the entry points of modules
     in load module DFHWSMS available for use by code in the
     separate transient CAVM SIGNON load module DFHWSSON.
     The only instance of the table is in module DFHWSTI.
LIFETIME =
    Not applicable.
STORAGE CLASS =
    Not applicable.
LOCATION =
     This entry point table is contained in module DFHWSTI.
On entry to DFHWSXPI, its address is in R1. INNER CONTROL BLOCKS =
    None.
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS =
      None.
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
     None.
  DATA AREAS =
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
     None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SMSENTAB	Table of entry points in DFHWSMS
(0)	ADDRESS	4	SMSESTKV	EPA of DFHWSTKV
(4)	ADDRESS	4	SMSESSW	EPA of DFHWSSW
(8)	ADDRESS	4	SMSESSR	EPA of DFHWSSR
(C)	ADDRESS	4	SMSEMMI	EPA of DFHWMMI

WSR XRF CAVM surveillance

```
CONTROL BLOCK NAME = DFHWSRDS
DESCRIPTIVE NAME = CICS (XRF) - CAVM Surveillance
                          Communications Area
FUNCTION =
    The Surveillance Communications Areas are needed to allow
    the 4 independent CAVM surveillance processes (2 status
    writers and 2 status readers) to share some common data.
    In each XRF system, there are separate Surveillance
    Communications Areas referring to each actual or potential
    partner XRF system as well as a single Surveillance
    Communications Area referring to that system itself.
    The Status Record Header contains a TOD clock reading used
    in clock difference calculations and a sequence number used
    to determine which of two status records contains the more
    up-to-date information. It is built immediately before
    writing an XRF system's status to its Status CI in the
    CAVM Control Data Set or Message Data Set.
LIFETIME =
    All the Surveillance Communications Areas in a given XRF
    system are created at the same time during CAVM SIGNON by
    DFHWSSN2.
STORAGE CLASS =
    Non-CICS storage. In MVS subpool 0 above 16M line.
LOCATION =
    Field WSADSRCP in each Public Status Area Descriptor (WSAD)
    contains a pointer to the corresponding XRF system's
    Surveillance Communications Area.
INNER CONTROL BLOCKS =
    None.
NOTES:
 DEPENDENCIES = S/370
  RESTRICTIONS =
     None.
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
     None.
  DATA AREAS =
     None.
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
     None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SRHEADER	Status Record Header
(0)	DBL WORD	8	SRHTOD	Latest TOD clock reading
(8)	FULLWORD	4	SRHSEQ#	Sequence number of Status Write
` '	11		SRHEADRL	"*-SRHEADER" Length of Status Record Header
	11		SRHWSAS	"*" Start of common shared section of Status (WSAS)
Offset	Type	Len	Name (Dim)	Description
Hex	Турс	Lon	Hame (Dilli)	Description
(0)			SRVCOM	Surveillance Communications Area
(0)	CHARACTER	1	SRVCHBOD	Indicator that 'heart-beat overdue' NOTIFY has been issued
(1)	CHARACTER	1	SRVCSOFA	Indicator that 'sign-off' abnormal NOTIFY has been issued
(2)	CHARACTER	1	SRVCSVCF	Indicator that DFH6646 msg has been issued as a result of SVC failureL1A
(3)	BITSTRING	1	SRVCHBPM	'Heart-beat' position mask showing which CAVM file is being read to track this partner's 'heart-beat'
(4)	BITSTRING	1	SRVCHBLM	'Heart-beat' late mask showing which files have been read without finding this partner's 'heart-beat'
(5)	BITSTRING	1	SRVCIOEM	I/O error mask showing which files have had an I/O error during the last read or write of this status CI
(8)	FULLWORD	4	SRVCLIHT	TOD when most recent indication that this partner's 'INQUIRE HEALTH' exit had run was detected
(C)	FULLWORD	4	SRVCPBS#	Status write sequence no. of Public Status
(10)	FULLWORD	4	SRVCLS#P	Sequence no. of latest status read from or written to the control file
(14)	FULLWORD	4	SRVCLS#S	Sequence no. of latest status read from or written to the message file
	1 1		SRVCOML	"*-SRVCOM"

WSS XRF CAVM state manager parameter list

```
CONTROL BLOCK NAME = DFHWSSDS
DESCRIPTIVE NAME = CICS (XRF) - CAVM State Management
Parameter Block
FUNCTION =
    The CAVM State Management Parameter Block is used to
    describe a CAVM SIGNON, SIGNOFF or TAKEOVER request.
LIFETIME =
Determined by the user of CAVM. STORAGE CLASS =
    Determined by the user of CAVM.
LOCATION =
    On entry to CAVM code, R1 points at the parameter block.
INNER CONTROL BLOCKS =
    None.
NOTES :
  DEPENDENCIES = S/370
  RESTRICTIONS =
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
  None.
DATA AREAS =
     None.
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
     None.
```

Offset Type		Len	Name (Dim)	Description
(0)			DFHWSSDS	State management parameter block - pointed to by R1
(0)	FULLWORD	4	WSSFUNC	Function
(4)	HALFWORD	2	WSSFUNCM	Function modifier
(6)	SIGNED	1	WSSRESP	Response
` '	SIGNED	1		Reason code
(7)		-	WSSREASC	
(8)	ADDRESS	4	WSSUNIQA	Addr. of section unique to function
(C)	FULLWORD	4	WSSUNIQL	Length of section unique to function
	1		WSSCOMND	"*" End of common section
	1		WSSCOMLN	"*-DFHWSSDS" Length of common section
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WSSSONDS	Unique parameters for SIGNON
(0)	CHARACTER	8	WSSGAPPL	Generic APPLID
(8)	CHARACTER	8	WSSSAPPL	Specific APPLID
(10)	ADDRESS	4	WSSNFEPA	Address of NOTIFY exit routine
(14)	FULLWORD	4	WSSNFPRM	Parameter for NOTIFY exit
(18)	ADDRESS	4	WSSIHEPA	Address of INQUIRE HEALTH exit
(1C)	FULLWORD	4	WSSIHPRM	Parameter for INQUIRE HEALTH exit
(20)	FULLWORD	4	WSSHBINT	Heart-beat interval in seconds
(24)	CHARACTER	4	WSSMVID	MVS SMF id. returned to caller
(28)	CHARACTER	4	WSSJSID	JES subsystem id. ret to caller
(2C)	CHARACTER	8	WSSSPLX	XCF Sysplex name
(34)	CHARACTER	8	WSSSNAM	MVS System name
(3C)	CHARACTER	4	WSSSTOK	MVS System Instance token
	BITSTRING	1		
(40)	1	1	WSSSIND	MVS System Indicator byte
			WSSXCFA	"X'80" XCF services available
	.11		WSSSONND	"*" End of section unique to SIGNON
	.11		WSSSONLN	"*-WSSSONDS" Length of section unique to SIGNON
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WSSSOFDS	Unique parameters for SIGNOFF
(0)	ADDRESS	4		Reserved - must be zero
(4)	HALFWORD	2		Reserved half-word - must be zero
(6)	HALFWORD	2		Reserved - must be zero
(8)	ADDRESS	4	WSSSFMMA	Address of my response msg buffer
(C)	HALFWORD	2	WSSSFMBL	Length of my response msg buffer
(E)	HALFWORD	2	WSSSFMML	Length of msg received from partner
(=)	1	-	WSSSOFND	"*" End of section unique to SIGNOFF
	1		WSSSOFLN	"*-WSSSOFDS" Length of section unique to SIGNOFF
				Wood Do Longin or acciton unique to diditor i

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WSSTKVDS	Unique parameters for TAKEOVER
(0)	FULLWORD	4	WSSINST#	Instance number of ACTIVE
(4)	FULLWORD	4	WSSVER#	Version number of ACTIVE (ignored if request is pre-emptive)
(8)	FULLWORD	4	WSSJTMTL	Job termination time limit (seconds)
(C)	ADDRESS	4	WSSTKVMA	Address of 'TAKEOVER' msg for ACTIVE
(10)	HALFWORD	2		Reserved half-word - must be zero
(12)	HALFWORD	2	WSSTKVML	Length of 'TAKEOVER' msg for ACTIVE
	1 .1		WSSTKVND	"*" End of section unique to TAKEOVER
	1 .1		WSSTKVLN	"*-WSSTKVDS" Length of section unique to TAKEOVER
Function	codes - values for \	WSSFUNC		
	1		WSSFSON	"1" SIGNON
	1.		WSSFSOFF	"2" SIGNOFF
	11		WSSFTKVR	"3" TAKEOVER
Function	modifiers - values f	or WSSFUN	СМ	
			WSSMSONA	"0" SIGNON as ACTIVE
	1		WSSMSONB	"1" SIGNON as BACKUP
			WSSMSOFN	"0" SIGNOFF NORMAL
	1		WSSMSOFA	"1" SIGNOFF ABNORMAL
			WSSMTKVN	"0" Non-pre-emptive TAKEOVER
	1		WSSMTKVP	"1" Pre-emptive TAKEOVER

WST XRF takeover parameter area

```
CONTROL BLOCK NAME = DFHWSTDS
DESCRIPTIVE NAME = CICS (XRF) - Takeover Parameter Area
FUNCTION =
    The Takeover Parameter Area is a storage area belonging to
    the CAVM TCB which is used to keep copies of the parameters
    CICS specified on the TAKEOVER request that the CAVM TCB
    is currently working on. DFHWSRTR makes the copies of the
    TAKEOVER parameters while running under the CICS TCB and
    the requesting TCA. If a subsequent failure in this TCA
    should lead to the freeing of the storage it owns, the
    CAVM TCB's processing of the TAKEOVER request will not be
    affected.
    Each XRF BACKUP system has a single TAKEOVER parameter area.
    To avoid the problems which might arise from concurrent use
    of the Takeover Parameter Area, the CAVM TCB does not
    reference it unless the POST bit in WCSTXECB is 1, whereas
    the CICS TCB does not reference it unless this bit is 0 and
    also issues a CICS ENQ on WCSTCECB to serialise with other
    CICS TCAs which might be issuing TAKEOVER requests.
    The Takeover Parameter Area is created by DFHWSXPI when a
    BACKUP system signs on to CAVM and is destroyed by
    DFHWSTKV during TAKEOVER processing.
STORAGE CLASS =
    Non-CICS storage. In MVS subpool 0 above 16M line.
LOCATION =
    Field WCSTKVPP in the XRF Static Area (DFHWCSDS) contains
    a pointer to the Takeover Parameter Area.
INNER CONTROL BLOCKS =
    None.
NOTES :
 DEPENDENCIES = S/370
 RESTRICTIONS =
     None.
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
    None.
  DATA AREAS =
    None.
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
    None.
```

Offset	Type	Len	Name (Dim)	Description
Hex				
(0)			TKVPA	TAKEOVER parameter area
(0)	HALFWORD	2	TKVFUNCM	Copy of TAKEOVER modifier from State Management parameter list
(2)	HALFWORD	2		Reserved - must be zero
(4)	FULLWORD	4	TKVINST#	Instance no. of ACTIVE system to be taken over
(8)	FULLWORD	4	TKVVER#	Version no. of ACTIVE system to be taken over (ignored if pre-emption is requested)

Offset Hex	Туре	Len	Name (Dim)	Description
(C)	FULLWORD	4	TKVJTMTL	Time limit for termination of the ACTIVE job after which operator assistance is sought (seconds)
(10)	FULLWORD	4	TKVMSGL	Length of TAKEOVER message to send to the ACTIVE job
(14)	CHARACTER 11 .1	128	TKVMSG TKVPALEN	TAKEOVER message for ACTIVE job "*-TKVPA"

XRF CAVM surveillance exits WSX

```
CONTROL BLOCK NAME = DFHWSXDS
DESCRIPTIVE NAME = CICS (XRF) - CAVM Surveillance Exits
                           Control Area
FUNCTION =
    The Surveillance Exits Control Area contains the entry
    point addresses and parameter values that the user
    specified at CAVM SIGNON for the NOTIFY and INQUIRE HEALTH
    exits, which are driven under the CAVM TCB during
    surveillance processing.
Each XRF system contains a single Surveillance Exits
    Control Area.
LIFETIME =
    The Surveillance Exits Control Area is created by DFHWSSN2
    during CAVM SIGNON.
STORAGE CLASS =
    Non-CICS storage. In MVS subpool 0 above 16M line.
LOCATION =
    Field WCGSXA in the XRF Global Control Block (DFHWCGDS)
    contains a pointer to the Surveillance Exits Control Area.
INNER CONTROL BLOCKS =
NOTES:
DEPENDENCIES = S/370
  RESTRICTIONS =
      None.
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
  None.
DATA AREAS =
     None.
  CONTROL BLOCKS =
     None.
  GLOBAL VARIABLES (Macro pass) =
     None.
```

Туре	Len	Name (Dim)	Description
		DFHWSXDS	Surveillance Exits Control Area
DBL WORD	8	WSXNFEPM (0)	Data for NOTIFY exit
ADDRESS	4	WSXNFEPA	NOTIFY exit entry point
ADDRESS	4	WSXNFPRM	NOTIFY exit parameter (R0)
DBL WORD	8	WSXIHEPM (0)	Data for INQUIRE HEALTH exit
ADDRESS	4	WSXIHEPA	INQUIRE HEALTH exit entry point
ADDRESS	4	WSXIHPRM	INQUIRE HEALTH exit parameter (R0)
1		WSXEND	H★H
1		WSXLEN	"*-DFHWSXDS" Length of control block
	DBL WORD ADDRESS ADDRESS DBL WORD ADDRESS ADDRESS	DBL WORD 8 ADDRESS 4 ADDRESS 4 DBL WORD 8 ADDRESS 4 ADDRESS 4 ADDRESS 4	DFHWSXDS DBL WORD 8 WSXNFEPM (0) ADDRESS 4 WSXNFEPA ADDRESS 4 WSXNFPRM DBL WORD 8 WSXIHEPM (0) ADDRESS 4 WSXIHEPA ADDRESS 4 WSXIHPRM 1 WSXEND

WS2 XRF parameter list

```
CONTROL BLOCK NAME = DFHWS2DS
DESCRIPTIVE NAME = CICS (XRF) - Parameter list for DFHWSSN2
FUNCTION =
     This parameter list is used to provide DFHWSSN2 with the
     data it needs to process a CAVM SIGNON request.
    It is used just once during every CAVM SIGNON.
LIFETIME =
    The DFHWSSN2 parameter list is created by DFHWSSN1, completed by DFHWSRTR, which issues the call to DFHWSSN2, and destroyed by DFHWSSN1.
STORAGE CLASS =
    Non-CICS storage. In DFHWSSN1's automatic storage.
LOCATION =
     On entry to DFHWSSN2, R1 contains a pointer to its parameter
    list.
INNER CONTROL BLOCKS =
    None.
 DEPENDENCIES = S/370
  RESTRICTIONS =
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
     None.
  DATA AREAS =
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
     None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SN2PLIST	Parameter List for DFHWSSN2
(0)	FULLWORD	4	SN2FUNC	Zero entry point address to tell DFHWSRTR to process a SIGNON request
(4)	ADDRESS	4	SN2ENTBP	Pointer to entry point table
(8)	ADDRESS	4	SN2WSSPP	Pointer to State Management parameter list for SIGNON received by DFHWSSN1
(C)	ADDRESS	4	SN2STATA	Pointer to XRF Static Area built by DFHWSSN1
(10)	ADDRESS	4	SN2XRFNT	Pointer to table of entry points of routines below 16M line (copy of CSAXRFNT in the CICS CSA)
(14)	ADDRESS	4	SN2ESSOF	Entry point address of DFHWSSOF
	1 1		SN2PLL	"*-SN2PLIST"
Offset Hex	Туре	Len	Name (Dim)	Description
(0)			SONENTAB	Table of entry points in DFHWSSON
(0)	ADDRESS	4	SONESSN2	EPA of DFHWSSN2
(4)	ADDRESS	4	SONEDINA	EPA of DFHWDINA
(8)	ADDRESS	4	SONESXPI	EPA of DFHWSXPI

WS3 XRF parameter list

```
CONTROL BLOCK NAME = DFHWS3DS
DESCRIPTIVE NAME = CICS (XRF) - Parameter list for DFHWSSN3
FUNCTION =
    This parameter list is used to provide DFHWSSN3 with the
    data it needs to prepare the CAVM control and message data
    sets for use by SIGNON.
    It is used just once in every CAVM SIGNON.
LIFETIME =
    The DFHWSSN3 parameter list is both created and destroyed
    by DFHWSSN2.
STORAGE CLASS =
    Non-CICS storage. In DFHWSSN2's automatic storage.
LOCATION =
    On entry to DFHWSSN3, R1 contains a pointer to its parameter
    list.
INNER CONTROL BLOCKS =
   None.
NOTES:
 DEPENDENCIES = S/370
  RESTRICTIONS =
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
    None.
  DATA AREAS =
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
    None.
```

Offset Hex	Type Len		Name (Dim)	Description		
(0)			SN3PLIST	Parameter List for DFHWSSN3		
(0)	CHARACTER	8	SN3GAPPL	Generic APPLID of system signing on		
(8)	CHARACTER	8	SN3SAPPL	Specific APPLID of system signing on		
(10)	CHARACTER	12	SN3MVSID	MVS system identification - SMF ID and time & date of IPL		
(1C)	FULLWORD	4	SN3#CIS	No. of CIs required for use by State Management in each CAVM file		
(20)	ADDRESS	4	SN3CIBFP	Pointer to CI buffer allocated by DFHWSSN3		
(24)	ADDRESS	4	SN3VSAMB	Pointer to VSAM Request Block built by DFHWSSN3		
(28)	ADDRESS	4	SN3FAA	Pointer to CAVM File Control Area built by DFHWSSN3		
	1. 11		SN3PLL	"*-SN3PLIST"		
Offset Hex	Туре	Len	Name (Dim)	Description		
(0)			VSAMRQB	VSAM Request Block		
(0)	FULLWORD	4	VSAMRBA	RBA of record to read or write		
(4)	ADDRESS	4	VSAMECB	External ECB for asynchronous request		
(8)	FULLWORD	4	VSAMRPL (0)	Start of RPL for VSAM request		
	1		VSAMRQBL	"*-VSAMRQB"		

WTA XRF takeover initiation argument block

```
CONTROL BLOCK NAME = DFHWTADS
Argument Block
FUNCTION =
DESCRIPTIVE NAME = CICS XRF Takeover Initiation
     Used to specify arguments for a request to
     XRF Takeover Initiation Program (DFHWTI).
     Requests are:
      o Takeover Initiation
o Verify CLT
o Overseer Operator Command
      o Inquire Job Status
      o Process CLT
      o Issue MODIFY USERVAR
       o Terminate External Subsystem
      o Verify AXI
      o Issue subsystem command
      o Disable XRF services
    There is one instance of this control block per request.
LIFETIME =
    Created and destroyed by caller.
STORAGE CLASS =
    MVS program key storage.
LOCATION =
     Pointed to by R1 on entry to Takeover Initiation Program.
INNER CONTROL BLOCKS =
NOTES:
  DEPENDENCIES = S/370 XA
  RESTRICTIONS =
  MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
   DATA AREAS =
   CONTROL BLOCKS =
   GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHWTADS	
R	EQUEST TYPE			
(0)	FULLWORD	4	WTAREQ (0)	
(0)	BITSTRING	1	WTAFUNC	Function
(1)	BITSTRING	1	WTAMOD	Modifier
(2)	CHARACTER	1	(2)	Reserved
AR	GUMENTS:			
(4)	FULLWORD	4	WTAARGS (0)	
	akeover Initiation			
	quire Job Status			
P	rocess CLT			
			WTACLLEN	"*-WTAARGS" Length of arguments forProcess CLT
(4)	CHARACTER	1	WTAICIND	CEC indicators Treat old active job as
	1		WTAICISA	"X'80""same MVS instance
	.1		WTAISYSA	"X'40"same XCF Sysplex
(6)	HALFWORD	2	WTAISCMD	Command code (Issue subsys cmd)
(8)	CHARACTER	4	WTAICMVS	MVS system identifier if activejob in separate CEC
(C)	FULLWORD	4	WTAICTOD	Most significant fullword ofTOD clock at time of lastchange of state
(10)	CHARACTER	8	WTAIJOBN	Job name as known by JES
(18)	CHARACTER	8	WTAIJOBI	Job identifier as known by JES
(20)	CHARACTER	8	WTAISNAM	MVS System name (CVTSNAM)
(28)	CHARACTER	4	WTAISTOK	MVS Instance Token (QUASSID)
(2C)	BITSTRING	1	WTAISTAT	MVS System State
	1		WTAISPRT	"X'80"In Sysplex Partitioning
	.1		WTAILOCL	"X'40""In XCFLOCAL mode
(2D)	CHARACTER	1	(3)	Reserved
	1. 11		WTAIJLEN	"*-WTAARGS" Length of arguments forInquire Job Status
(30)	CHARACTER	8	WTAITCAN	Job name for CANCEL command
(38)	CHARACTER	4	WTAITJES	JES subsystem name
(3C)	HALFWORD	2	WTAITASI	Address space indentifier
(3E)	HALFWORD	2		Reserved OLD CICS ACTIVE WAIT FOR TERMINATION DATA:
(40)	FULLWORD	4	WTAIJESI	JES delay interval
	.1		WTATILEN	"*-WTAARGS" Length of arguments forTakeover Initiation
	.1		WTAVCLEN	"*-WTAARGS" Length of arguments forVerify CLT
(44)	CHARACTER	4	WTAISSID	External subsystem id.
	.11		WTASCLEN	"*-WTAARGS" Length of arguments forlssue subssystem command
	.11		WTATELEN	"*-WTAARGS" Length of arguments forTerminate External subsystem
	.11		WTAVALEN	"*-WTAARGS" Length of arguments forVerify AXI

Offset Hex	Туре	Len	Name (Dim)	Description
Ov	odify Uservar erseer Operator Co sable XRF services	mmand		
(4) (4)	CHARACTER ADDRESS	5	WTADXLEN WTAMULEN WTAOCOMD (0) WTAOCAD	"*-WTAARGS" Length of arguments forDisable Services "*-WTAARGS" Length of arguments forModify Uservar Command data Address of command string
(8)	BITSTRING 1.1	1	WTAOCCL WTAOCLEN	Command string length (Maximumlength 126 characters) "*-WTAARGS" Length of arguments forOverseer Command
	quire System Details			
(4) (C) (10)	CHARACTER CHARACTER BITSTRING 1	8 4 1	WTAGSNAM WTAGSTOK WTAGSTAT WTAGSPRT WTAGLOCL WTAGSLEN WTALEN	MVS System Name (CVTSNAM) MVS Instance Token (QUASSID) MVS System State "X'80"In Sysplex Partitioning "X'40"In XCFLOCAL mode "*-WTAARGS" Length of arguments forInquire System details "*-DFHWTADS" Overall length
Re	as quest Function cod	s in MVS DSE es (WTAFUNC		
	1111111111111 1 1 1 1		WTAFTI WTAFJS WTAFVC WTAFOC WTAFMU WTAFCL WTAFTE WTAFVA WTAFSC WTAFDX WTAFIS	"X'01" Takeover Initiation "X'02" Inquire Job Status "X'03" Verify CLT "X'04" Overseer Operator Command "X'05" Issue 'F USERVAR' "X'06" Process CLT only "X'07" Terminate External Subsystem "X'08" Verify AXI "X'09" Issue subsystem command "X'0A" Disable XRF services "X'0B" Inquire MVS system details
	quest Modifiers er initiation			
	1		WTATICM WTATIPC WTATICS	"X'01" Do not terminate active job "X'02" Do not process CLT "X'04" Process CLT for same CEC only
Process	CLT			,
	1		WTATPCS	"WTATICS" Process CLT for same CEC only
Takeove	er external subsyste	m	WTATECM	"WTATICM" Do not terminate active system
Verify A				
	1		WTAVANCN WTAVANSS	"X'01" Do not check cancel name in AXI "X'02" Do not check subsystem id.
	mmand Codes (WT			
-	1		WTASCERE WTASCSWT	"1" /ERE "2" /SWITCH STANDBY SYSTEM
	TURN CODES:	5 on return		
	1	on return	WTARC0 WTARCF	"0" Successful: Warning reasoncode may be supplied in R0 "8" Failure: Failure reasoncode supplied in R0
By By By Re	ntents of register ze te 0 Original functio te 1 Original modifie tes 2-3 Reason cod ason code values y request type	n code er		
	1		WTARISD WTARIIA	"X'0004" Service disabled "X'0008" Invalid request or argument
Tal Warning	keover Initiation		WININ	A coop invalid request or argument
	11		WTARIDV WTARIDG WTARITF	"X'000C" CEC Dead Data request faileddue to SSI VERIFY requestfailure "X'0010" CEC Dead Data PUT failed dueGETMAIN failure "X'0014" Terminate command failed
Failures	1 1		WTARIAF	"X'0018" Authorization check failed
	1 11		WTARIAS	"X'001C" AFCS not found
Inc Success	quire Job Status sful:			
			WTARJNX WTARJSX WTARXNX	"X'0000" Job not executing - says JES "X'0020" Job executing "X'0021" Job not executing - says XCF

Offset Hex	Туре	Len	Name (Dim)	Description
Failures				
	111 11 11.1 111.		WTARJXF WTARJNU WTARJSSG WTARJSAT WTARJSTO	"X'0023" IXCQUERY failure "X'0024" JES not up "X'0025" subt. stor. Getmain failed "X'0026" Subtask Attach failed "X'0027" Subtask TimeOut
	1. 1		WTARJSE WTARJJDE	"X'0028" Subtask error "X'0029" Jes Detected Error
Ver Failures:	rify CLT			
	1 11 111 111 111111		WTARVAF WTARVAS WTARVNF WTARVMF WTARVJF WTARVSF	"WTARIAF" Authorization check failed "WTARIAS" AFCS not found "X'002C" Cancel name check failed "X'0030" MVS SID check failed "X'0034" JES subsystem name check failed "X'0038" Subsystem name check failed
Ove Failures:	erseer Operator	r Command		
	11 11		WTARONA	"X'003C" Not authorised
Pro Failures:	cess CLT			
	1 1 1 11 .11 .1 1 .1 1		WTARPAF WTARPAS WTARIMC WTARIMB WTARIMS WTARIMV	"WTARIAF" Authorization check failed "WTARIAS" AFCS not found "X'0040" Modify uservar CSCB not found "X'0044" Modify uservar command too long "X'0048" Modify uservar MGCR SVC error "X'004C" Modify uservar ISTAVT not found
Issu Failures:	ue Subsystem (Command		
	.1.1 .1.1 .1		WTARCSF WTARCCF	"X'0050'" SSI failure "X'0054'" Command failure
Inqu Success	uire System De ful:	tails command		
	.11 .111		WTARSOK WTARSNFN	"X'0060" Inquire system details OK "X'0061" Named system not in sysplex
Failures:				
	.111.1		WTARSLOG	"X'0065" IXCQUERY Logic error

Contents of register 1 on return Subtask failure indicators For Takeover Initiation, Terminate Subsystem and Inquire Job Status :-SSI/Subtask error status data

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			WTARCR1	
(0)	FULLWORD	4	WTARSSRC (0)	SSI/Subtask error flags
(0)	BITSTRING	1	WTARSJND	STATUS error indicators:
	1		WTARSJNC	"X'80" STATUS has hung. When caller TCBterminates it must do so byissuing ABEND.
				Other indicatorsin Reg 1 are unreliable.
	1		WTARSJNJ	"X'01" SSOBRETN byte 3 from IEFSSREQSTATUS in WTARSJSE
	1.		WTARSJNS	"X'02" R15 byte 3 from IEFSSREQSTATUS in WTARSJSE
	1		WTARSJNG	"X'04'" Subtask/exit routine storageGETMAIN failed
	1		WTARSJNA	"X'08'" Subtask ATTACH failed
	1		WTARSJNT	"X'10" Subtask timeout occurred
(1)	BITSTRING	1	WTARSJSE	SSI return code from STATUSas in MVS DSECT SSOB
(2)	BITSTRING	1	WTARSVND	SSI VERIFY/COMMAND errors
	1		WTARSVNJ	"X'01" SSOBRETN byte 3 from IEFSSREQin WTARSVSE
	1.		WTARSVNS	"X'02" R15 byte 3 after IEFSSREQin WTARSVSE
	1		WTARSVNM	"X'04" CICS not an MVS subsystem
(3)	BITSTRING	1	WTARSVSE	SSI return code from VERIFY/COMMAND

XRF trace control area **WTG**

```
CONTROL BLOCK NAME = DFHWTGPS
DESCRIPTIVE NAME = CICS (XRF) Trace Control area
FUNCTION =
    Contains description of the XRF Trace area. There is
    a single instance.
LIFETIME =
   Created on first call to XRF Trace (normally the result of the call to GET LIFO (DFHWLGET) made by XRF ATTACH (DFHWDATT) when called from INITIAL ATTACH (DFHWDINA)
    during the XRF SIGNON process.
    Destroyed during XRF SIGNOFF.
STORAGE CLASS =
   Non-CICS storage. Usually above 16M line.
LOCATION =
Addressed by WCGTRA in XRF Global area DFHWCGPS. INNER CONTROL BLOCKS =
    WTGAREA When DFHWTRP allocates the Trace control area
          it also allocates the trace area itself.
          WTGAREA describes the header of the trace area.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
    None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
    None
 CONTROL BLOCKS =
    WCGTRA Base for trace control area.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	64	DFHWTGPS	Addressed from WS Global
(0)	CHARACTER	16	WTGAHDNG	Heading text - text is defined in WTGATEXT
(10)	ADDRESS	4	WTGSTART	Start of trace table
(14)	ADDRESS	4	WTGEND	End of trace table
(18)	ADDRESS	4	WTGNEXT	Next trace table entry
(1C)	BITSTRING	2	WTGFLAGS	
	1		WTGFWRAP	Table has wrapped
(1C)	BITSTRING	1	*	Reserved
(1E)	HALFWORD	2	*	Reserved
(20)	CHARACTER	8	WTGCLOCK	Target for STCK instrn issued by DFHWTRP.
(28)	ADDRESS	4	*	Reserved
(2C)	UNSIGNED	4	*	Reserved
(30)	CHARACTER	8	WTGCOPY	Shifted copy of STCK
(30)	UNSIGNED	4	WTG1647	STCK bits 16-47
(38)	ADDRESS	4	WTGCSTEP	Address of latest clock step entry.
(3C)	ADDRESS	4	WTGENTRY	Work space for trace

Constants

Len 4	Type DECIMAL	Value 65536	Name WTGASIZE	Description Allocate 64K	
Head	ling text				
16	CHARACTER	*** XRF TRACE **	WTGATEXT		

XRF trace interface **WTR**

```
CONTROL BLOCK NAME = DFHWTRPS
DESCRIPTIVE NAME = CICS (XRF) XRF Trace Interface
FUNCTION =
   XRF Trace parameter block description used by a caller
   of trace as a template to build a parameter block to
   pass to trace (DFHWTRP).
LIFETIME =
   Duration of this particular use of storage is a single
   call to trace.
STORAGE CLASS =
   User's discretion subject to lifetime constraint.
LOCATION =
   Address is passed to DFHWTRP in Register 1.
INNER CONTROL BLOCKS =
   WTRENTRY This defines the structure of the entries in
        the XRF trace area and includes DFHWTRPS itself.
   WTRXxx Several definitions of the contents of the user
         parts of trace entries for the various primary
         entry types. DFHWTRPS also contains declarations
         of the values for the primary types and subtypes
         of the trace table entries.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
   None
 CONTROL BLOCKS =
   None
 GLOBAL VARIABLES (Macro pass) =
Interface to trace and user data part of trace entry
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	28	DFHWTRPS	
(0)	CHARACTER	2	WTRTYPE	Entry type
(0)	UNSIGNED	1	WTRPRITP	Primary type code
(1)	UNSIGNED	1	WTRSUBTP	Subtype code
(2)	HALFWORD	2	WTRXPBNO	Process id. (set by trace routine not caller)
(4)	CHARACTER	24	WTRUSFLD	User fields

Trace Entry format

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	WTRENTRY	
(0)	CHARACTER	28	WTRUDATA	User data part
(1C)	UNSIGNED	4	WTRCLOCK	Bits 15-46 of STCK value relative to last midnight
(20)	CHARACTER		WTREND	

Specific trace entry formats.

Linkage

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	WTRX01	Call
(0)	CHARACTER	8	WTRX01NM	Module name
(8)	ADDRESS	4	WTRX01LA	LIFO allocation address

```
Dispatcher
 Usage is: WTRSTATT - WTRX021 = WDSIEPA (ATTACH argument)
                22 = WDSIIDA
                23 = WDSESPIE
                24 = WDSESTAE
                25 = Addr of attached process XPB
                26 = Process id. of attached proc.
       WTRSTDET - No data
       WTRSTDSP - WTRX021 = WXBEECBA
                22 = WXBIECBA
                23 = WXBWEVM
                24 = WXBPEVM
                25 = Addr of process XPB
                26 = WXBHLKM
       WTRSTXWE - WTRX021 = WDSEECBA (WAIT arguments)
                22 = WDSIECBA
                23 = WDSWEVM
                24 = WDSPEVM
                25 = WDSREVM
       WTRSTXWL - WTRX021 = WDSFLKM (WAIT arguments)
                22 = WDSGLKM
                25 = WDGGLKSM
                26 = WXBHLKM
       WTRSTEND - No data
       WTRSTOSW - WTRX025 = Addr of MVS WAIT list
                26 = Number of events in list
       WTRSTOSR - No data
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	WTRX02	Dispatcher
(0)	ADDRESS	4	WTRX021	Field 1
(4)	ADDRESS	4	WTRX022	Field 2
(8)	ADDRESS	4	WTRX023	Field 3
(C)	ADDRESS	4	WTRX024	Field 4
(10)	ADDRESS	4	WTRX025	Field 5
(14)	ADDRESS	4	WTRX026	Field 6

Message Manager I/O

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	WTRX03	Call
(0)	ADDRESS	4	WTRX03RP	RPL address
(4)	ADDRESS	4	WTRX03RB	RBA of CI
(8)	CHARACTER	1	*	Reserved
(9)	CHARACTER	3	WTRX03FB	VSAM Feedback

```
Message Manager Requests
Usage is: WTRSTENQ - WTRX042 = Queue name
                 43 = Message sequence number
                 44 = Address of message block
       WTRSTWRT - WTRX042 = QUEUE name
                 43 = Message sequence number
                 44 = Message cycle number
                 45 = RBA of message
                 46 = Response to request
       WTRSTRQO - WTRX041 = Instance number
                 42 = Version number
                 43 = Message sequence number
                 44 = Channel number
                 45 = Channel status
                 46 = Response to request
       WTRSTRPO, WTRSTRQI, WTRSTRPI same as WTRSTRQO
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	WTRX04	Message manager requests
(0)	CHARACTER	8	WTRX04IV	Instance/Version
(0)	ADDRESS	4	WTRX041	Field 1
(4)	ADDRESS	4	WTRX042	Field 2
(8)	ADDRESS	4	WTRX043	Field 3
(C)	ADDRESS	4	WTRX044	Field 4
(10)	ADDRESS	4	WTRX045	Field 5

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	ADDRESS	4	WTRX046	Field 6
(14)	CHARACTER	2	*	Filler
(16)	CHARACTER	2	WTRX046R	Field 6R

Clock step

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	WTRXFE	Clock step
(0)	CHARACTER	8	WTRXFECK	Actual STCK value
(8)	UNSIGNED	4	WTRXFEOM	Old midnight value
(C)	UNSIGNED	4	WTRXFENM	New midnight value
(10)	ADDRESS	4	WTRXFEPE	Previous clock step entry

Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE		WTRXFF	Reserved
(0)	CHARACTER		*	Reserved

Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	WTRPTLNK	Link
1	DECIMAL	1	WTRSTCAL	Link - Call
1	DECIMAL	2	WTRSTRTN	Link - Return
1	DECIMAL	2	WTRPTDSP	Dispatcher
1	DECIMAL	1	WTRSTATT	Disp - Process Attach
1	DECIMAL	2	WTRSTDET	Disp - Process Detach
1	DECIMAL	3	WTRSTDSP	Disp - Process Dispatch
1	DECIMAL	4	WTRSTXWE	Disp - XRF Wait (events)
1	DECIMAL	5	WTRSTXWL	Disp - XRF Wait (locks)
1	DECIMAL	6	WTRSTEND	Disp - No process
1	DECIMAL	7	WTRSTOSW	Disp - OS WAIT
1	DECIMAL	8	WTRSTOSR	Disp - OS dispatch
1	DECIMAL	3	WTRPTMMV	Message Manager I/O
1	DECIMAL	1	WTRSTVGT	MMV - VSAM GET Request
1	DECIMAL	2	WTRSTVPT	MMV - VSAM PUT Request
1	DECIMAL	3	WTRSTVRP	MMV - VSAM Response
1	DECIMAL	4	WTRPTMMR	Message Manager Requests
1	DECIMAL	1	WTRSTENQ	MMR - GET Message ENQ
1	DECIMAL	2	WTRSTWRT	MMR - PUT Message out
1	DECIMAL	3	WTRSTRQO	MMR - RQR Request Out
1	DECIMAL	4	WTRSTRPO	MMR - RQR Response Out
1	DECIMAL	5	WTRSTRQI	MMR - RQR Request In
1	DECIMAL	6	WTRSTRPI	MMR - RQR Response In
1	DECIMAL	254	WTRPTCLK	Clock step
1	DECIMAL	255	WTRPTRSV	Reserved

WXB XRF process block

```
CONTROL BLOCK NAME = DFHWXBPS
DESCRIPTIVE NAME = CICS (XRF) Process Block
FUNCTION =
   XRF process analogue of the CICS TCA supporting the XRF
   LIFO mechanism and process dispatching.
LIFETIME =
   Created by XRF ATTACH (DFHWDATT) and destroyed when
   process returns (DFHWDISP).
Artificial instances are sometimes created by other
   modules, e.g. DFHWMS10, when they wish to create an
   environment in which the XRF LIFO mechanism can be
   used, though such instances are never visible to the
   XRF process dispatcher.
STORAGE CLASS =
   Non-CICS storage. Usually in MVS subpool 0 storage
   above 16M line.
LOCATION =
   Conventionally addressed by R12. Those created by
   ATTACH are also on the XRF dispatcher chain WDGFXPB.
INNER CONTROL BLOCKS =
  None
NOTES :
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
   None
 DATA AREAS =
   None
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	144	DFHWXBPS	XRF Process block (XPB)
(0)	CHARACTER	48	WXBDSTAT	Dispatcher state data
Dispat	tcher chain and LIFC	anchors		
(0)	CHARACTER	24	WXBBASE	Basic part
(0)	ADDRESS	4	WXBCHAIN	Next XPB in dispatcher chain
(4)	FULLWORD	4	WXBSIZE	Size of block
(8)	ADDRESS	4	WXBLA	Current LIFO addr
(C)	ADDRESS	4	WXBGLBLA	WS Global address
(10)	HALFWORD	2	WXBXPBNO	Process identifier
(12)	BITSTRING	2	WXBPFLGS	Flags
	1		WXBFWAIT	Process issued a WAIT
	.1		WXBFXRF	XRF Process XPB
(12)	BITSTRING	1	*	Spare
(14)	ADDRESS	4	WXBLBLKA	Current LIFO block addr
Locks and events				
(18)	CHARACTER	24	WXBLED	Lock and event data
(18)	ADDRESS	4	WXBEECBA	External event address
(1C)	ADDRESS	4	WXBIECBA	Internal event address
(20)	BITSTRING	4	WXBWEVM	Broadcast events waited
(24)	BITSTRING	4	WXBPEVM	Broadcast events posted
(28)	BITSTRING	4	WXBRLKM	Freed locks mask
(2C)	BITSTRING	4	WXBHLKM	Locks held mask
Dispat	tcher save area			
(30)	CHARACTER	64	WXBDSVA	Dispatcher register save area.
(30)	ADDRESS	4	WXBDSV00	Register 0 save slot
(34)	ADDRESS	4	WXBDSV01	Register 1 save slot
(38)	ADDRESS	4	WXBDSV02	Register 2 save slot
(3C)	ADDRESS	4	WXBDSV03	Register 3 save slot
(40)	ADDRESS	4	WXBDSV04	Register 4 save slot
(44)	ADDRESS	4	WXBDSV05	Register 5 save slot
(48)	ADDRESS	4	WXBDSV06	Register 6 save slot
(4C)	ADDRESS	4	WXBDSV07	Register 7 save slot
(50)	ADDRESS	4	WXBDSV08	Register 8 save slot
(54)	ADDRESS	4	WXBDSV09	Register 9 save slot
(58)	ADDRESS	4	WXBDSV10	Register 10 save slot
(5C)	ADDRESS	4	WXBDSV11	Register 11 save slot
(60)	ADDRESS	4	WXBDSV12	Register 12 save slot
(64)	ADDRESS	4	WXBDSV13	Register 13 save slot
(68)	ADDRESS	4	WXBDSV14	Register 14 save slot
(6C)	ADDRESS	4	WXBDSV15	Register 15 save slot

Offset Hex	Type	Len	Name (Dim)	Description	
Data f	Data from ATTACH				
(70)	ADDRESS	4	WXBIDA	Initial data parameter	
(74)	ADDRESS	4	WXBESPIE	ESPIE exit address	
(78)	ADDRESS	4	WXBESPDA	ESPIE parameter	
(7C)	ADDRESS	4	WXBESTAE	ESTAE exit address	
(80)	ADDRESS	4	WXBESTDA	ESTAE parameter	
(84)	ADDRESS	4	* (3)	Reserved	
Dummy stack block starts at end of XPB.					
(90)	CHARACTER		WXBISB	Dummy stack block	

Overlay of status used when XPB is a dummy built simply to gain access to LIFO support.

Offset Hex	Туре	Len	Name (Dim)	Description
(18)	STRUCTURE	8	WXBCICS	
(18)	ADDRESS	4	WXBTCA	TCA address of task which is using this XPB.
(1C)	ADDRESS	4	WXBCSA	CSA address

Constants

Len	Type	Value	Name	Description
2	DECIMAL	-1	WXBPNDSP	Dispatcher pseudo-process
2	DECIMAL	-2	WXBPNSRP	Error pseudo-process

WXL XRF LIFO stack area

```
CONTROL BLOCK NAME = DFHWXLPS
DESCRIPTIVE NAME = CICS (XRF) XRF LIFO Stack Areas
   Control data at the beginning of a block of storage from
   which XRF LIFO storage is allocated.
LIFETIME =
   Created by GET LIFO (DFHWLGET) when a new stack block is
   acquired for an XRF process.
   Destroyed by FREE LIFO (DFHWLFRE) when a all allocations
   of LIFO in the block have been released.
   An instance is also imbedded within an XRF process block
   (DFHWXBPS) to provide a first block containing space for
   just a standard OS Save Area used when a process is first
   dispatched.
STORAGE CLASS =
  Non-CICS storage. MVS subpool 0 storage above 16M line.
LOCATION =
   WXBLBLKA addresses the currently active stack block for
   a given XRF process.
INNER CONTROL BLOCKS =
  WXLAHDR Describes the allocation header which precedes
         each individual LIFO allocation within a LIFO
         stack block. The current allocation for a given
        XRF process is addressed by WXBLA.
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
    None
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
   None
 CONTROL BLOCKS =
   WXBLBLKA
   WXBLA
 GLOBAL VARIABLES (Macro pass) =
   None
Stack Block header
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	DFHWXLPS	XRF LIFO Stack block hdr
(0)	ADDRESS	4	WXLPREV	Previous block address
(4)	ADDRESS	4	WXLBOS	Bottom of this block
(8)	ADDRESS	4	WXLEOS	End of this block
(C)	ADDRESS	4	WXLNAB	Next available byte in the block.
(10)	CHARACTER		WXLEND	

Allocation header

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	16	WXLAHDR	XRF LIFO Allocation header
(0)	CHARACTER	8	WXLAHID	Module identifier
(8)	ADDRESS	4	WXLAHPLA	Previous LIFO allocation
(C)	FULLWORD	4	WXLAHALN	Length of allocation (not including this header).
(10)	CHARACTER		WXLAHEND	

Parameter list definition **XCTRC**

```
CONTROL BLOCK NAME = DFHXCTRC
DESCRIPTIVE NAME = CICS External CICS Interface, DFHXCTRA
                        Parameter list definition.
\label{function} \mbox{FUNCTION} = \mbox{This file contains the XCTRA\_PLIST definition. This}
    DSECT defines the parameter list between DFHXCTRP (the EXCI trace module) and DFHXCTRA (the EXCI global trap
    module). Akin the CICS trap module DFHTRAP.
    If DFHXCTRA is active, (by having TRAP=YES defined in
    DFHXCOPTS), then DFHXCTRA will be invoked for every
trace entry put out by the EXCl facility.

LIFETIME = The storage mapped by this DSECT is GETMAINED by DFHXCTRI on the very first Init user request on every TCB, and kept until TCB termination.
LOCATION = The XCTRA_PLIST dsect is actually part of a larger
    control block called TRAP_WA (also included in this copy
    book), which includes the areas pointed at by fields in
    XCTRA_PLIST. TRAP_WA is chained off the XCGLOBAL for the TCB.
NOTES :
 DEPENDENCIES = S/390
 RESTRICTIONS = None.
 MODULE TYPE = Control block definition
  {\tt XCTRL} \ \hbox{-} \ {\tt Mapping} \ \hbox{of LIFO storage required by DFHXCTRP}, \ {\tt DFHXCTRI}
         and DFHXCDMP.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	534	XCTRL	
(0)	CHARACTER	72	RSA	Save Area for external calls
(0)	FULLWORD	4	*	Reserved
(4)	FULLWORD	4	RSACB	Backward Pointer
(8)	FULLWORD	4	RSACF	Forward Pointer
(C)	FULLWORD	4	* (15)	Regs 14 - 12
(48)	ADDRESS	4	PLIST_PTR	Pointer to base plist on
(4C)	FULLWORD	4	AREA_LENGTH	Used in table initialisation
(50)	FULLWORD	4	BLOCK_COUNT	Used in table initialisation
(54)	FULLWORD	4	1	Loop Index
(58)	FULLWORD	4	J	Loop Index
(5C)	ADDRESS	4	BACKPTR	Used in table initialisation
(60)	ADDRESS	4	TR_BLOCK_PTR	Base for DFHTRBL structure
(64)	FULLWORD	4	SAVER14	area to save R14
(68)	FULLWORD	4	SAVE2R14	area to save R14
(6C)	BITSTRING	1	FOOTPRINTS	Footprint flags
	1		TRA_FREEMAIN_ REQ	Freemain of DFHTRA required
	.1		TABLE_FREEMAIN_ REQ	
				Freemain of Trace table req.
	1		TRAP_WA_	
			FREEMAIN_REQ	
				Freemain of trap wa required
	1		GTF_BUF_	
			FREEMAIN_REQ	
				Freemain of GTF buffer req.
	1		MOVING_DATA	Moving Data into trace table

Offset Hex	Туре	Len	Name (Dim)	Description
	1		TRAP IN CONTROL	Control passed to DFHXCTRA.
	1.		OVERLENGTH ENTRY	overlength entry detected
			*	Reserved
(6D)	BITSTRING	1	* (3)	Reserved
(70)	CHARACTER	16	XCSVC PLIST	Parameter list to call XCSVC
(70)	ADDRESS	4	XCSVC CODEP	Pointer to dump code
(74)	ADDRESS	4	XCSVC IDP	Pointer to dump id
(78)	ADDRESS	4	XCSVC_USERP	Pointer to user name
(7C)	ADDRESS	4	XCSVC TCBP	Pointer to TCB address
(80)	CHARACTER	8	WORK8	Work area for CVD and unpack
(88)	CHARACTER	8	TCBA STR	Char form of TCB address
(90)	CHARACTER	3	WORK3	work area
(93)	CHARACTER	4	SDUMP RC	Save area for SDUMP rc
(97)	CHARACTER	9	WORK9	Work area
(A0)	CHARACTER	5	WORK5	Work area
(A5)	CHARACTER	4	WORK4	work area
(A9)	CHARACTER	3	*	reserved
(AC)	HALFWORD	2	INDEX	Index into string
(AE)	HALFWORD	2	RETRY_TIME_TO_GO	SDUMP retry time left
(B0)	ADDRESS	4	MSG_PLIST_PTR	Pointer to mebm plist
(B4)	BITSTRING	1	XCDMP_FOOTPRINTS	footprints for XCDMP
` ,	1		STIMERM FAILED	remember STIMERM failed
	.1		BUSY MSG ISSUED	Only issue busy msg once
	1		SYSTEM DUMP TKN	sdump has been taken
	1 1111		*	Reserved
(B5)	BITSTRING	1	* (3)	Reserved
(B8)	CHARACTER	184	MSG_PARM_AREA	plist for MEBM
(170)	CHARACTER	132	XCTRL_MSG	Message buffer
(170)	HALFWORD	2	XCTRL_MSG_LEN	LL
(172)	HALFWORD	2	XCTRL_MSG_0	BB
(174)	CHARACTER	124	XCTRL_MSG_TEXT	Maximum size msg output
(1F0)	CHARACTER	4	XCTRL_MSG_	
			WTO_PARMS	
				Space for extra WTO parms
(1F4)	ADDRESS	4	GTF_PTR	Address of data for GTRACE
(1F8)	HALFWORD	2	GTF_LEN	Length of data for GTRACE
(1FA)	HALFWORD	2	GTF_LTG	Length-to-go for GTRACE
(1FC)	ADDRESS	4	ENTRY_PTR	Ptr to entry in table
(200)	HALFWORD	2	ENTRY_LEN	Entry length
(202)	CHARACTER	8	GTRACE_AUTO	Parameter area for GTRACE
(20A)	CHARACTER	12	XCTRL_SYMP_STR	symptom string
(20A)	CHARACTER	8	XCTRL_SYMP_ STR_USER	
				user name
(212)	CHARACTER	2	XCTRL_SYMP_ STR_TPT	
				trace point id
(214)	CHARACTER	2	*	Reserved

XCTRA_PLIST - Parameter list passed to Global trap DFHXCTRA

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	64	XCTRA_PLIST	
Retur field XC The in as co XCTRA XCTRA XCTRA XCTRA	CTRA_ FLGSA in the ndividual flag setting instants at the end of A_ FTRE EQU X'80 behavior and the setting flower	gs are in the ne parameter s are as folk f the structur Make furt lf of trap exit of the structur Take a s Skip puttin o GTF Disable trased again un flags may brite seed again un flags may brite seed spans un seed spans un seed spans un flags may brite seed spans un seed	byte addressed from list to DFHXCTRA. bows, and are declared e. her trace entry on it ystem dump g current trace entry	
(0)	ADDRESS	4	XCTRA_FLGSA	A(Return actions flag word)
This fie on the entry s	eld points to the trace same invocation for	e entry const which it is ca d by DFHXC	ry in internal trace table ructed by DFHXCTRP alling DFHXCTRA. This TRA. Its structure is	
(4)	ADDRESS	4	XCTRA_CURTA	A(Current entry)
This we not cha	A_WORKA Address ork area is acquired anged by the EXCI used for saving information.			

Offset Hex	Туре	Len	Name (Dim)	Description		
(8)	ADDRESS	4	XCTRA_WORKA	A(80-byte work area)		
These XCTRA that DF addres this en fields in	FHXCTRP should mais and length pairs for	conjunction actions flag ke a further the data fid is set, DFH, the first wit	byte. This flag indicates trace entry. TRADnA/L are elds to be included in KCTRP examines the length			
(C) (C) (10) (14) (18) (1C) (20) XCTRA			XCTRA_TRDAT XCTRA_TRAD1A XCTRA_TRAD1L XCTRA_TRAD2A XCTRA_TRAD2L XCTRA_TRAD3A XCTRA_TRAD3L XCGLOBAL block for this TCB. not set up yet.	Total length of data fields Address of DATA1 information Length of DATA1 information Address of DATA2 information Length of DATA2 information Address of DATA3 information Address of DATA3 information Length of DATA3 information		
(24)	ADDRESS	4	XCTRA_XCGLOBALA	A(XCGLOBAL block)		
XCTRA_XCUSERA - Address of the XCUSER block representing the particular user on whose behalf this request is running. Address may be 0 if block not set up yet.						
(28)	ADDRESS	4	XCTRA_XCUSERA	A(XCUSER blcok)		
XCTRA	A_XCPIPEA - Address particular pipe b this user. Address may be	eing used fo				
(2C)	ADDRESS	4	XCTRA_XCPIPEA	A(XCPIPE)		
XCTRA	request handle	r.	working storage of the program not set up yet.			
(30)	ADDRESS	4	XCTRA_XCPRH_WAA	A(DFHXCPRH's working storage)		
XCTRA	XCTRA_XCEIP_WAA - Address of the working storage of the EXEC Interface program. Address may be 0 if block not set up yet, or the EXCI EXEC Interface is not being used.					
(34)	ADDRESS	4	XCTRA_XCEIP_WAA	A(DFHXCEIP's working storage)		
XCTRA	A_RSAA - Address of DFHXCTRA.	the register	save area to be used by			
(38) (3C) (40)	ADDRESS ADDRESS CHARACTER	4 4	XCTRA_RSAA * XCTRA_PLIST_END	RSA address Reserved Ending address		

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	976	TRAP_WA	
(0)	CHARACTER	72	TRAP_REGSAVE	RSA for DFHXCTRA
(48)	CHARACTER	64	TRAP_PLIST	
(88)	BITSTRING	1	TRAP_FLAGS	Trap return action flags
	1		TRAP_TRACE	Further trace entry required
	.1		TRAP_DUMP	system dump required
	1		TRAP_SKIP_GTF	Skip outputting entry to GTF
	1		TRAP_DISABLE	Disable the trap
	1111		*	Reserved
(89)	BITSTRING	3	*	Reserved
(8C)	CHARACTER	128	TRAP_TR_DU_PLIST	Area for plist for calling trace and dump
(10C)	CHARACTER	534	TRAP_TR_DU_WS	Working stg required for recursive Trace call.
(322)	CHARACTER	72	TRAP_TR_DU_RSA	RSA for recursive trace call
(370)	CHARACTER	96	TRAP_WORK	Force D-word alignment for
(370)	CHARACTER	16	TRAP_WORK_EYEC	'>DFHXCTRA_WKAREA' eyecatcher
(380)	CHARACTER	80	TRAP_WORKAREA	Work area for DFHXCTRA

TRAP_WA - Work areas for Global trap DFHXCTRA

Constants

Len	Туре	Value	Name	Description
1	HEX	80	XCTRA_FTRE	
1	HEX	40	XCTRA_DUMP	
1	HEX	20	XCTRA_SKIP	
1	HEX	10	XCTRA_DISA	

External CICS Interface Trace Points

		face Trace Points n trace point IDs correspond to the E ues for the particular error.	EXCI
		DFHXCRCC if any changes are ma	ide.
2	HEX	0001	XCPRH_PIPE_
2	TIEX	0001	ALREADY_OPEN
2	HEX	0002	XCPRH_PIPE_
			ALREADY_CLOSED
2	HEX	0003	XCPRH_VERIFY_
2	HEV	0005	BLOCK_FM_ERROR
2	HEX HEX	0005 0006	XCPRH_XCP_FM_ERR XCPRH_IRP_
-	TIEX	0000	IOAREA_FM_ERR
2	HEX	0007	XCPRH_SERVER_
			TERMINATED
2	HEX	8000	XCPRH_XFRASTG1_
2	HEX	0201	FM_ERR XCPRH NO
2	TILX	0201	CICS_IRC_STARTED
2	HEX	0202	XCPRH_NO_PIPE
2	HEX	0203	XCPRH_NO_
			CICS_ON_OPEN
2	HEX	0204	XCPRH_NO_
2	HEV	0205	CICS_ON_DPL_1
2	HEX	0205	XCPRH_NO_ CICS_ON_DPL_2
2	HEX	0206	XCPRH_NO_
			CICS_ON_DPL_3
2	HEX	0403	XCPRH_INVALID_
_			APPL_NAME
2	HEX	0405	XCPRH_PIPE_ NOT_CLOSED
2	HEX HEX	0406 0407	XCPRH_PIPE_NOT_OPEN
2	HEX	0407	XCPRH_INVALID_ USERID XCPRH_INVALID_ UOWID
2	HEX	0409	XCPRH_INVALID_ TRANSID
2	HEX	0414	XCPRH_ABORT_ RECEIVED
2	HEX	0415	XCPRH_INVALID_
			CONNECTION
2	HEX	0416	XCPRH_INVALID_
2	HEX	0417	CICS_RELEASE XCPRH_PIPE_ MUST_CLOSE
2	HEX	0417	XCPRH_INVALID_
-		0.1.0	PIPE_TOKEN
2	HEX	0422	XCPRH_SERVER_ ABENDED
2	HEX	0423	XCPRH_SURROGATE_
	LIEV.	0000	CHECK_FAILED
2	HEX	0603	XCPRH_XCUSER_ GM_ERROR
2	HEX	0604	XCPRH_XCPIPE_
-		000 .	GM_ERROR
2	HEX	0605	XCPRH_VERIFY_
			BLOCK_GM_ERROR
2	HEX	0606	XCPRH_SSI_
2	HEV	0007	VERIFY_FAILED
2	HEX	0607	XCPRH_SVC_ CALL_FAILURE
2	HEX	0608	XCPRH_IRP_
			LOGON_FAILURE
2	HEX	0609	XCPRH_IRP_
			CONNECT_FAIL
2	HEX	0610	XCPRH_IRP_ DISC_FAIL
2	HEX	0611	XCPRH_IRP_ LOGOFF_FAILED
2	HEX	0612	XCPRH TRANSFORM
-	I I L	5512	1_ERROR
2	HEX	0613	XCPRH_TRANSFORM_
			4_ERR
2	HEX	0614	XCPRH_IRP_ NULL_DATA
2	HEX	0615	XCPRH_IRP_
2	HEX	0616	NEG_RESPONSE XCPRH IRP
_	ПЕЛ	0010	SWITCH_PULL_ERR
2	HEX	0617	XCPRH_IRP_
-	=/ `		IOAREA_GM_ERR
2	HEX	0619	XCPRH_IRP_ BAD_IOAREA
2	HEX	0620	XCPRH_IRP_
2	HEV	0004	PROTOCOL_ERR
2	HEX	0621	XCPRH_PIPE_ RECOVERY_FAILURE
			NEOOYENI_I AILONE

Len	Type	Value	Name De	escription
2	HEX	0622	XCPRH_ESTAE_	
		0000	SETUP_FAIL	
2	HEX	0623	XCPRH_ESTAE_ INVOKED	
2 2	HEX HEX	0624 0625	XCPRH_TIMEDOUT XCPRH_STIMER_	
-	TIEX	0020	SETUP_FAIL	
2	HEX	0626	XCPRH_STIMER_	
			CANCEL_FAIL	
2	HEX	0627	XCPRH_INCORRECT_	
2	HEX	0628	SVC_LVL XCPRH_INCORRECT_	
2	TILX	0020	IRP_LVL	
2	HEX	0629	XCPRH_SERVER_	
			PROTOCOL_ERR	
2	HEX	0800	XCPRH_LENGERR	
2 2	HEX HEX	0801 0802	XCPRH_INVREQ	
2	HEX	0803	XCPRH_PGMIDERR XCPRH_ROLDBACK	
2	HEX	0804	XCPRH_NOTAUTH	
2	HEX	0805	XCPRH_SYSIDER	
2	HEX	0806	XCPRH_TERMERR	
2	HEX	1000	XCPRH_ENTRY	
2 2	HEX HEX	1001 1010	XCPRH_EXIT XCEIP_ENTRY	
2	HEX	1011	XCEIP_EXIT	
2	HEX	2000	XCPRH_IRP_LOGON	
2	HEX	2001	XCPRH_IRP_CONN	
2	HEX	2002	XCPRH_IRP_DISC	
2	HEX HEX	2003	XCPRH_IRP_LOGOFF	
2 2	HEX	2004 2005	XCPRH_IRP_SWITCH XCPRH_IRP_SWITCH_DATA	
2	HEX	2006	XCPRH IRP DATA	
2	HEX	2007	XCPRH_PRE_URM	
2	HEX	2008	XCPRH_POST_URM	
2	HEX	2009	XCPRH_PRE_RACROUTE	
2 2	HEX HEX	200A 0900	XCPRH_POST_ RACROUTE XCTRI_TRA_GM_ERROR	
2	HEX	0900	XCTRI_TRACE_	
			TABLE_GM_ERROR	
2	HEX	0902	XCTRI_TRAP_	
			WA_GM_ERROR	
2	HEX	0903	XCTRI_GTF_	
2	HEX	0904	BUFFER_GM_ERROR XCTRP_OVERLENGTH_	
-	TIEX	0004	ENTRY	
2	HEX	0905	XCTRA_REQUESTED_	
			ENTRY	
2	HEX	0906	XCTRI_TIME_	
2	HEX	3000	WA_GM_ERROR XCEIP_ESTAE_	
2	TIEX	3000	SETUP_ERROR	
2	HEX	3001	XCEIP_ESTAE_ INVOKED	
2	HEX	3002	XCEIP_INV_ CTYPE_ON_INIT	
2	HEX	3003	XCEIP_INV_ VNUM_ON_INIT	
2	HEX	3004	XCEIP_INV_ ANAME_ON_INIT	
2	HEX	3005	XCEIP_INV_	
			CTYPE_ON_ALLOC	
2	HEX	3006	XCEIP_INV_	
0	LIEV	2007	VNUM_ON_ALLOC	
2	HEX	3007	XCEIP_INV_ UTOKEN ON ALLOC	
2	HEX	3008	XCEIP INV	
	 -	****	CTYPE_ON_OPEN	
2	HEX	3009	XCEIP_INV_	
		00:-	VNUM_ON_OPEN	
2	HEX	3010	XCEIP_INV_	
2	HEX	3011	UTOKEN_ON_OPEN XCEIP_INV_	
-	TIEX	0011	PTOKEN_ON_OPEN	
2	HEX	3012	XCEIP_INV_ CTYPE_ON_DPL	
2	HEX	3013	XCEIP_INV_ VNUM_ON_DPL	
2	HEX	3014	XCEIP_INV_	
2	HEX	3015	UTOKEN_ON_DPL XCEIP_INV_	
_	IILA	3013	PTOKEN ON DPL	
2	HEX	3017	XCEIP_INV_USERID	
2	HEX	3018	XCEIP_PIPE_	
_			NOT_OPEN_ON_DPL	
2	HEX	3019	XCEIP_PIPE_	
2	HEX	3020	MUST_CLOSE_ON_DPL XCEIP INV	
-	,	0020	CTYPE_ON_CLOSE	
2	HEX	3021	XCEIP_INV_	
		005-	VNUM_ON_CLOSE	
2	HEX	3022	XCEIP_INV_	
			UTOKEN_ON_CLOSE	

Len	Type	Value	Name Description
2	HEX	3023	XCEIP_INV_
			PTOKEN_ON_CLOSE
2	HEX	3024	XCEIP_INV_
			CTYPE_ON_DEALL
2	HEX	3025	XCEIP_INV_
			VNUM ON DEALL
2	HEX	3026	XCEIP INV
			UTOKEN ON DEALL
2	HEX	3027	XCEIP INV
			PTOKEN ON DEALL
2	HEX	3028	XCEIP PIPE
			NOT_CLOSED_ON_ DEALL
2	HEX	3029	XCEIP RETRYING
2	HEX	3030	XCEIP_SURROGATE_
			CHK_FAIL_ON_DPL
2	HEX	4000	XCGUR_ENTRY
2	HEX	4001	XCGUR_EXIT
2	HEX	4002	XCGUR_PRE_SVC
2	HEX	4003	XCGUR_POST_SVC
2	HEX	4004	XCGUR_RRS_
			NOT_SUPPORTED
2	HEX	4005	XCGUR_RRS_ERROR
2	HEX	4006	XCGUR_SVC_ EXCEPTION
2	HEX	4007	XCGUR_GETMAIN_ERR

Transformed MRO function XFIOA

MACRO NAME = DFHXFIOA DESCRIPTIVE NAME = CICS DFHXFX TRANSFORMED MRO FUNCTION SHIPPING REQUEST AND REPLY DSECT
FUNCTION = THIS MACRO GENERATES THE DSECT USED BY THE FAST PATH
MRO FUNCTION SHIPPING TRANSFORMER (DFHXFX) TO FORMAT TIOA'S USED TO SEND REQUESTS AND REPLIES FROM

ONE MRO REGION TO ANOTHER.

INPUT = THERE ARE NO PARAMETERS ON THIS MACRO. OUTPUT = THE TIOA DSECT.

EXTERNAL REFERENCES = NONE

Offset Hex	Туре	Len	Name (Dim)	Description				
(0)			DFHXFIOA	TIOA DSECT				
	THIS PART OF THE DSECT DESCRIBES THE FORMAT OF THE TIOA USED TO SEND REQUESTS. IT IS USED BY TRANSFORMERS 1 AND 2 ONLY.							
			XRQDS	H±H				
(0)	FULLWORD	4	(3)	TIOA HEADER				
	11		XRQSTART	"*" START OF REQUEST DATA				
COMMON REQUEST PARAMETERS								
(C)	CHARACTER	13	XRQFMHAR	AREA FOR ATTACH FMH				
(19)	CHARACTER	2	XRQTAG	X'FFFF' MEANS XFX TIOA				
(1B)	CHARACTER	9	XRQARG0	EIP'S ARGO ON REQUESTS				
(24)	HALFWORD	2	XRQDOFF	OFFSET OF DATA IN TIOA				
(26)	HALFWORD	2	XRQPARMS (0)	GROUP SPECIFIC PARMS				
FI	FILE CONTROL REQUEST PARAMETERS							
(26)	CHARACTER	8	XRQFCDSN	DATA SET NAME				
(2E)	HALFWORD	2	XRQFCDLN	DATA LENGTH				
(30)	HALFWORD	2	XRQFCKLN	RIDFLD LENGTH				
(32)	CHARACTER	2	XRQFCRQD	REQUEST ID				
(34)	HALFWORD	2	XRQFCKOF	OFFSET OF KEY IN TIOA				
(36)	CHARACTER	1	XRQFCKDA (0)	KEY FOLLOWED BY DATA				
	1. 1.1.		XRQFCLEN	"*-XRQSTART" LEN OF FIXED PART				
TRA	ANSIENT DATA REC	UEST PARA	AMETERS					
(26)	CHARACTER	4	XRQTDQNM	QUEUE NAME				
(2A)	HALFWORD	2	XRQTDDLN	DATA LENGTH				
(2C)	CHARACTER	1	XRQTDDA (0)	DATA AREA FOR WRITES				
	1		XRQTDLEN	"*-XRQSTART" LEN OF FIXED PART				
TEI	MPORARY STORAG	E REQUEST	PARAMETERS					
(26)	CHARACTER	8	XRQTSQNM	QUEUE NAME (8 BYTES ONLY)				
(2E)	HALFWORD	2	XRQTSDLN	DATA LENGTH				
(30)	HALFWORD	2	XRQTSITM	ITEM NUMBER				
(32)	CHARACTER	1	XRQTSDA (0)	DATA AREA FOR WRITES				
(32)	CHARACTER	1	XRQTSEND (0)	END OF FIRST PART OF TSRQ AREA				

Offset Hex	Туре	Len	Name (Dim)	Description			
LIST IS AFTER	AN ADDITIONAL PARAMETER HAS BEEN ADDED AND SINCE THE ABOVE PARAMETER LIST IS FIXED LENGTH AND IS FOLLOWED BY DATA IT HAS HAD TO BE ADDED AFTER THE DATA. IT IS ADDRESSED BY XRQTSDA +XRQTSDLN (DATA ADDRESS + DATA LENGTH FOR WRITEQ TS OTHERWISE AT XRQTSQ16.)						
(32)	CHARACTER	16	XRQTSQ16 (0)	16 BYTE TS QUEUE NAME			
(32)	CHARACTER	8	XRQTSQ8A	TS QUEUE NAME PART 1			
(3A)	CHARACTER	8	XRQTSQ8B	TS QUEUE NAME PART 2			
	11 .11.		XRQTSLEN	"*-XRQSTART" TOTAL LENGTH OF FIXED PART			
	INTERVAL CONTROL REQUEST PARAMETERS						
(26)	CHARACTER	4	XRQICTR	TRANSID			
(2A) (2E)	CHARACTER CHARACTER	4 4	XRQICTE XRQICRTR	TERMID RTRANSID			
(32)	CHARACTER	4	XRQICRTE	RTERMID			
(36)	CHARACTER	4	XRQICIOT	INTERVAL OR TIME			
(3A)	CHARACTER	8	XRQICQUE	QUEUE			
(42)	CHARACTER	8	XRQICRQD	REQID			
(4A)	HALFWORD	2	XRQICFLN	FROM LENGTH			
(4C)	CHARACTER	1	XRQICFDA (0)	FROM DATA			
	.1		XRQICLEN	"*-XRQSTART" LEN OF FIXED PART			
LIST IS AFTER DATA L	AN ADDITIONAL PARAMETER HAS BEEN ADDED AND SINCE THE ABOVE PARAMETER LIST IS FIXED LENGTH AND IS FOLLOWED BY DATA IT HAS HAD TO BE ADDED AFTER THE DATA. IT IS ADDRESSED BY XRQICFDA+XRQICFLN (DATA ADDRESS + DATA LENGTH).						
(0)	CHARACTER	8	XRQICUID	USERID			
(8)	CHARACTER	8	XRQICSYN	Applid of System			
(10)	CHARACTER	8	XRQICTRN	Terminal netname			
			S THE FORMAT OF THE SFORMERS 3 AND 4 ONI	.у.			
(=)			XRPDS	11:11			
(0)	FULLWORD	4	(3)	TIOA HEADER			
	11		XRPSTART	"*" START OF REPLY DATA			
	COMMON REPLY PA						
(C)	CHARACTER	6	XRPEIBRC	EIP'S RETURN CODE			
(12)	HALFWORD	2	XRPDOFF	OFFSET OF DATA IN TIOA			
(14)	HALFWORD	2	XRPPARMS (0)	GROUP SPECIFIC PARMS			
F	ILE CONTROL REPL						
(14)	HALFWORD	2	XRPFCDLN	DATA LENGTH			
(16)	HALFWORD	2	XRPFCKLN	RIDFLD LENGTH			
(18)	HALFWORD	2	XRPFCNRC (0)	NUM OF DELETED RECORDS			
(18)	HALFWORD	2	XRPFCUDL	UNTRUNCATED DATA LENGTH			
(1A)	HALFWORD	2	XRPFCMRL	MAX REC LEN FOR V FORMAT			
(1C)	HALFWORD	2	XRPFCKOF	OFFSET OF KEY IN TIOA			
(1E)	CHARACTER 11.	1	XRPFCKDA (0) XRPFCLEN	KEY FOLLOWED BY DATA "*-XRPSTART" LEN OF FIXED PART			
T	RANSIENT DATA RE		ETERS				
(14)	HALFWORD	2	XRPTDDLN	DATA LENGTH			
(16)	HALFWORD	2	XRPTDUDL	UNTRUNCATED DATA LENGTH			
(18)	CHARACTER	1	XRPTDDA (0)	DATA AREA FOR READS			
	11	DE DEDLY D	XRPTDLEN	"*-XRPSTART" LEN OF FIXED PART			
	EMPORARY STORAG			NUMERIO			
(14)	HALFWORD	2	XRPTSNIT	NUMITEMS			
(16)	HALFWORD	2	XRPTSITM (0)	ITEM NUMBER WRITTEN			
(16)	HALFWORD HALFWORD	2	XRPTSDLN	RETURNED DATA LENGTH			
(18)		2 1	XRPTSUDL	UNTRUNCATED DATA LENGTH READ DATA			
(1A)	CHARACTER 111.	'	XRPTSDA (0) XRPTSLEN	"*-XRPSTART" LEN OF FIXED PART			
		DEDLY DADA		AN OTAKT LEN OF TIMED FAINT			
	FERVAL CONTROL F						
(14)	CHARACTER1	8	XRPICRQD XRPICLEN	REQID ASSGND BY MIR SYS "*-XRPSTART" LEN OF FIXED PART			

Function shipping request control block **XFR**

,ARGSTG = NO IS ASSUMED
CONTROL BLOCK NAME = DFHXFRDS
DESCRIPTIVE NAME = CICS Function Request Shipping Request
Control Block. MACROS = DFHXFSTG FUNCTION =

Defines the data transformation (XF) control block as used in batch and online environments.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHXFRDS	
(0)	FULLWORD	4	XFRBEGIN (2)	ALLOW FOR USER STORAGE ACCOUNTING INFORMATION
(8)	DBL WORD	8	XFRSTART (0)	XF control block - start
	ELDS IN THE XF COI O AN ONLINE ENVIRO		OCK THAT ARE UNIQUE	
	SYSTEM/SESSION	RELATED	FIELDS	
(8)	CHARACTER	4	XFRSYSNM	N(SYSID)
(C)	ADDRESS	4	XFRATCSE	A(TCTSÉ)
(10)	ADDRESS	4	XFRATCTE	A(TCTTE) OR 0
(14)	ADDRESS	4	XFRATIOA	A(TIOA) OR 0
(18)	CHARACTER	4	XFRLUCCD	LU6.2 ERROR (SENSE) CODE
(1C)	CHARACTER	4	XFRSTRAN	Server transaction code
(20)	BITSTRING	1	XFRFLAGA	
	1		XFRSERVR	"X'80" Server transaction supplied
	.1		XFRNORM	"X'40" Normal transformer to be used
	1		XFRSYNC	"X'20" SYNCONRETURN requested
	1		XFRNOATN	"X'10" CONVERSE with NOATNI required
	1		XFRLINK	"X'08" LINK request
	1		XFRRTDST	"X'04" Dynamically routed START request
(22)	HALFWORD	2	XFRRTRLN	Length of router commarea or 0
(24)	ADDRESS	4	XFRRTRAD	A(DFHDSRP) or 0
(28)	BITSTRING	1	(7)	reserved
(30)	FULLWORD	4	XFRFSPEC (0)	Origin for function specific storage
	DL/I RELATED FIEI			
(30) (34)	ADDRESS FULLWORD	4 4	XFRAUIB XFRDLILN	A(UIB) Maximum length os SETS I/O area so far
(38)	FULLWORD	4	XFRFCENT (0)	TEMP FC OP ENTRY FOR DFHXFX
(38)	ADDRESS	4		ADDRESS OF NEXT ENTRY
(3C)	CHARACTER	4		NAME OF SYSTEM OWNING FILE
(40)	CHARACTER	8		FILE NAME ON REMOTE SYSTEM
(48)	HALFWORD	2 2		REQID KEYLENGTH
(4A) (4C)	HALFWORD ADDRESS	4		ADDR OF RIDFLD
(50)	ADDRESS	4		ADDR OF RIDFED ADDR OF BUFFER FOR READ SET
(54)	HALFWORD	2		LGTH OF BUFFER FOR READ SET
(56)	CHARACTER	1		FIRST FLAG BYTE
(57)	CHARACTER	1		SECOND FLAG BYTE
(58)	FULLWORD	4	(0)	MAKE LENGTH MULTIPLE OF 4
This D	OSECT describes the	entries requi	ired for remote program link	
(30)	FULLWORD	4	DFHPCENT (0)	PC LINK entries begin here
(30)	CHARACTER	8	XFRPNAME	name of program
(38)	HALFWORD	2	XFRCOMML	length of commarea
(3A)	HALFWORD	2	XFRDATAL	length of data to be sent
(3C)	CHARACTER	4	XFRABCD	Abend code returned from mirror
			VEDELACA	
(40)	BITSTRING	1	XFRFLAG4	Flag byte
(40)	BITSTRING 1	1	XFRFLAG4 XFRHTRAN	Flag byte "X'80" hex tranid present
(40)		1		
FIE	1 .1 ELDS IN THE XF COI	NTROL BLO	XFRHTRAN	"X'80" hex tranid present
FIE	1 1 ELDS IN THE XF COI A BATCH ENVIRON	NTROL BLO	XFRHTRAN XFRDATAV OCK THAT ARE UNIQUE	"X'80" hex tranid present "X'40" valid DATALENGTH supplied
FIE	1 .1 ELDS IN THE XF COI	NTROL BLO	XFRHTRAN XFRDATAV	"X'80" hex tranid present "X'40" valid DATALENGTH supplied ADDRESS OF STG CONTAINING THE FLATTENED PLIST. THE TRANSFORMER GETS NEW STG IF XFRASTGE IS 0 OR REUSES THE CURRENT STG IF THIS PROVES LARG
FIE TO	1 11 ELDS IN THE XF COI D A BATCH ENVIRON ADDRESS	NTROL BLO	XFRHTRAN XFRDATAV OCK THAT ARE UNIQUE XFRASTG1	"X'80" hex tranid present "X'40" valid DATALENGTH supplied ADDRESS OF STG CONTAINING THE FLATTENED PLIST. THE TRANSFORMER GETS NEW STG IF XFRASTGE IS 0 OR REUSES THE CURRENT STG IF THIS PROVES LARG ENOUGH
FIE	1 1 ELDS IN THE XF COI A BATCH ENVIRON	NTROL BLO IMENT 4	XFRHTRAN XFRDATAV OCK THAT ARE UNIQUE	"X'80" hex tranid present "X'40" valid DATALENGTH supplied ADDRESS OF STG CONTAINING THE FLATTENED PLIST. THE TRANSFORMER GETS NEW STG IF XFRASTGE IS 0 OR REUSES THE CURRENT STG IF THIS PROVES LARG
FIE TC (8) (C) (10) FIE	1 ELDS IN THE XF COID A BATCH ENVIRON ADDRESS ADDRESS FULLWORD ELDS IN THE XF COI	NTROL BLO	XFRHTRAN XFRDATAV OCK THAT ARE UNIQUE XFRASTG1 XFRASTG4 XFRASTGL OCK THAT ARE COMMON	"X'80" hex tranid present "X'40" valid DATALENGTH supplied ADDRESS OF STG CONTAINING THE FLATTENED PLIST. THE TRANSFORMER GETS NEW STG IF XFRASTGE IS 0 OR REUSES THE CURRENT STG IF THIS PROVES LARG ENOUGH ADDRESS OF THE FLATTENED REPLY IN THE BUFFERS OF BATCH DL/I.
FIE TC (8) (C) (10) FIE	11 ELDS IN THE XF COID A BATCH ENVIRON ADDRESS ADDRESS FULLWORD	NTROL BLO	XFRHTRAN XFRDATAV OCK THAT ARE UNIQUE XFRASTG1 XFRASTG4 XFRASTGL OCK THAT ARE COMMON	"X'80" hex tranid present "X'40" valid DATALENGTH supplied ADDRESS OF STG CONTAINING THE FLATTENED PLIST. THE TRANSFORMER GETS NEW STG IF XFRASTGE IS 0 OR REUSES THE CURRENT STG IF THIS PROVES LARG ENOUGH ADDRESS OF THE FLATTENED REPLY IN THE BUFFERS OF BATCH DL/I.

Offset Hex	Туре	Len	Name (Dim)	Description
(5C)	ADDRESS	4	XFRATABN	A(1ST TABLE ENTRY) OR 0 - E.G. RPDIR OR DCTTE
(60)	ADDRESS	4	XFRATAB2	A(2ND TABLE ENTRY) - E.G. PDIR OR 0
(64)	CHARACTER	1	XFRFORMN	THE TRANSFORMER INDEX - WITH VALUES SET AS FOLLOWS
(04)		'	XFRTRAN1	"0" TRANSFORMER 1 - VERTICAL TO HORIZONTAL REQUESTS
	1.		XFRTRAN2	"2" TRANSFORMER 2 - HORIZONTAL TO VERTICAL REQUESTS "4" TRANSFORMER 3 - VERTICAL TO HORIZONTAL REPLIES
	1		XFRTRAN3	
	11.		XFRTRAN4	"6" TRANSFORMER 4 - HORIZONTAL TO VERTICAL REPLIES
(65)	CHARACTER	2	XFRARCHD	USED TO SHOW CICS OR SNA ARCHITECTURE WHEN A CHOICE IS AVAILABLE
(67)	CHARACTER	1	XFRGROUP	THE GROUP IDENTIFIER FOR THE CURRENT REQUEST
	11.		XFRFCGRP	"X'06"" - THE CICS FC GROUP
	1		XFRTDGRP	"X'08"" - THE CICS TD GROUP
	1.1.		XFRTSGRP	"X'0A"" - THE CICS TS GROUP
	1		XFRICGRP	"X'10"" - THE CICS IC GROUP
	1 .1		XFRJCGRP	"X'14"" - THE CICS JC GROUP
	.1		XFRDLGRP	"X'40" - THE DL/I GROUP
(68)	CHARACTER	1	XFRFUNCT	THE FUNCTION IDENTIFIER FOR THE CURRENT REQUEST
(69)	CHARACTER	1	XFRFLAGS	PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS
(00)	1		XFREILST	"X'80" THE ARGUMENT LIST COMES FROM OR GOES TO EIP
	.1		XFRDLLST	"X'40" THE ARGUMENT LIST COMES FROM OR GOES TO DL/I
	1		XFRDLCNT	"X'20" FIRST ARGUMENT IS A COUNT OF THE REMAINING ARGUMENTS
	1		XFRDLPLI	"X'10" THE DL/I REQUEST COMES FROM PL/I - INDIRECTION EXISTS
	1		XFRATHDR	"X'08" AN ATTACH HEADER HAS BEEN PUT OUT BEFORE OTHER DATA
	1		XFRLNGRN	"X'04"" THE MIRROR TASK NEEDS TO BE LONG RUNNING
	1.		XFRNRPLY	"X'02"" THE REQUEST IS TO BE SHIPPED; HOWEVER NO REPLY IS EXPECTED
	1		XFRPRTCT	"X'01" THE REQUEST IS TO BE SHIPPED PROTECTED
(6A)	CHARACTER	1	XFRFLAG1	PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS
	1		XFRLCLQ	"X'80" THE REQUEST MAY BE QUEUED BEFORE SHIPPING
	.1		XFRFCTK	"X'40" FC Token can be shipped
(6B)	CHARACTER	1	XFRFLAG2	PARAMETER LIST FLAGS - WITH VALUES SET AS FOLLOWS
	1		XFRHAENT	"X'80" DFHMIRVM has handled an abend; the abend code is to be found in the TACB
	.1		XFRLENFD	"X'40" LENGTH parameter forced for a FILE READ request which didn't specify LENGTH
				parameter originally
(6C)	CHARACTER	1	XFRFLAG3	PARAMETER LIST FLAGS - WITH ALL VALUES RESERVED
(6D)	CHARACTER	2	XFRCODES (0)	FLAGS INDICATING WHERE CONTROL IS TO BE PASSED UPON RETURN FROM THE
(02)	0.0.0.0.2.0	_	7.1. 1.CODEO (0)	TRANSFORMER
(6D)	CHARACTER	1	XFRCODE1	THE FIRST SET OF FLAGS - THE NEXT DEFINITIONS APPLY TO RETURN FROM
(OD)	OHARAOTER		ALKOODET	TRANSFORMERS 1 AND 4 WITH VALUES SET AS FOLLOWS
	1		XFR1TO4	"4" TRANSFORMER 1 HAS FOUND AN ERROR - CONTROL IS TO BE PASSED TO
	1		AFRIIO4	
	1		VEDATOO	TRANSFORMER 4
	1		XFR1TOC	"8" TRANSFORMER 1 HAS FOUND ERROR - CONTROL IS TO BE PASSED BACK TO EIP
				OR DL/I
	1.		XFR1XLNF	"2" XLN failure THE NEXT DEFINITIONS APPLY TO RETURN FROM ISP WITH VALUES
				SET AS FOLLOWS
	1 111.		XFRLNKAP	"30" Allocate request in ISP has been purged
	1 11		XFRLNKAR	"28" Allocate request in ISP has been rejected
	1 1.1.		XFRLNKNI	"26" no sessions immediately available for allocate request
	1 1		XFRLNKPF	"24" ALLOCATE IN ISP HAS FAILED BECAUSE PROFILE DFHCICSF IS MISSING
	1 .11.		XFRLNKSV	"22" TRANSID invalid, we are already in session with a different mirror transaction.
	1 .1		XFRLNKGP	"20" ALLOCATE IN ISP HAS FAILED BECAUSE THE MODENAME IS INVALID
	11.		XFRLNKSP	"18" SYNCONRETURN invalid, we are already in session with a mirror
	1		XFRLNKLQ	"16" LOCAL QUEUEING HAS FAILED - BAD RETURN FROM DFHICP TYPE=PUT
	111.		XFRLNKAB	"14" xform 4 has processed ABCODE data
	11		XFRLNKNA	"12" ALLOCATE IN ISP HAS FAILED BECAUSE THE LINK IS NOT IN THE INTERSYSTEM
				TABLE
	1.1.		XFRLNKSF	"10" CONVERSE in DFHISP has failed
	1		XFRLNKSH	"8" ALLOCATE IN ISP HAS FAILED BECAUSE THE LINK, THOUGH EXISTING, IS OUT OF
			AT INCITION	SERVICE
	11.		XFRLNKNS	"6" Type of request is not supported over LU6.1 links
	1		XFRLNKSY	"4" ALLOCATE IN ISP HAS FAILED BECAUSE NAME IS NOT THAT OF TCTSE
(CE)	CHARACTER	4		THE SECOND SET OF FLAGS - APPLY TO RETURN FROM TRANSFORMERS 2 AND 3
(6E)	CHARACTER	1	XFRCODE2	
	1		VEDATOA	WITH VALUES SET AS FOLLOWS
	1		XFR2TO3	"4" TRANSFORMER 2 HAS FOUND AN ERROR - CONTROL IS TO BE PASSED TO
	_		VEDNESS	TRANSFORMER 3
	1		XFRNEGR	"8" TRANSFORMER 2 HAS FOUND AN ERROR - A NEGATIVE RESPONSE IS TO BE
				SENT
(6F)	CHARACTER	1	XFRABCDE	ABEND CODE INDICATOR PASSED BACK FROM THE TRANSFORMER TO THE BATCH
				CONTROLLER PROGRAM
(70)	ADDRESS	4	XFRRESR9	resumption base for DL/I function shipping
(74)	ADDRESS	4	XFRRESRE	resumption address for DL/I function shipping
(78)	ADDRESS	4	XFRBEGOP	address of Arg0 options bytes
(7C)	FULLWORD	4	XFRARGS (0)	ORIGIN FOR ARGUMENTS
/	.111 .1	•	XFRLNGTH	"*-XFRSTART"
			# · · ·	-

XLT Transaction list table

MODULE NAME = DFHXLTDS DESCRIPTIVE NAME = CICS Transaction List Table. TRANSACTION LIST TABLE

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHXLTDS	DUMMY SECTION - TRANSACTION LIST TABLE *
(0)	CHARACTER	4	XLTXID	TRANSACTION IDENTIFICATION
	1		XLTEL	"(*-XLTXID)" TRANSACTION LIST TABLE ENTRY LENGTH *

XMCDS Transaction manager TCLASS stats

```
CONTROL BLOCK NAME = DFHXMCDS
DESCRIPTIVE NAME = CICS Tclass Statistics
    CICS level at which this module was last updated
FUNCTION =
    This data area contains tclass statistics provided by
    the Transaction Manager Domain.
    It is provided for use in users monitoring applications
    to map the statistics returned via the APi or the statistics
    exit.
    There is a single instance of this data block.
    This data block is created by the Transaction Manager
    Domain to store statistics to be passed to the user in
    response to a request for statistics. The storage is
    released when the user task is detached.
    The DSECT also maps the contents of part of the SMF buffer
    created by the statistics domain and is used in the
    statistics exit.
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
    block
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  {\sf RESTRICTIONS} = {\sf none}
  MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from transaction manager domain
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHXMCDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHXMCDS	Transaction Manager Domain Tclass Statistics DSECT
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	XMCLEN	Length of data area
	11		XMCIDE	"0012" Tclass Statistics id mask
(2)	ADDRESS	2	XMCID	Tclass Statistics id
	1		XMCVERS	"X'01'" Stats version number id mask
(4)	CHARACTER	1	XMCDVERS	Stats version number
(5)	CHARACTER	3		Filler
(8)	CHARACTER	8	XMCTCL	Tclass name
(10)	FULLWORD	4	XMCTAT	Total attach requests for trans- actions in this tclass
(14)	FULLWORD	4	XMCPI	Transactions purged immediately because threshold reached
(18)	FULLWORD	4	XMCTQ	Transactions that had to queue but are no longer queued
(1C)	FULLWORD	4	XMCAI	Transactions accepted immediately
(20)	FULLWORD	4	XMCAAQ	Transactions accepted after queuing
(24)	FULLWORD	4	XMCPWQ	Transactions purged while queuing
(28)	FULLWORD	4	XMCMXT	Max. number of transactions allowed
(2C)	FULLWORD	4	XMCTH	Purge threshold
(30)	FULLWORD	4	XMCITD	Installed transaction definitions in this tclass
(34)	FULLWORD	4	XMCPAT	Peak active user transactions
(38)	FULLWORD	4	XMCPQT	Peak queued user transactions
(3C)	FULLWORD	4	XMCTAMA	Times at max. active
(40)	FULLWORD	4	XMCTAPT	Times at purge threshold

Offset Hex	Туре	Len	Name (Dim)	Description
(44)	FULLWORD	4	XMCCAT	Current active user transactions
(48)	FULLWORD	4	XMCCQT	Current queued user transactions
THE FO	LLOWING CL8 DEFI	NITIONS AR	E REALLY "STORE CL	OCK" FORMAT
(4C)	CHARACTER	8	XMCTQTME	Total queuing time of those trans- actions that are no longer queuing
(54)	CHARACTER	8	XMCCQTME	Total queuing time of those trans- actions that are still queuing
	.1.1 11		XMCEND	H±H
	.1.1 11		XMCCLEN	"*-XMCLEN" Length of Tclass Stats

XMGDS Transaction manager global stats

```
CONTROL BLOCK NAME = DFHXMGDS
DESCRIPTIVE NAME = CICS Transaction Manager Statistics
    CICS level at which this module was last updated
FUNCTION =
    This data area contains global statistics provided by the
    Transaction Manager Domain.
    It is provided for use in users monitoring applications
    to map the statistics returned via the APi or the statistics
    There is a single instance of this data block.
LIFETIME =
    This data block is created by the Transaction Manager
    Domain to store statistics to be passed to the user in
    response to a request for statistics. The storage is
    released when the user task is detached.
    The DSECT also maps the contents of part of the SMF buffer
    created by the statistics domain and is used in the
    statistics exit.
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  RESTRICTIONS = none
  MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from transaction manager domain
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHXMGDS IS NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description			
(0)			DFHXMGDS	Transaction Manager Domain Global Statistics DSECT			
(0)	FULLWORD	4	(0)	Fullword alignment			
(0)	HALFWORD	2	XMGLEN	Length of data area			
	1.1.		XMGIDE	"0010" Transaction Manager domain id mask			
(2)	ADDRESS	2	XMGID	Transaction Manager domain id			
	1		XMGVERS	"X'01" Stats version number id mask			
(4)	CHARACTER	1	XMGDVERS	Stats version number			
(5)	CHARACTER	3		Filler			
(8)	FULLWORD	4	XMGNUM	Number of transactions (user + system) attached			
(C)	FULLWORD	4	XMGMXT	Current MAXTASK value			
(10)	FULLWORD	4	XMGCAT	Current active user transactions			
(14)	FULLWORD	4	XMGCQT	Current queued user transactions			
(18)	FULLWORD	4	XMGTAMXT	Times at MAXTASK			
(1C)	FULLWORD	4	XMGPAT	Peak active user transactions			
(20)	FULLWORD	4	XMGPQT	Peak queued user transactions			
(24)	FULLWORD	4	XMGTAT	Total active user transactions			
(28)	FULLWORD	4	XMGTDT	Total delayed user transactions note that this does not include those transactions currently			
				queuing			
THE FOLLOWING CL8 DEFINITIONS ARE REALLY "STORE CLOCK" FORMAT							
(2C)	CHARACTER	8	XMGTQTME	Total time spent waiting by transactions that had to queue for MXT but not including			
(0.1)	0114040750		\/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	transactions currently queued.			
(34)	CHARACTER	8	XMGCQTME	Total time spent by transactions currently queued for MXT			
(3C)	FULLWORD	4	VMOTNUM	Reserved			
(40)	DBL WORD	8	XMGTNUM	Total number of transactions at the time of the last reset			
	.1 1		XMGEND				

XMRDS Transaction manager transaction stats

```
CONTROL BLOCK NAME = DFHXMRDS
DESCRIPTIVE NAME = CICS Transaction Statistics
    CICS level at which this module was last updated
FUNCTION =
    This data area contains transaction statistics provided by
    the Transaction Manager Domain.
    It is provided for use in users monitoring applications
    to map the statistics returned via the APi or the statistics
    exit.
    There is a single instance of this data block.
LIFETIME =
    This data block is created by the Transaction Manager
    Domain to store statistics to be passed to the user in
    response to a request for statistics. The storage is
    released when the user task is detached.
    The DSECT also maps the contents of part of the SMF buffer
    created by the statistics domain and is used in the
STORAGE CLASS =
LOCATION =
    The user is passed a pointer to the head of the storage
    block.
INNER CONTROL BLOCKS = none
NOTES:
  DEPENDENCIES = S/370
  {\sf RESTRICTIONS} = {\sf none}
  MODULE TYPE = Domain call buffer
EXTERNAL REFERENCES = none
  DATA AREAS = none
  CONTROL BLOCKS = from transaction manager domain
  GLOBAL VARIABLES (Macro pass) = none
ALTHOUGH PROVIDED IN A GENERAL INTERFACE LIBRARY DFHXMRDS IS
NOT TO BE USED AS A GENERAL PROGRAMMING INTERFACE. REFER TO
PRODUCT DOCUMENTATION TO DETERMINE INTENDED USAGE.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHXMRDS	Transaction Manager Domain Transaction Statistics DSECT
(0)	FULLWORD	4	(0)	Fullword alignment
(0)	HALFWORD	2	XMRLEN	Length of data area
(0)	1.11	-	XMRIDE	"0011" Transaction Statistics id mask
(2)	ADDRESS	2	XMRID	Transaction Statistics id
(=)	1	-	XMRVERS	"X'01" Stats version number id mask
(4)	CHARACTER	1	XMRDVERS	Stats version number
(5)	CHARACTER	3		Filler
(8)	CHARACTER	4	XMRTI	Transaction ID
(C)	CHARACTER	8	XMRPN	Program name
(14)	CHARACTER	8	XMRTCL	Tclass name
(1C)	CHARACTER	8	XMRRNAM	Remote transid
(24)	CHARACTER	4	XMRRSYS	Remote sysid
(28)	HALFWORD	2	XMRPRTY	Transaction priority
(2A)	CHARACTER	1	XMRDYN	Dynamic indicator
` '	111. 1		XMRDYNY	"Ć'Y"Dynamic = yes
	11.1 .1.1		XMRDYNN	"C'N"Dynamic = no
(2B)	CHARACTER	1		Filler
(2C)	FULLWORD	4	XMRAC	Attach count
(30)	FULLWORD	4	XMRRC	Restart count
(34)	FULLWORD	4	XMRDLC	Dynamic local count (the number of times the transaction routing exit decided to run this
` '				transaction locally)
(38)	FULLWORD	4	XMRDRC	Dynamic remote count (the number of times the transaction routing exit decided to run this
				transaction remotely)
(3C)	FULLWORD	4	XMRRSC	Remote start count
(40)	FULLWORD	4	XMRSVC	Storage Violation Count
(44)	FULLWORD	4	XMRITOV	Indoubt timeout value (in minutes)
(48)	CHARACTER	1	XMRIWTOP	IndoubtWait option
	111. 1		XMRIWTY	"C'Y'"Indoubtwait = yes
	11.1 .1.1		XMRIWTN	"C'N""Indoubtwait = no
(49)	CHARACTER	1	XMRIACTN	Indoubt action (commit or backout)
	1111		XMRIACOM	"C'C"Indoubt Action = commit
	111.		XMRIABCK	"C'B'"Indoubt Action = backout
(4A)	CHARACTER	2		Filler
(4C)	FULLWORD	4	XMRIWAIT	Number of indoubt waits
(50)	FULLWORD	4	XMRFATXN	Forced action due to trandef
(54)	FULLWORD	4	XMRFAIT	Forced action due to indoubt timeout
(58)	FULLWORD	4	XMRFANW	Forced action due to no wait ability
(5C)	FULLWORD	4	XMRFAOP	Forced action due to operator
(60)	FULLWORD	4	XMRFAOT	Forced action due to other
(64)	FULLWORD	4	XMRAMISM	Number of Action mismatches
	.11. 1		XMREND	H±H
	.11. 1		XMRCLEN	"*-XMRLEN" Length of Transaction Stats

XMRSC Transaction restart program commarea

CICS Commarea for Transaction Restart

This control block defines the commarea passed to the user-replaceable Transaction Restart program DFHREST.

Although provided as a sample, this control block is not to be used as a general programming interface. Refer to the CICS Customisation Guide to determine its intended usage.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	20	XMRS COMMAREA	Transaction restart commarea
(0)	CHARACTER	4	XMRS_STANDARD_ HEADER	
				Standard commarea header
(0)	CHARACTER	1	XMRS_FUNCTION	Function (always '1')
(1)	CHARACTER	2	XMRS_COMPONENT_ CODE	
				Component (always 'XM')
(3)	CHARACTER	1	*	Reserved
(4)	CHARACTER	1	XMRS_READ	Terminal read done
(5)	CHARACTER	1	XMRS_WRITE	Terminal write done
(6)	CHARACTER	1	XMRS_SYNCPOINT	Syncpoint done
(7)	CHARACTER	1	XMRS RESTART	Restart (output)
(8)	UNSIGNED	2	XMRS RESTART COUNT	No. of previous restarts
(A)	CHARACTER	2	*	Reserved
(C)	CHARACTER	4	XMRS_ORIGINAL_	
			ABEND_CODE	
				Original abend code
(10)	CHARACTER	4	XMRS_CURRENT_ ABEND CODE	•
				Current abend code

Constants

Len	Туре	Value	Name	Description
1	CHARACTER	1	XMRS_TRANSACTION_	
			RESTART	
2	CHARACTER	XM	XMRS_TRANSACTION_	
			MANAGER	
1	CHARACTER	Υ	XMRS_READ_YES	
1	CHARACTER	N	XMRS_READ_NO	
1	CHARACTER	Υ	XMRS_WRITE_YES	
1	CHARACTER	N	XMRS_WRITE_NO	
1	CHARACTER	Υ	XMRS_SYNCPOINT_YES	
1	CHARACTER	N	XMRS_SYNCPOINT_NO	
1	CHARACTER	Υ	XMRS_RESTART_YES	
1	CHARACTER	N	XMRS_RESTART_NO	

Shared ts queue server cf statistics XQS1D

```
CONTROL BLOCK NAME = DFHXQS1D
DESCRIPTIVE NAME = CICS (XQ) Statistics for list structure.
FUNCTION = XQ Statistics for list structure usage and access.
LIFETIME = N/A
STORAGE CLASS = N/A
LOCATION = N/A
N/A
NOTES:
DEPENDENCIES = S/370
MODULE TYPE = Control block definition
```

0111	T		Name (Diss)	Providence					
Offset Hex	Туре	Len	Name (Dim)	Description					
(0)			DFHXQS1D	, XQ list structure statistics record					
(0)	FULLWORD	4	S1 (0)	Start of record					
(0)	HALFWORD	2	S1LEN	Length of data area					
(2)	.111 11	2	S1IDE	"0121" List structure stats mask					
(2)	ADDRESS 1	2	S1ID S1VERS	List structure stats id "X'01" DSECT version number mask					
(4)	CHARACTER	1	S1DVERS	List structure stats version number					
(5)	CHARACTER	3	0.072.10	Reserved					
Coupling	Coupling facility list structure status information.								
(8)	CHARACTER	16	S1NAME (0)	Full name of list structure					
(8)	CHARACTER	8	S1PREF	First part of structure name					
(10)	CHARACTER	8	S1POOL	Pool name part of structure name					
(18)	CHARACTER	16	S1CNNAME (0)	Name for connection to structure					
(18)	CHARACTER	8	S1CNPREF	Prefix for connection name					
(20)	CHARACTER	8	S1CNSYSN	Own MVS system name from CVTSNAME					
(28)	ADDRESS	4	S1SIZE	Structure size (unsigned fullword)					
(2C) (30)	ADDRESS FULLWORD	4 4	S1SIZEMX S1HDRS	Maximum structure size Maximum number of list headers					
(34)	FULLWORD	4	S1HDRSCT	Headers used for control lists					
(38)	FULLWORD	4	S1HDRSQD	Headers available for queue data					
(3C)	FULLWORD	4	S1ELEMLN	Data element size as a fullword					
(40)	ADDRESS	4	S1ELEMPW	Data element size as power of 2					
(44)	ADDRESS	4	S1ELEMPE	Max elements per entry (for 32K)					
(48)	FULLWORD	4	S1ELEMRT	Element size of entry:element ratio					
(4C)	FULLWORD	4	S1ENTRRT	Entry size of entry:element ratio					
Entry an Note tha	statistics. Index element usage state at lowest free counts a	ire kept as v	vell as highest in use by be affected by an ALTER						
	FULLWORD	4		Current number of entries in use					
(50) (54)	FULLWORD	4	S1ENTRCT S1ENTRHI	Highest number of entries in use					
(58)	FULLWORD	4	S1ENTRLO	Lowest number of free entries					
(5C)	FULLWORD	4	S1ENTRMX	Max entries returned by IXLCONN					
(60)	FULLWORD	4	S1ELEMCT	Current number of elements in use					
(64)	FULLWORD	4	S1ELEMHI	Highest number of elements in use					
(68)	FULLWORD	4	S1ELEMLO	Lowest number of free elements					
(6C)	FULLWORD	4	S1ELEMMX	Max elements returned by IXLCONN					
Note that IXLLIST often slip	only returns the targe ghtly inconsistent.	d from free et information	to used and vice versa, n, so the counts are						
(70)	DBL WORD	8	S1USEVEC (0)	Usage vector, three pairs of words					
(70) (74)	FULLWORD FULLWORD	4 4	S1USEDCT S1USEDHI	Number of entries on used list Highest entries on used list					
(74) (78)	FULLWORD	4	S1FREECT	Number of entries on free list					
(7C)	FULLWORD	4	S1FREEHI	Highest entries on free list					
(80)	FULLWORD	4	S1INDXCT	Number of entries in queue index					
(84)	FULLWORD	4	S1INDXHI	Highest entries in queue index					
	g facility I/O statistics. s for each main type of	of CF reques	st.						
(88)	FULLWORD	4	S1RDQCT	Read queue index entry					
(8C)	FULLWORD	4	S1WRQCT	Write queue index entry					
(90)	FULLWORD	4	S1DLQCT	Delete queue index entry					
(94)	FULLWORD	4	S1CRLCT	Create list for a big queue					
(98)	FULLWORD FULLWORD	4	S1DLLCT	Delete list (1 per overall delete) Read list entry					
(9C) (A0)	FULLWORD	4 4	S1RDLCT S1WRLCT	Read list entry Write list entry					
(AU) (A4)	FULLWORD	4	S1RWLCT	Rewrite list entry					
(A4)	FULLWORD	4	S1INQCT	Read queue index status only					
(AC)	FULLWORD	4	S1INLCT	Inquire on list entry					
Statistics	s for internal CF reque	ests.							
(B0)	FULLWORD	4	S1WRACT	Write queue index adjunct area only					

Offset Hex	Туре	Len	Name (Dim)	Description
(B4)	FULLWORD	4	S1RRQCT	Reread index data for full length
(B8)	FULLWORD	4	S1RRLCT	Reread list data for full length
(BC)	FULLWORD	4	S1ASYCT	Number of asynchronous requests
IXLLIST	completion statistics	indexed by i	nternal response value.	
(C0)	FULLWORD	4	S1RSP1CT	Normal response, everything OK
(C4)	FULLWORD	4	S1RSP2CT	Buffer length was too short for the data, needs full length reread
(C8)	FULLWORD	4	S1RSP3CT	No matching entry was found, indicates queue not found in index or end of queue for list
(CC)	FULLWORD	4	S1RSP4CT	Entry version did not match, indicates queue updated by another system or duplicate queue exists when attempting to create queue
(D0)	FULLWORD	4	S1RSP5CT	List authority comparison mismatch, indicates big queue was deleted
(D4)	FULLWORD	4	S1RSP6CT	Maximum list key reached, indicates max queue size or max queues reached depending on list
(D8)	FULLWORD	4	S1RSP7CT	The list structure is out of space
(DC)	FULLWORD	4	S1RSP8CT	An IXLLIST return code occurred other than those described above
	111		S1END	H±H
	111		S1CLEN	"*-S1LEN" Length of this DSECT

Shared ts queue server buffer statistics XQS2D

CONTROL BLOCK NAME = DFHXQS2D DESCRIPTIVE NAME = CICS (XQ) Statistics for queue buffer pool. FUNCTION = XQ Statistics for queue index buffer pool usage. LIFETIME = N/A STORAGE CLASS = N/A LOCATION = N/A N/A NOTES: DEPENDENCIES = S/370 MODULE TYPE = Control block definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHXQS2D	, XQ buffer pool statistics record
(0)	FULLWORD	4	S2 (0)	Start of record
(0)	ADDRESS	2	S2LEN	Length of data area
	.111 1.1.		S2IDE	"0122" XQ buffer pool stats mask
(2)	ADDRESS	2	S2ID	XQ buffer pool stats id
	1		S2VERS	"X'01" DSECT version number mask
(4)	ADDRESS	1	S2DVERS	XQ buffer pool version number
(5)	BITSTRING	3		Reserved

These statistics are for the queue index buffer pool, which is used to read and write queue index entries plus the associated data if the total queue size does not exceed 32K bytes. Buffers containing recently accessed queue index entries are added to a least recently used chain, which means that if another request for the same queue arrives shortly afterwards, it may be possible to optimize the processing based on the assumption that the copy in the buffer is probably already correct. If all other buffers are in used, a request for a new buffer will discard the contents of the least recently used buffer and reuse the storage as a free buffer. These statistics are returned by AXM buffer management interface. The queue server does not use some of the AXM buffer management functions (such as KEEP or PURGE) so those counters will be zero. These fields describe the current state of the buffer pool.

These II	These fields describe the current state of the buffer pool.						
(8)	FULLWORD	4	S2BFQTY	Total buffers defined			
(C)	FULLWORD	4	S2BFENTH	Number of buffers used so far			
(10)	FULLWORD	4	S2BFACTS	Active buffers owned by tasks			
(14)	FULLWORD	4	S2BFLRUS	Valid buffers on LRU chain			
(18)	FULLWORD	4	S2BFEMPS	Empty buffers on free chain			
The follo	The following counters start again from zero after a reset.						
(1C)	FULLWORD	4	S2BFPWTS	Waits on buffer pool lock			
(20)	FULLWORD	4	S2BFGETS	GET requests			
(24)	FULLWORD	4	S2BFHITS	GET which found a valid buffer			
(28)	FULLWORD	4	S2BFGFRS	GETs which used a free buffer			
(2C)	FULLWORD	4	S2BFGNWS	GETs which used a new buffer			
(30)	FULLWORD	4	S2BFGLRS	GETs which used the LRU buffer			
(34)	FULLWORD	4	S2BFLWTS	GET waits on buffer lock			
(38)	FULLWORD	4	S2BFGNBS	GETs which returned no buffer			
(3C)	FULLWORD	4	S2BFPUTS	PUTs (put back buffer as valid)			
(40)	FULLWORD	4	S2BFKEPS	KEEPs (put back buffer as modified)			
(44)	FULLWORD	4	S2BFFRES	FREEs (put back buffer as empty)			
(48)	FULLWORD	4	S2BFFNOS	FREE errors, buffer not owned			
(4C)	FULLWORD	4	S2BFPURS	PURGEs (mark buffer invalid)			
(50)	FULLWORD	4	S2BFPNFS	PURGE with no matching buffer found			

Offset Hex	Туре	Len	Name (Dim)	Description
(54)	FULLWORD	4	S2BFPNOS S2END	PURGE errors, buffer not owned
	.1.1 1		S2CLEN	"*-S2LEN" Length of this DSECT

XQS3D Shared ts queue server storage statistics

```
CONTROL BLOCK NAME = DFHXQS3D
DESCRIPTIVE NAME = CICS (XQ) Statistics for server storage.
FUNCTION = XQ Statistics for server main storage usage.
LIFETIME = N/A
STORAGE CLASS = N/A
LOCATION = N/A
N/A
NOTES:
DEPENDENCIES = S/370
MODULE TYPE = Control block definition
```

Offset Hex	Туре	Len	Name (Dim)	Description	
(0)			DFHXQS3D	, XQ main storage statistics record	
(0)	FULLWORD	4	S3 (0)	Start of record	
(0)	ADDRESS	2	S3LEN	Length of data area	
	.111 1.11		S3IDE	"0123" XQ main storage stats mask	
(2)	ADDRESS	2	S3ID	XQ main storage stats id	
	1		S3VERS	"X'01" DSECT version number mask	
(4)	ADDRESS	1	S3DVERS	XQ main storage stats version	
(5)	BITSTRING	3		Reserved	

These are the statistics returned by the AXM page pool management routines for the pools AXMPGANY and AXMPGLOW. Storage in these pools is allocated in multiples of 4K pages on a 4K boundary. The most frequent use is for segments of LIFO stack storage. Storage is initially allocated from the pool using a bit map. For faster allocation, free areas are not normally returned to the pool but are added to a vector of free chains depending on the size of the free area (1 to 32 pages). When storage is being acquired, this vector is checked before going to the pool bit map. If there are no free areas of the right size and there is not enough storage left in the pool, free areas in the vector are put back into the pool, starting from the smallest end, until a large enough area has been created. This action appears as a compress attempt in the statistics. If there is still insufficient storage to satisfy the request, the request is failed.

Statistic	Statistics for LOC=ANY storage pool.						
(8)	CHARACTER	8	S3ANYNAM	Pool name AXMPGANY			
(10)	FULLWORD	4	S3ANYSIZ	Size of storage pool area			
(14)	ADDRESS	4	S3ANYPTR	Address of storage pool area			
(18)	FULLWORD	4	S3ANYMX	Total pages in the storage pool			
(1C)	FULLWORD	4	S3ANYUS	Number of used pages in the pool			
(20)	FULLWORD	4	S3ANYFR	Number of free pages in the pool			
(24)	FULLWORD	4	S3ANYLO	Lowest free pages (since reset)			
(28)	FULLWORD	4	S3ANYRQG	Storage GET requests			
(2C)	FULLWORD	4	S3ANYRQF	Gets which failed to obtain storage			
(30)	FULLWORD	4	S3ANYRQS	Storage FREE requests			
(34)	FULLWORD	4	S3ANYRQC	Compress (defragmentation) attempts			
Statistic	s for LOC=BELOW sto	rage pool.					
(38)	CHARACTER	8	S3LOWNAM	Pool name AXMPGLOW			
(40)	FULLWORD	4	S3LOWSIZ	Size of storage pool area			
(44)	ADDRESS	4	S3LOWPTR	Address of storage pool area			
(48)	FULLWORD	4	S3LOWMX	Total pages in the storage pool			
(4C)	FULLWORD	4	S3LOWUS	Number of used pages in the pool			
(50)	FULLWORD	4	S3LOWFR	Number of free pages in the pool			
(54)	FULLWORD	4	S3LOWLO	Lowest free pages (since reset)			
(58)	FULLWORD	4	S3LOWRQG	Storage GET requests			
(5C)	FULLWORD	4	S3LOWRQF	Gets which failed to obtain storage			
(60)	FULLWORD	4	S3LOWRQS	Storage FREE requests			
(64)	FULLWORD	4	S3LOWRQC	Compress (defragmentation) attempts			
	.11. 1		S3END	H±H			

"*-S3LEN" Length of this DSECT

S3CLEN

.11. 1...

XRH Extended recovery facility

```
CONTROL BLOCK NAME = DFHXRHPS
DESCRIPTIVE NAME = CICS - Extended Recovery Facility XRP - Health Data Definition
FUNCTION =
   DFHXRHPS contains the PL/S structure that describes
   the XRF health data managed by CICS.
   XRF health data can be set by
     1. DFHXRA
     2. DFHXRC
     3. DFHXRCP
     4. DFHXRSP
   DFHXRC, the health exit routine, passes XRF health
   data to the CAVM from whence it is written as part
    of the CAVM status data.
LIFETIME =
   There is only one instance of the control block - it forms part of XRP static storage which is allocated
STORAGE CLASS =
   The control block forms part of XRP static storage.
LOCATION =
   The control block is addressed from XRSAXRHD in XRP
   static storage
INNER CONTROL BLOCKS =
   There are no inner control blocks.
NOTES:
DEPENDENCIES =
   S/370
RESTRICTIONS =
   There are no restrictions.
MODULE TYPE =
   Control block definition.
EXTERNAL REFERENCES =
 None.
DATA AREAS =
    None.
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
    None.
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	52	DFHXRHPS	
(0)	CHARACTER	8	XRHDPFX	- prefix
(8)	CHARACTER	16	*	- "general" values
(8)	CHARACTER	8	XRHDGAPL	- generic applid
(10)	CHARACTER	8	XRHDSAPL	- specific applid
(18)	CHARACTER	4	*	- "control" values
(18)	CHARACTER	1	XRHDTAK	- TAKEOVER
(19)	CHARACTER	1	XRHDSUR	- SURVEILLANCE
(1A)	HALFWORD	2	*	- not used
(1C)	CHARACTER	16	*	- "control" values
(1C)	FULLWORD	4	XRHDADI	- ADI
(20)	FULLWORD	4	XRHDJDI	- JESDI
(24)	FULLWORD	4	XRHDPDI	- PDI
(28)	FULLWORD	4	XRHDHBI	- heartbeat interval
(2C)	CHARACTER	8	*	- "clock" data
(2C)	FULLWORD	4	XRHDCLK1	 "clock" for DFHXRSP - CICS TCB "time stamp"
(30)	FULLWORD	4	XRHDCLK2	 "clock" for DFHXRC - CAVM TCB "time stamp"
(34)	CHARACTER		XRHDEND	

Error data definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	72	XRHE	
(0)	FULLWORD	4	XRHDNRER	 total number
(4)	FULLWORD	4	XRHDIRER	- latest error - index to *
(8)	CHARACTER	8	XRHDRERR (8)	- errors
(8)	CHARACTER	4	XRHDDOMI	- domain id
(C)	CHARACTER	4	XRHDERRI	- error id

Extension descriptor

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	XRHX	
(0)	CHARACTER	4	*	- not used - 0
(4)	HALFWORD	2	XRHXGN	- no. global elements
(6)	CHARACTER	2	*	- not used - 0
(8)	CHARACTER		XRHXEND	

Health work element

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	84	XRHW	
(0)	ADDRESS	4	XRHWNEXT	Chain (when free)
(0)	BITSTRING	2	XRHWFLG	Flags (when in use)
	1		XRHWFSET	Data already passed to CAVM surveillance.
(2)	BITSTRING	2	*	Not used
(4)	CHARACTER	72	XRHWE	Error data
(4C)	CHARACTER	8	XRHWX	Extension data
(54)	CHARACTER		XRHWEND	Start of global data

Global element definition

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	XRHG	
(0)	CHARACTER	8	XRHGP	Prefix
(0)	HALFWORD	2	XRHGLTH	Total length of entry
(2)	BITSTRING	2	XRHGFLG	Flags
` ,	1		XRHGFALT	- created when alt.
(4)	CHARACTER	4	XRHGDOMI	Domain id
(8)	CHARACTER	*	XRHGDATA	Data
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	XRHGD	Data part
(0)	CHARACTER	4	XRHGDP	Prefix
(0)	HALFWORD	2	XRHGDDLN	Data length
(2)	HALFWORD	2	*	Reserved - 0
(4)	CHARACTER	*	XRHGDTXT	Data text

XRS XRF static storage definition

```
CONTROL BLOCK NAME = DFHXRSPS
DESCRIPTIVE NAME = CICS (XRF) Static Storage Definition
FUNCTION =
   DFHXRSPS defines the XRF static storage area managed
          by CICS and referred to as XRP static storage.
   XRP static storage contains
     1. the communications area for DFHXRB and DFHXRSP
    2. ECBs used to control the progress of alternate
       CICS before, during and after takeover
     3. system status data for active CICS
     4. system status data for alternate CICS
     5. system health data
   System status data for active CICS is maintained by
   alternate CICS and contains
     1. status data - e.g. signed on / off

    action flags - e.g. heartbeat overdue
    action modifier flags - e.g. message sent

   System status data for alternate CICS is maintained
   by active CICS and and is very similar in content to
   system status data for active CICS.
   The structure XRS# provides the common definition
   for system status data.
   The structure DFHXRHPS, contained in DFHXRHPS,
   provides the definition for system health data.
   There is only one instance of the control block. It
   is allocated by DFHXRA in response to a DFHXR CTYPE=INITIALIZE call in DFHSIC1.
STORAGE CLASS =
   The control block is allocated by DFHSIC1.
LOCATION =
   The control block is addressed from SSAXRP in the
   static storage address list.
INNER CONTROL BLOCKS =
   XRP static storage contains inner control blocks.
   These are
     1. system status data for active CICS
     2. system status data for alternate CICS
     3. system health data
NOTES:
DEPENDENCIES =
   S/370
RESTRICTIONS =
   There are no restrictions.
MODULE TYPE =
   Control block definition.
EXTERNAL REFERENCES =
    None.
 DATA AREAS =
    None.
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
       DFHXRP - Static Storage Definition
```

Offset	Туре	Len	Name (Dim)	Description	
Hex	CTRUCTURE	470	DELIVERE		
(0)	STRUCTURE	176	DFHXRSPS		
	general values				
(0)	CHARACTER	12	XRSGV	General Values	
(0)	ADDRESS	4	XRSSXRSA	Status area anchor	
(4)	CHARACTER	4	*	Reserved	
(8)	CHARACTER	1	XRSXRF	- function	
(9)	CHARACTER	1	XRSXRSNS	- signon	
(A)	CHARACTER	2	*	Reserved	
	pointers				
(C)	CHARACTER	16	XRSAX	Pointers	
(C)	ADDRESS	4	XRSAXRS0	- A(status data - act)	
(10)	ADDRESS	4	XRSAXRS1	- A(status data - alt 1)	
(14)	ADDRESS	4	XRSAXRS2	- A(status data - alt 2)	
(18)	ADDRESS	4	XRSAXRHD	- A(health data)	
DFHXRB / DFHXRSP communication area					
(1C)	CHARACTER	4	XRSW	DFHXRB / DFHXRSP comm area	
(1C)	ADDRESS	4	XRSWECHN	- work element queue	
	Event Control Blocks				

Offset Hex	Туре	Len	Name (Dim)	Description
(20)	CHARACTER	16	XRSTI	Takeover Initiated
(20)	CHARACTER	4	XRSTIPFX	- eye catcher
(24)	CHARACTER	4	XRSTIECB	- TI ECB (CICS posted)
	1		*	Reserved
	.1		XRSTIWT	- wait/post bit
(24)	BITSTRING	2	*	Reserved
(27)	BITSTRING	1	XRSTIRC	- return code
(28)	CHARACTER	8	XRSTITOD	- time TI ECB posted
(30)	CHARACTER	16	XRSIA	Incipient Active
(30)	CHARACTER	4	XRSIAPFX	- eye catcher
(34)	CHARACTER 1	4	XRSIAECB *	- IA ECB (CICS posted) Reserved
	.1		XRSIAWT	- wait/post bit
(34)	BITSTRING	2	*	Reserved
(37)	BITSTRING	1	XRSIARC	- return code
(38)	CHARACTER	8	XRSIATOD	- time IA ECB posted
(40)	CHARACTER	16	XRSTC	Takeover Completed
(40)	CHARACTER	4	XRSTCPFX	- eye catcher
(44)	CHARACTER	4	XRSTCECB	- TC ECB (CICS posted)
	1		*	Reserved
	.1		XRSTCWT	- wait/post bit
(44)	BITSTRING	2	*	Reserved
(47)	BITSTRING	1	XRSTCRC	- return code
(48)	CHARACTER	8	XRSTCTOD	- time TC ECB posted
(50)	CHARACTER	16	XRSRA	RSD Available
(50)	CHARACTER	4	XRSRAPFX	- eye catcher
(54)	CHARACTER	4	XRSRAECB	- RA ECB (CICS posted)
	1		VDCD AVAT	Reserved
(54)	.1 BITSTRING	2	XRSRAWT *	- wait/post bit Reserved
(57)	BITSTRING	1	XRSRARC	- return code
(58)	CHARACTER	8	XRSRATOD	- time RA ECB posted
(60)	CHARACTER	16	XRSSS	Synchronized wrt Signoff
(60)	CHARACTER	4	XRSSSPFX	- eye catcher
(64)	CHARACTER	4	XRSSSECB	- SS ECB (CICS posted)
	1		*	Reserved
	.1		XRSSSWT	- wait/post bit
(64)	BITSTRING	2	*	Reserved
(67)	BITSTRING	1	XRSSSRC	- return code
(68)	CHARACTER	8	XRSSSTOD	- time SS ECB posted
(70)	CHARACTER	16	XRSST	Synchronized wrt Termination
(70)	CHARACTER	4	XRSSTPFX	- eye catcher
(74)	CHARACTER 1	4	XRSSTECB *	- ST ECB (CICS posted) Reserved
	.1		XRSSTWT	- wait/post bit
(74)	BITSTRING	2	*	Reserved
(77)	BITSTRING	1	XRSSTRC	- return code
(78)	CHARACTER	8	XRSSTTOD	- time ST ECB posted
(80)	CHARACTER	16	XRSQS	Quiesce Surveillance
(80)	CHARACTER	4	XRSQSPFX	- eye catcher
(84)	CHARACTER	4	XRSQSECB	- QS ECB (CICS posted)
	1		*	Reserved
	.1		XRSQSWT	- wait/post bit
(84)	BITSTRING	2	*	Reserved
(87)	BITSTRING	1	XRSQSRC	- return code
(88)	CHARACTER	8	XRSQSTOD	- time QS ECB posted
(90)	CHARACTER CHARACTER	16	XRSSD XRSSDPFX	Shut Down
(90) (94)	CHARACTER	4 4	XRSSDECB	eye catcherSD ECB (CICS posted)
(34)	1	4	*	Reserved
	.1		XRSSDWT	- wait/post bit
(94)	BITSTRING	2	*	Reserved
(97)	BITSTRING	1	XRSSDRC	- return code
(98)	CHARACTER	8	XRSSDTOD	- time SD ECB posted
s	system health data			
(A0)	CHARACTER	16	XRSH	
(A0)	CHARACTER	8	XRSHGAPL	Generic applid
(A8)	CHARACTER	8	XRSHSAPL	Specific applid
(B0)	CHARACTER		DFHXRSND	

Anchor area addressed by XRSSXRSA in static area
Note: XRSA MUST end on a word boundary such that the XRS#
status areas that follow are also word alligned.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	84	XRSA	
(0)	CHARACTER	8	XRSAPFX	- eye catcher
(8)	FULLWORD	4	XRSALN	Total area length
(C)	ADDRESS	4	* (4)	QQQQ space for XRSAXRS0

Offset Hex	Туре	Len	Name (Dim)	Description
(1C)	FULLWORD	4	XRSAGMAX	Global data area size
(20)	CHARACTER	8	XRSAF	Free health elements
(20)	ADDRESS	4	XRSAFREE	First free hwe
(24)	FULLWORD	4	XRSAFIDN	Guard for CDS
(28)	ADDRESS	4	XRSASHRD	Transferred hwe
(2C)	ADDRESS	4	XRSACAVM	CAVM's hwe
(30)	ADDRESS	4	XRSAPTA	Program name table adr
(34)	CHARACTER	4	XRSAMVID	MVS SMF id.
(38)	CHARACTER	4	XRSAJSID	JES subsystem id.
(3C)	CHARACTER	8	XRSASPLX	XCF Sysplex name
(44)	CHARACTER	8	XRSASNAM	MVS System name
(4C)	CHARACTER	4	XRSASTOK	MVS System instance
(50)	CHARACTER	4	*	Status bytes
(50)	BITSTRING	1	XRSASIND	MVS System status
	1		XRSAXCFA	XCF services avail
	.111 1111		*	Reserved
(51)	CHARACTER	3	*	Reserved
(54)	CHARACTER		*	force word allignment

DFHXRP - System Status Definition

Offset	Туре	Len	Name (Dim)	Description
Hex	,,,		,	
(0)	STRUCTURE	76	XRS#	Data for
(0)	CHARACTER	8	XRS#PFX	- eye catcher
(8)	FULLWORD	4	XRS#DI	- delay interval
(C)	CHARACTER	12	*	- status (wrt CAVM TCB)
(C)	FULLWORD	4	XRS#INS1	- instance number
(10)	FULLWORD	4	XRS#VER1	- version number
(14)	CHARACTER	4	*	- flags
(14)	1	4	XRS#SON1	- signed on
	.1		XRS#HBO1	- heartbeat overdue
(4.4)	BITSTRING	3	*	Reserved
(14)	CHARACTER	20	*	
(18) (18)	FULLWORD	4	XRS#INS2	- status (wrt CICS TCB) - instance number
` '	FULLWORD	4	XRS#VER2	- version number
(1C)		8		
(20)	CHARACTER	4	XRS#APL2	- specific applid
(28)	CHARACTER	4	VD0#00N0	- flags
(00)	1		XRS#SON2	- signed on
(28)	BITSTRING	3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Reserved
(2C)	FULLWORD	4	XRS#NSON	- sign on count
(30)	CHARACTER	8	*	- Write to Operator
(30)	CHARACTER	4	XRS#ECB	- WTOR ECB (OS posted)
	1		XRS#WAIT	- wait bit
	.1		XRS#POST	- post bit
(30)	BITSTRING	3	*	Reserved
(34)	FULLWORD	4	XRS#MID	 identification number
(38)	CHARACTER	3	XRS#AFL	- action flags
	1		XRS#HBRS	 heartbeat resumed
	.1		XRS#HBOD	 heartbeat overdue
	1		XRS#RQTP	 request takeover - process WTOR request
	1		XRS#RQTG	 request takeover - preocess WTOR reply
	1		XRS#INTK	 initiate takeover
	1		XRS#PSN	- sign on
	1.		XRS#PSFN	- sign off normal
	1		XRS#PSFA	- sign off abnormal
(39)	1		XRS#ATCX	- attach CXCU
(39)	BITSTRING	1	*	Reserved
(3B)	CHARACTER	1	XRS#MFL	 action modifier flags
	1		XRS#SONP	- sign on - pending
	.1		XRS#SOFI	- sign off - implicit
	1		XRS#ATER	 attach CXCU failed
	1		XRS#6X16	- heartbeat overdue
	1		XRS#6416	- message DFH6416
	1		XRS#6516	- message DFH6516
	1		XRS#6X18	- request takeover
	1		XRS#6418	- message DFH6418
	1		XRS#6518	- message DFH6518
	1		XRS#DUMP	- request dump
	11		*	Reserved
(3C)	CHARACTER	16	*	- TOD clock difference
(3C)	CHARACTER	8	*	- wrt CAVM TCB
(3C)	FULLWORD	4	XRS#LBD1	- lower bound
(40)	FULLWORD	4	XRS#UBD1	- upper bound
(44)	CHARACTER	8	*	- wrt CICS TCB
(44)	FULLWORD	4	XRS#LBD2	- lower bound
(48)	FULLWORD	4	XRS#UBD2	- upper bound
(/		•		

Constants

Len	Туре	Value	Name	Description
1	CHARACTER	N	XRSXRNO	- not signed on
1	CHARACTER	Α	XRSXRACT	- signed on as active
1	CHARACTER	В	XRSXRALT	- signed on as alternate
1	CHARACTER	Α	XRSTAKEA	- TAKEOVER=AUTOMATIC
1	CHARACTER	М	XRSTAKEM	- TAKEOVER=MANUAL
1	CHARACTER	С	XRSTAKEC	- TAKEOVER=COMMAND
1	CHARACTER	Υ	XRSSURON	- SURVEILLANCE=ON
1	CHARACTER	N	XRSSUROF	- SURVEILLANCE=OFF
0	BIT	1	XRS#ON	- action required
0	BIT	0	XRS#OFF	- action completed

XRW XRF work element definition

```
CONTROL BLOCK NAME = DFHXRWPS
DESCRIPTIVE NAME = CICS (XRF) Work Element Definition
   DFHXRWPS defines the XRF work elements managed by CICS.
   XRF work elements are used to pass information from
  DFHXRB, the notify exit program which runs under the CAVM TCB, to DFHXRSP, the surveillance program which
   runs under the CICS TCB.
   The information passed from DFHXRB to DFHXRSP, and
   the action taken by DFHXRSP, depends on the event
  notified to DFHXRB by the CAVM.
LIFETIME =
   XRF work elements are created by DFHXRB and are
   destroyed by DFHXRSP.
STORAGE CLASS =
   XRF work elements are allocated from OS storage.
LOCATION =
   Two work element chains exist.
    1. The first chain, addressed from XRSWECHN in
      XRP static storage, contains those elements
       created by DFHXRB ... but ... not yet seen
       by DFHXRSP - elements appear reverse order
     2. The second chain, addressed from DFHXRSP
      LIFO storage, contains those elements seen
       ... but ... not yet processed by DFHXRSP;
elements appear in order of creation.

INNER CONTROL BLOCKS =
   There are no inner control blocks.
 DEPENDENCIES =
    S/370
 RESTRICTIONS =
    There are no restrictions.
MODULE TYPE =
    Control block definition.
EXTERNAL REFERENCES =
 DATA AREAS =
    None.
 CONTROL BLOCKS =
    None.
 GLOBAL VARIABLES (Macro pass) =
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	28	DFHXRWPS	XRP work element
(0)	FULLWORD	4	XRWETRRQ	 request - for trace
(0)	UNSIGNED	1	XRWERQ	- request
(1)	BITSTRING	1	XRWERQM	 request modifier
	1		XRWERQIM	- implicit request
	.1		XRWERQDU	 DUMP=YES specified
	1		XRWERQMD	 MVS system gone
	1 1111		*	Reserved
(2)	BITSTRING	2	*	Reserved
(4)	ADDRESS	4	XRWECHN	 A(next work element)
(8)	ADDRESS	4	XRWEASD	 A(system status data)
(C)	FULLWORD	4	XRWEINS	 instance number
(10)	FULLWORD	4	XRWEVER	 version number
(14)	CHARACTER	8	XRWEAPL	- specific applid
(14)	FULLWORD	4	XRWELBD	- TOD clock - lower bound

Offset Hex	Туре	Len	Name (Dim)	Description
(14)	FULLWORD	4	XRWEHBL	 #(secs heartbeat late)
(14)	FULLWORD	4	XRWEABC	- abend code (ex CAVM)
(18)	FULLWORD	4	XRWEUBD	- TOD clock - upper bound

Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	XRWESON	- signon
1	DECIMAL	2	XRWESOFN	- signoff normal
1	DECIMAL	3	XRWESOFA	- signoff abnormal
1	DECIMAL	7	XRWECKDC	 TOD clock difference
1	DECIMAL	8	XRWEIHRC	 health response
1	DECIMAL	9	XRWEHBOD	 heartbeat overdue
1	DECIMAL	10	XRWEHBRS	 heartbeat resumed
1	DECIMAL	15	XRWERQTK	 request takeover
1	DECIMAL	16	XRWEICPA	 incipient active
1	DECIMAL	17	XRWEACTV	- active
1	DECIMAL	18	XRWECKAS	 TOD clock wrt signoff
1	DECIMAL	19	XRWECKAT	 TOD clock wrt termination
1	DECIMAL	24	XRWEFAIL	- CAVM failure
1	DECIMAL	25	XRWEINVL	 invalidated

ZCCPS CICS client

MODULE NAME = DFHZCCPS DESCRIPTIVE NAME = CICS Client control blocks This copybook provides the declarations and structures necessary for the CCIN and CTIN transactions. NOTES: DEPENDENCIES = S/390

Data for CICS client CCIN transaction input

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	R	Receive parameters
(0)	CHARACTER	12	CCIN_HEADER	
(0)	FULLWORD	4	CCIN_LEN	
(4)	UNSIGNED	1	CCIN_GROUP	
(5)	UNSIGNED	1	CCIN_FUNCTION	
(6)	UNSIGNED	1	CCIN_VERSION	
(7)	UNSIGNED	1	CCIN_RESPONSE	
(8)	UNSIGNED	2	CCIN_REASON	
(A)	UNSIGNED	2	CCIN_PARMNUM	
04	T		Name (Dim)	December
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	CCIN APPLID PARM	
(0)	FULLWORD	4	CCIN_APPLID_ LENGTH	
(4)	UNSIGNED	1	CCIN APPLID PARM TYPE	
(5)	CHARACTER	*	CCIN APPLID	
, ,			_	
Offset	Туре	Len	Name (Dim)	Description
Hex	• •		, ,	
(0)	STRUCTURE	*	CCIN_CODEPAGE_ PARM	
(0)	FULLWORD	4	CCIN_CODEPAGE_	
			LENGTH	
(4)	UNSIGNED	1	CCIN_CODEPAGE_	
			PARM_TYPE	
(5)	CHARACTER	*	CCIN_CODEPAGE	
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	CCIN_CAPABILITIES_ PARM	
(0)	FULLWORD	4	CCIN_CAPABILITIES_	
			LENGTH	

Offset Hex	Туре	Len	Name (Dim)	Description
(4)	UNSIGNED	1	CCIN_CAPABILITIES_ PARM TYPE	
(5)	BITSTRING 1111 11 1	1	CCIN_ENVIRON_ TYPE * CCIN_EBCDIC CCIN_BIGENDIAN	
(6)	BITSTRING	2	CCIN_CLIENT_ CAPABILITIES	
(6)	BITSTRING 1	1	* CCIN_EXIT_ PROCESSING	
	.1		CCIN_TRANSLATE_ CAPABLE	
	1		CCIN_DELETE_ ENTRIES CCIN_TCTUA_ COMMAREA	
(7)	1111 BITSTRING	1	*	

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	9	CCIN SECURITY PARM	
(0)	FULLWORD	4	CCIN_SECURITY_ LENGTH	
(4)	UNSIGNED	1	CCIN_SECURITY_	
			PARM_TYPE	
(5)	UNSIGNED	1	CCIN_ECIATTACH_ USERID	
(6)	UNSIGNED	1	CCIN_ECIATTACH_	
			PASSWORD	
(7)	UNSIGNED	1	CCIN_EPIATTACH_ USERID	
(8)	UNSIGNED	1	CCIN_EPIATTACH_	
			PASSWORD	

Data for CICS client CCIN transaction output

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	12	S	Send parameters
(0)	CHARACTER	12	CCIN_HEADER	
(0)	FULLWORD	4	CCIN_LEN	
(4)	UNSIGNED	1	CCIN_GROUP	
(5)	UNSIGNED	1	CCIN_FUNCTION	
(6)	UNSIGNED	1	CCIN_VERSION	
(7)	UNSIGNED	1	CCIN_RESPONSE	
(8)	UNSIGNED	2	CCIN_REASON	
(A)	UNSIGNED	2	CCIN_PARMNUM	

Data for CICS client CTIN transaction input

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	IN	Input parameters
(0)	CHARACTER	12	CTIN_HEADER	
(0)	FULLWORD	4	CTIN_LEN	
(4)	UNSIGNED	1	CTIN_GROUP	
(5)	UNSIGNED	1	CTIN_FUNCTION	
(6)	UNSIGNED	1	CTIN VERSION	
(7)	UNSIGNED	1	CTIN RESPONSE	
(8)	UNSIGNED	2	CTIN REASON	
(A)	UNSIGNED	2	CTIN_PARMNUM	
Offset Hex	Туре	Len	Name (Dim)	Description
(O)	STRUCTURE	*	CTIN NETNAME PARM	
(0)	FULLWORD	4	CTIN_NETNAME_FARM	
(4)	UNSIGNED	1	CTIN_NETNAME_ LENGTH	
(4)	UNSIGNED	'	PARM TYPE	
(5)	CHARACTER	*	CTIN_NETNAME	

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	CTIN_MODELID_PARM	
(0)	FULLWORD	4	CTIN_MODELID_ LENGTH	
(4)	UNSIGNED	1	CTIN_MODELID_ PARM TYPE	
(5)	CHARACTER	*	CTIN_MODELID	
0111	T	1	Name (Dim)	Paradation.
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	CTIN_CODEPAGE_ PARM	
(0)	FULLWORD	4	CTIN_CODEPAGE_ LENGTH	
(4)	UNSIGNED	1	CTIN CODEPAGE	
` '			PARM_TYPE	
(5)	CHARACTER	*	CTIN_CODEPAGE	
Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	*	CTIN_APPLID_PARM	
(0)	FULLWORD	4	CTIN_APPLID_ LENGTH	
(4)	UNSIGNED	1	CTIN_APPLID_ PARM_TYPE	
(5)	CHARACTER	*	CTIN_APPLID	
Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	*	CTIN_TERMID_PARM	
(0)	FULLWORD	4	CTIN_TERMID_ LENGTH	
(4)	UNSIGNED	1	CTIN_TERMID_	
(5)	CHARACTER	*	PARM_TYPE CTIN_TERMID	
(5)	CHARACTER		CTIN_TERMID	
Officet	Tuno	Lon	Nama (Dim)	Description
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	6	CTIN_TERMSOC_PARM	
(0)	FULLWORD	4	CTIN_TERMSOC_ LENGTH	
(4)	UNSIGNED	1	CTIN_TERMSOC_	
1.7		•	PARM_TYPE	
(5)	UNSIGNED	1	CTIN_TERMSOC	signon capability
	1		CTIN_TERMSOC_ IND	1 - required 0 - not required

Data for CICS client CTIN transaction output

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	OUT	Output parameters
(0)	CHARACTER	12	CTIN HEADER	
(0)	FULLWORD	4	CTIN LEN	
(4)	UNSIGNED	1	CTIN GROUP	
(5)	UNSIGNED	1	CTIN_FUNCTION	
(6)	UNSIGNED	1	CTIN VERSION	
(7)	UNSIGNED	1	CTIN RESPONSE	
(8)	UNSIGNED	2	CTIN_REASON	
(A)	UNSIGNED	2	CTIN_PARMNUM	
Offset	Type	Len	Name (Dim)	Description
Hex			` '	•
(0)	STRUCTURE	*	CTIN TERMDETAILS PARM	
(0)	FULLWORD	4	CTIN_TERMDETAILS_	
. ,			LENGTH	
(4)	UNSIGNED	1	CTIN_TERMDETAILS_	
, ,			PARM_TYPE	
(5)	CHARACTER	*	CTIN_TERMDETAILS	
. ,				

Constants

Len 1	Type DECIMAL	Value 1	Name CCIN_CLIENT_ FUNCTION	Description
Co	nstants for ccin_ function	ı		
1	DECIMAL	1	CCIN_CLIENT_	
1	DECIMAL	2	INSTALL_REQUEST CCIN_CLIENT_	
			INSTALL_RESPONSE	
1	DECIMAL	3	CCIN_CLIENT_ UNINSTALL_REQUEST	
С	Constants for CCIN param	eter types		
1	DECIMAL	1	CCIN_APPLID_TYPE	
1	DECIMAL	3	CCIN_CODEPAGE_TYPE	
1 1	DECIMAL DECIMAL	4 9	CCIN_CAPABILITIES_ TYPE CCIN_SECURITY_TYPE	
	nstants for ccin_ respons		COIN_SECONTI_TIFE	
1	-	0	CCINI NODMAI	
1	DECIMAL DECIMAL	1	CCIN_NORMAL CCIN_EXCEPTION	
1	DECIMAL	2	CCIN_ERROR	
1	DECIMAL	4	CCIN_DISASTER	
Co	nstants for ccin_ reason			
2	DECIMAL	0	CCIN_OK	
2	DECIMAL	1	CCIN_ALREADY_ INSTALLED	
2	DECIMAL	4	CCIN_INSTALL_ CANCELLED	
2	DECIMAL	5	CCIN_SERVER_BUSY	
2	DECIMAL	6	CCIN_INVALID_ REQUEST	
2	DECIMAL	7	CCIN_INVALID_ CODEPAGE	
D	eclare the CTIN header l	olock and response a		
	nstants for ctin_ group			
1	DECIMAL	1	CTIN_CLIENT_ FUNCTION	
Co	nstants for ctin_ function			
1	DECIMAL	17	CTIN_TERMINAL_	
1	DECIMAL	18	INSTALL_REQUEST	
'	DECIMAL	10	CTIN_TERMINAL_ INSTALL_RESPONSE	
1	DECIMAL	19	CTIN_TERMINAL_	
			UNINSTALL_REQUEST	
С	Constants for CTIN param	eter types		
1	DECIMAL	1	CTIN_APPLID_TYPE	
1	DECIMAL	3	CTIN_CODEPAGE_TYPE	
1	DECIMAL	5	CTIN_NETNAME_TYPE	
1	DECIMAL	6	CTIN_MODELID_TYPE	
1 1	DECIMAL DECIMAL	7 8	CTIN_TERMDETAILS_ TYPE CTIN TERMID TYPE	
1	DECIMAL	10	CTIN_TERMSOC_TYPE	
Co	nstants for ctin_ response	е		
1	DECIMAL	0	CTIN_NORMAL	
1	DECIMAL	1	CTIN_EXCEPTION	
1	DECIMAL	2	CTIN_ERROR	
1	DECIMAL	4	CTIN_DISASTER	
	nstants for ctin_ reason			
2	DECIMAL	1	CTIN_ALREADY_ INSTALLED	
2	DECIMAL	2	CTIN_UNKNOWN_ TERMINAL	
2	DECIMAL	3	CTIN_UNKNOWN_MODEL	
2	DECIMAL DECIMAL	4 5	CTIN_INSTALL_ CANCELLED CTIN_SERVER_BUSY	
2	DECIMAL	5 6	CTIN_SERVER_BUSY CTIN_INVALID_ REQUEST	
2	DECIMAL	7	CTIN_INVALID_ CODEPAGE	
	nstants for ctin_ o_type			
		7	CTIN O TERM PRO	
1	DECIMAL	1	CTIN_O_TERM_BPS	

ZCQ Builder parameter set

CONTROL BLOCK NAME = DFHZCQPS
DESCRIPTIVE NAME = CICS Builder Parameter Set. FUNCTION = STORAGE CLASS = Any. LOCATION = Via task registers. INNER CONTROL BLOCKS = There is a root section, containing an overlay-id, and one of several overlays. NOTES : DEPENDENCIES = S/370 RESTRICTIONS = None. MODULE TYPE = Control block definition EXTERNAL REFERENCES = None. DATA AREAS = None.

CONTROL BLOCKS = ZC BIND-stub.

GLOBAL VARIABLES (Macro pass) = no public globals.

The builder parameter set data areas (ZCQPS) are used when creating a terminal control table resource dynamically, for example, by resource definition online (RDO). They are allocated by the RDO front end, by DFHZATD, or by DHZCQIS. These areas describe the properties of a terminal, connection session, modegroup, or terminal pool. ZCQPS consists of a fixed-length prefix, a bit map preceded by its length, an area for fixed-length parameters preceded by its length, and three variable-length parameters for BIND, USERID and password, each holding its own length. Prefix 00LL | Existence Bits 00LL | Fixed-length paramenters Beginning of the variable areas LL | BIND area LL USERID LL | Password The bits in the bit map show the value of a fixed-length parameter if it has two values, or, in other cases, whether it has a value or not. The other areas are overlays or values for the areas already The following area is the root for the overlay structure

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	17	ZCBPS	Root for overlay structure
(0)	ADDRESS	4	ZCQPSPTR	Address of BPS
(4)	ADDRESS	4	BPS_BIND_IN_USE	BPS Bind in use. Set by ZCQIS.
(8)	BITSTRING	1	*	
. ,	1		BPS_NOREPLACE	Don't replace existing version
	.1		BPS_SHIPPED_X	Definition was shipped.
	11 1		BPS TYPE BITS	
	1		BPS CONN	Connection definition
	1		BPS SESS	Session definition
	1		BPS POOL	Pipeline definition
	111		*	·
(9)	CHARACTER	8	BPS_ATOM_ID	Related set of recoverable

BPSes

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	10	DFHZCQPS	BPS
(0)	ADDRESS	4	BPS_FORWARD_PTR	Next in chain, if any.
(4)	HALFWORD	2	BPS_LENGTH	Length of whole structure
(6)	UNSIGNED	1	BPS_RTC	Resource Type Code.
(7)	UNSIGNED	1	BPS_SUBTYPE	Subtype.
(8)	UNSIGNED	1	BPS_OVERLAY_ID	Overlay Check Key.
(9)	BITSTRING	1	*	
` '	1		BPS TRACE YES X	Trace this BPS
(A)	CHARACTER		ZCQPSOVL	Location of overlays.

The existence bits define which options will be generated in the resulting terminal. It also indicates if further information is contained within

the fixed parameter area (BPS_FIXED_VARS).

Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	STRUCTURE UNSIGNED	* 2	BPS_EXIST_BITS ZCQPSXBL	BPS Existence Bits Length of existence bits.
(2)	CHARACTER	*	ZCQPSXBA	Existence bits area.
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	BPS_FIXED_VARS	BPS Fixed Variables
(0)	UNSIGNED	2	ZCQPSFVL	Length of fixed-len parms.
(2)	CHARACTER	*	ZCQPSFVA	Fixed-length parm area.

BIND-image. An image of the VTAM BIND

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	BPSBINDI	BPS Bind Image
(0)	UNSIGNED	1	BPSBINDL	Bind Image Length
(1)	CHARACTER	*	BPSBINDS	Bind Image String
Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	BPS_BIND_IMAGE	Usually BASED(ADDR(BPSBINDI))
(0)	UNSIGNED	1	BPS_BIND_LENGTH	Bind Image Length
(1)	CHARACTER	25	BPS_BIND_STRING	Bind Image String
(1A)	BITSTRING	1	BPS_CRYPT	Byte 26 of BIND
, ,	1111		*	Cryptography options
	1111		*	Contains len(BPS_CRYPT_MODE)
(1B)	CHARACTER	*	BPS_CRYPT_MODE	Cryptography method

Optional BIND image fields

Offset Hex (0) (0) (1)	Type STRUCTURE UNSIGNED CHARACTER	ten * 1 *	Name (Dim) BPS_PLUNAME BPS_PLUN_LENGTH BPS_PLUN_STRING	Description Primary LU Name Primary LU Name length Primary LU Name String
Offset Hex (0) (0) (1)	Type STRUCTURE UNSIGNED CHARACTER	ten * 1 *	Name (Dim) BPS_USERDATA BPS_USERD_LENGTH BPS_USERD_STRING	Description Userdata Userdata Length Userdata string
Offset Hex (0) (0) (1)	Type STRUCTURE UNSIGNED CHARACTER	Len * 1 *	Name (Dim) BPS_URCORRELATOR BPS_URC_LENGTH BPS_URC_STRING	Description User related correlation field UR corr. field length UR Corr. field string
Offset Hex (0) (0) (1)	Type STRUCTURE UNSIGNED CHARACTER	Len * 1 *	Name (Dim) BPS_SLU_NAME BPS_SLUN_LENGTH BPS_SLUN_STRING	Description Secondary LU Name Secondary LU Name length Secondary LU Name String

USERID as in the VTAM CINIT

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	21	BPS_USID	USERID
(0)	UNSIGNED	1	BPS_USID_LENGTH	USERID Length
(1)	CHARACTER	20	BPS_USID_STRING	USERID Max. allowed in CICS

PASSWORD as in the VTAM CINIT

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	17	BPS_PWORD	PASSWORD
(0)	UNSIGNED	1	BPS_PWORD_LENGTH	PASSWORD Length
(1)	CHARACTER	16	BPS_PWORD_STRING	PASSWORD max allowed in CICS

Overlay for terminals. Generally, if it ends in _xxx_X (e.g._YES_X) and the bit is on then the appropriate option will be set in the TCTTE. If it only ends in _X and the bit is on then additional information will be contained in the fixed length parameter area whose value will be set in the TCTTE.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	24	ZC_EXIST_BITS	Terminal Existence Bits overlay
	1		ZC_RESERVED_1_X	Reserved
	.1		ZC_NETNAME_X	Netname Var exists
	1		ZC_CONSLID_X	Console ID var exists
	1		ZC_RMTNAME_X	Remote Name var exists
	1		ZC_SYSIDNT_X	Remote system name var exists
	1		ZC_POOLPTR_X	Pipeline pool pointer exists
	1.		ZC_PRINTTO_X	Printer var exists
	1		ZC_ALTPRINT_X	Alt printer var exists
(1)	1		ZC_SPOOLTO_X	DOS Spooler var exists
	.1		ZC_POOLID_X	POOLID var exists
	1		*	Reserved
	1		ZC_OPERPRI_X	Operator Priority var exists
	1		*	Reserved
	1		*	Reserved
	1.		ZC_OPERID_X	Operator ID var exists
	1		ZC_OPCLASS_X	Operator class exists
(2)	1		ZC_NEPCLASS_X	NEP class var exists
	.1		ZC_TRANSACTION_X	Tran ID var exists
	1		ZC_TRMPRTY_X	Terminal Priority var exists
	1		*	Reserved
	1		ZC_LDC_X	LDC var exists
	1		ZC_LOGMODE_X	LOGMODE var exists
	1.		ZC_PGESIZE_1_X	Page size var exists
	1		ZC_PGESIZE_2_X	Page size var exists
(3)	1		ZC_ALTPGE_1_X	Alt Page size var exists
	.1		ZC_ALTPGE_2_X	Alt Page size var exists
	1		ZC_ALTSFX_X	Alt suffix var exists
	1		ZC_TCTUAL_X	User Area Len var exists
	1		ZC_CINIT_YES_X	Not used
	1		ZC_APLKYBD_YES_X	APL Keyboard
	1.		ZC_APLTEXT_YES_X	APL Text
	1		ZC_AUDALARM_YE_X	Audible alarm
(4)	1		ZC_COLOR_YES_X	Colour
	.1		ZC_DCKYBD_YES_X	DC keyboard
	1		ZC_EXTDS_YES_X	3270 extended data stream
	1		ZC_HILIGHT_YES_X	High light
	1		ZC_KATAKANA_YE_X	Katakana keyboard
	1		ZC_MSRCNTRL_YE_X	Magnetic slot reader
	1.		ZC_OBFMT_YES_X	OB format
(E)	1		ZC_PARTNS_YES_X	Partition support
(5)	1		ZC_PTRADAPT_YE_X	Print adaptor
	.1		ZC_PS_YES_X	Prog Symb
	1		ZC_SELCTPEN_YE_X	Select Pen
	1		ZC_VALIDATI_YE_X	Validate
			ZC_HF_YES_X	Horizontal form
	1 1.		ZC_VF_YES_X	Vertical form
	1		ZC_FF_YES_X	Form Feed
			ZC_FMHPARM_YES_X	BMS FMH parms

Offset Hex	Туре	Len	Name (Dim)	Description
(6)	1		ZC_AUTOPAGE_YE_X	Autopage
	.1	•	ZC_ERRLASTL_YE_X	Error last line
	1		ZC_ERRINTEN_YE_X	Error intensify
	1		ZC_ERRCOLOR_BL_X	Error colour blue
	1		ZC_ERRCOLOR_RE_X ZC_ERRCOLOR_PI_X	Error colour red Error colour pink
	1		ZC_ERRCOLOR_GR_X	Error colour green
			ZC_ERRCOLOR_TU_X	Error colour turquoise
(7)	1		ZC_ERRCOLOR_YE_X	Error colour yellow
. ,	.1		ZC_ERRCOLOR_NE_X	Error colour neutral
	1		ZC_ERRHILIG_BL_X	Error hilight blue
	1		ZC_ERRHILIG_RE_X	Error hilight red
	1		ZC_ERRHILIG_UN_X ZC_ATI_YES_X	Error hilight underline ATI allowed
	1		ZC_XII_YES_X ZC_TTI_YES_X	TTI allowed
			ZC_INTLOG_YES_X	Create sess
(8)	1		ZC_OUTSERVI_YE_X	Out of service
	.1		ZC_INPUT_YES_X	Input only term
	1		ZC_RELREQ_YES_X	Relreq
	1		ZC_DISCONNE_YE_X	Disconnect
	1		ZC_ROUTE_NOTAL_X	Route DMS SP Route DMS NO
	1		ZC_ROUTE_NEVER_X ZC_GMMSG_YES_X	Logon Message
			ZC_PRINT_YES_X	Print
(9)	1		ZC_CHNASSY_YES_X	Chain assembly
	.1		ZC_UCTRAN_YES_X	Upper case translate
	1		ZC_3270E_YES_X	3270 E
	1		ZC_TEXTKYBD_YE_X	Text keyboard
	1		ZC_TEXTPRIN_YE_X ZC_CONNAUTO_YE_X	Text print Auto connect
	1		ZC IOAREALEN X	IO area len
		1	ZC_CHAINMAX_X	Chain max
(A)	1		ZC_PARS_LU6_X	Parallel sess LU61
	.1		ZC_PARS_LUC_X	Parellel sess LU62
	1		ZC_QUERY_COLD_X ZC_QUERY_ALL_X	Query cold Query all
	1		ZC_COPY_YES_X	3270 copy
	1.		ZC_ACOPY_YES_X	3270 copy alt
	1		ZC_PREBIND_SCR_X	Pre bind
 .			ZC_AUTOPAGE_NO_X	BMS Autopage
(B)	1		ZC_CGCSGID_1_X ZC_CGCSGID_2_X	Graphic char set var exists Graphic char set var exists
	1		ZC_OBOPERID_YE_X	Outboard op id
	1		ZC_SHIPPABL_YE_X	Shippable
	1		ZC_SIGNOFF_YES_X	Signoff at timeout
	1.		ZC_PRINTERTYPE_X	Printer type
	1		ZC_SPOOLDEST_X ZC_SIGNOFF_LOG_X	Dos spool dest Logoff at timeout
(C)	1		ZC_XSNAME_X	Security name var exists
(-)	.1		ZC_USEDFLTU_YE_X	Use default user
	1		ZC_NETNAMEQ_X	Netname Q
	1		ZC_MAXSESS_1_X	Max sessions var exists
	1		ZC_MAXSESS_2_X ZC_SYSTEM_PTR_X	Max sessions var exists
	1		*	Pointer not name supplied Reserved
		1	*	Reserved
(D)	1		*	Reserved
	.1		ZC_CONNAUTO_AL_X	Auto connect all
	1		ZC_SESSNAME_X	Session name
	1		ZC_LUSM_YES_X ZC_MODENAME_X	LU Serv manager session Mode name var exists
	1.		ZC_POOLCNT_X	Pool count var exists
	1		ZC_PARS_YES_X	Parellel session
			ZC_ATTACHSE_LO_X	Attach security local
(E)	1		ZC_ATTACHSE_ID_X	Attach security ID
	.1		ZC_ATTACHSE_VE_X *	Attach security verify Reserved
	1		ZC_TRANSIENT_X	Autoinstalled terminal
	1		ZC_TASKLIMIT_X	Pipe line task limit
	1.		ZC_BACKTRAN_YE_X	Background transparency
	1		ZC_SOSI_YES_X	Ebcdic and d.byte char set
(F)	1		ZC_OUTLINE_YES_X ZC_RECOVOPT_SY_X	Outline supported RecovOption = System Default
(')	.1		ZC_RECOVOPT_CL_X	RecovOption = Clear Conv.
	1		ZC_RECOVOPT_RE_X	RecovOption = Release Session
	1		ZC_RECOVOPT_RS_X	RecovOption = Restart Session
	1		ZC_RECOVOPT_NO_X	RecovOption = None
	1.		ZC_RECOVNOT_NO_X ZC_RECOVNOT_ME_X	RecovNotify = None RecovNotify = Message
			ZC_RECOVNOT_WE_X ZC_RECOVNOT_TR_X	RecovNotify = Transaction
(10)	1		ZC_NATLANG_X	National Language exists
	.1		ZC_XRFSIGNO_FO_X	XRFsignoff = force => 1
	1		ZC_3270COMP_X	3270 compatibility bits
	1		ZC_LUTYPE2_X ZC_UCTRAN_TRAN_X	Indicate DEVICE=LUTYPE2 UC translate tranid
(10)	BITSTRING		ZC_RESERVED_311	Reserved

Offset Hex	Туре	Len	Name (Dim)	Description
(11)	1		ZC_PRT_NETNAME_X	MTS printer netname
	1		ZC_APRT_ NETNAME_X	MTS ALTPRT netname
	1		ZC_CONSNAME_X	Console name exists
	1.		ZC_BINDSECU_YE_X	Bind security on
	1		ZC_BINDSECU_NO_X	Bind security off
(12)	1		ZC_ATTACHSE_PE_X	Attach security Persistent
	.1		ZC_ATTACHSE_MI_X	Attach security Mixed
	11 1		ZC_RESERVED_320	Reserved
(12)	BITSTRING		ZC_RESERVED_330	Reserved
(13)	.1		ZC_PROTOCOL_EX_X	PROTOCOL=EXCI
	1		ZC_SENDCOUNT_X	Session SENDCOUNT supplied
	1		ZC_RECEIVECOUN_X	Session RECEIVECOUNT
	1		ZC_CLONE_X	APPC clone session
	1		ZC_EXTENDED_NO_X	CBD, local sec allowed
	1.		ZC_EXTENDED_YE_X	CBD, NO local sec. allowed
	1		ZC_CBDATTAC_NO_X	CBD, no CBD security
(14)	1		ZC_CBDATTAC_AC_X	CBD, accepted protocol
	.1		ZC_CBDATTAC_RE_X	CBD, required protocol
	1		ZC_USE_ MRO_BITMAP_X	
				Session for MRO BITMAP
	1		ZC_TITOKEN_YES_X	token present
(14)	BITSTRING		ZC_RESERVED_DEV	Reserved for rel 510
(15)	.1		ZC_CATLG_NO_X	Session not catalogued
	1		ZC_TOR_NETNAME_X	TOR netname provided
	1		ZC_VIRTUAL_ TERMINAL_X	
				Virtual Terminal
	1		ZC_BRACKET_NO_X	Bracket(No)
(15)	BITSTRING		ZC_RESERVED_510	Reserved for rel 510
(16)	BITSTRING	1	ZC_RESERVED_130	Reserved for rel 1.3

Fixed Length Variables for Terminals

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	257	ZC_FIXED_VARS	Terminal Variable fields overlay
(0)	CHARACTER	4	ZC_TERMINAL	Terminal ID
(4)	CHARACTER	8	ZC_NETNAME	Netname
(C)	FULLWORD	4	ZC_CONSLID	Console ID
(10)	CHARACTER	4	ZC_RMTNAME	Remote name
(14)	CHARACTER	4	ZC_SYSIDNT	Connection ID
(18)	CHARACTER	4	ZC_PRINTTO	Printer name
(1C)	CHARACTER	4	ZC_ALTPRINT	Alt printer name
(20)	CHARACTER	4	ZC_SPOOLTO_OLD	Old DOS spooler ID
(24)	CHARACTER	8	ZC_POOLID	Pool ID
(24)	ADDRESS	4	ZC_POOLPTR	Pool Pointer
(2C)	UNSIGNED	1	ZC_OPERPRI	Operator priority
(2D)	BITSTRING	3	*	Reserved
(30)	BITSTRING	8	*	Reserved
(38)	FULLWORD	4	ZC_NEPCLASS	NEP class
(3C)	FULLWORD	4	*	Reserved
(40)	CHARACTER	3	ZC_OPCLASS	Operator class
(43)	CHARACTER	3	ZC_OPERID	Operator ID
(46)	CHARACTER	4	ZC_TRANSACTION	Transaction ID
(4A)	CHARACTER	2	*	Reserved
(4C)	FULLWORD	4	ZC_TRMPRTY	Terminal Priority
(50)	FULLWORD	4	*	Reserved
(54)	CHARACTER	8	ZC_LDC	LDC
(5C)	UNSIGNED	1	ZC_PREBIND_SCR (4)	Pre Bind
(60)	CHARACTER	8	ZC_LOGMODE	Logmode
(68)	FULLWORD	4	ZC_PGESIZE_1	BMS Page size
(6C)	FULLWORD	4	ZC_PGESIZE_2	BMS Page size
(70)	FULLWORD	4	ZC_ALTPGE_1	BMS Alt page size
(74)	FULLWORD	4	ZC_ALTPGE_2	BMS Alt page size
(78)	CHARACTER	1	ZC_ALTSFX	BMS Alt suffix
(79)	CHARACTER	3	*	Reserved
(7C)	FULLWORD	4	ZC_TCTUAL	User area length
(80)	ADDRESS	4	ZC_MODE_PTR	Mode group pointer
(84)	FULLWORD	4	ZC_IOAREALEN	TIOA length
(88)	FULLWORD	4	ZC_CHAINMAX	Chain max
(8C)	UNSIGNED	2	ZC_CGCSGID_1	Graphic char set
(8E)	UNSIGNED	2	ZC_CGCSGID_2	Graphic char set
(90)	CHARACTER	2	ZC_PRINTERTYPE	Printer type
(92)	CHARACTER	2	*	Reserved
(94)	FULLWORD	4	ZC_TASKLIMIT	Task limit
(98)	CHARACTER	8	ZC_SPOOLDEST	DOS spool dest
(A0)	CHARACTER	1	*	Reserved
(A1)	CHARACTER	8	ZC_NETNAMEQ	Netname queue
(A9)	CHARACTER	3	*	Reserved
(AC)	FULLWORD	4	ZC_MAXSESS_1	Max sessions
(B0)	FULLWORD	4	ZC_MAXSESS_2	Max sessions
(B4)	CHARACTER	8	ZC_XSNAME	Security name

Offset Hex	Туре	Len	Name (Dim)	Description
(BC)	FULLWORD	4	ZC_POOLCNT	Pool count
(C0)	FULLWORD	4	ZC_MAXSESSCOUNT	Max session count
(C4)	CHARACTER	8	ZC_TITOKEN	Terminal token
(CC)	CHARACTER	8	ZC_MODENAME	Mode group name
(D4)	CHARACTER	8	ZC_SPOOLTO	DOS SPOOLTO name
(DC)	CHARACTER	1	ZC_NATLANG	National Language
(DD)	CHARACTER	8	ZC_PRT_NETNAME	MTS printer netname
(E5)	CHARACTER	8	ZC_APRT_NETNAME	MTS ALTPRT netname
(ED)	CHARACTER	8	ZC_CONSNAME	Console name
(F5)	CHARACTER	2	ZC_SENDCOUNT	Session SENCOUNT (MRO)
(F7)	CHARACTER	2	ZC_RECEIVECOUN	Session RECEIVECOUNT (MRO)
(F9)	CHARACTER	8	ZC_TOR_NETNAME	TOR Netname

Overlay for connection. Generally, if it ends in $_xxx_x$ (e.g. $_YES_x$) and the bit is on then the appropriate option will be set in the TCSE. If it only ends in _X and the bit is on then additional information will be contained in the fixed length parameter area whose value will be set in the TCSE.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	10	ZX_EXIST_BITS	Connection Existence bits overlay
	1		ZV NETNAME V	Reserved
	.1		ZX_NETNAME_X	Connection netname var exists
	1		ZX_XSNAME_X	Security name var exists
			ZX_USEDFLTU_YE_X	Use default user
	1 1		ZX_CONNAUTO_YE_X	Auto connect
	1.		ZX_ATTACHSE_LO_X	Attach security local
	1		ZX_ATTACHSE_VE_X	Attach security verify Data stream user
(1)	1		ZX_DATASTR_USE_X ZX_DATASTR_327_X	Data stream 3270
(1)	.1		ZX_DATASTR_SCS_X	Data stream SCS
	1		ZX_DATASTR_SCS_X ZX_DATASTR_STR_X	Data stream STR field
	1		ZX_DATASTR_STR_X ZX_DATASTR_LMS_X	Data stream LMS
	1		ZX RECFM U X	RECFM Undefined
	1		ZX_RECFM_VB_X	RECFM Variable blocked
	1.		ZX_CONNAUTO_AL_X	Autoconnect all
	1		ZX_OUTSERVI_YE_X	Out of service
(2)	1		ZX_TRANSACTION_X	Transaction ID var exists
(-)	.1		ZX_INTLOG_YES_X	Intlog
	1		ZX ACCMETH XM X	Cross Memory access method
	1		ZX_ATTACHSE_ID_X	Attach security ID
	1		*	Reserved
	1		ZX_TRANSIENT_X	Autoinstalled connection
	1.		ZX_RMTNAME_X	Remote name
	1		ZX_RMTSYSN_X	Remote system
(3)	1		ZX_BINDSECU_YE_X	Bind security on
	.1		ZX_BINDSECU_NO_X	Bind security off
	1		ZX_ATTACHSE_PE_X	Attach security Persistent
	1		ZX_ATTACHSE_MI_X	Attach security Mixed
(3)	BITSTRING	1	ZX_RESERVED_3XX	Reserved for rel 3.
(4)	1		ZX_PROTOCOL_EX_X	PROTOCOL=EXCI
	1		ZX_QUEUELIM_X	Allocate queuelimit
	1.		ZX_PSRECOVE_SY_X	PSRECOVERY = Sysdefault PSRECOVERY = None
(5)	1		ZX_PSRECOVE_NO_X ZX_SENDCOUNT_X	Session SENDCOUNT supplied
(3)	.1		ZX RECEIVECOUN X	Session RECEIVECOUNT
	1		ZX_RECEIVECOON_X ZX_CLONE_X	APPC clone
	1		ZX MAXQTIME X	Allocate queue time
	1		ZX_EXTENDED_NO_X	CBD, local sec allowed
	1		ZX EXTENDED YE X	CBD, NO local sec. allowed
	1.		ZX_CBDATTAC_NO_X	CBD, no CBD security
	1		ZX_CBDATTAC_AC_X	CBD, accepted protocol
(6)	1		ZX_CBDATTAC_RE_X	CBD, required protocol
	.1		ZX_RMTSYSNET_X	Netname of TOR
	1		ZX_TITOKEN_YES_X	token present
	1 1111		ZX_RESERVED_410	Reserved for rel 410
(7)	1		ZX_GR_X	Both sides GR registered
	.1		ZX_GRNAME_CONN_X	On = GR name connection
Off	= member name conn.			
	1		ZX_USE_OUR_MEM_X	Partner used our membername
	1		ZX_NETID_X	Network name present
	1		ZX_NETNAME2_X	GR or member name present
	1		ZX_CATLG_NO_X	Connection not catalogued
	1.		ZX_DELETE_X	Al implicitly deletable
	1	,	ZX_XLNACTIO_FO_X	XLNaction(force)
(8)	BITSTRING	1	ZX_RESERVED_510	Reserved for rel 510
(9)	BITSTRING	1	ZX_RESERVED_130	Reserved for rel 1.3

Fixed Length Variables for Connections

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	86	ZX_FIXED_VARS	Connection Variable fields overlay
(0)	CHARACTER	4	ZX_CONNECTION	Connection name
(4)	CHARACTER	4	ZX_INDSYS	Indirect system name
(8)	CHARACTER	8	ZX_NETNAME	Netname
(10)	CHARACTER	8	ZX_XSNAME	Security name
(18)	CHARACTER	8	*	Reserved
(20)	CHARACTER	4	ZX_TRANSACTION	Transaction ID
(24)	CHARACTER	4	ZX_RMTNAME	Remote name
(28)	CHARACTER	4	ZX_RMTSYSN	Remote system
(2C)	FULLWORD	4	ZX QUEUELIM	Allocate queue limit
(30)	CHARACTER	2	ZX SENDCOUNT	Session SENDCOUNT (MRO)
(32)	CHARACTER	2	ZX_RECEIVECOUN	Session RECEIVECOUNT (MRO)
(34)	HALFWORD	2	ZX_MAXQTIME	Allocate queue time
(36)	CHARACTER	8	ZX_RMTSYSNET	Netname of TOR
(3E)	CHARACTER	8	ZX_TITOKEN	terminal identification
(46)	CHARACTER	8	ZX_NETID	NETID of partner
(4E)	CHARACTER	8	ZX NETNAME2	Generic Resource or member name

Constants

Len	Туре	Value	Name	Description
4	DECIMAL	24		
4	DECIMAL	10		
4	DECIMAL	257		
4	DECIMAL	86		
4	DECIMAL	575	BPS_C_MAXSIZE	
4	DECIMAL	134	BPS_X_MAXSIZE	

TCP modules address list **ZEPD**

CONTROL BLOCK NAME = DFHZEPD
DESCRIPTIVE NAME = CICS TCP Modules Address List.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)			DFHZEPD	TCP MODULES ADDR LIST DSECT
(0)	ADDRESS	4	DFHZTDNA	00 TCP dispatcher entry address
(4)	ADDRESS	4	DFHZRWNA	01 APPL R/W request entry
(8)	ADDRESS	4	DFHZTSNA	02 Locate TCP service entry *
ST	ANDARD NAMES F	OR MODULES	3	
(0)	ADDRESS	4	DFHZDSPA	00 Dispatch module address
(4)	ADDRESS	4	DFHZARQA	01 READ/WRITE module address
(8)	ADDRESS	4	DFHZLOCA	02 LOCATE TCP module address
(C)	ADDRESS	4	DFHZDETA (0)	03 DETACH module address
(10) (10)	ADDRESS ADDRESS	4 4	DFHZBTNA (0) DFHZTCPA	04 Non-VTAM TCP entry point
(14)	ADDRESS	4	DITIZIOIA	05 Reserved
(18)	ADDRESS	4	DFHZCRQA	06 Command requests module address
(1C)	HALFWORD	2		Reserved
(1E)	HALFWORD	2	DFHZLENG	07 Length of ZEPD list
(20)	ADDRESS	4	DFHZSTUA	08 Status change module address
(24)	ADDRESS	4	DFHZTSPA	09 Terminal sharing module address
(28) (2C)	ADDRESS ADDRESS	4 4	DFHZHPXA DFHZISPA	0A HPO RPL executor ZHPRX address 0B ALLOCATE/FREE module address
(30)	ADDRESS	4	DFHZIS1A	OC Common IS/ZCP requests address
(34)	ADDRESS	4	DFHZIS2A	OD IS MM/BSC internal requests
(38)	ADDRESS	4	DFHZABDA	0E Invalid request or abend module address
(3C)	ADDRESS	4		0F Reserved
(40)	ADDRESS	4	DFHZATIA	10 Automatic transaction Initiation module address
(44)	ADDRESS	4	DFHZATTA	11 Attach task module address
(48) (4C)	ADDRESS ADDRESS	4 4	DFHZFREA DFHZGETA	12 Free storage module address 13 Get storage module address
<u> </u>	RVED EXTRA SPACE			To oct storage module address
KESEI		CE FOR NON-		
(50)	.1.1	4	ZEPDLENC	"*-DFHZEPD"
(50) (54)	ADDRESS ADDRESS	4 4	DFHZRACA DFHZRSTA	14 Receive any module address 15 RESETSR module address
(58)	ADDRESS	4	DFHZRVSA	16 Receive specific module address
(5C)	ADDRESS	4	DFHZRVXA	17 Receive specific exit module address
(60)	ADDRESS	4	DFHZSDSA	18 Send normal module address
(64)	ADDRESS	4	DFHZSDXA	19 Send data exit module address
(68)	ADDRESS	4	DFHZUCTA	1A Translation module address
(6C)	ADDRESS ADDRESS	4 4	DFHZUIXA DFHZACTA	1B User exit module address 1C Activate scan module address
(70) (74)	ADDRESS	4	DFHZSDRA	1D Send response module address
(78)	ADDRESS	4	DFHZHPSA	1E HPO send receive module address
(7C)	ADDRESS	4	DFHZRPLA	1F Receive Any Builder
(80)	ADDRESS	4	DFHZAITA	20 Attach initiation module address
(84)	ADDRESS	4	DFHZASXA	21 Asynchronous command exit module address
(88)	ADDRESS	4	DFHZCLSA	22 Close destination module address
(8C) (90)	ADDRESS ADDRESS	4 4	DFHZCLXA	23 Close destination exit module address 24 Reserved
(94)	ADDRESS	4	DFHZLEXA	25 LERAD exit module address
(98)	ADDRESS	4	DFHZLGXA	26 LOGON exit module adderss
(9C)	ADDRESS	4	DFHZLRPA	27 Logical record presentation module address
(A0)	ADDRESS	4	DFHZLTXA	28 LOSTERM exit module address
(A4)	ADDRESS	4	DFHZOPNA	29 Open destination module address
(A8) (AC)	ADDRESS ADDRESS	4 4	DFHZOPXA DFHZRAQA	2A Open destination exit module address 2B Read ahead queuing module address
(B0)	ADDRESS	4	DFHZRARA	2C Read ahead retrieval module address
(B4)	ADDRESS	4	DFHZRPXA	2D Response exit module address
(B8)	ADDRESS	4	DFHZRRXA	2E Release request exit module address
(BC)	ADDRESS	4	DFHZNSPA	2F Network services procedure exit address
(C0)	ADDRESS	4	DFHZRSYA	30 RESYNC module address
(C4) (C8)	ADDRESS ADDRESS	4 4	DFHZSAXA DFHZSCXA	31 Send asynchronous exit address 32 SCIP exit module address
(CC)	ADDRESS	4	DFHZSDAA	33 Send asynchronous command module address
(D0)	ADDRESS	4	DFHZSKRA	34 Send command response address
(D4)	ADDRESS	4	DFHZSESA	35 SESSIONC command module address
(D8)	ADDRESS	4	DFHZSEXA	36 SESSIONC exit module address
(DC)	ADDRESS	4	DFHZSIMA	37 SIMLOGON module address
(E0)	ADDRESS	4	DFHZSIXA	38 SIMLOGON exit module address
(E4) (E8)	ADDRESS ADDRESS	4 4	DFHZSLSA DFHZSSXA	39 SETLOGON start module address 3A Send synchronous command exit address
(EC)	ADDRESS	4	DFHZSYXA	3A Send synchronous command exit address 3B SYNAD exit module address
(F0)	ADDRESS	4	DFHZTAXA	3C TURNAROUND module address
(F4)	ADDRESS	4	DFHZTPXA	3D TPEND exit module address
(F8)	ADDRESS	4	DFHZOPAA	3E VTAM open ACB module address
(FC)	ADDRESS	4	DFHZSHUA	3F SHUTDOWN/RESERVED module address

Offset Hex	Туре	Len	Name (Dim)	Description
(100)	ADDRESS	4	DFHZQUEA	40 Process queue module address
(104)	ADDRESS	4	DFHZEMWA	41 Error message module address
(108)	ADDRESS	4	DFHZSYNA	42 SYNCHPOINT module address
(10C)	ADDRESS	4	DFHZTRAA	43 ZCP RPL trace module address
(110)	ADDRESS	4	DFHZANDA	44 Abend control block module
(114)	ADDRESS	4	DFHZCNAA	45 Console control module
(118)	ADDRESS	4	DFHZCNRA	46 Console request module
(11C)	ADDRESS	4	DFHZCNCA	47 Console abnormal condition module
(120)	ADDRESS	4	DFHZUAXA	48 Attach user exit
(124)	ADDRESS	4	DFHZUOXA	49 Output user exit
(128)	ADDRESS	4	DFHZARLA	4A LUS.2 APPL request module
(12C)	ADDRESS	4	DFHZARMA	4B LU6.2 migration module
(130)	ADDRESS	4	DFHZRVLA	4C LU6.2 RECV pre-vtam module
(134)	ADDRESS	4	DFHZRLXA	4D LU6.2 RECV exit module
(138)	ADDRESS	4	DFHZSDLA	4E LU6.2 SEND module
(13C)	ADDRESS	4	DFHZSLXA	4F LU6.2 SEND exit module
(140)	ADDRESS	4	DFHZERHA	50 LU6.2 APPL ERP module
(144)	ADDRESS	4	DFHZLUSA	51 LU6.2 LU services module
(148)	ADDRESS	4	DFHZBKTA	52 LU6.2 Bracket state machine
(14C)	ADDRESS	4	DFHZCNTA	53 LU6.2 Contention state
(150)	ADDRESS	4	DFHZCHSA	54 LU6.2 Chain send
(154)	ADDRESS	4	DFHZCHRA	55 LU6.2 Chain receive
(158)	ADDRESS	4	DFHZUSRA	56 LU6.2 Conversation state
(15C)	ADDRESS	4	DFHZDSTA	57 SNA-ASCII Translation module
(160)	ADDRESS	4	DFHZEV1A	58 Encryption validation 1
(164)	ADDRESS	4	DFHZEV2A	59 Encryption validation 2
(168)	ADDRESS	4		5A Reserved
(16C)	ADDRESS	4		5B Reserved
(170)	ADDRESS	4		5C Reserved
(174)	ADDRESS	4		5D Reserved
(178)	ADDRESS	4	DFHZXRCA	5E XRF terminal recovery
(17C)	ADDRESS	4		5F Reserved
(180)	ADDRESS	4	DFHZXRLA	60 LU6.2 Transaction Routing
(184)	ADDRESS	4	DFHZINTA	61 Initialisation Module
(188)	ADDRESS	4		62 Reserved
(18C)	ADDRESS	4	DFHZSTAA	63 LU6.2 Application State
(190)	ADDRESS	4	DFHZRLPA	64 LU6.2 RECV post-vtam module
(194)	ADDRESS	4	DFHZCRTA	65 LU6.2 RPL_B state
(198)	ADDRESS	4	DFHZRASA	66 LU 6.2 flooding module
(19C)	ADDRESS	4	DFHZXPSA	67 PRSS APPC recovery

If you add extra modules at this point dont forget to change DFHSIF1 MODLMAX field. Also add them in pairs because of the double word boundary below.

(1AU)	DBL WORD	8	(0)	
(1A0)			ZEPDLEN	
(1A0)			ZEPDLENV	

[&]quot;*-DFHZEPD" Total length
"ZEPDLEN-ZEPDLENC" VTAM length

ZGDC Domain subroutine equates

CONTROL BLOCK NAME = DFHZGDCC
DESCRIPTIVE NAME = CICS ZC domain subroutine constants FUNCTION = To contain constants in use by ZG domain subroutines such as trace point IDs and recovery routine constants. LIFETIME = STORAGE CLASS = INNER CONTROL BLOCKS = NOTES : DEPENDENCIES = S/370 RESTRICTIONS = MODULE TYPE = Control block definition EXTERNAL REFERENCES = DATA AREAS = CONTROL BLOCKS = GLOBAL VARIABLES (Macro pass) = Trace point identifiers DFHZCN1

Offset	Type	Len	Name (Dim)	Description
Hex				
2	HEX	3000	TID_ZCN1_ENTRY	@LDA
2	HEX	3001	TID_ZCN1_EXIT	@LDA
2	HEX	3002	TID ZCN1	
_	/	0002	INVALID_FUNCTION	
2	HEX	3003	TID ZCN1	
2	TILX	3003	PROTOCOL_VIOLATION	
2	LIEV	2004		
2	HEX	3004	TID_ZCN1_	
			DATA_LENGTH_ERROR	
2	HEX	3005	TID_ZCN1_	
			ZCN2_INSTALL_ERROR	
2	HEX	3006	TID_ZCN1_	@LDA
			ZCN2_UNINSTALL_ ERROR	
2	HEX	3007	TID_ZCN1_DISASTER	@LDA
2	HEX	3008	TID_ZCN1_ INVALID_START_	
			TYPE	
2	HEX	300A	TID_ZCN1_	
			INSTALL_CANCELLED	
2	HEX	300B	TID_ZCN1_	@LDA
-	TIEX	0000	INVALID_VERSION	elb/(
2	HEX	300C	TID_ZCN1_	
2	TILX	3000		
		2000	INVALID_PRINC_FAC	0.154
2	HEX	300D	TID_ZCN1_ INVALID_GROUP	@LDA
2	HEX	300E	TID_ZCN1_ INVALID_DATA	@LDA
2	HEX	300F	TID_ZCN1_ NO_CODEPAGE	@LDA
2	HEX	3040	TID_ZCN1_	@LDA
			NO_CAPABILITIES	
2	HEX	3041	TID_ZCN1_ CCIN_REMOTE	@LDA
DFHZC	'N'2			
DITIZO	1112			
2	HEX	3010	TID_ZCN2_ENTRY	@LDA
2	HEX	3011	TID_ZCN2_EXIT	@LDA
2	HEX	3014	TID ZCN2	
			INVALID_FUNCTION	
2	HEX	3015	TID_ZCN2_	@LDA
_			COND_ENQ_FAILED	9-2
2	HEX	3016	TID_ZCN2_	
2	TILX	3010	RECOVERY ENTERED	
2	HEX	3017	TID_ZCN2_	@LDA
2	ПЕХ	3017		@LDA
0	LIEV	0040	ACQ_PROG_FAILED	
2	HEX	3018	TID_ZCN2_	
_			CDTS_ATTACH_FAILED	
2	HEX	3019	TID_ZCN2_ CDTS_TIMEOUT	@LDA
2	HEX	301A	TID_ZCN2_ INVALID_CAPS	@LDA
2	HEX	301C	TID_ZCN2_	@LDA
			DEL_SURROG_BUSY	
DFHZC	`T1			
DITIZO	, i i			
2	HEX	3020	TID_ZCT1_ENTRY	@LDA
2	HEX	3021	TID_ZCT1_EXIT	@LDA
2	HEX	3022	TID_ZCT1_ RECEIVE_FAILED	@LDA
2	HEX	3023	TID_ZCT1_ INPUT_DATA	@LDA
2	HEX	3024	TID_ZCT1_ NOT_CLIENT	@LDA
2	HEX	3025	TID ZCT1_NOT_CEIENT	Q.207.
4	TILA	3023	CITS_ATTACH_FAILED	
2	LIEV	2000		@LDA
2	HEX	3026	TID_ZCT1_DUP_FOUND	@LDA

Offset	Type	Len	Name (Dim)	Description
Hex	LIEV	2007	TID ZOTA OITO TIMEOLIT	el Da
2 2	HEX HEX	3027 3028	TID_ZCT1_ CITS_TIMEOUT	@LDA
2	ПЕХ	3028	TID_ZCT1_ CDTS_ATTACH_FAILED	
2	HEX	3029	TID_ZCT1_ CDTS_TIMEOUT	@LDA
2	HEX	302A	TID_ZCT1_ INVALID_START_	S LDA
-		00271	TYPE	
2	HEX	302B	TID ZCT1	
			INVALID_SYNC_LEVEL	
2	HEX	302C	TID_ZCT1_ LOGIC_ERROR	@LDA
2	HEX	302D	TID_ZCT1_	
			DATA_LENGTH_ERROR	
2	HEX	302E	TID_ZCT1_	@LDA
0	LIEV	0005	INS_SURROG_BUSY	el Da
2	HEX	302F	TID_ZCT1_	@LDA
2	HEX	3030	DEL_SURROG_BUSY TID_ZCT1_ CITS_ABEND	@LDA
2	HEX	3031	TID_ZCT1_ CITS_ABEND	@LDA
-		0001	GET_BPS_FAILED	025/1
2	HEX	3032	TID_ZCT1_	
			INVALID_PRINC_FAC	
2	HEX	3033	TID_ZCT1_ INVALID_DATA	@LDA
2	HEX	3034	TID_ZCT1_	
			INVALID_FUNCTION	
2	HEX	3035	TID_ZCT1_	
2	LIEV	2020	INVALID_CODEPAGE	@LDA
2	HEX	3036	TID_ZCT1_ WRONG VERSION	@LDA
2	HEX	3037	TID_ZCT1_	@LDA
_		5057	NETNAME MISSING	w==::
2	HEX	3038	TID_ZCT1_	@LDA
			CODEPAGE_CONVERSION_	
			F	
2	HEX	3039	TID_ZCT1_ CTIN_REMOTE	@LDA
DFHCC	NV3			
2		2050	TID CCNI/3	
2	HEX	3050	TID_CCNV3_ CHK_CL_CP_ENTRY	
2	HEX	3051	TID_CCNV3_	@LEA
-		0001	CHK_CL_CP_EXIT	GEE.
2	HEX	3052	TID_CCNV3_	
			CHK_CONV_SUP_ENTRY	
2	HEX	3053	TID_CCNV3_	
			CHK_CONV_SUP_EXIT	
2	HEX	3054	TID_CCNV3_ENTRY	@LEA
2	HEX	3055	TID_CCNV3_EXIT	@LEA
2 2	HEX HEX	3056	TID_CCNV3_INV_FUNCTION	@LEA @LIC
2	HEX	3057 3058	TID_CCNV3_ 3270_ENTRY TID_CCNV3_ DS3270_ENTRY	@LIC
2	HEX	3059	TID_CCNV3_ DS3270_EXIT	@LIC
2	HEX	305A	TID_CCNV3_ 3270_EXIT	@LIC
2	HEX	305B	TID_CCNV3_	@LIC
			3270_LEN_ZERO	
2	HEX	305C	TID_CCNV3_ BAD_TARGET	@LIC
2	HEX	305D	TID_CCNV3_	@LIC
		2055	TOKEN_CKR_BAD	0110
2	HEX	305E	TID_CCNV3_	@LIC
2	HEX	305F	TOKEN_CLX_BAD TID_CCNV3_	@LIC
2	TILA	3031	TOKEN_SRX_BAD	elic .
2	HEX	3060	TID_CCNV3_	
			SBCSTOK_CHAR_BAD	
2	HEX	3061	TID_CCNV3_ 3270_SBA_BAD	@LIC
2	HEX	3062	TID_CCNV3_ 3270_SF_BAD	@LIC
2	HEX	3063	TID_CCNV3_	@LIC
_	HEY	2007	3270_SFEMF_BAD	euo.
2 2	HEX HEX	3064 3065	TID_CCNV3_ 3270_SA_BAD TID_CCNV3_ 3270_RA_BAD	@LIC @LIC
2	HEX	3066	TID_CCNV3_ 3270_RA_BAD TID_CCNV3_	@LIC
2	TILA	3000	3270_GE_UNSUP	elio elio
2	HEX	3067	TID CCNV3 3270 EUA BAD	@LIC
2	HEX	3068	TID_CCNV3_	@LIC
			AID3270_ENTRY	
2	HEX	3069	TID_CCNV3_ AID3270_EXIT	@LEA
2	HEX	306A	TID_CCNV3_	@LEA
_	1.1537		BAD_AID_TARGET	ALIA.
2	HEX	306B	TID_CCNV3_	@LIA
			FREE_CONV_TOKEN_ ENTRY	
2	HEX	306C	TID_CCNV3_	@LIA
2	· ILA	3000	FREE_CONV_TOKEN_ EXIT	© Eu /
2	HEX	306D	TID_CCNV3_	
_			GETMAIN_FAILURE	
2	HEX	306E	TID_CCNV3_	
			FREEMAIN_FAILURE	
2	HEX	306F	TID_CCNV3_	@LIA
			SBA_TOO_HIGH	

Offset Hex	Туре	Len	Name (Dim)	Description
2	HEX	3070	TID_CCNV3_	
2	HEX	3071	DBCS_MAP_BEFORE TID_CCNV3_	@LIA
2	HEX	3072	DBCS_MAP_AFTER TID_CCNV3_	@LIA
2	HEX	3073	GET_CONV_TOKEN_ ENTRY TID_CCNV3_	@LIA
			GET_CONV_TOKEN_ EXIT	
2	HEX	3074	TID_CCNV3_ TOKEN_ADDR_BAD	@LIA
2	HEX	3075	TID_CCNV3_ 3270_CONV_LEN_ ZERO	
DFHZG	iAl			
2	HEX	FA00	TID_ZGAI_ENTRY	@D1A
2 2	HEX HEX	FA01 FA02	TID_ZGAI_EXIT TID_ZGAI_ INVALID_FORMAT	@D1A @D1A
2	HEX	FA03	TID_ZGAI_	
2	HEX	FA04	INVALID_FUNCTION TID_ZGAI_	
2	HEX	FA05	RECOVERY_ENTERED TID_ZGAI_	@D1A
2	HEX	FA06	USEREXIT_ENTRY	@D1A
2	HEX	FA07	TID_ZGAI_ USEREXIT_EXIT TID_ZGAI_ USER_VETOED	@D1A
2	HEX	FA08	TID_ZGAI_	@D1A
2	HEV	FA09	NO_TEMPLATE_SUPPLIED	@D1A
2	HEX HEX	FA0A	TID_ZGAI_ SYSID_INVALID TID_ZGAI_	@D1A
0	UEV	FAOD	SYSID_ALREADY_ EXISTS	
2	HEX	FA0B	TID_ZGAI_ TEMPLATEN_NOT_ FOUND	
2	HEX	FA0C	TID_ZGAI_ TEMPLATES_NOT_ FOUND	
2	HEX	FA0D	TID_ZGAI_ NOT_APPC_TEMPLATE	
2	HEX	FA0E	TID_ZGAI_ TEMPLATE_NOT_PS	@D1A
2	HEX	FA0F	TID_ZGAI_ TEMPLATE_NOT_SS	@D1A
2	HEX	FA10	TID_ZGAI_	
2	HEX	FA11	MODENAME_MISMATCH TID_ZGAI_ SYSID_INQUIRE_	@D1A
2	HEX	FA12	FAILED TID_ZGAI_	@D1A
2	HEX	FA13	SESSION_INQUIRE_ FAILED TID_ZGAI_	@D1A
2	HEX	FA14	TEMPLATE_NO_MODEGROUP TID_ZGAI_	@D1A
2	HEX	FA15	OUT_OF_SERVICE TID_ZGAI_	@D1A
			BINDUD_PLUNAME_ MISSING	
2	HEX	FA16	TID_ZGAI_ BINDUD_MODENAME_	@D1A
			MISSING	
2	HEX	FA18	TID_ZGAI_ SESSID_MISSING	@D1A
2	HEX	FA19	TID_ZGAI_ PLUNAME_MISSING	@D1A
2	HEX	FA1A	TID_ZGAI_ PLU_EQ_SLU	@D1A
2	HEX	FA1B	TID_ZGAI_ SEED_EXPECTED	@D1A
2	HEX	FA1C	TID_ZGAI_SEED_LONG	@D1A
2	HEX	FA1D	TID_ZGAI_ SEED_UNEXPECTED	@D1A
2	HEX	FA1E	TID_ZGAI_	@D1A
2	HEX	FA1F	NOT_NEGOTIABLE TID_ZGAI_1RY_RU_0	@D1A
2	HEX	FA20	TID_ZGAI_TKT_K0_0 TID_ZGAI_2RY_RU_0	@D1A
2	HEX	FA21	TID_ZGAI_	@D1A
2	HEX	FA22	ACC_SEC_INVALID TID_ZGAI_	@L6A
			SEED_AND_NONCE	
2 2	HEX HEX	FA23 FA24	TID_ZGAI_ NONCE_LENGTH TID_ZGAI_	@L6A @L6A
			NONCE_REQUIRED	
2	HEX	FA25	TID_ZGAI_ MECHANISM_SHORT	@L6A
2	HEX	FA26	TID_ZGAI_	@L6A
2	HEX	FA27	NO_MECHANISMS TID_ZGAI_	
			MECHANISM_REQUIRED	
DFHZG				
2 2	HEX HEX	FA30 FA31	TID_ZGXA_ENTRY TID_ZGXA_EXIT	@L5A @L5A
4	1127	1 / 31	IID_ZOAA_LAII	920/

	_			
Offset Hex	Type	Len	Name (Dim)	Description
2	HEX	FA32	TID_ZGXA_ INVALID_FORMAT	@L5A
2	HEX	FA33	TID_ZGXA_ INVALID_FUNCTION	
2	HEX	FA34	TID_ZGXA_ RECOVERY_ENTERED	
2	HEX	FA35	TID_ZGXA_ 12F6_MISSING	@L5A
2	HEX	FA36	TID_ZGXA_ 12F6_LENGERR	@L5A
2	HEX	FA37	TID_ZGXA_	@L5A
2	LIEV	E420	RECEIVE_FAILED	@LEA
2 2	HEX HEX	FA38 FA39	TID_ZGXA_ FF80_MISSING TID ZGXA FF80 LENGERR	@L5A @L5A
2	HEX	FA3A	TID_ZGXA_	© 2011
			FF80_MECH_ID_ERR	
2	HEX	FA3B	TID_ZGXA_ FF81_MISSING	@L5A
2 2	HEX HEX	FA3C FA3D	TID_ZGXA_ FF81_LENGERR TID_ZGXA_	@L5A @L5A
_			DELEG_NO_TICKET	
2	HEX	FA3E	TID_ZGXA_ FF82_LENGERR	@L5A
2 2	HEX HEX	FA3F FA40	TID_ZGXA_ FF83_LENGERR TID_ZGXA_ FF84_LENGERR	@L5A @L5A
2	HEX	FA41	TID ZGXA_TT 64_LENGERR	@ LUA
=			DUPLICATE_SUBFIELD	
2	HEX	FA42	TID_ZGXA_	
2	HEX	FA43	INVALID_SUBFIELD TID ZGXA	@L5A
2	TILX	1745	TICKET NO AUTH	© LUN
2	HEX	FA44	TID_ZGXA_	
0	LIEV	EA 45	AUTH_REQD_BY_USER	QUEA
2 2	HEX HEX	FA45 FA46	TID_ZGXA_ TICKET_MISSING TID_ZGXA_ INVALID_TICKET	@L5A @L5A
2	HEX	FA47	TID_ZGXA_	@L5A
			SERVICE_TICKET_ EXPIRED	
2	HEX	FA48	TID_ZGXA_	@L5A
2	HEX	FA49	INVALID_AUTHENTICATOR TID_ZGXA_ SIGNON_FAILED	@L5A
2	HEX	FA4A	TID_ZGXA_ FMH5_12F6_OUT	@L5A
2	HEX	FA4B	TID_ZGXA_12F6_IN	@L5A
2	HEX	FA4C	TID_ZGXA_ SENDBUF_TOO_SMALL	
2	HEX	FA4D	TID_ZGXA_ SEND_FAILED	@L5A
2	HEX	FA4E	TID_ZGXA_	@L5A
	UEV	EA 4E	MUTUAL_NO_AUTH	
2	HEX	FA4F	TID_ZGXA_ DAISY_CHAIN_ERROR1	
DFHZG	CH			
2	HEX	FA50	TID_ZGCH_ENTRY	@LBA
2	HEX	FA51	TID_ZGCH_ENTKT	@LBA
2	HEX	FA52	TID_ZGCH_	
0	LIEV	E450	BEFORE_CHANGE_ MACRO	
2	HEX	FA53	TID_ZGCH_ AFTER_CHANGE_MACRO	
2	HEX	FA54	TID_ZGCH_	
			CHANGE_MACRO_FAILED	
2	HEX	FA55	TID_ZGCH_ RECOVERY_ENTERED	
2	HEX	FA56	TID_ZGCH_	
			ENDAFFIN_REJECTED	
2	HEX	FA57	TID_ZGCH_	@LBA
2	HEX	FA58	INVALID_FORMAT TID_ZGCH_	
			INVALID_FUNCTION	
2	HEX	FA59	TID_ZGCH_ ZGTA_FAILED	@LCA
DFHZG	TI			
2	HEX	FA60	TID_ZGTI_ENTRY	@L7A
2	HEX	FA61	TID_ZGTI_EXIT	@L7A
2 2	HEX HEX	FA62 FA63	TID_ZGTI_ INVALID_FORMAT TID_ZGTI	@L7A
2	TILX	1 700	INVALID_FUNCTION	
2	HEX	FA64	TID_ZGTI_	
_	LIEV.		RECOVERY_ENTERED	0174
2 2	HEX HEX	FA65 FA66	TID_ZGTI_ TERMID_INVALID TID_ZGTI_ SYSID_INVALID	@L7A @L7A
2	HEX	FA67	TID_ZGTI_ SYSID_INVALID	@L7A @L7A
			NETNAME_INVALID	
2	HEX	FA68	TID_ZGTI_ TOKEN_INVALID	@L7A
2 2	HEX HEX	FA69 FA6A	TID_ZGTI_TMP_ERROR TID_ZGTI_ DOMAIN_INVALID	@L7A @L7A
2	HEX	FA6B	TID_ZGTI_ DOMAIN_INVALID	SEIN
			INVALID_VTAM_ONLY	
2	HEX	FA6C	TID_ZGTI_ UNIQUE_INVALID	@L7A
2 2	HEX HEX	FA6D FA6E	TID_ZGTI_ GETMAIN_FAILED TID_ZGTI_	@L7A @L7A
-	^	17.02	FREEMAIN_FAILED	

Offset Hex	Туре	Len	Name (Dim)	Description
2	HEX	FA6F	TID_ZGTI_PURGED	@L7A
2	HEX	FA70	TID_ZGTI_ ISYSID_INVALID	@L7A
2	HEX	FA71	TID_ZGTI_ RSYSID_INVALID	@L7A
2	HEX	FA72	TID_ZGTI_ MBRNAME_INVALID	@LCA
DFHZG	STA			
2	HEX	FA80	TID_ZGTA_ENTRY	@L9A
2 2	HEX HEX	FA81 FA82	TID_ZGTA_EXIT TID_ZGTA_	@L9A @L9A
_	TIEX	17102	INVALID_FORMAT	© E.O. (
2	HEX	FA83	TID_ZGTA_	
			INVALID_FUNCTION	
2	HEX	FA84	TID_ZGTA_	
2	HEX	FA85	RECOVERY_ENTERED TID_ZGTA_ TERMID_INVALID	@L9A
2	HEX	FA86	TID_ZGTA_ SYSID_INVALID	@L9A
2	HEX	FA87	TID_ZGTA_	@L9A
		F4.00	NETNAME_INVALID	0104
2 2	HEX HEX	FA88 FA89	TID_ZGTA_ ISYSID_INVALID TID_ZGTA_ UNIQUE_INVALID	@L9A @L9A
2	HEX	FA8A	TID_ZGTA_ ONIQUE_INVALID TID_ZGTA_ RSYSID_INVALID	@L9A
2	HEX	FA8B	TID_ZGTA_TMP_ERROR	@L9A
2	HEX	FA8C	TID_ZGTA_	@L9A
	LIEV.	F40B	DOMAIN_INVALID	0104
2 2	HEX HEX	FA8D FA8E	TID_ZGTA_PURGED TID_ZGTA_ERROR	@L9A @L9A
2	HEX	FA8F	TID_ZGTA_ERROR TID_ZGTA_DISASTER	@L9A
2	HEX	FA90	TID_ZGTA_ INVALID_RRAB	@L9A
2	HEX	FA91	TID_ZGTA_ INQ_FAILED	@L9A
2	HEX	FA92	TID_ZGTA_RDUB_GET	@L9A
2	HEX	FA93	TID_ZGTA_RDUB_FREE	@L9A
2 2	HEX HEX	FA94 FA95	TID_ZGTA_ INVALID_RDAB TID_ZGTA_ INVALID_RDUB	@L9A @L9A
2	HEX	FA96	TID_ZGTA_ INVALID_RDOD	© LUA
			UNKNOWN_RRAB_RESP	
2	HEX	FA97	TID_ZGTA_NO_RRAB	@L9A
2	HEX	FA98	TID_ZGTA_ ZGTI_ERROR	@L9A
2	HEX	FA99	TID_ZGTA_ MBRNAME_INVALID	@LCA
2	HEX	FA9A	TID_ZGTA_	@LCA
			MBRNAME_ERROR	
DFHZG	SIN			
2	HEX	FAB0	TID_ZGIN_ENTRY	@D4A
2	HEX	FAB1	TID_ZGIN_EXIT	@D4A
2	HEX	FAB2	TID_ZGIN_	@ D4A
2	HEV	EAD2	BEFORE_INQUIRE_ MACRO	
2	HEX	FAB3	TID_ZGIN_ AFTER_INQUIRE_ MACRO	
2	HEX	FAB4	TID_ZGIN_	
			INQUIRE_NQN_FAILED	
2	HEX	FAB5	TID_ZGIN_	@ D4A
			INQUIRE_SESSNAME_ FAILED	
2	HEX	FAB6	TID_ZGIN_	
			RECOVERY_ENTERED	
2	HEX	FAB7	TID_ZGIN_ NQN_REJECTED	@ D4A
2	HEX	FAB8	TID_ZGIN_ SESSNAME REJECTED	
2	HEX	FAB9	TID ZGIN INVALID FORMAT	@D4A
2	HEX	FABA	TID_ZGIN_	
			INVALID_FUNCTION	
DFHZG	BM			
2	HEX	FB00	TID_ZGBM_ENTRY	
2	HEX	FB01	TID_ZGBM_EXIT	
2	HEX	FB03	TID_ZGBM_	
0	LIEV	ED04	INVALID_FUNCTION	
2	HEX	FB04	TID_ZGBM_ RECOVERY ENTERED	
2	HEX	FB05	TID_ZGBM_ BITMAP_INVALID	
2	HEX	FB06	TID_ZGBM_	
			SESSION_NAME_INVALID	
2	HEX	FB07	TID_TCRP_	@LFC
			NO_BITMAP_STG	
DFHZG	SRP			
2	HEX	FB10	TID_ZGRP_ENTRY	
2 2	HEX HEX	FB11 FB12	TID_ZGRP_EXIT TID_ZGRP_	
2	IIEA	FDIZ	QR_SWITCH_FAILED	
2	HEX	FB13	TID_ZGRP_	
			INQ_INSUFF_STORAGE	
2	HEX	FB14	TID_ZGRP_ RECOVERY_ENTERED	
			NEOOVERT _ENTERED	

0#	T		Name (Dim)	Paradata
Offset Hex	Туре	Len	Name (Dim)	Description
2	HEX	FB15	TID_ZGRP_ OPNDST_INSUFF_ STORAGE	
2	HEX	FB16	TID_ZGRP_ RPL_INSUFF_STORAGE	
2	HEX	FB17	TID_ZGRP_ INVALID_FORMAT	
2	HEX	FB18	TID_ZGRP_ INVALID_FUNCTION	
2	HEX	FB19	TID_ZGRP_ INVALID_STARTUP_ TYPE	
2 2	HEX HEX	FB1A FB1B	TID_ZGRP_VTAM_SOS TID_ZGRP_ INQUIRE_FAILED	
2	HEX	FB1C	TID_ZGRP_	
			INQUIRE_ACB_CLOSED	
2	HEX	FB1D	TID_ZGRP_ OPNDST_ACB_CLOSED	
2 2	HEX HEX	FB1E FB1F	TID_ZGRP_ UNBIND_ERROR TID_ZGRP_ BIND_INVALID	
2	HEX	FB20	TID_ZGRP_ DIND_INVALID TID_ZGRP_ OPNDST_FAILED	
2	HEX	FB21	TID_ZGRP_	
2	TIEX	1021	NO_STORAGE_OPNDST_ APPC	
2	HEX	FB22	TID_ZGRP_ NO_STORAGE_OPNDST	
2	HEX	FB23	TID_ZGRP_RA_FAILED	
2	HEX	FB24	TID_ZGRP_NIB	@P5A
2	HEX	FB25	TID_ZGRP_ NIB_MISMATCH	
2	HEX	FB26	TID_ZGRP_ RA GETMAIN FAILED	
2	HEX	FB27	TID_ZGRP_ BEFORE INQUIRE COUNTS	
2	HEX	FB28	TID_ZGRP_ AFTER INQUIRE COUNTS	
2	HEX	FB29	TID_ZGRP_ BEFORE_INQUIRE_	
2	HEX	FB2A	PERSESS TID_ZGRP_	
2	HEX	FB2B	AFTER_INQUIRE_ PERSESS TID_ZGRP_	
2	HEX	FB2C	BEFORE_OPNDST TID_ZGRP_ AFTER_OPNDST	
2	HEX	FB2D	TID_ZGRP_BEFORE_RA	
2	HEX	FB2E	TID_ZGRP_AFTER_RA	
2	HEX	FB2F	TID_ZGRP_ BEFORE_INQ_EXECRPL	
2	HEX	FB30	TID_ZGRP_ AFTER_INQ_EXECRPL	
2	HEX	FB31	TID_ZGRP_ BEFORE_OPN_EXECRPL	
2	HEX	FB32	TID_ZGRP_ AFTER_OPN_EXECRPL	
2	HEX	FB33	TID_ZGRP_ BEFORE_RA_EXECRPL	
2	HEX	FB34	TID_ZGRP_ AFTER_RA_EXECRPL	
2	HEX	FB35	TID_ZGRP_ MBRNAME_ERROR	
DFHZC	GRP			
2 2	HEX	FB38 FB39	TID_ZCGRP_ENTRY TID_ZCGRP_EXIT	
DFHZG	HEX	FD39	IID_ZCGRF_EAII	
2	HEX	FB40	TID_ZGUB_ENTRY	
2	HEX	FB41	TID_ZGUB_EXIT	
2	HEX	FB42	TID_ZGUB_	
2	HEX	FB43	INVALID_FORMAT TID_ZGUB_	
2	HEX	FB44	RECOVERY_ENTERED TID_ZGUB_	
2	HEX	FB45	INVALID_FUNCTION TID_ZGUB_ ACB_CLOSED	
2	HEX	FB46	TID_ZGUB_ UNBIND_FAILED	
2	HEX	FB47	TID_ZGUB_VTAM_SOS	
2	HEX	FB48	TID_ZGUB_ UNBIND_ERROR	
2	HEX	FB49	TID_ZGUB_ BEFORE_CLSDST	
2	HEX	FB4A	TID_ZGUB_ AFTER_CLSDST	
2	HEX	FB4B	TID_ZGUB_	
			BEFORE_TERMSESS	
2	HEX	FB4C	TID_ZGUB_ AFTER_TERMSESS	
2	HEX	FB4D	TID_ZGUB_ BEFORE_UNBIND_ EXECRPL	
2	HEX	FB4E	TID_ZGUB_ AFTER_UNBIND_EXECRPL	

Offset Hex	Туре	Len	Name (Dim)	Description
DFHZG	SL			
2		EDE?	TID 7001 FNTDV	
2	HEX HEX	FB50 FB51	TID_ZGSL_ENTRY TID_ZGSL_EXIT	
2	HEX	FB52	TID_ZGSL_ BEFORE_SETLOGON_P	
2	HEX	FB53	TID_ZGSL_ AFTER_SETLOGON_P	
2	HEX	FB54	TID_ZGSL_ BEFORE_SETLOGON_ NP	
2	HEX	FB55	TID_ZGSL_ AFTER_SETLOGON_NP	
2	HEX	FB57	TID_ZGSL_ RECOVERY_ENTERED	
2	HEX	FB58	TID_ZGSL_ INVALID_FUNCTION	
2	HEX	FB59	TID_ZGSL_ INVALID_FORMAT	
2	HEX	FB5A	TID_ZGSL_ INVALID_PSDI_VALUE	
2	HEX	FB5B	TID_ZGSL_ SETLOGON_FAILED	
DFHZG	CC			
2	HEX	FB60	TID_ZGCC_ENTRY	@L1A
2	HEX	FB61	TID_ZGCC_EXIT	@L1A
2	HEX	FB62	TID_ZGCC_	@L1A
2	HEX	FB63	INVALID_FORMAT TID_ZGCC_	
2	HEX	FB64	INVALID_FUNCTION TID_ZGCC_	
		1 004	RECOVERY_ENTERED	
DFHZG	PC			
2	HEX	FB65	TID_ZGPC_ENTRY	@L1A
2	HEX	FB66	TID_ZGPC_EXIT	@L1A
2	HEX	FB67	TID_ZGPC_ INVALID_FORMAT	@L1A
2	HEX	FB68	TID_ZGPC_ INVALID_FUNCTION	
2	HEX	FB69	TID_ZGPC_ RECOVERY_ENTERED	
2	HEX HEX	FB6A FB6B	TID_ZGPC_ BIND_MISMATCH TID_ZGPC_ NO_SESSION_AVAILABLE	@L1A @L1A
DFHZX	RC			
2	HEX	FB70	TID_ZXRC_V29_DATA	@L3A
DFHZG	DA			
		ED74	TID ZODA ENTDY	@L2A
2 2	HEX HEX	FB71 FB72	TID_ZGDA_ENTRY TID_ZGDA_EXIT	@L3A @L3A
2	HEX	FB73	TID_ZGDA_EXTI TID_ZGDA_ INVALID_FUNCTION	SECO
2	HEX	FB74	TID_ZGDA_ INVALID_FORMAT	@L3A
2	HEX	FB75	TID_ZGDA_ SENSE_088B_RECEIVED	
2	HEX	FB76	TID_ZGDA_ INVALID_PRSS_STATUS	
2	HEX	FB77	TID_ZGDA_ RECEIVE FAILED	@L3A
2	HEX	FB78	TID_ZGDA_ UNEXPECTED_RESPONSE	
2	HEX	FB79	TID_ZGDA_ BAD_BRACKET_STATE_ SEND	@L3A
2	HEX	FB7A	TID_ZGDA_ BAD_BRACKET_STATE_ REC	@L3A
2	HEX	FB7B	TID_ZGDA_ NO STORAGE FMH7	@L3A
2	HEX	FB7C	TID_ZGDA_RECOVERY	@L3A
2	HEX	FB7D	TID_ZGDA_ UNEXPECTED BR STATE	
2	HEX	FB7E	TID_ZGDA_ INVALID_TCTTE_PTR	
2	HEX	FB7F	TID_ZGDA_ RECOVERY_ENTERED	
2	HEX	FB80	TID_ZGDA_ UNEXPECTED_CH_ STATE	
	001.0		SALA LOTED_OIL STATE	
	GSL Generic resource			
2	HEX	FB87	TID_ZGSL_ BEFORE_NIB_INIT	@D2A
2	HEX	FB88	TID_ZGSL_ AFTER_NIB_INIT	@D2A

Offset	Туре	Len	Name (Dim)	Description
Hex 2	HEX	FB89	TID_ZGSL_	
-	TIEX	1 200	BEFORE_ADD_GRNAME	
2	HEX	FB8A	TID_ZGSL_	
2	HEX	FB8B	AFTER_ADD_GRNAME TID_ZGSL_	@D2A
_	TIEX	1 000	BEFORE_DELETE_ GRNAME	© DZA
2	HEX	FB8C	TID_ZGSL_	
2	HEX	FB8D	AFTER_DELETE_GRNAME TID_ZGSL_ NIB_INIT_FAILED	@D2A
2	HEX	FB8E	TID_ZGSL_ NIB_INIT_FAILED	@ DZA
			ADD_GRNAME_FAILED	
2	HEX	FB8F	TID_ZGSL_ DELETE_GRNAME_ FAILED	@D2A
			DELETE_GRINAIVIE_ FAILED	
DFHZLS				
2	HEX	FB90	TID_ZLS1_ENTRY	@L2A
2 2	HEX HEX	FB91 FB92	TID_ZLS1_EXIT TID_ZLS1_ INVALID_START_	@L2A
			TYPE	
2	HEX	FB93	TID_ZLS1_ IC_GET_FAILED	@L2A
2 2	HEX HEX	FB94 FB95	TID_ZLS1_ INVALID_FORMAT TID_ZLS1_	@L2A
			INVALID_FUNCTION	
2	HEX	FB96	TID_ZLS1_ NO_RECV_DATA	@L2A
2	HEX	FB97	TID_ZLS1_ INVALID_RECV_DATA	
DFHZG	CN			
		EDAO	TID ZOON ENTRY	@LQA
2 2	HEX HEX	FBA0 FBA1	TID_ZGCN_ENTRY TID_ZGCN_EXIT	@L2A @L2A
2	HEX	FBA2	TID_ZGCN_	@L2A
			ADD_LOCK_FAILED	
2	HEX	FBA3	TID_ZGCN_ ALLOCATE_FAILED	@L2A
2	HEX	FBA4	TID_ZGCN_ ALREADY_SHUT	@L2A
2	HEX	FBA5	TID_ZGCN_	@L2A
	LIEV	EDAG	CNOS_IMPOSSIBLE	@LOA
2	HEX	FBA6	TID_ZGCN_ GET_LOCK_FAILED	@L2A
2	HEX	FBA7	TID_ZGCN_ IN_SHUTDOWN	@L2A
2	HEX	FBA8	TID_ZGCN_	@L2A
2	HEX	FBA9	INVALID_FORMAT TID_ZGCN_	
2	ПЕХ	FBA9	INVALID_FUNCTION	
2	HEX	FBAA	TID_ZGCN_	
2	LIEV	EDAD	INVALID_MODENAME	@LOA
2	HEX HEX	FBAB FBAC	TID_ZGCN_ INVALID_SYSID TID_ZGCN_	@L2A @L2A
			NO_TCME_FOUND	 -
2	HEX	FBAD	TID_ZGCN_	@L2A
2	HEX	FBAE	NO_TCTE_FOUND TID ZGCN	
-		. 27.12	RACE_IN_SHUTDOWN	
2	HEX	FBAF	TID_ZGCN_	@L2A
2	HEX	FBB0	RECEIVE_FAILED TID_ZGCN_	
-	TIEX	1 000	RECOVERY_ENTERED	
2	HEX	FBB1	TID_ZGCN_ SEND_FAILED	@L2A
2	HEX	FBB2	TID_ZGCN_ SINGLE_SESS_ERROR	
2	HEX	FBB3	TID_ZGCN_	@L2A
			SYSID_NOT_FOUND	
2	HEX	FBB4	TID_ZGCN_ TCSE_ERROR	@L2A
2	HEX	FBB5	TID_ZGCN_ CNOS_COMMAND_OUT	
2	HEX	FBB6	TID_ZGCN_	@L2A
	LIEV	500-	CNOS_COMMAND_IN	OLO.
2	HEX	FBB7	TID_ZGCN_ CNOS_REPLY_OUT	@L2A
2	HEX	FBB8	TID_ZGCN_	@L2A
			CNOS_REPLY_IN	
DFHZG	CA			
2	HEX	FBC0	TID_ZGCA_ENTRY	@L2A
2	HEX	FBC1	TID_ZGCA_EXIT	@L2A
2 2	HEX HEX	FBC2 FBC3	TID_ZGCA_ ENTRY_LEVEL2 TID_ZGCA_ EXIT_LEVEL2	@L2A @L2A
2	HEX	FBC4	TID_ZGCA_ EXIT_LEVEL2 TID_ZGCA_	@L2A @L2A
			CURRENT_COUNTS	
2 2	HEX HEX	FBC5 FBC6	TID_ZGCA_TC_MATRIX	@L2A
2	IILA	FBC0	TID_ZGCA_ RECOVERY_ENTERED	
2	HEX	FBC7	TID_ZGCA_	@L2A
2	HEV	EDCO	INVALID_FORMAT	
2	HEX	FBC8	TID_ZGCA_ INVALID_FUNCTION	
			=	

PROFITE PROF	Offset Hex	Туре	Len	Name (Dim)	Description
HEX		HEX	FBC9		
2 HEX	DFHZXF	PS			
2 HEX	2	HEX	FBD0	TID ZXPS ENTRY	@L3A
2 HEX FB00 TD_ZAPS_ MISSING TD_ZAPS_ TD_ZAPS_ MISSING TD_					
2 HEX FBD 100_2078_ 2 HEX FBD 100_2078_ 2 HEX FBD 100_2078_ 3 HEX FBD 100_2078_ 2 HEX FBD 100_2078_ 3 HEX FBD 100_2078_ 3 HEX FBD 100_2078_ 4 HEX FBD 100_2078_ 4 HEX FBD 100_2078_ 4 HEX FBD 100_2078_ 4 HEX FBD 100_2078_ 5 HEX FBD 100_2078_ 5 HEX FBD 100_2078_ 6 HEX		HEX		TID_ZXPS_ BAD_TCTEPRSS	@L3A
2 HEX FBD. TID ZXPS NVALID_BIS_DATA NVALID_B	2	HEX	FBD3		
HEX	2	HEX	FBD4	TID_ZXPS_	
Per	2	HEX	FBD5	TID_ZXPS_	
2 HEX FB00 TID_ZOPS_INVALID_RUCAT GLSA TID_ZOPS_INVALID_RU	2	HEX	FBD7	TID_ZXPS_	
Per	2	HEX	FBD8		@13A
PROVIDED				TID_ZXPS_	
Part	2	HEX	FBDA	FLOW	@L3A
PROFIT P				UNIDENTIFIED_RESPONSE	
UNIX.PECTED_BIS_ RESP GLAA				UNKNOWN_COMMAND	
NANDOWN_CMD_RESPONSE				UNEXPECTED_BIS_ RESP	@L3A
INVALID_BID_STATUS STATUS				UNKNOWN_CMD_RESPONSE	
INVALID_ZORA_MONE				INVALID_BID_STATUS	
NVALID_ZGDA_PARM GP6A LINKNOVIN_STATE				INVALID_ZGDA_MODE	
UNKNOWN, STATE_				INVALID_ZGDA_PARM	e De la
RECOVERY_ABANDONED RESTRICT ABANDONED	2	HEX	FBET	UNKNOWN_STATE_	шРо А
RESETSR_FAILED 10_ZXPS_ 10_	2	HEX	FBE4		
TRACKING_DATA_ MISSING TO ZYPS_	2	HEX	FBE5		@L3A
DOMAIN_CALL_FAILED	2	HEX	FBE6		@L3A
DFHZGPR	2	HEX	FBE7		
DFHZGPR					
2 HEX FBF0 TID_ZGPR_ENTRY @L4A 2 HEX FBF1 TID_ZGPR_EXIT @L4A 2 HEX FBF2 TID_ZGPR_	DELIZO	DD.		NO_BIS_RECOVERY	
2 HEX FBF1 TID_ZGPR_EXIT					
2					
2					
2	2	HEX	FBF3	TID_ZGPR_	
2	2	HEX	FBF4		
INCR_CCCC_ERROR					
DECR_CCCC_ERROR TID_ZGPR_ @L4A INQ_CCCC_ERROR PBF8 TID_ZGPR_ RESET_CCCO_ERROR TID_ZGPR_ RESET_CCCO_ERROR TID_ZGPR_ RECOVERY_ENTERED Extra DFHZGDA 2 HEX FBF9 TID_ZGDA_ @L4A REJ_ATT_INV_CH_STATE 2 HEX FBFB TID_ZGDA_ @L4A REJ_ATT_INV_BR_STATE TID_ZGDA_ BL4A REJ_ATT_INV_BR_STATE TID_ZGDA_ BL4A REJ_ATT_INV_BR_STATE TID_ZGDA_ SEND_FAILED @L4A Extra DFHZXPS 2 HEX FBFC TID_ZGDA_SEND_FAILED @L4A Extra DFHZXPS 2 HEX FBFD TID_ZXPS_REJ_ATT_FAILED @L4A Extra DFHZXPS 4 DECIMAL 1 MNO_ABEND STANDARD BLAND SCHARACTER ZC0001 DCD_ABEND A DECIMAL 2 MNO_SEVERE_ERROR 8 CHARACTER ZC0002 DCD_SEVERE_ERROR 8 CHARACTER ZC0002 DCD_SEVERE_ERROR				INCR_CCCC_ERROR	
NO_CCCC_ERROR	2	HEX	FBF6		@L4A
RESET_CCCC_ERROR TID_ZGPR_RECOVERY_ENTERED	2	HEX	FBF7		@L4A
Extra DFHZGDA	2	HEX	FBF8		
2 HEX FBFA TID_ZGDA_ @L4A REJ_ATT_INV_CH_STATE 2 HEX FBFB TID_ZGDA_ @L4A REJ_ATT_INV_BR_STATE 2 HEX FBFC TID_ZGDA_SEND_FAILED @L4A extra DFHZXPS 2 HEX FBFD TID_ZXPS_REJ_ATT_FAILED @L4A	2	HEX	FBF9		
REJ_ATT_INV_CH_STATE	extra D	DFHZGDA			
REJ_ATT_INV_CH_STATE	2	HEX	FBFA	TID ZGDA	@L4A
REJ_ATT_INV_BR_STATE				REJ_ATT_INV_CH_ STATE	
extra DFHZXPS 2				REJ_ATT_INV_BR_ STATE	
2 HEX FBFD TID_ZXPS_ REJ_ATT_FAILED @L4A			. 5. 0		
Standard message constants				TID 71/00 DEL ATT EAU ED	01.44
### DECIMAL 1 MNO_ABEND ### CHARACTER ZC0001 DCD_ABEND ### DECIMAL 2 MNO_SEVERE_ERROR ### CHARACTER ZC0002 DCD_SEVERE_ERROR	2				
8 CHARACTER ZC0001 DCD_ABEND 4 DECIMAL 2 MNO_SEVERE_ERROR 8 CHARACTER ZC0002 DCD_SEVERE_ERROR		-			
8 CHARACTER ZC0001 DCD_ABEND 4 DECIMAL 2 MNO_SEVERE_ERROR 8 CHARACTER ZC0002 DCD_SEVERE_ERROR	4	DECIMAL	1	MNO_ABEND	
8 CHARACTER ZC0002 DCD_SEVERE_ERROR	8	CHARACTER	ZC0001	DCD_ABEND	
		CHARACTER DECIMAL		DCD_SEVERE_ERROR MNO_NO_STORAGE	

Offset Hex	Туре	Len	Name (Dim)	Description
8	CHARACTER	ZC0003	DCD_NO_STORAGE	
2	CHARACTER	ZC	COMPONENT_ID	
Persis	tent session constants	=======		======

ZGRP Persistent sessions control blocks

```
CONTROL BLOCK NAME = DFHZGRPC
DESCRIPTIVE NAME = CICS PRSS initialisaton blocks
  The following control blocks are all created by DFHZGRP.
FUNCTION = PRSS_CV29
   This is SHARED CICS data which contains:
   CV29, FMH5, BIS and BID data.
   There will be one PRSS CV29 per OPNDST RESTOREd TCTTE.
LIFETIME =
   It is built by DFHZGRP during persistent session recovery
   (EMER | VTAM_RESART) and is freemained by DFHZNCA when
   DFHZC0146 or DFHZC0156 (good PS recover) is issued,
   or when DFHZCLS is run to cover all the cases where
   the session failed to restore and was unbound.
STORAGE CLASS =
   SMMC SHARED CICS
LOCATION =
   Chained of the TCTTE via TCTE_PRSS_CV29_PTR.
INNER CONTROL BLOCKS = none
FUNCTION = NIBLIST
   Persistent sessions INQUIRE NIBLIST - created and used by
   DFHZGRP to hold data supplied by VTAM containing the
   following information about each NIB that persists.
   See VTAM Programming SC31-6436 for a full description.
LIFETIME =
   It is built by DFHZGRP during persistent session recovery
   (startup or dynamic open) and freemained by DFHZGRP before
   it exits
STORAGE CLASS =
   USAGE(DOMAIN)
LOCATION =
   Anchored off the TCT Prefix TCTV_FIRST_NIBLIST_PTR
INNER CONTROL BLOCKS = See SC31-6436
FUNCTION = TCT_BIND
   Defines the bind in the TCT, starting with the length.
   This is used to copy the PRSS BIND into the TCTTE.
LIFETIME =
   It is built by DFHZGRP during persistent session recovery
   (emergency restart or vtam restart) when logmode= n
   is used and freemained if and when the TCTTE is
   deleted
STORAGE CLASS =
   ZCBIMG subpool
LOCATION =
   Anchored off TCTEBIMG
INNER CONTROL BLOCKS = none
FUNCTION = ZGRP_RPL
   Defines a set of 11 RPLs for use by DFHZGRP and DFHZGUB.
LIFETIME =
   It is built by DFHZGRP during persistent session recovery
   (startup or dynamic open) and freemained by DFHZGRP before
   it exits. However, if some of the RPLs are still active the
   pool will remain and then be re-used and freemained by
   subsequent dynamic OPEN VTAM ACB requests.
STORAGE CLASS =
   ZCNIBLST subpool
LOCATION =
   Anchored off the TCT Prefix TCTV_PRSS_RPL_POOL_PTR
INNER CONTROL BLOCKS = none
NOTES
 DEPENDENCIES = S/370
 RESTRICTIONS =
 MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
  DATA AREAS =
  CONTROL BLOCKS =
  GLOBAL VARIABLES (Macro pass) =
PRSS CV29 containing CV29, FMH5, BIS and BID data,
built by DFHZGRP from OPNDST RESTORE data and passed to DFHZXPC
and DFHZXRC (CV29 for terminals only).
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	163	PRSS_CV29_DATA	
(0)	CHARACTER	91	PRSS_CV29	@P5C
(5B)	CHARACTER	42	PRSS_FMH5	@P5C
(5B)	CHARACTER	21	FMH5_PS_DATA	FMH5 PLU to SLU data @L3A
(5B)	CHARACTER	2	FMH5_PSSEQ	FMH5 PLU to SLU seq. no.
(5D)	CHARACTER	3	FMH5_PSRH	FMH5 PLU to SLU RH @L3A
(60)	CHARACTER	16	FMH5_PSRU	FMH5 PLU to SLU RU @L3A
(70)	CHARACTER	21	FMH5_SP_DATA	FMH5 SLU to PLU data @L3A

Offset Hex	Туре	Len	Name (Dim)	Description
(70)	CHARACTER	2	FMH5_SPSEQ	FMH5 SLU to PLU seq. no.
(72)	CHARACTER	3	FMH5_SPRH	FMH5 SLU to PLU RH @L3A
(75)	CHARACTER	16	FMH5_SPRU	FMH5 SLU to PLU RU @L3A
(85)	CHARACTER	20	PRSS_BIS	@P5C
(85)	CHARACTER	10	BIS_PS_DATA	BIS PLU to SLU data @L3A
(85)	CHARACTER	2	BIS_PSSEQ	BIS PLU to SLU seq. no.
(87)	CHARACTER	3	BIS_PSRH	BIS PLU to SLU RH @L3A
(8A)	CHARACTER	5	BIS_PSRU	BIS PLU to SLU RU @L3A
(8F)	CHARACTER	10	BIS_SP_DATA	BIS SLU to PLU data @L3A
(8F)	CHARACTER	2	BIS_SPSEQ	BIS SLU to PLU seq. no.
(91)	CHARACTER	3	BIS_SPRH	BIS SLU to PLU RH @L3A
(94)	CHARACTER	5	BIS_SPRU	BIS SLU to PLU RU @L3A
(99)	CHARACTER	10	PRSS_BID	@P5C
(99)	CHARACTER	2	BID_SEQ	Bid sequence number @L3A
(9B)	CHARACTER	3	BID_RH	Bid RH @L3A
(9E)	CHARACTER	5	BID_RU	Bid RU @L3A

Persistent sessions NIBLIST - as produced by DFHZGRP as a result or INQUIRE PERSESS and OPNDST RESTORE.

The NIB and BIND definitions should be replaced by the VTAM

versions when they become available. If they are not replaced then they should be kept in step with the VTAM versions.

The NIBLIST is anchored from TCTV_FIRST_NIBLIST_PTR

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	*	NIBLIST	
(0)	CHARACTER	24	NIBLIST_HEADER	
(0)	CHARACTER	8	EYECATCHER	>PRSSNBL
(8)	ADDRESS	4	CHAIN_PTR	next niblist
(C)	FULLWORD	4	NIB_COUNT	count of NIBS in this list
(10)	FULLWORD	4	UNBIND_COUNT	count of unbinds "
(14)	ADDRESS	4	TOP_NIBLIST	start of this block
(18)	CHARACTER	*	NIB_START	start of nibs
Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	64	NIB	1st of many NIBs
(0)	CHARACTER	1	*	Always 'D0'x @L6A
(1)	UNSIGNED	1	NIBFLG0	@L6A
	1		NIBNNAMS	Partner used member name
(2)	CHARACTER	1	*	@L6C
(3)	UNSIGNED	1	NIBLEN	Length of NIB @P5A
(4)	FULLWORD	4	NIBCID	CID
(8)	ADDRESS	4	NIBUSER	a(old_tctte) a(tctte) or 0
(C)	CHARACTER	8	NIBSYM	Netname
(14)	CHARACTER	8	NIBMODE	
(14)	CHARACTER	8	NIBNET	Netid @L5A
(1C)	CHARACTER	8	NIBDEVCH	
(1C)	CHARACTER	4	*	
(20)	CHARACTER	1	DEVPHYSA	
(24)	CHARACTER	4	NIBPROCD	
(28)	UNSIGNED	1	NIBFLG1	
	1		NIBLAST	Off if last nib @P7C
	.1		NIBCON	On if OPNDST restore OK
(29)	UNSIGNED	1	NIBFLG2	
	11			0 " :
	1		NIBPSPLU	On if primary
			NIBPSDFS	On if Continue specific
	1		NIBPSDFA	On if Continue any
(0.4)	1	0	NIBPSRSP *	On if RESP data mode
(2A)	CHARACTER	2 4		@1.24
(2C)	ADDRESS		NIBEXLST	@L2A
(30)	CHARACTER	8 8	NIBGENN NIBLMODE	Generic resource name @L5A @L5A
(30) (38)	CHARACTER CHARACTER	8 4	NIBLMODE *	@L5A @L5C
(38) (3C)	ADDRESS	4	NIBRPARM	@L5C Pointer to restore plist
(30)	ADDRESS	4	INIDICENTINI	Politiei to restore plist

RESTORE_PLIST_POINTERS

A set of 7 pointer per NIB in the NIBLIST. Pointed to by NIBRPARM in the NIB.

They in turn, point to data supplied for each NIB by INQUIRE

PERSESS and OPNDST RESTORE.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	28	RESTORE_	
			PLIST_POINTERS	
(0)	ADDRESS	4	BIND_PTR	
(4)	ADDRESS	4	CV29_PTR	
(8)	ADDRESS	4	MODENAME_PTR	@P1C
(C)	ADDRESS	4	SESSID_PTR	@P1C
(10)	ADDRESS	4	FMH5_PTR	
(14)	ADDRESS	4	BID_PTR	
(18)	ADDRESS	4	BIS_PTR	

Returned by INQUIRE PERSESS and pointed to by BIND_ PTR
The definition of fields within the bind should be replaced
by the official VTAM ones.

Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	STRUCTURE UNSIGNED	37 1	BIND BINFMTY	Bind format and type
	pinfmt bit(4), Bind format bintype bit(4), Bind type			
(1)	UNSIGNED	1	BINFM	FM profile
(2)	UNSIGNED	1	BINTS	TS profile
(3) (6)	CHARACTER BITSTRING	3 1	* BINCMNP2	7 Send/Receive mode
	111 1		* BINBKFS	Bit X'10' Primary is brackets
(7)	1111 BITSTRING	1	BINAPACE	8 SLU send pacing
(8)	BITSTRING	1	BINRPACE	9 SLU receive pacing
(9)	UNSIGNED	1	BINSRUSZ	10 SLU max send RU size
(A) (B)	UNSIGNED BITSTRING	1 1	BINPRUSZ BINSPACE	11 PLU max send RU size 12 PLU send pacing
(C)	BITSTRING	1	BINBPACE	13 PLU receive pacing
				•
(D) (E)	UNSIGNED CHARACTER	1 11	BINLUP BINPSCHR	14 LU type Bytes 15-25
(E)	BITSTRING	1	BINLULEV	15 LU Type
(F)	BITSTRING	1	BINARCH1	16 Arch info 1
(10)	CHARACTER	5	*	17-21
(15)	BITSTRING	1	BINFLG0	22 Flag byte
	1		BINES	Bit X'80' Ext Sec Supp
(16)	.111 1111 BITSTRING	1	* BINFLG1	23 Flag byte
	111 1		* BINCLSS	Bit X'01' Acc sec supp
	11		* BINAVFS	Bit X'02' Already verif
	1		BINPV	Bit X'01' Persist verif
(17)	BITSTRING	1	BINFLG2	24 Flag byte
	1 .1		* BINCSBK	Bit X'40' Sync level 2
	1		BINCONF	Bit X'20' Sync level 1
	1		*	
	1		BINSECNH	Bit X'08' 2ry reinitiate
	1		BINPRIMH BINPSS	Bit X'04' 1ry reinitiate Bit X'02' parallel sess
	1		BINGDSVF	Bit X'01' CNOS supported

Offset Hex	Туре	Len	Name (Dim)	Description
(18)	BITSTRING	1	BINFLG3	25 Flag byte
	1 .1		* BINLTDRC	Bit X'40' LR bit
	11 1111		*	
(19)	BITSTRING	1	BINCRCTL	26 Cryptography
(1A)	UNSIGNED	1	BINPRIML	27 1ry LU name length
(1B)	CHARACTER	8	BINPRIM	28-35 1ry LU name
- If a bind returned in a persisent session niblist has a non 0 userdata length (BINUSEL) then the bind is followed by structured user data fields, including the modename, sessid, PLUNAME or SLUNAME.				
(23)	UNSIGNED	1	BINUSEL	36 Length of user data
(24)	CHARACTER	1	BINUSE	37 First byte of data

MODENAME (Prefixed by 'II02'x)
Returned by INQUIRE PERSESS and pointed to by MODENAME_PTR

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	10	MODENAME_STRUCT	
(0)	UNSIGNED	1	MODENAME_LENGTH	Length of modename+1
(1)	UNSIGNED	1	MODENAME_KEY	Key '02'
(2)	CHARACTER	8	MODENAME	Modename used by CICS

SESSID (Prefixed by 'II03'x)
Returned by INQUIRE PERSESS and pointed to by SESSID_PTR.

Offset Hex	Туре	Len	Name (Dim)	Description
(0) (0)	STRUCTURE UNSIGNED	10 1	SESSID_STRUCT SESSID_LENGTH	Length of sessid + 1
(1)	UNSIGNED	1	SESSID_KEY	Key '03'
(2)	CHARACTER	8	SESSID	Sessid used by CICS

TCT_BIND Defines the bind in the TCT, starting with the length.

Note: TCTEBIMG points beyond the flag in the first byte to the length, followed by the bind itself.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	38	TCT_BIND	
(0)	UNSIGNED	1	TCT_BIND_LENGTH	
(1)	CHARACTER	13	*	
(E)	UNSIGNED	1	TCT_BINLUP	
(F)	CHARACTER	23	*	@D2C

RPL POOL

Offset

Type

Defines a set of 11 RPLs for use by DFHZGRP and DFHZGUB. The block is obtained from the ZCNIBLST variable length subpool when DFHZGRP is entered and deleted by DFHZGRP if all the RPLs are inactive.

The ECB is for use by DFHZGUB to wait until an RPL becomes free.
The first RPL is for use by DFHZGRP - INQUIRE and OPNDST.
The next 10 are for DFHZGUB, which initiates up to 10 CLSDSTs or TERMSESS's. After that it needs to wait for one to become inactive.

The RPL POOL is anchored from TCTV_PRSS_RPL_POOL_PTR. The last 10 RPLS for use by DFHZGUB are anchored from TCTV_PRSS_UNBIND_RPLS_PTR

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	ZGRP_RPL_POOL	
(0)	CHARACTER	16	RPL_POOL_HEADER	
(0)	CHARACTER	8	RPL_EYECATCHER	>PRSSRPL
(8)	ADDRESS	4	WAIT_RPL_ECB	DFHZGUB wait for RPL ECB
(C)	FULLWORD	4	RPL_SIZE	Size of each RPL
(10)	CHARACTER	*	ZGRP RPL	

Security Mechanisms subfield (prefixed by '..14')

Len

(0) (0) (1) (2) (3)	STRUCTURE UNSIGNED UNSIGNED UNSIGNED CHARACTER	* 1 1 1 *	SEC_MECH_STRUCT SEC_MECH_LENGTH SEC_MECH_KEY SEC_POLICY_LENGTH *	@L4A Length of struct - 1 @L4A Key '14' @L4A security policy length
Offset	Type	Len	Name (Dim)	Description
Hov	.,,,,		` '	
Hex (0)		*	EXT SEC MECH STRUCT	·
(0)	STRUCTURE UNSIGNED		EXT_SEC_ MECH_STRUCT SEC EXT MECH LEN	@L4A length of extended mechs
	STRUCTURE	*		@L4A
(0) (0)	STRUCTURE UNSIGNED	* 1	SEC_EXT_MECH_LEN	@L4A length of extended mechs

Name (Dim)

Constants

Len 4	Type DECIMAL	Value 164	Name NIB_DATA_LENGTH	Description @P4A		
SHORTEST_NIB_DATA_LENGTH Length of the shortest possible NIB data returned by VTAM INQUIRE PERSESS.						
4	DECIMAL	129	SHORTEST_ NIB_DATA_LENGTH	@P6A		
	OPNDST_DATA_LENGTH Length of one set of CV29, FMH5, BIS + BID.					
4	DECIMAL	163	OPNDST_DATA_LENGTH		<u> </u>	

Description

ZLUIT Zcp local userid table definition

```
CONTROL BLOCK NAME = DFHZLUIT
DESCRIPTIVE NAME = CICS (ZCP) Local Userid Table definition.
FUNCTION =
   This control block contains the DSECTs for:
   1) Local Userid Table (LUIT) entries.
     The LUIT contains a list of Userids, who are using
     Persistent Verification, and are considered ALREADY
     VERIFIED for use on this connection.
   2) The Local Userid Table Area (LUITA).
     This is the header for each LUIT, containing a pointer
     to the first LUIT entry, the SYSID associated with the
     LUIT, and some flags. This DSECT is physically part of
     the TCSE, but contains only those TCSE fields required
     by DFHZCUT to perform its functions.
   There is one LUIT per connection, composed of a LUITA
   header followed by one entry for each userid that is
   Persistently Signed On.
   Both of these control blocks are owned by DFHZCUT.
LIFETIME =
   For the LUITA - Lifetime of the TCSE - connection lifetime.
              Destroyed when the TCSE is freed.
   For the LUIT entries - Task related. Tasks will attach and
              add or reuse LUIT entries. As tasks end,
              the use counts in the LUIT entries are
              decremented. If the entries have not been
              used for a set time (SIT - PVDELAY)
              the LUIT entries will be deleted.
STORAGE CLASS =
   The LUITA is part of the TCSE
   The LUIT entries come from Subpool USIDTBL
   They have a fixed length of 32 bytes.
   LOCAL_USERID_TABLE_AREA (LUITA) is a field in the TCSE.
   LOCAL_USERID_TABLE_ELEMENT is chained off:
    LUITA HEAD POINTER (TCSELUIT) for the first LUIT entry
    LUIT_FORWARD_POINTER for the next LUIT entry
        (end of chain = Null pointer)
INNER CONTROL BLOCKS =
   The LOCAL_USERID_TABLE_AREA is an inner control block of
   the TCSE defined at TCSEUTA
NOTES:
DEPENDENCIES = S/370
RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES =
 DATA AREAS =
    None
 CONTROL BLOCKS =
 GLOBAL VARIABLES (Macro pass) =
The Local Userid Table Area is a sub control block within the
TCSE - at TCSEUTA.
DFHZCUT uses the LUITA as the head control block for the LUIT.
 HEAD_POINTER points to the start of the LUIT element chain.
 SYSID is the 4 char connection sysid associated with the LUIT.
 FLAGS that are used in Time Out of the LUIT entries:
  TIME_OUT_IN_PROGRESS
```

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	12	LOCAL_USERID_ TABLE_AREA	
(0)	ADDRESS	4	LUITA_HEAD_ POINTER	
(4)	CHARACTER	4	LUITA_SYSID	
(8)	BITSTRING	1	LUITA_FLAGS	
	1		LUITA_TIME_ OUT_IN_PROGRESS	
	.111 1111		*	Reserved
(9)	CHARACTER	3	*	Reserved

The Local Userid Table Elements consist of userids that are using Persistent Verification for a particular SYSID.

FORWARD_POINTER is used to chain to the next element - search BACKWARD_POINTER is used when deleting entries from the middle

TIME_LAST_END_BRACKET is set to zero when the entry is added to the list. Subsequently, it is set to the 4 High Order bytes of the STCK macro time, whenever tasks that use the entry send an end bracket to complete the session (at task end). The time is used to remove the LUIT entry from the list if the count is zero, and the entry has not been used for a set time.

USE_COUNT is the total number of transactions currently running that are using this LUIT entry.

FLAGS

LOGICALLY_DELETED indicates that the LUIT entry has logically and architecturally been deleted, however since the use count is non zero, we must wait for the transactions that are currently using it to end, before we can Freemain it. Note. Instead of adding a new entry to the list a logically deleted entry can be made valid again. This saves us from having multiple entries for the same userid.

USERID is the userid (and length) that is using PV and can be considered Already Verified for use on the connection.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	32	LOCAL_USERID_ TABLE_ELEMENT	
(0)	ADDRESS	4	LUIT_FORWARD_ POINTER	
(4)	ADDRESS	4	LUIT_BACKWARD_ POINTER	
(8)	UNSIGNED	4	LUIT_TIME_ LAST_END_BRACKET	
(C)	HALFWORD	2	LUIT_USE_COUNT	
(E)	UNSIGNED	1	LUIT_FLAGS	
	1		LUIT_LOGICALLY_ DELETED LUIT PENDING	
	11 1111		TIME_OUT	
(E)	CHARACTER	9	LUIT USERID	
(F)	UNSIGNED	1	_	
(F)			LUIT_USERID_ LENGTH	
(10)	CHARACTER	8	LUIT_USERID_ TEXT	
(18)	CHARACTER	8	*	Reserved

ZRPL CICS VTAM rpl extension

CONTROL BLOCK NAME = DFHTCLPS DESCRIPTIVE NAME = CICS VTAM RPL and CICS Extension FUNCTION = CICS extension to the VTAM Request Parameter List for HPO (VTAM authorised path - SRB mode requests) The RPL is the parameter list used for VTAM request macros. A CICS extension, used mainly for requests made using HPO, is appended to it. The RPL and extension are always getmained together but the length of the extension does not affect RPLLEN (used with the VTAM API). LIFETIME = Receive Any RPLs are getmained during initialisation by DFHZRPL and are never freemained. RPLs for other VTAM requests have task lifetime and are get mained/freemained by ZGET/ZFRE STORAGE CLASS = Receive Any RPLS are in the RAPOOL in subpool DFHAPD24. Other VTAM RPLs are in subpool ZCRPL LOCATION = The RAPOOL is addressed by TCTVRVRA Other RPLs are addressed by TCTERPLA INNER CONTROL BLOCKS = None NOTES: DEPENDENCIES = S/370 RESTRICTIONS =
MODULE TYPE = Control block definition EXTERNAL REFERENCES = DATA AREAS = CONTROL BLOCKS = GLOBAL VARIABLES (Macro pass) = VTAM AMSI globals are set CICS VTAM RPL Extension - to match the assembler dsect which is aligned on a full word boundary, this definition must start at the next full word after the end of the VTAM RPL extension.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	36	ZRPLEXTN	
(0)	ADDRESS	4	ZRPLCOMP	Completion address(on exit from SRB)
(0)	ADDRESS	4	ZRPLLINK	Exit link register save
(4)	ADDRESS	4	ZRPLTCTE	Actual TCTTE address
(8)	ADDRESS	4	ZRPLRETA	Return address from ZHPSR
(C)	ADDRESS	4	ZRPLERXA	LERAD or SYNAD entry point
(10)	ADDRESS	4	ZRPLSCHN	SRB chain
(14)	ADDRESS	4	ZRPLRSAX	SRB reg save area address
(18)	ADDRESS	4	ZRPLHPXA	SRB RPL executor ep address
(1C)	ADDRESS	4	ZRPLWRK1	SRB work field
(20)	BITSTRING	1	*	
	1		ZRPLZCL	Exit being called from ZDSP
	.1		ZRPLECB	ECB to be posted by ZDSP
	1		ZRPLNHT	No HTA used with request
	1		ZRPLLRQ	Long-term SRB
	1		ZRPLSRB	RPL executed in SRB mode
	1		ZRPLQIP	RPL on completion que for ZRLP
	1.		ZRPLNRC	Notify when on completion queue
(21)	BITSTRING	1	*	
	1		ZRPLERR	ZHPCH must call exit (ZSYX/ZLEX)
(22)	CHARACTER	2	*	Reserved
(24)	CHARACTER		*	Alignment

ZXQOD XRF tracking queue organiser

CONTROL BLOCK NAME = DFHZXQOD
DESCRIPTIVE NAME = CICS XRF tracking queue organiser
(DFHZXQO) interface declaration.
FUNCTION = Declare interface to DFHZXQO. DEPENDENCIES = S/370 RESTRICTIONS =
MODULE TYPE = Control block definition
EXTERNAL REFERENCES = None. DATA AREAS = None.

CONTROL BLOCKS = CSAXQONA in the CSA. GLOBAL VARIABLES (Macro pass) = None.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	8	XQOVECT	Vector for ZXQO
(0)	ADDRESS	4	XQOVECTN	ZXQO entry point
(4)	BITSTRING	4	XQOVECTE	ECB posted when ZXQO is drained

Constants

Len	Туре	Value	Name	Description	
1	CHARACTER	1	XQO_REQ_INIT		
1	CHARACTER	Α	XQO_REQ_ADDACT		
1	CHARACTER	Р	XQO_REQ_POST		
1	CHARACTER	D	XQO_REQ_DRAIN		
XQO	_ RESPONSE values :	:-			
4	DECIMAL	8	XQO_RSP_BAD_REQC	OUT: Error	
4	DECIMAL	4	XQO_RSP_ERROR	IN: (to POST)	
4	DECIMAL	3	XQO_RSP_NOT_YET	OUT: Normal - queued	
4	DECIMAL	1	XQO_RSP_SCHEDULD	IN: from RM_SCHEDULE	
4	DECIMAL	0	XQO_RSP_NORMAL	OUT: Normal - complete	

ZXTR XRF tracking record header

CONTROL BLOCK NAME = DFHZXTR DESCRIPTIVE NAME = CICS XRF tracking record header. FUNCTION = Common part of records shipped to an XRF alternate to drive the tracking of various states. LIFETIME = Built by DFHTBSSP and the XRF catch-up transaction, and interpreted by DFHTCRP and DFHZXQO. STORAGE CLASS = Various. LOCATION = Various. INNER CONTROL BLOCKS = The tracking record contains a variable length data field which in some cases is a copy of the CICS catalog record. NOTES: DEPENDENCIES = S/370 RESTRICTIONS = None. MODULE TYPE = Control block definition EXTERNAL REFERENCES = None. DATA AREAS = None. CONTROL BLOCKS = None. GLOBAL VARIABLES (Macro pass) = No sysgen globals.

Offset	Туре	Len	Name (Dim)	Description
Hex				
(0)	STRUCTURE	*	XTR_RECORD	Tracking record sent from the ACTIVE to the ALTERNATE
(0)	UNSIGNED	2	XTR_ID	Indicates whether it is a CATCHUP or TRACKING type record.
(2)	BITSTRING	1	*	Flags
(3)	CHARACTER	1	XTR_TYPE	Defines what the tracking record contains
(4)	CHARACTER	*	XTR_KEY	
(4)	UNSIGNED	1	XTR_KEY_LENGTH	Length of the key value. If this is 0 and XTR_ID is not XTR_ID_BROADCAST then this is the end-of-stream marker for a particular catchup. Any data will be ignored in this case.
(5)	CHARACTER	*	XTR_KEY_VALUE	A string that uniquely names the externalised object
Offset	Туре	Len	Name (Dim)	Description
Hex	туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	XTR_DATA	Recovery record proper
(0)	UNSIGNED	2	XTR_DATA_LENGTH	
(2)	CHARACTER	*	XTR_DATA_STRING	Contains the externalised object(s) and associated object.

The following structure maps XTR_DATA_STRING when used for tracking-control messages. In this case the following conventions exist:-(a) If XTR_ID is XTR_ID_BROADCAST then this is a start-of-stream record, which is the first record generated by a (new) active. (b) If XTR_ID is not XTR_ID_BROADCAST then this is a start-of-catchup record, and any backup waiting to do catchup may capture the value in XTR_ID which will be used in all subsequent records for this particular catchup.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	XTR_XC_DATA	
(0)	BITSTRING	1	*	
	1		XTR_XC_ STRM_WARM	Stream is cold
(1)	CHARACTER	1	* (*)	List of types in stream
(1)	CHARACTER	1	XTR_XC_ TYPE_ELEM	Stream type

The following structure maps XTR_DATA_STRING when used for session-state tracking messages.

Offset Hex	Туре	Len	Name (Dim)	Description
(0)	STRUCTURE	*	XTR_ST_DATA	
(0)	CHARACTER	5	XTR_ST_SHORT	Basic section
(0)	CHARACTER	4	XTR_ST_ SESS_NAME	Session/terminal name
(4)	CHARACTER	1	XTR_ST_REQUEST	Request being shipped
(5)	BITSTRING	1	XTR_ST_FLAGS_1	
	1		XTR_ST_CAPABLE	XRF capable session
(6)	CHARACTER	*	XTR_ST_CORREL	Correlation id
(6)	UNSIGNED	1	XTR_ST_ CORREL_LN	Length
(7)	CHARACTER	*	XTR_ST_ CORREL_ID	Value

This is now externalised

Offset Hex (0) (0) (2)	Type STRUCTURE UNSIGNED CHARACTER	Len * 2 *	Name (Dim) XTR_ST_LOG_DATA XTR_ST_LOGD_LEN XTR_ST_LOGD_VAL	Description Logon data Length Value
Offset Hex (0) (0) (1)	Type STRUCTURE UNSIGNED CHARACTER	Len * 1 *	Name (Dim) XTR_ST_BIND XTR_ST_BIMG_LEN XTR_ST_BIMG_VAL	Description BIND-image Length Value
Offset Hex (0) (0) (4) (5)	Type STRUCTURE CHARACTER UNSIGNED CHARACTER	k 4 1 *	Name (Dim) XTR_SN_DATA XTR_SN_SESS_NAME XTR_SN_REP_N XTR_SN_REP	Description

Constants

Len	Туре	Value	Name	Description
4	DECIMAL DECIMAL	5	XTR_RECORD_SIZE	Marrian up langth of the abi
4	DECIMAL	16 2	XTR_MAX_KEYLEN XTR DATA SIZE	Maximum length of the obj
4			ATR_DATA_SIZE	
Used	in XTR_ ID			
2	DECIMAL	0	XTR_ID_BROADCAST	General msg
2	DECIMAL	65535	XTR_ID_PENDING	XTR_ID_PENDING - used to indicate that a stream has been
				"opened" but nothing sent yet
Used	in XTR_TYPE			
1	CHARACTER	Х	XTR_TYPE_CONTROL	Tracking control
1	CHARACTER	С	XTR_TYPE_ ZC_CONTENTS	CONTENTS
1	CHARACTER	S	XTR_TYPE_ ZC_SESSIONS	SESSIONS
1	CHARACTER	U	XTR_TYPE_SN	User ids
Used	in RESPONSE			
1	DECIMAL	0	XTR_RSP_NORMAL	Normal response
1	DECIMAL	8	XTR_RSP_ERROR	Error response
1	DECIMAL	4	XTR_RSP_SHUTDOWN	Shutdown
1	DECIMAL	1	XTR_RSP_ALL_GONE	No backups
4	DECIMAL	5	XTR_SN_DATA_SIZE	
Value	s used in XTS_ ST_RE	QUEST:-		
1	CHARACTER	1	XTR ST REQ BIND	BIND completed
1	CHARACTER	2	XTR_ST_REQ_FREED	Logon data freed
1	CHARACTER	3	XTR_ST_REQ_UNBND	UNBIND completed

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CSAEIQSV	(474) CSA 60
CSAEIQSX	(450) CSA 60
CSAEIQSZ	(4B8) CSA 60
CSAEIQTM	59
CSAEIQTR	(4A0) CSA 60
	(4B0) CSA 60
CSAEIQUE	(4C0) CSA 60
	(480) CSA 60
	(42C) CSA 59
	3DC) CSA 59 F8) CSA 56
CSAEISK (F8) CSA 56 (68) CSA 52
	3C4) CSA 52
CSAEIUOW	(4D0) CSA 60
	(420) CSA 59
	3D8) CSA 59
,	(3D4) CSA 59
CSAEMEX	(4C8) CSA 60
	(3E0) CSA 59
CSAEOP	(488) CSA 60
CSAEPC (3CC) CSA 59
00/12/0	,

CSAEPS (45C) CSA 60 CSAERMNA (FC) CSA 56 CSAERMRS (16C) CSA 56 CSAERMSG (BIT) CSA 57 CSAESC (3C8) CSA 59 CSAESE (484) CSA **CSAESN** (498) CSA 60 CSAESZ (4B4) CSA 60 CSAETC (3B8) CSA 59 CSAETD (3C0) CSA 59 CSAETLNA (100) CSA 56 CSAETR (3E4) CSA 59 CSAETRX (440) CSA 60 CSAEXECS (3B0) CSA 59 (2C0) CSA 58 CSAEXNQA CSAEXNQG (2C4) CSA 58 CSAEXNQS (2BC) CSA 58 CSAFASTL (1C4) CSA 54 CSAFCEP (310) CSA 59 CSAFCSBA (12C) CSA 53 CSAFCXAD (78) CSA 55 CSAFEAUX 55 CSAFEOPT 55 (BIT) CSA 55 CSAFERST CSAFEWST (BIT) CSA 55 CSAFNLTM (BIT) CSA 51 CSAFOLA (14C) CSA 53 CSAFPURG (BIT) CSA 51 CSAFRCQR (BIT) CSA 53 CSAFTCAB (BIT) CSA 51 CSAGCAAC (15C) CSA 56 CSAHPOCT (388) CSA 59 CSAICA31 (AC) CSA 55 CSAICEBA (54) CSA 51 CSAICEXP (C0) CSA 52 (C0) CSA 52 CSAICFNA 54 CSAICIAJ (BIT) CSA 52 CSAICIND (5B) CSA 51 CSAICITP (BIT) CSA 51 CSAICNAC (AC) CSA 52 CSAICRIC (1B4) CSA 54 CSAICRIN 54 CSAICRMF 1 CSA 61 CSAICRMN 1 CSA 61 CSAICRNX (1A4) CSA 54 CSAICRUN (1B8) CSA 54 CSAICSIC (58) CSA 51 CSAIIPEA (140) CSA 56 CSAILBOC 57 CSAINAKP CSAIRPNA (178) CSA 56 CSAISPNA (A0) CSA 55 CSAJCNA1 (2F0) CSA 58 CSAJCNA2 (2F4) CSA 58 CSAJYDP (7C) CSA 52 CSAKCCT 54 CSAKCMI (49) CSA 51 CSAKCMT (4A) CSA 51 CSAKCMTA (1CE) CSA 54 CSAKCNAC (A0) CSA 52 CSAKCSC (4C) CSA 55 CSAKCTOF (228) CSA 58 CSAKCTTA (1D0) CSA 54 CSAKELCL (240) CSA 58 CSAKELCW (24C) CSA 58 CSAKELOW (248) CSA 58 CSAKELRT (244) CSA 58 CSAKPCNT (1C8) CSA 54 CSAKPNAC (28) CSA 55 CSAKPPVC (1E0) CSA 57 CSALANG 55 CSALEFUN (CA) CSA 56 CSALEN (E2) CSA 53 CSALFNAC 55 CSALFXAC (2A0) CSA 58 CSALIRNA (E0) CSA 56 CSALOGDF (BÍT) CSA 57 CSALOGDI (BIT) CSA 57 CSALOGFL (209) CSA 57 CSALOGTP (BIT) CSA 57 CSALTIME (9A) CSA 52 CSAM32EA (134) CSA 56 CSAMCXEA (138) CSA 56

CSAMCYEA (184) CSA 56 CSAMGNAC 55
CSAMGTAC (8C) CSA 55
CSAML1EA (150) CSA 56 CSAMOD00 1 CSA 60
CSAMOD01 1 CSA 60 CSAMOD02 1 CSA 60
CSAMOD02 1 CSA 60 CSAMOD03 1 CSA 60
CSAMROQA 55 CSAMROQP (1CC) CSA 57
CSAMVS 1 CSA 60
CSAMVX 1 CSA 60 CSAMXTOF 1 CSA 60
CSAMXTON (BIT) CSA 51
CSANDDS (BIT) CSA 57 CSANSKR (BIT) CSA 57
CSANULLP (178) CSA 54
CSAOPF0E (5C) CSA 55 CSAOPF1E (7C) CSA 55
CSAOPF1S (64) CSA 55
CSAOPF3E (1B8) CSA 57 CSAOPF4E (2A0) CSA 58
CSAOPF4S 57 CSAOPF5E (2FC) CSA 58
CSAOPF5S (2A8) CSA 58
CSAOPF6E (3B0) CSA 59 CSAOPF6S (2FC) CSA 58
CSAOPFL (0) CSA 55
CSAOPFLA 53 CSAOPREL (9D) CSA 52
CSAOPSYS (9C) CSA 52
CSAOSRSA (0) CSA 51 CSAPBPEA (130) CSA 56
CSAPCNAC (A8) CSA 52 CSAPCNNA (158) CSA 56
CSAPCTTA (1D0) CSA 57
CSAPFTRR (1DC) CSA 54 CSAPFTRS (1E0) CSA 54
CSAPHPEA (14C) CSA 56 CSAPICA (160) CSA 53
CSAPIEA 53
CSAPINIT 56
CSAPLBA (74) CSA 52
CSAPLISL 55
CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58
CSAPLISL 55 CSAPLISM (58) CSA 55
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIV (2AA) CSA 58
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIU (2AA) CSA 58 CSAPLTPI (BIT) CSA 51 CSAPLTRS (BIT) CSA 58
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A4) CSA 58 CSAPLTPI (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIV (2AA) CSA 58 CSAPLTPI (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTYS 58 CSAPOLA 53
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTPI (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTS (2A8) CSA 58 CSAPLTS 58 C
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIV (2AA) CSA 58 CSAPLTRS (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTS 53 CSAPPFN 54 CSAPPFN 54 CSAPRINN (48) CSA 55 CSAPROTL (238) CSA 58
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIP (BIT) CSA 51 CSAPLTRS (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTS 58 CSAPCA 53 CSAPPFN 54 CSAPROTU (238) CSA 58 CSAPROTU (238) CSA 58 CSAPSCBA (1EC) CSA 58
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIP (BIT) CSA 51 CSAPLTPI (BIT) CSA 51 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTS 58 CSAPOLA 53 CSAPPFN 54 CSAPRINN (48) CSA 55 CSAPROTL (238) CSA 58 CSAPROTU (23C) CSA 58
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIP (BIT) CSA 51 CSAPLTPI (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTYS 58 CSAPLTYS 58 CSAPPON 54 CSAPRINN (48) CSA 55 CSAPROTU (238) CSA 58 CSAPROTU (230) CSA 58 CSAPSCBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSAQRTCB (10C) CSA 53
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A4) CSA 58 CSAPLTIL (2A4) CSA 58 CSAPLTPI (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTPI (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTS 58 CSAPLTS 58 CSAPCOTA 53 CSAPPFN 54 CSAPROTU (238) CSA 58 CSAPROTU (23C) CSA 58 CSAPROTU (23C) CSA 58 CSAPSCBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSAQRTCB (10C) CSA 53 CSARDATC (18A) CSA 54 CSARLREA (12C) CSA 56
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIU (2AA) CSA 58 CSAPLTIU (2AA) CSA 58 CSAPLTIP (BIT) CSA 51 CSAPLTRS (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTS 58 CSAPLTS 58 CSAPLTS 58 CSAPLTS (238) CSA 58 CSAPROTU (230) CSA 58 CSAPSOBA (1EC) CSA 58 CSAPSOBA (1EC) CSA 56 CSAPUBA (78) CSA 52 CSAQRICB (10C) CSA 53 CSARDATC (1BA) CSA 54 CSARRATC (12C) CSA 54 CSARRART (338) CSA 54 CSARRART (338) CSA 59 CSARMSEP (FC) CSA 59
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTCM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIP (BIT) CSA 51 CSAPLTRS (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTS 58 CSAPLTS 58 CSAPLTS 54 CSAPLTS (238) CSA 58 CSAPPIN 54 CSAPROTU (230) CSA 58 CSAPROTU (230) CSA 58 CSAPSOBA (1EC) CSA 58 CSAPSOBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSAORTCB (10C) CSA 53 CSARDATC (1BA) CSA 54 CSARRATT (338) CSA 54 CSARRATT (338) CSA 56 CSARRATT (338) CSA 56 CSARRATT (338) CSA 59 CSARRASBP (FC) CSA 53 CSAROCSA (BC) CSA 52
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIU (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTPI (BIT) CSA 51 CSAPLTPI (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTYS 58 CSAPOLA 53 CSAPPFN 54 CSAPROTU (23C) CSA 58 CSAPROTU (23C) CSA 58 CSAPSOBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSAQRTCB (10C) CSA 53 CSARDATC (1BA) CSA 54 CSARMSTT (338) CSA 59 CSARMSBP (FC) CSA 53 CSARMSBP (FC) CSA 53 CSARMSBP (FC) CSA 53 CSARMSBP (FC) CSA 53 CSARMSBP (FC) CSA 56 CSARUNKC 54
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2A4) CSA 58 CSAPLTIL (2A4) CSA 58 CSAPLTIP (BIT) CSA 51 CSAPLTRS (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTYS 58 CSAPLTYS 58 CSAPLTYS 58 CSAPLTYS 58 CSAPLTYS 58 CSAPLTY (238) CSA 58 CSAPROTL (238) CSA 58 CSAPROTU (23C) CSA 58 CSAPSCBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSARDATC (1BA) CSA 54 CSARDATC (1BA) CSA 54 CSARNRTT (338) CSA 59 CSARMSEP (FC) CSA 53 CSARNSEP (FC) CSA 53 CSAROCSA (BC) CSA 52 CSARTSUA (154) CSA 56 CSARUNKC 54 CSARUNKC 54 CSARUPBT (1FC) CSA 57
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIPI (BIT) CSA 51 CSAPLTPI (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTYS 58 CSAPCIA 53 CSAPFN 54 CSAPROIL (238) CSA 55 CSAPROTL (238) CSA 55 CSAPROTL (23C) CSA 58 CSAPROTL (23C) CSA 58 CSAPSDBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSARDATC (1BA) CSA 54 CSARLREA (12C) CSA 56 CSARMSEP (FC) CSA 53 CSARMSEP (FC) CSA 53 CSARNAC (190) CSA 56 CSARUNKC 54 CSARUNKC 54 CSARUPBT (1FC) CSA 57 CSASANAC (190) CSA 56 CSARUNKC 54 CSARUPBT (1FC) CSA 57 CSASANAC (190) CSA 56 CSARUNKC 54 CSARUPBT (1FC) CSA 57 CSASANAC (104) CSA 53 CSASBII (64) CSA 52
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIP (BIT) CSA 51 CSAPLTRS (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPROTL (238) CSA 58 CSAPROTL (238) CSA 58 CSAPROTL (238) CSA 58 CSAPROTL (238) CSA 58 CSAPSCBA (1EC) CSA 58 CSAPSCBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSARUBA (78) CSA 52 CSARUBA (12C) CSA 53 CSARDATC (1BA) CSA 54 CSARUREA (12C) CSA 56 CSARUNKC 54 CSARUNKC 54 CSARUNKC 54 CSARUNKC 54 CSARUNKC 54 CSARUPBT (1FC) CSA 57 CSASANAC (104) CSA 52 CSASSTI (64) CSA 52 CSASCNAC (A4) CSA 52
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTRI (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTS 58 CSAPLTS (2A8) CSA 58 CSAPLTS (2A8) CSA 58 CSAPLTS (2A8) CSA 58 CSAPCOT (2A8) CSA 58 CSAPROTU (23C) CSA 58 CSAPROTU (23C) CSA 58 CSAPROTU (23C) CSA 58 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSARMST (18A) CSA 54 CSARMSEP (10C) CSA 53 CSARMSEP (FC) CSA 53 CSARNSEP (FC) CSA 53 CSARUNKC 54 CSARUPBT (1FC) CSA 57 CSASANAC (104) CSA 52 CSASCANAC (160) CSA 52 CSASCANAC (164) CSA 52 CSASCANAC (164) CSA 52 CSASCANAC (160) CSA 52 CSASCNAC (A4) CSA 52 CSASCPXM 1 CSA 61
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTPI (BIT) CSA 51 CSAPLTPI (BIT) CSA 58 CSAPLTPI (BIT) CSA 58 CSAPLTPS (BIT) CSA 58 CSAPLTYS 58 CSAPLTYS 58 CSAPLTYS 58 CSAPLTYS 58 CSAPPOLA 53 CSAPPROTA (238) CSA 55 CSAPROTA (238) CSA 55 CSAPROTA (238) CSA 58 CSAPSCBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSAQRTCB (10C) CSA 53 CSARDATC (1BA) CSA 54 CSARLREA (12C) CSA 56 CSARMSP (FC) CSA 53 CSARNATT (338) CSA 59 CSARMSP (FC) CSA 53 CSARNACC (104) CSA 56 CSARUNKC 54 CSARUNKC 5
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIU (2A9) CSA 58 CSAPLTIU (2AA) CSA 58 CSAPLTII (2AA) CSA 58 CSAPLTIV (BIT) CSA 51 CSAPLTPI (BIT) CSA 58 CSAPLTPI (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTYS 58 CSAPLTYS 58 CSAPCIA 53 CSAPROIL (238) CSA 58 CSAPROIL (238) CSA 58 CSAPROIL (238) CSA 58 CSAPROIL (23C) CSA 58 CSAPROIL (23C) CSA 58 CSAPROIL (23C) CSA 58 CSAPSOBA (1EC) CSA 57 CSAPSNAC (190) CSA 56 CSAPUBA (78) CSA 52 CSAQRTCB (10C) CSA 53 CSARDATC (1BA) CSA 54 CSARLREA (12C) CSA 56 CSARMSEP (FC) CSA 53 CSARNAC (190) CSA 56 CSARUNKC 54 CSARUPBT (1FC) CSA 57 CSASANAC (104) CSA 52 CSASCAAC (160) CSA 52 CSASCAAC (160) CSA 52 CSASCAAC (160) CSA 52 CSASCANC (160) CSA 52 CSASCANC (160) CSA 56 CSASCNAC (160) CSA 56 CSASCNAC (160) CSA 51 CSASDTA (1DC) CSA 57
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIU (2A9) CSA 58 CSAPLTIU (2AA) CSA 58 CSAPLTII (2AA) CSA 58 CSAPLTIV (BIT) CSA 51 CSAPLTPI (BIT) CSA 58 CSAPLTPI (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPLTYS 58 CSAPOLA 53 CSAPPFN 54 CSAPROTU (23C) CSA 58 CSAPROTU (23C) CSA 58 CSAPSOLA 53 CSAPSOLA 53 CSAPSOLA 53 CSARPOTU (23C) CSA 58 CSAPSOLA 56 CSAPUBA (78) CSA 52 CSARDATC (1BA) CSA 54 CSARLREA (12C) CSA 53 CSARDATC (1BA) CSA 54 CSARUNC 54 CSARUNC 54 CSARUPBT (1FC) CSA 53 CSARUNC 54 CSARUPBT (1FC) CSA 57 CSASANAC (104) CSA 52 CSASCAAC (160) CSA 52 CSASCAAC (160) CSA 52 CSASCAAC (160) CSA 52 CSASCANC (A4) CSA 52 CSASCANC (A4) CSA 57 CSASDTRN (BIT) CSA 51 CSASCEDL (1BB) CSA 57 CSASECRU (BIT) CSA 57 CSASESCRU (BIT) CSA 57
CSAPLISL 55 CSAPLISM (58) CSA 55 CSAPLTOM (BIT) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTID (2A9) CSA 58 CSAPLTIL (2AA) CSA 58 CSAPLTID (3A7) CSA 58 CSAPLTRS (BIT) CSA 51 CSAPLTRS (BIT) CSA 58 CSAPLTRS (BIT) CSA 58 CSAPLTSC (2A8) CSA 58 CSAPROTA (238) CSA 58 CSAPROTA (238) CSA 58 CSAPROTA (238) CSA 58 CSAPROTA (38) CSA 56 CSAPROTA (190) CSA 56 CSAPUBA (78) CSA 52 CSARTSA (190) CSA 56 CSAPUBA (78) CSA 58 CSAPLTSC (100) CSA 56 CSARMETT (18A) CSA 54 CSARMETA (12C) CSA 56 CSARMETA (138) CSA 59 CSARMSBP (FC) CSA 53 CSAROCSA (BC) CSA 53 CSAROCSA (BC) CSA 57 CSASANAC (104) CSA 52 CSARTSUA (154) CSA 57 CSASCNAC (A4) CSA 52 CSASCNAC (A4) CSA 52 CSASCNAC (A4) CSA 52 CSASCNAC (A4) CSA 52 CSASCNAC (A4) CSA 57 CSASDTRN (BIT) CSA 51 CSASECBL (1B8) CSA 57 CSASETRW (BIT) CSA 54

CSASKMNA (194) CSA 56 CSASMATK (390) CSA 59 CSASMITK (394) CSA 59 CSASNFLG (211) CSA 57 CSASNSTA (8) CSA 55 CSASNUSN (368) CSA 59 CSASNXRF (BIT) CSA 57 CSASOSI (48) CSA 51 CSASOSON (BIT) CSA 51 CSASPA1 (1ED) CSA 54 CSASPA2 (1EF) CSA CSASPA3 (1F1) CSA 54 CSASPFP2 (17C) CSA 54 CSASPFPA (80) CSA 52 CSASPNAC (198) CSA 54 CSASRAA (5C) CSA 55 CSASRNAC (20) CSA 55 CSASRTBA (24) CSA 55 CSASSA (1C0) CSA 57 CSASSI1 (48) CSA 51 (49) CSA 51 CSASSI2 CSASSI3 (C4) CSA 52 CSASTASK (BIT) CSA 52 CSASTIM (BIT) CSA 51 CSASTIME (98) CSA 52 CSASTPRO (BIT) CSA 53 CSASTRTA (1D4) CSA 57 CSASTYDP (74) CSA 55 CSASUSXN (36C) CSA 59 CSASUWTN (370) CSA 59 CSASUZXN (374) CSA 59 CSASVSNO 57 CSASVSVC 57 CSASZADA (3A4) CSA 59 CSATADJT (5C) CSA 52 CSATBSDD 58 CSATBSNA (1A4) CSA 56 CSATCA24 (F4) CSA 53 CSATCA31 53 CSATCADF (108) CSA 53 CSATCNAC (B4) CSA 52 CSATCNCA (10C) CSA 56 CSATCNCB (110) CSA 56 CSATCNCC (114) CSA 56 CSATCNCP (118) CSA 56 CSATCNCR 59 CSATCNCW (11C) CSA 56 CSATCNCX (120) CSA 56 CSATCNCY (124) CSA 56 CSATCNCZ (128) CSA 56 CSATCNDT (1B0) CSA 54 CSATCPEV (BIT) CSA 51 CSATCPQM (BIT) CSA 51 CSATCRWE (18C) CSA 54 CSATCSCN (BIT) CSA 51 CSATCSEA (1C4) CSA 57 (18C) CSA 54 CSATCTBA (128) CSA 53 CSATCTCA (B8) CSA 52 CSATCTSV (1D8) CSA 54 CSATDNA2 (384) CSA 59 CSATDNAC 54 CSATDNT (1F4) CSA 54 CSATDOLA (150) CSA 53 CSATDSTA (1E8) CSA 57 CSATMPNA (164) CSA 56 CSATMSVT (14) CSA 55 CSATODB (6C) CSA 52 CSATODP (50) CSA 51 (50) CSA 51 CSATODTU 54 CSATOLA 53 CSATPPEA (13C) CSA 56 CSATQIM (BIT) CSA 51 CSATRFEP 52 CSATRISO (BIT) CSA 53 CSATRMAS (BIT) CSA 52 CSATRMBF (BIT) CSA 52 CSATRMBM (BIT) CSA 52 CSATRMCR (BIT) CSA 52 CSATRMDC (BIT) CSA 52 CSATRMDI (BIT) CSA 52 CSATRMEI (BIT) CSA 52 CSATRMF1 (84) CSA 52 CSATRMF2 52

CSATRMF3	(86) CSA 52
CSATRMF4 CSATRMF5	(87) CSA 52 (88) CSA 52
CSATRWF6	(88) CSA 52 52
CSATRMFC	(BIT) CSA 52
CSATRMIC	(BIT) CSA 52
CSATRMIS	(BIT) CSA 52
CSATRMJC	(BIT) CSA 52
CSATRMKC CSATRMLF	(BIT) CSA 52 (BIT) CSA 52
CSATRMPC	(BIT) CSA 52
CSATRMRE	(BIT) CSA 52
CSATRMS1	(BIT) CSA 52
CSATRMS2	(BIT) CSA 52
CSATRMS3 CSATRMS4	(BIT) CSA 52 (BIT) CSA 52
CSATRWS4	(BIT) CSA 52 (BIT) CSA 52
CSATRMSC	(BIT) CSA 52
CSATRMSP	(BIT) CSA 52
CSATRMTC	(BIT) CSA 52
CSATRMTD	(BIT) CSA 52 (BIT) CSA 52
CSATRMTS CSATRMUE	(BIT) CSA 52 (BIT) CSA 52
CSATRNAC	(194) CSA 54
CSATRRAT	53
CSATRSYS	(BIT) CSA 52
CSATRUSE	(BIT) CSA 52
CSATSASA CSATSATA	(1EA) CSA 54 (134) CSA 53
CSATSIEC	(138) CSA 53
CSATSITK	(398) CSA 59
CSATSKCR	52
CSATSMSA	(1E7) CSA 54
CSATSNAC CSATSOLA	(188) CSA 54 (154) CSA 53
CSATSTBA	(154) CSA 53 (3C) CSA 55
CSAUEHNA	(17C) CSA 56
CSAUEM	(3F4) CSA 59
CSAUETBA	(1C8) CSA 57
CSAUNQID CSAURDTK	(90) CSA 52 57
	31
CSAUSKEY	52
CSAUSKEY CSAUTA1	52 (1F7) CSA 54
CSAUTA1 CSAUTA2	(1F7) CSA 54 (1FA) CSA 54
CSAUTA1 CSAUTA2 CSAUTA3	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWTOAD	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWTOAD CSAXFPNA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWTOAD CSAXFPNA CSAXFXNA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (200) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWTOAD CSAXFPNA CSAXFNA CSAXLTBA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWTOAD CSAXFPNA CSAXFXNA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (200) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAXTOAD CSAXFNA CSAXFNA CSAXLTBA CSAXAQONA CSAXRPNA CSAXRPNA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (200) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDAA CSAXFNA CSAXFNA CSAXIBA CSAXIBA CSAXRNA CSAXRNA CSAXRPNA CSAXRPNA CSAXRPNA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (1ED) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWEBAN CSAXFNNA CSAXFNNA CSAXFNNA CSAXFNNA CSAXFNT CSAXRPNA CSAXRPNA CSAXSEX CSAXSI (((1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (200) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAXFNA CSAXFNA CSAXFNA CSAXFNT CSAXRPNA CSAXRPNA CSAXRSX CSAXSEX CSAXSI (CSAXSI) (CSAXSI)	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (200) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 (BIT) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAXFNA CSAXFNA CSAXFNA CSAXFNT CSAXRPNA CSAXRPNA CSAXRSX CSAXSEX CSAXSI (CSAXSI) (CSAXSI)	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (200) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDAA CSAXFNNA CSAXFNNA CSAXFNNA CSAXFNT CSAXRPNA CSAXRPNA CSAXRPNA CSAXSEX CSAXSI (CSAXSI) CSAXSI2 CSAXSI3 CSAXSINC	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (1PD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWTOAD CSAXFNA CSAXFXNA CSAXFXNA CSAXALTBA CSAXQONA CSAXRFNT CSAXRFNT CSAXRFNT CSAXSEX CSAXSII (CSAXSI2 5 CSAXSI3 5 CSAXSINC CSAXSQ1	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (200) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDAA CSAXFNA CSAXFNA CSAXFNA CSAXFNA CSAXRFNT CSAXRPNA CSAXRSI CSAXSI (CSAXSI) CSAXSI CSAXSQ	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (1CD) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 (188) CSA 56 (30) CSA 55 56 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53
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CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDAA CSAXFNA CSAXFNA CSAXFNA CSAXFNA CSAXRFNT CSAXRPNA CSAXRSI CSAXSI (CSAXSI) CSAXSI CSAXSQ	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53
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CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDAA CSAXFNA CSAXFNA CSAXFNA CSAXFNT CSAXRPNA CSAXRPNA CSAXRPNA CSAXSI1 (CSAXSI2 CSAXSI3 5 CSAXSINC CSAXSI3 5 CSAXSINC CSAXSI3 5 CSAXSI1 CSAXSI1 CSAXSI1 CSAXSI1 CSAXSI3 CSAXST1 CSAXST1 CSAXST3 CSAXST3 CSAXST3 CSAXST3 CSAXST3	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (176) CSA 53 (176) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDAA CSAXFNA CSAXFNA CSAXFNA CSAXFNT CSAXRPNA CSAXRPNA CSAXRPNA CSAXSI1 (CSAXSI2 (CSAXSI3 CSAXSI1 CSAXSQ1 CSAXSQ2 CSAXST1 CSAXST1 CSAXST1 CSAXST1 CSAXST2 CSAXST3 CSAXSTM CSAXSTMA	(1F7) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (1PD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 55 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (175) CSA 53 (176) CSA 53 (22C) CSA 58
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDAA CSAXFNA CSAXFNA CSAXFNA CSAXFNT CSAXRPNA CSAXRPNA CSAXRPNA CSAXSI1 (CSAXSI2 CSAXSI3 5 CSAXSINC CSAXSI3 5 CSAXSINC CSAXSI3 5 CSAXSI1 CSAXSI1 CSAXSI1 CSAXSI1 CSAXSI3 CSAXST1 CSAXST1 CSAXST3 CSAXST3 CSAXST3 CSAXST3 CSAXST3	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (176) CSA 53 (176) CSA 53
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CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDAA CSAXFNA CSAXFNA CSAXFNA CSAXFNT CSAXRPNA CSAXRPNA CSAXRPNA CSAXSI1 (CSAXSI2 (CSAXSI3 CSAXSI1 CSAXSQ1 CSAXSQ2 CSAXST1 CSAXSQ1 CSAXSQ2 CSAXST1	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 55 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (175) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFOAD CSAXFNNA CSAXFNNA CSAXFNNA CSAXFNA CSAXFNA CSAXSI (CSAXSI) (CSAXSI) CSAXSI (CSAXSI) CSAXSI	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (176) CSA 53 (176) CSA 53 (176) CSA 53 (1776) CSA 53 (1776) CSA 53 (1777) CSA 53 (1778) CSA 53 (1779) CSA 53 (1779) CSA 53 (1779) CSA 53 (1779) CSA 53 (1779) CSA 53 (1779) CSA 53 (1776) CSA 53 (1776) CSA 53 (1777) CSA 53 (1777) CSA 53 (1778) CSA 53 (1779) CSA 53
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSCAC CSAWEBAN CSAWEBAN CSAXFNNA CSAXFNNA CSAXFNNA CSAXFNT CSAXRPNA CSAXRPNA CSAXRPNA CSAXRPNA CSAXRPNA CSAXSI (CSAXSI2 CSAXSI2 CSAXSI3 CSAXSI1 CSAXSQ1 CSAXSQ1 CSAXST1 CSAXSQ1 CSAXST1 CSAXST1 CSAXST3 CSAXSTM CSAZSDANA CSAZCQNA	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (176) CSA 53 (175) CSA 53 (175) CSA 53 (175) CSA 53 (175) CSA 53 (176) CSA 53 (177) CSA 53 (175) CSA 53 (176) CSA 53 (176) CSA 53 (177) CSA 53 (176) CSA 53
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CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSC CSAWEBAN CSAWFOAD CSAXFNAA CSAXFNA CSAXFNA CSAXFNA CSAXFNA CSAXRENT CSAXRENT CSAXRENT CSAXRENT CSAXSI (CSAXSI) (CSAXSI) CSAXSI2 CSAXSI2 CSAXSI2 CSAXSI3 CSAXSIC CSAXSI3 CSAXSIC CSAXSI	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (1CD) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 55 56 (188) CSA 56 (30) CSA 55 56 59 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (176) CSA 53 (176) CSA 53 (176) CSA 53 (1776) CSA 53 (1777) CSA 53 (1778) CSA 53 (1797) CSA 56 (1184) CSA 56 (1184) CSA 56 (1184) CSA 56 (1184) CSA 56 (1177) CSA 56
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSCAC CSAWEBAN CSAWFDNA CSAXFNNA CSAXFNNA CSAXFNT CSAXRPNA CSAXRPNA CSAXSI1 (CSAXSI2 (CSAXSI3 5 CSAXSI1 (CSAXSI1 CSAXSI1 CSAXII CSAXII CSAXII CSAXII CSAX	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (175) CSA 53 (175) CSA 53 (176) CSA 53 (176) CSA 53 (176) CSA 53 (177) CSA 53 (176) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (186) CSA 56 (187) CTXPA 61
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSE CSAWEBAN CSAWFDNA CSAXFNNA CSAXFNNA CSAXFNT CSAXRPNA CSAXSEX CSAXSI (CSAXSI) (CSAXSI) CSAXSI	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (176) CSA 55 (114) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (181) CTXPA 61 (23) CTXPA 61
CSAUTA1 CSAUTA2 CSAUTA3 CSAUTA4 CSAVSCAA CSAVSCAC CSAWEBAN CSAWFDNA CSAXFNNA CSAXFNNA CSAXFNT CSAXRPNA CSAXRPNA CSAXSI1 (CSAXSI2 (CSAXSI3 5 CSAXSI1 (CSAXSI1 CSAXSI1 CSAXII CSAXII CSAXII CSAXII CSAX	(1F7) CSA 54 (1FA) CSA 54 (1FA) CSA 54 (1FD) CSA 54 (200) CSA 54 (1E4) CSA 57 1 CSA 60 (218) CSA 57 (190) CSA 54 55 (188) CSA 56 (30) CSA 55 56 59 (31C) CSA 59 (BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 BIT) CSA 53 (BIT) CSA 53 (BIT) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (174) CSA 53 (175) CSA 53 (175) CSA 53 (175) CSA 53 (176) CSA 53 (176) CSA 53 (176) CSA 53 (177) CSA 53 (176) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (184) CSA 56 (186) CSA 56 (187) CTXPA 61

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EXAMINENT Colon MMEXIC 229 EXAMINENT Colon	EXCMNFCN (90) MNEXC 229	FC_ADDR3 (C) FCE 127
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EXCHANGE (8) MARKEX 229 EXCHANGE (14) MARKEX 229 EXCHANGE (14) MARKEX 229 EXCHANGE (14) MARKEX 229 EXCHANGE (14) MARKEX 229 EXCHANGE (15) MARKEX 229 EXCHANGE (16) MARKEX 229 EX		
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LFDSOFRX (3C) LFM 199	LGSPKFWTRS (34) LGSDS 206
LFDSOFRY (40) LFM 199	LGSRETPD (6C) LGSDS 206
LFDSPOWN (54) LFM 199	LGSRTYERRS (4C) LGSDS 206
LFDSSAVE (BIT) LFM 198	LGSSLNO (BIT) LGSDS 206
LFDSSMOD 199	LGSSLYES (BIT) LGSDS 206
LFDSSVDR (48) LFM 199	LGSSTRNAM 206
LFDSTASN 199	LGSSTRUC 206
LFDSTRFL (5C) LFM 199	LGSSYSLG (54) LGSDS 206
LFDSUSS1 199	LGSTFCWAIT (38) LGSDS 206
LFDSUSS2 (80) LFM 199	LGSVERS (BIT) LGSDS 206
LFFMHV (BIT) FMH 163	LGSWRITES 206
LFLPTRCN (BIT) LFM 198	LIFO
LFLPTRIC (BIT) LFM 198	LIFO parameter list and standard DSA, LFM 198
LFLPTRRC (BIT) LFM 198	XRF LIFO stack area, WXL 547
LFLPTRRN (BIT) LFM 198	XRF LIFO workspace, WDL 512
LFLPTRTR (BIT) LFM 198	LIFO_INT (0) DCR 65
LFM 198	line
LFMH (BIT) FMH 156	terminal abnormal condition line entry, TACLE 329
LFMH0202 (BIT) FMH 156	terminal control table line entry, TCTLE 362
LFMH0202 (BIT) FMH 156 LFMHCICS (BIT) FMH 163	terminal control table line entry, TCTLE 362 LINE_SEG (0) DCR 65
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LFMHCICS (BIT) FMH 163	LINE_SEG (0) DCR 65
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_NUMBER (20) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_NUMBER (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_NUMBER (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_NUMBER (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_TYPE_OFH 3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 end/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSML (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_DATA (28) LGGF 200 LGBH_DATA (28) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_DATA (28) LGGF 200 LGBH_DATA (28) LGGF 200 LGBH_DATA (28) LGGF 200 LGBH_LDATA (28) LGGF 200 LGBH_LDATA (28) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 end/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_BT_DFH (20) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_DATA (28) LGGF 200 LGBH_DATA (28) LGGF 200 LGBH_GENERIC_APPLID (8) LGGF 200 LGBH_GENERIC_APPLID (8) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_DF1 3 LGGF 202 LGBH_BLOCK_TYPE_DF3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VER (70) LGGF 200 LGBH_BLOCK_OF (8) LGGF 200 LGBH_BT_DF1 (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_FLAGS (5) LGGF 200 LGBH_FLAGS (5) LGGF 200 LGBH_GENERIC_APPLID (8) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUC 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSML (BIT) FMH 163 LFMHSML (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_GO LGGF 200 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_FLAGS (5) LGGF 200 LGBH_FLAGS (5) LGGF 200 LGBH_GLOBAL_INFO 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_GLOBAL_INFO 200 LGBH_GLOBAL_INFO 200 LGBH_LOG_TYPE_GENERAL 1 LGGF 202	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_LGATA (28) LGGF 200 LGBH_CAS (5) LGGF 200 LGBH_GENERIC_APPLID (8) LGGF 200 LGBH_LOG_TYPE_SPSTEM 1 LGGF 202 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUC 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_YFE (6) LGGF 200 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_COBAL_INFO 200 LGBH_COBAL_INFO 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_ARROW (0) LGGF 200 LGBH_CSS_INFO (8) LGGF 200 LGBH_CSS_INFO (8) LGGF 200 LGBH_CAGS (5) LGGF 200 LGBH_CAGS (5) LGGF 200 LGBH_COS_INFO (8) LGGF 200 LGBH_COS_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_GMT (10) LGGF 200 LGBH_START_LOCAL (18) LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list definition, XCTRC 548 parameter list definition, XCTRC 548 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_OFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_GENERIC_APPLID (8) LGGF 200 LGBH_GLOBAL_INFO 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGGF 200	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list, FCE 126 gntran stub parameter list, FCE 126 gntran stub parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_YFE (6) LGGF 200 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_ARROW (0) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_COS_INFO (8) LGGF 200 LGBH_COS_INFO (8) LGGF 200 LGBH_COS_TYPE 200 LGBH_GOS_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_GMT (10) LGGF 200 LGGMS 203	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_LCGS_INFO (8) LGGF 200 LGBH_GENERIC_APPLID (8) LGGF 200 LGBH_GLOBAL_INFO 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGGH_START_LOCAL (18) LGGF 200 LGGH_START_LOCAL (18) LGGF 200 LGGMS 203 LGRBUFLSH (38) LGRDS 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 202 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_ARROW (0) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_GATA (28) LGGF 200 LGBH_GATA (28) LGGF 200 LGBH_COG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_GMT (10) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGGR 200 LGMS 203 LGRBUFLSH (38) LGRDS 205 LGRBUTES (30) LGRDS 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list adstandard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUC 207 parameter list, LUC 207 static storage area address list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WSS 534
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW1 LGGF 202 LGBH_BLOCK_TYPE_ARROW1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CAS (5) LGGF 200 LGBH_CAS (5) LGGF 200 LGBH_LOG_TYPE_SPSTEM 1 LGGF 202 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_LOCAL (18) LGGF 200 LGBS 203 LGRBUFLSH (38) LGRDS 205 LGRBVTES (30) LGRDS 205 LGRBVTES (30) LGRDS 205 LGRBVTES (30) LGRDS 205 LGRDS 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WSS 534 XRF parameter list, WS2 537
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_DF1 3 LGGF 202 LGBH_BLOCK_TYPE_DF1 3 LGGF 202 LGBH_BLOCK_YPE_GF1 3 LGGF 202 LGBH_BLOCK_VER(6) LGGF 200 LGBH_BLOCK_VER(6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_DF1 (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_COS_TYPE (20) LGBH_GENERIC_APPLID (8) LGGF 200 LGBH_GOS_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGMS_203 LGRBUFLSH (38) LGRDS 205 LGRBYTES (30) LGRDS 205 LGRDSLEN (BIT) LGRDS 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WSS 534 XRF parameter list, WSS 537 XRF parameter list, WSS 538
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_GENERIC_APPLID (8) LGGF 200 LGBH_GLOBAL_INFO 200 LGBH_LOG_TYPE_200 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGGH_START_GMT (10) LGGF 200 LGGF 200 LGGF 200 LGGBS 203 LGRBUFLSH (38) LGRDS 205 LGRBS 205 LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDVERS (4) LGRDS 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 end/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WSS 534 XRF parameter list, WS2 537 XRF parameter list, WS3 538 LLDC 207
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 160 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_GATA (28) LGGF 200 LGBH_GATA (28) LGGF 200 LGBH_GADAL INFO 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGRDS 203 LGRBUFLSH (38) LGRDS 205 LGRBVTES (30) LGRDS 205 LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDVERS (4) LGRDS 205 LGREND 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list definition, XCTRC 548 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUC 207 parameter list, LUC 207 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WSS 534 XRF parameter list, WS2 537 XRF parameter list, WS3 538 LLDC 207 LLDCCD (2) LLDC 207
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 163 LFMHSMM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW1 LGGF 202 LGBH_BLOCK_TYPE_DF13 LGGF 202 LGBH_BLOCK_YPE_DF3 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_ARROW (0) LGGF 200 LGBH_BT_DF1 (1) LGGF 200 LGBH_BT_DF1 (1) LGGF 200 LGBH_CCS_INFO (8) LGGF 200 LGBH_CS_INFO (8) LGGF 200 LGBH_CS_INFO (8) LGGF 200 LGBH_CS_INFO (20) LGBH_COS_TYPE_OPENERAL 1 LGGF 200 LGBH_COS_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGMS 203 LGRBUFLSH (38) LGRDS 205 LGRDS_LEN (BIT) LGRDS 205 LGRDS_LEN (BIT) LGRDS 205 LGRDS_LEN (BIT) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDVERS (4) LGRDS 205 LGREND 205 LGRE	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WSS 534 XRF parameter list, WS3 538 LLDC 207 LLDCCD (2) LLDC 207 LLDCEND (BIT) LLDC 207
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 163 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_COBAL_INFO 200 LGBH_GENERIC_APPLID (8) LGGF 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGMS 203 LGRBUFLSH (38) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRID (2) LGRDS 205 LGRID (BIT) LGRDS 205 LGRID (BIT) LGRDS 205 LGRID (BIT) LGRDS 205 LGRID (2) LGRDS 205 LGRID (BIT) LGRDS 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, NGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WSS 534 XRF parameter list, WS2 537 XRF parameter list, WS3 538 LLDC 207 LLDCCD (2) LLDC 207 LLDCEND (BIT) LLDC 207 LLDCEND (BIT) LLDC 207
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 163 LFMHSM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_YERSION_NO 2 LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_BT_DFH (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_GBNERIC_APPLID (8) LGGF 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_GMT (10) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGGBS 203 LGRBYTES (30) LGRDS 205 LGRDS 205 LGRDS 205 LGRDVERS (4) LGRDS 205 LGRDVERS (4) LGRDS 205 LGRDVERS (4) LGRDS 205 LGRID (2) LGRDS 205 LGRID (2) LGRDS 205 LGRINLNAME 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, SNGS 316 interval control EXEC parameter list, SNGS 316 interval control EXEC parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list and standard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUM 213 program control EXEC argument list, PCE 252 program list table entry, PLT 267 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WSS 534 XRF parameter list, WS2 537 XRF parameter list, WS2 537 XRF parameter list, WS2 537 LLDC 207 LLDCCD (2) LLDC 207 LLDCEND (BIT) LLDC 207 LLDCEXT (BIT) LLDC 207 LLDCFLGS (0) LLDC 207
LFMHCICS (BIT) FMH 163 LFMHDVD (BIT) FMH 163 LFMHSMM (BIT) FMH 163 LFMHSMDL (BIT) FMH 163 LGBH_BLOCK_HEADER (0) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_INFO (20) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE (0) LGGF 200 LGBH_BLOCK_TYPE_ARROW 1 LGGF 202 LGBH_BLOCK_TYPE_DFH 3 LGGF 202 LGBH_BLOCK_VER (6) LGGF 200 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BLOCK_VERSION_NO 2 LGGF 202 LGBH_BT_DFH (1) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_BT_DFH (1) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_CICS_INFO (8) LGGF 200 LGBH_COS_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE 200 LGBH_LOG_TYPE_GENERAL 1 LGGF 202 LGBH_LOG_TYPE_SYSTEM 1 LGGF 202 LGBH_START_GMT (10) LGGF 200 LGBH_START_LOCAL (18) LGGF 200 LGGF 200 LGMS 203 LGRBUFLSH (38) LGRDS 205 LGRDS_LCR (BIT) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRDSLEN (BIT) LGRDS 205 LGRID (2) LGRDS 205 LGRID (2) LGRDS 205 LGRIDR (BIT) LGRDS 205 LGRIDR (BIT) LGRDS 205 LGRJNINAME 205 LGRJTYPE (10) LGRDS 205 LGRJTYPE (10) LGRDS 205	LINE_SEG (0) DCR 65 LINEOS (BIT) TEPCA 424 link user exit program link, UEPL 491 list cics-dbctl XRF user exit parameter list, DXUEP 103 command list table, CLT 49 enq/deq EXEC parameter list, NQUE 244 file control EXEC argument list, FCE 126 gntran stub parameter list, FCE 126 gntran stub parameter list for cegn, SNGN 315 goodnight transaction parameter list, ICUE 172 keypoint list element, KPLEC 195 LIFO parameter list adstandard DSA, LFM 198 parameter list definition, XCTRC 548 parameter list, LUC 207 parameter list, LUC 207 parameter list, LUC 207 static storage area address list, SSA 325 table manager parameter list, TMRQ 432 TCP modules address list, ZEPD 581 temporary storage EXEC parameter list, TSUE 455 trace parameter list, TRAP 442 transaction list table, XLT 557 transient data EXEC parameter list, TDUE 419 user supplied route list entry, URL 494 XRF CAVM state manager parameter list, WS2 537 XRF parameter list, WS2 537 XRF parameter list, WS3 538 LLDC 207 LLDCCD (2) LLDC 207 LLDCEND (BIT) LLDC 207 LLDCENT (BIT) LLDC 207 LLDCLEN (BIT) LLDC 207 LLDCLEN (BIT) LLDC 207
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OSPPFNCR OSPPFNFL OSPPFSA OSPPFWRK OSPPGAS OSPPGN OSPPGN OSPPGN OSPPL1 OSPPLT1 OSPPLTES OSPPLTL	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 250 (BIT) OSPWA 248 (94) OSPWA 249 (120) OSPWA 251 (96) OSPWA 250 (EO) OSPWA 250 (EO) OSPWA 249 (BIT) OSPWA 249 (EI) OSPWA 249 (EI) OSPWA 249
OSPPENCR OSPPENFL OSPPENR OSPPGN OSPPGN OSPPGN OSPPGN OSPPL1 OSPPLTI OSPPLTL OSPPLTL OSPPLTL OSPPLTNE	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 251 (96) OSPWA 250 (E0) OSPWA 250 (E0) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249
OSPPENCR OSPPENFL OSPPENRK OSPPGAS OSPPGN OSPPGN OSPPGN OSPPL1 OSPPL1 OSPPLTI OSPPLTLS OSPPLTL OSPPLTNE OSPPOF	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (BIT) OSPWA 249 (120) OSPWA 251
OSPPENCR OSPPENFL OSPPENR OSPPGN OSPPGN OSPPGN OSPPGN OSPPL1 OSPPLTI OSPPLTL OSPPLTL OSPPLTL OSPPLTNE	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (BIT) OSPWA 249 (120) OSPWA 251
OSPPFNCR OSPPFSA OSPPFSA OSPPGSA OSPPGNO OSPPGNO OSPPLT1 OSPPLT1 OSPPLTL OSPPLTL OSPPLTBO	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 250 (BIT) OSPWA 248 (94) OSPWA 249 (120) OSPWA 251 (96) OSPWA 249 (BIT) OSPWA 249
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLT OSPPLTI OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTNE OSPPSN OSPPSN OSPR14SV	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 250 (BIT) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (BIT) OSPWA 250 (BIT) OSPWA 249 (BIT) OSPWA 249
OSPPENCR OSPPENFL OSPPENRL OSPPENRL OSPPGN OSPPGN OSPPGN OSPPL1 OSPPLT1 OSPPLTE OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPSN OSPRA	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 251 (96) OSPWA 250 (E0) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (120) OSPWA 251 (60) OSPWA 249 (120) OSPWA 249
OSPPENCR OSPPENFL OSPPENRL OSPPENRL OSPPGN OSPPGN OSPPGN OSPPL1 OSPPLT1 OSPPLTE OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPSN OSPRA	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 251 (96) OSPWA 250 (E0) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (120) OSPWA 251 (60) OSPWA 249 (120) OSPWA 249
OSPPENCR OSPPENFL OSPPENRL OSPPENRL OSPPGN OSPPGN OSPPGN OSPPL1 OSPPLT1 OSPPLT1 OSPPLTL OSPPLTL OSPPLTL OSPPLT OSPPLT OSPPLT OSPPLT OSPPLT OSPPLT OSPPLT OSPPSN OSPR14SV OSPRA OSPRC1	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (196) OSPWA 250 (196) OSPWA 249 (197) OSPWA 249
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLT OSPPLTI OSPPLTL OSPPLTL OSPPLTL OSPPLTB OSPR OSPR OSPR OSPR OSPR OSPR OSPR OSPR	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (120) OSPWA 250 (120) OSPWA 250 (E0) OSPWA 249 (E1T) OSPWA 249 (E1T) OSPWA 249 (BIT) OSPWA 249
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLT OSPPLTI OSPPLTL OSPPLTL OSPPLTL OSPPLTB OSPR OSPR OSPR OSPR OSPR OSPR OSPR OSPR	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 . (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (BIT) OSPWA 250 (BIT) OSPWA 250 (EO) OSPWA 250 (EO) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (84) OSPWA 249 (81) OSPWA 249 (81) OSPWA 249 (81) OSPWA 250 (110) OSPWA 250 (111) OSPWA 250 (111) OSPWA 250
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLT OSPPLTI OSPPLTIL OSPPLTIL OSPPLTIL OSPPLTIL OSPPLTINE OSPPOF OSPPSN OSPR14SV OSPRA OSPRC1 OSPRC2 OSPRC3	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 . (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (BIT) OSPWA 250 (BO) OSPWA 250 (EO) OSPWA 250 (EO) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (84) OSPWA 249 (81) OSPWA 249 (81) OSPWA 249 (81) OSPWA 249 (81) OSPWA 250 (110) OSPWA 250 (111) OSPWA 250
OSPPENCR OSPPENTL OSPPENTL OSPPENTL OSPPGN OSPPGN OSPPGN OSPPLT OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPSN OSPRA OSPRC1 OSPRC2 OSPRC3 OSPRCODE	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247
OSPPFNCR OSPPFSA OSPPFSA OSPPGSA OSPPGSO OSPPGN OSPPGN OSPPLT OSPPLTI OSPPLTI OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTA OSPRA OSPRA OSPRA OSPRA OSPRC	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (BIT) OSPWA 250 (BIT) OSPWA 250 (BIT) OSPWA 249 (BIT) OSPWA 250 (120) OSPWA 249 (84) OSPWA 250 (11D) OSPWA 250 (11D) OSPWA 250 (11E) OSPWA 250 (24F) OSPWA 251 (28D) OSPWA 251
OSPPENCR OSPPENTL OSPPENTL OSPPENTL OSPPGN OSPPGN OSPPGN OSPPLT OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPSN OSPRA OSPRC1 OSPRC2 OSPRC3 OSPRCODE	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPL1 OSPPLTI OSPPLTIC OSPPLTI OSPPLTIC OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPCO OSPRA OSPRA OSPRA OSPRC1 OSPRC2 OSPRC3 OSPRC3 OSPRCODE OSPRCODE OSPROA	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 - (112) OSPWA 248 (94) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (E0) OSPWA 249 (E17) OSPWA 250 (E0) OSPWA 250 (11E) OSPWA 250 (11E) OSPWA 250 (11E) OSPWA 250 (2AF) OSPWA 251 (2BO) OSPWA 251 (BIT) OSPWA 251 (BIT) OSPWA 251
OSPPENCR OSPPENTA OSPPENTA OSPPENTA OSPPGNO OSPPGNO OSPPLT1 OSPPLTS OSPPLTL OSPPLTL OSPPLTL OSPPLTS OSPPSN OSPRA OSPRC1 OSPRC2 OSPRC3 OSPRC02 OSPRC04 OSPRC04 OSPRC04 OSPRC04 OSPRC04 OSPRC04 OSPRC05 OSPRC05 OSPRC06 OSPRC07 OSPRC06 OSPRC07	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247
OSPPENCR OSPPENTL OSPPENTL OSPPENTL OSPPGN OSPPGN OSPPGN OSPPLT OSPPLTI OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPCI OSPRO OSPRO OSPRC	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 248 (94) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (170) OSPWA 250 (170) OSPWA 248 (170) OSPWA 248
OSPPENCR OSPPENTA OSPPENTA OSPPENTA OSPPGNO OSPPGNO OSPPLT1 OSPPLTS OSPPLTL OSPPLTL OSPPLTL OSPPLTS OSPPSN OSPRA OSPRC1 OSPRC2 OSPRC3 OSPRC02 OSPRC04 OSPRC04 OSPRC04 OSPRC04 OSPRC04 OSPRC04 OSPRC05 OSPRC05 OSPRC06 OSPRC07 OSPRC06 OSPRC07	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 248 (94) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (170) OSPWA 250 (170) OSPWA 248 (170) OSPWA 248
OSPPFNCR OSPPFNAL OSPPFSA OSPPGNO OSPPGNO OSPPGNO OSPPLT1 OSPPLT1B OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPLTL OSPPC3 OSPRA OSPRA OSPRA OSPRC3 OSPRC3 OSPRC0DE OSPRCODE OSPRODSPCODE OSPRODSPCO OSPREO OSPREO OSPREO	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (21) OSPWA 248 (94) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (BIT) OSPWA 249 (120) OSPWA 249 (84) OSPWA 250 (110) OSPWA 250 (11D) OSPWA 251 (2BO) OSPWA 251 (BIT) OSPWA 248 (10B) OSPWA 254 (10B) OSPWA 248 (10B) OSPWA 248
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPCO OSPRA OSPRA OSPRA OSPRC1 OSPRC2 OSPRC3 OSPRCODE OSPRCODE OSPRCODE OSPRCOD OSPREQCD OSPREQID	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (120) OSPWA 250 (120) OSPWA 250 (120) OSPWA 250 (E0) OSPWA 249 (E1) OSPWA 250 (10) OSPWA 250 (11E) OSPWA 250 (11E) OSPWA 250 (11E) OSPWA 250 (11D) OSPWA 250
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPCO OSPRA OSPRA OSPRA OSPRC1 OSPRC2 OSPRC3 OSPRCODE OSPRCODE OSPRCODE OSPRCOD OSPREQCD OSPREQID	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPCO OSPRA OSPRA OSPRA OSPRC1 OSPRC2 OSPRC3 OSPRCODE OSPRCODE OSPRCODE OSPRCOD OSPREQCD OSPREQID	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (120) OSPWA 250 (120) OSPWA 250 (120) OSPWA 250 (E0) OSPWA 249 (E1) OSPWA 250 (10) OSPWA 250 (11E) OSPWA 250 (11E) OSPWA 250 (11E) OSPWA 250 (11D) OSPWA 250
OSPPFNCR OSPPFNAL OSPPFSA OSPPGNS OSPPGNO OSPPGNO OSPPLT OSPPLTI OSPPLTI OSPPLTIC OSPPLTI OSPPLTIC OSPPLTIC OSPPCO OSPRA OSPRA OSPRA OSPRC3 OSPRC3 OSPRC3 OSPRCODE OSPRC1 OSPRDA OSPRDISP OSPREO OSPREO OSPREO OSPREQID OSPREQID OSPREQID OSPRETII OSPRETII	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (20) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (196) OSPWA 249 (196) OSPWA 249 (197) OSPWA 250 (197) OSPWA 248 (197) OSPWA 248 (197) OSPWA 249 (197) OSPWA 249 (197) OSPWA 249
OSPPFNCR OSPPFNSA OSPPFSA OSPPGSN OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTIS OSPPLTI OSPPLTIS OSPPLTI OSPPLTIO OSPPCO OSPRA OSPRA OSPRA OSPRC2 OSPRC3 OSPRC0 OSPRCODE OSPRCODE OSPREO OSPRETIIO OSPRETIIO OSPRETIIO	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 248 (94) OSPWA 248 (94) OSPWA 249 (120) OSPWA 249 (121) OSPWA 249 (120) OSPWA 249 (121) OSPWA 249 (120) OSPWA 249 (121) OSPWA 250 (11D) OSPWA 248 (10B) OSPWA 249 (10B) OSPWA 249
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPCO OSPRC1 OSPRC1 OSPRC2 OSPRC3 OSPRC0DE OSPRC2 OSPRC3 OSPRCODE OSPRCYCT OSPRDA OSPRDISP OSPREQUD OSPREQUD OSPREQUD OSPREGUI OSPRETII OSPRETII OSPRETIIO OSPRETIG	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 - (112) OSPWA 248 (94) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (ED) OSPWA 249 (ET) OSPWA 250 (ET) OSPWA 248 (ET) OSPWA 248 (ET) OSPWA 249
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPCO OSPRC1 OSPRC1 OSPRC2 OSPRC3 OSPRC0DE OSPRC2 OSPRC3 OSPRCODE OSPRCYCT OSPRDA OSPRDISP OSPREQUD OSPREQUD OSPREQUD OSPREGUI OSPRETII OSPRETII OSPRETIIO OSPRETIG	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 - (112) OSPWA 248 (94) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (ED) OSPWA 249 (ET) OSPWA 250 (ET) OSPWA 248 (ET) OSPWA 248 (ET) OSPWA 249
OSPPENCR OSPPENTA OSPPENTA OSPPENTA OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTIS OSPPLTI OSPPLTIL OSPPLTIA OSPRC1 OSPRC2 OSPRC3 OSPRC2 OSPRC3 OSPRC0DE OSPRC9 OSPRC9 OSPREODD OSPREQDD OSPREQDD OSPREQDI OSPRETID OSPRETID OSPRETID OSPRETIG OSPR	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTI OSPPLTIC OSPPLTI OSPPLTIC OSPPCI OSPRA OSPRA OSPRA OSPRA OSPRCI OSPRC2 OSPRC3 OSPRCODE OSPRCODE OSPRCODE OSPREO OSPREQID OSPREQID OSPRETID OSPRETID OSPRETID OSPRETID OSPRETIG	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (120) OSPWA 249 (120) OSPWA 250 (110) OSPWA 250 (11D) OSPWA 250 (11D) OSPWA 250 (11D) OSPWA 250 (11E) OSPWA 250 (11D) OSPWA 250 (24F) OSPWA 250 (10B) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 249 (10B) OSPWA 249 (10B) OSPWA 249 (10B) OSPWA 249 (10B) OSPWA 248 (11D) OSPWA 250 (11D) OSPWA 248 (11D) OSPWA 248 (11D) OSPWA 249 (11D) OSPWA 249 (11D) OSPWA 248 (11D) OSPWA 248 (11D) OSPWA 248
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTIS OSPPLTI OSPPLTIS OSPPLTI OSPPLTIO OSPRA OSPRA OSPRA OSPRA OSPRC2 OSPRC3 OSPRC2 OSPRC3 OSPRCODE OSPRCODE OSPREOD OSPREOD OSPREOD OSPREOD OSPREOD OSPRETID OSPRI ((OSPRIEND	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 248 (94) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (120) OSPWA 250 (120) OSPWA 249 (120) OSPWA 249 (120) OSPWA 249 (121) OSPWA 249 (121) OSPWA 249 (121) OSPWA 249 (120) OSPWA 249 (121) OSPWA 249 (121) OSPWA 250 (11D) OSPWA 248 (10B) OSPWA 249 (10B) OSPWA 249 (10B) OSPWA 249 (10B) OSPWA 248 (11D) OSPWA 248
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTI OSPPLTIC OSPPLTI OSPPLTIC OSPPCI OSPRA OSPRA OSPRA OSPRA OSPRCI OSPRC2 OSPRC3 OSPRCODE OSPRCODE OSPRCODE OSPREO OSPREQID OSPREQID OSPRETID OSPRETID OSPRETID OSPRETID OSPRETIG	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 247 (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 250 (120) OSPWA 249 (120) OSPWA 250 (110) OSPWA 250 (11D) OSPWA 250 (11D) OSPWA 250 (11D) OSPWA 250 (11E) OSPWA 250 (11D) OSPWA 250 (24F) OSPWA 250 (10B) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 249 (10B) OSPWA 249 (10B) OSPWA 249 (10B) OSPWA 249 (10B) OSPWA 248 (11D) OSPWA 250 (11D) OSPWA 248 (11D) OSPWA 248 (11D) OSPWA 249 (11D) OSPWA 249 (11D) OSPWA 248 (11D) OSPWA 248 (11D) OSPWA 248
OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPENCR OSPPGNO OSPPGNO OSPPL1 OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPRI OSPRC2 OSPRC3 OSPRC0DE OSPRC2 OSPRC3 OSPRCDI OSPREDI OSPREDI OSPREDI OSPREDI OSPREDI OSPREDI OSPRETI OSPRETID OSPRETID OSPRETID OSPRETID OSPRETID OSPRETID OSPREI OSPRI (E) OSPRI (E) OSPRI (SSPRI (E) OSPRI (SSPRI (SS	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 - (112) OSPWA 247 - (112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 249 (120) OSPWA 250 (ED) OSPWA 249 (BIT) OSPWA 250 (120) OSPWA 249 (BIT) OSPWA 250 (11D) OSPWA 250 (11D) OSPWA 250 (11E) OSPWA 250 (2AF) OSPWA 251 (2BO) OSPWA 251 (BIT) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 249 (BIT) OSPWA 249 (BIT) OSPWA 248 (BIT) OSPWA 249 (BIT) OSPWA 248 (BIT) OSPWA 250 (BIT) OSPWA 248 (BIT) OSPWA 251
OSPPENCR OSPPENTL OSPPENTL OSPPENT OSPPGN OSPPGN OSPPGN OSPPLT OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPPLTI OSPRO OSPRC1 OSPRC2 OSPRC3 OSPRC2 OSPRC3 OSPRC0DE OSPRC9 OSPREODD OSPREQDD OSPREQDD OSPREQDD OSPRETID	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (20) OSPWA 247 (2112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 251 (96) OSPWA 251 (96) OSPWA 249 (BIT) OSPWA 250 (120) OSPWA 250 (110) OSPWA 250 (1110) OSPWA 250 (1110) OSPWA 250 (115) OSPWA 250 (115) OSPWA 250 (116) OSPWA 250 (117) OSPWA 250 (118) OSPWA 250 (118) OSPWA 250 (119) OSPWA 250 (119) OSPWA 250 (110B) OSPWA 250 (110B) OSPWA 250 (110B) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 249 (10B) OSPWA 250 (117) OSPWA 249 (117) OSPWA 249 (117) OSPWA 249 (117) OSPWA 250 (117) OSPWA 249 (117) OSPWA 250 (117) OSPWA 251
OSPPFNCR OSPPFNCR OSPPFNSA OSPPFNSA OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTIS OSPPLTI OSPPLTIC OSPPLTI OSPPLTIC OSPPLTI OSPPLTI OSPPLTIC OSPPCO OSPRA OSPRA OSPRA OSPRCO OSPRCO OSPRCO OSPRCO OSPREO OS	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (212) OSPWA 248 (94) OSPWA 248 (94) OSPWA 249 (120) OSPWA 249 (121) OSPWA 249 (120) OSPWA 249 (121) OSPWA 249 (120) OSPWA 249 (121) OSPWA 250 (11D) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 249 (10B) OSPWA 249 (11D) OSPWA 251
OSPPFNCR OSPPFNCR OSPPFNSA OSPPFNSA OSPPGNO OSPPGNO OSPPLTI OSPPLTI OSPPLTIS OSPPLTI OSPPLTIC OSPPLTI OSPPLTIC OSPPLTI OSPPLTI OSPPLTIC OSPPCO OSPRA OSPRA OSPRA OSPRCO OSPRCO OSPRCO OSPRCO OSPREO OS	(115) OSPWA 250 (113) OSPWA 250 (20) OSPWA 247 (20) OSPWA 247 (2112) OSPWA 248 (94) OSPWA 249 (120) OSPWA 251 (96) OSPWA 251 (96) OSPWA 249 (BIT) OSPWA 250 (120) OSPWA 250 (110) OSPWA 250 (1110) OSPWA 250 (1110) OSPWA 250 (115) OSPWA 250 (115) OSPWA 250 (116) OSPWA 250 (117) OSPWA 250 (118) OSPWA 250 (118) OSPWA 250 (119) OSPWA 250 (119) OSPWA 250 (110B) OSPWA 250 (110B) OSPWA 250 (110B) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 248 (10B) OSPWA 249 (10B) OSPWA 250 (117) OSPWA 249 (117) OSPWA 249 (117) OSPWA 249 (117) OSPWA 250 (117) OSPWA 249 (117) OSPWA 250 (117) OSPWA 251
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SITCODPG (21C) SIT 292 SITCOMA (18) SIT 288 SITCOMA_X 294 SITCONF (79) SIT 289 SITCONFDATA_HIDETC (BIT) SIT 289 SITCONFTXT_YES (BIT) SIT 289 SITCSAOP_X (BIT) SIT 295 SITCSCR (BIT) SIT 296 SITCSDAC (7CC) SIT 296 SITCSDBD (7C0) SIT 296 SITCSDBI (7BC) SIT 296 SITCSDFR (7C8) SIT 296 SITCSDIS (7CD) SIT 296 SITCSDJI (7C6) SIT 296 SITCSDLS (7C4) SIT 296 SITCSDOL 1 SIT 299 SITCSDRC (7CA) SIT 296 SITCSDRO 1 SIT 299 SITCSDRW 1 SIT 299 SITCSDSH 1 SIT 299 SITCSDSN (78C) SIT 296 SITCSDSN (76C) SIT 296 SITCSDST (7B8) SIT 296 SITCSFUZ 1 SIT 299 SITCSIMG (7CB) SIT 296 SITCSNRI (BIT) SIT 296 SITCSRCA 1 SIT 299 SITCSRCB 1 SIT 299 SITCSRCN 1 SIT 299 SITCSRLS 296 SITCSRR (BIT) SIT 296 SITCSSHA 1 SIT 299 SITCWA (A) SIT 288 SITCWA_X (BIT) SIT 294 SITCWAKY (BIT) SIT 291 SITCWAKY_X (BIT) SIT 296 SITDAE (BIT) SIT 289 SITDAE_X (BIT) SIT 294 SITDATFM 289 SITDB2N 1 SIT 300 SITDB2OP (1FC) SIT 292 SITDB2Y 1 SIT 300 SITDBCOP (1FB) SIT 292 SITDBCTN 1 SIT 300 SITDBCTY 1 SIT 300 SITDBLBL_X 294 SITDCTOP 292 SITDCTOP_X (BIT) SIT 295 SITDCTSF 291 SITDDLY 297 SITDFINT (3C) SIT 288 SITDFINT_X (BIT) SIT 294 SITDFUSR (F8) SIT 290 SITDIPSF 291 SITDISM (155) SIT 291 SITDISM_X (BIT) SIT 296 SITDL1 291 SITDMPDS 289 SITDMPDS_X (BIT) SIT 294 SITDMPRT (70) SIT 289 SITDMPRT_X (BIT) SIT 294 SITDMPSW (7D) SIT 289 SITDMPSW_X (BIT) SIT 294 SITDRPGN (524) SIT 293 SITDRTRN (534) SIT 293 SITDSA (174) SIT 291 SITDSA_X (BIT) SIT 296 SITDSBSF (1AA) SIT 291 SITDSPGN (804) SIT 297 SITDSRPM_X (BIT) SIT 296 SITDSKY (BIT) SIT 289 SITDTBO (8B) SIT 290 SITDTDMY (BIT) SIT 289 SITDTDMY_X (BIT) SIT 294 SITDTMDY (BIT) SIT 289 SITDTMDY_X (BIT) SIT 294 SITDTYMD 289 SITDTYMD_X (BIT) SIT 294 SITE10 1 SIT 299 SITE11 1 SIT 299 SITE12 1 SIT 299 SITE13 1 SIT 299 SITE22 1 SIT 299 SITECDSA (18C) SIT 291

SITECDSA_X (BIT) SIT 295 SITEDSA (178) SIT 291 SITEDSA_X (BIT) SIT 296 SITELS 1 SIT 299 SITEMIR (116) SIT 290 SITENCST 289 SITEODI (89) SIT 289 SITEODI_X (BIT) SIT 294 SITERDSA (44) SIT 288 SITERDSA_X (BIT) SIT 295 SITESDSA 288 SITESDSA_X (BIT) SIT 295 SITESMIN (BIT) SIT 290 SITEUDSA (190) SIT 291 SITEUDSA_X (BIT) SIT 295 SITFCOMP 290 SITFCOMP_X 294 SITFCTSF (15A) SIT 291 SITFEAT (1FF) SIT 292 SITFEAT1_X (BIT) SIT 295 SITFEAT2 X (BIT) SIT 295 SITFEAT3 X (BIT) SIT 295 SITFEAT4_X (BIT) SIT 295 SITFEAT5_X 295 SITFEAT6_X (BIT) SIT SITFEAT7_X (BIT) SIT 295 SITFEAT8_X (BIT) SIT 295 SITFEAWB (BIT) SIT 292 SITFEPIN 1 SIT 299 SITFEPOP (1F3) SIT 292 SITFEPOU 1 SIT 299 SITFERS (88) SIT 289 SITFLDSP 289 SITFLDSP_X 294 SITFLDST (78) SIT 289 SITFME (BIT) SIT 292 SITFRCQR (84) SIT 289 SITFRCQR_X 296 SITFSSTA 292 SITFSSTY (BIT) SIT 292 SITFTIMO (800) SIT 297 SITFTIMO_X (BIT) SIT 294 SITFULL 1 SIT 299 SITGAPLD (4DE) SIT 293 SITGAPLD_X 295 SITGMMNM (203) SIT 292 SITGMMNM_X (BIT) SIT 295 SITGMTAD (224) SIT 292 SITGMTAD_X (BIT) SIT 295 SITGMTXE (F8) SIT 298 SITGMTXL (0) SIT 298 SITGMTXT (2) SIT 298 SITGNITE (207) SIT 292 SITGRNME (1D2) SIT 291 SITGRNME_X (BIT) SIT 294 SITGRPL2 (7E0) SIT 297 SITGRPL2_X (BIT) SIT 296 SITGRPL3 (7E8) SIT 297 SITGRPL3_X (BIT) SIT 296 SITGRPL4 (7F0) SIT 297 SITGRPL4_X (BIT) SIT 296 SITGRPLI (9B) SIT 290 SITGRPLI X (BIT) SIT 294 SITGTR_X (BIT) SIT 294 SITGTRO (BIT) SIT 289 SITGTRSP_X (BIT) SIT 296 SITGTRST_X 296 SITHPO (86) SIT 289 SITHPO_X (BIT) SIT 294 SITHRAPL (52C) SIT 293 SITHRAPL_X (BIT) SIT 295 SITICPOP 292 SITICPOP_X (BIT) SIT 295 SITICVAL (38) SIT 288 SITICVAL_X (BIT) SIT 294 SITIIPSF (1A8) SIT 291 SITIND (1F2) SIT 292 SITIND_X (BIT) SIT 295 SITINIT (0) SIT 298 SITINIT_X (BIT) SIT 296 SITINTPM (20) SIT 288 SITINTRA (BIT) SIT 292 SITIRCS (85) SIT 289

SITIRCS_X 294 SITISCSF (1BA) SIT 291 SITITR_X (BIT) SIT 294 SITITRO (BIT) SIT 289 SITJDI (504) SIT 293 SITJDI_X (BIT) SIT 295 SITLANGS (768) SIT 296 SITLANGS_X (BIT) SIT 296 SITLEN 288 SITLEN_X (BIT) SIT 294 SITLGNMS (BIT) SIT 292 SITLGNMS_X (BIT) SIT 295 SITLLACP (7D5) SIT 297 SITLLACP_X (BIT) SIT 296 SITLLAN (BIT) SIT 297 SITLLANC (BIT) SIT 297 SITLLAY (BIT) SIT 297 SITLPA (87) SIT 289 SITLPA_X (BIT) SIT 294 SITLUIT (102) SIT 290 SITLUIT_X 296 SITM32SF (1A4) SIT 291 SITM37 1 SIT 299 SITM38 1 SIT 299 SITMCPSF (19E) SIT 291 SITMCTSF (170) SIT 291 SITMCTSF_X (BIT) SIT 294 SITMISC 293 SITMOD00 1 SIT 299 SITMOD01 1 SIT 299 SITMOD02 1 SIT 299 SITMOD03 1 SIT 299 SITMONCL 290 SITMONCO (BIT) SIT 290 SITMONCO_X 296 SITMONEV (BIT) SIT 290 SITMONEV_X (BIT) SIT 294 SITMONEX (BIT) SIT 290 SITMONEX_X (BIT) SIT 294 SITMONFR 290 SITMONFR_X (BIT) SIT 296 SITMONOP (8E) SIT 290 SITMONPR (BIT) SIT 290 SITMONPR_X (BIT) SIT 294 SITMONSS (93) SIT 290 SITMONSS_X (BIT) SIT 296 SITMONSY (BIT) SIT 290 SITMONSY_X (BIT) SIT 296 SITMONTM (BIT) SIT 290 SITMONTM_X (BIT) SIT 296 SITMONY (BIT) SIT 290 SITMONY_X 294 SITMQN 1 SIT 300 SITMQOP (1FE) SIT 292 SITMQY 1 SIT 300 SITMROB (72) SIT 289 SITMROB_X (BIT) SIT 296 SITMSGCS (82) SIT 289 SITMSGCS_X (BIT) SIT 294 SITMSGLV (7F) SIT 289 SITMSGLV_X (BIT) SIT 294 SITMSGMX (BIT) SIT 289 SITMSGUP (BIT) SIT 289 SITMVX 1 SIT 299 SITMXOTS 292 SITMXOTS_X (BIT) SIT 296 SITMXTSK (20E) SIT 292 SITMXTSK_X (BIT) SIT 295 SITNCPLD (214) SIT 292 SITNDDS (BIT) SIT 291 SITNDDS_X (BIT) SIT 294 SITNEW 293 SITNEW_X (BIT) SIT 295 SITNEWY (BIT) SIT 293 SITOFFSI (BIT) SIT 292 SITOPNDL (230) SIT 292 SITOPNDL_X 295 SITOPREL (1) SIT 288 SITOPREL_X (BIT) SIT 294 SITOPSYS (0) SIT 288 SITOPSYS_X 293 SITOPTIM (48) SIT 288 SITOVRPM (1C) SIT 288

SITOVRPM_X (BIT) SIT 294 SITPBPSF (1A2) SIT 291 SITPCTOP_X (BIT) SIT 295 SITPDI 293 SITPDI_X (BIT) SIT 295 SITPGCHN 290 SITPGCPY 290 SITPGCPY 290 SITPGCPY_X (BIT) SIT 294 SITPGPRG 290 SITPGPRG_X (BIT) SIT 294 SITPGRET 290 SITPGRET_X (BIT) SIT 294 SITPL1_X (BIT) SIT 294
SITPLTCM (BIT) SIT 290
SITPLTID 290
SITPLTPI 291 SITPLTRS (BIT) SIT 290 SITPLTSC (10D) SIT 290 SITPLTSD (164) SIT 291 SITPMABN (BIT) SIT 293 SITPMACT (BIT) SIT 293 SITPMERR (510) SIT 293 SITPMERR_X (BIT) SIT 295 SITPMIGN (BIT) SIT 293 SITPMIR (6F) SIT 289 SITPMULT (6C) SIT 289 SITPMULT_X 295 SITPOPT (153) SIT 290 SITPPTOP_X (BIT) SIT 295 SITPRGD (150) SIT 290 SITPRGD_X (BIT) SIT 294 SITPRINT 289 SITPRINT_X (BIT) SIT 294 SITPRVMA (28) SIT 288 SITPRVMA_X (BIT) SIT 294 SITPRVML (0) SIT 298 SITPRVMN (4) SIT 298 SITPRVMNAME (8) SIT 298 SITPSBA (0) SIT 288 SITPSBA (0) SIT 288 SITPSCLS (202) SIT 292 SITPSDI 289 SITPSDI_X 294 SITPSID (201) SIT 292 SITPSOPT 292 SITQTIMO (802) SIT 297 SITQTIMO_X (BIT) SIT 294 SITRAMAX (22E) SIT 292 SITRAPL (22C) SIT 292 SITRAPL_X (BIT) SIT 295 SITRAPLF (BIT) SIT 293 SITRAPLF_X (BIT) SIT 295 SITRDSA (188) SIT 291 SITRDSA_X (BIT) SIT 295 SITREMDI (7FC) SIT 297 SITREMDI_X (BIT) SIT 296 SITREMDL (7F8) SIT 297 SITREMDL_X 296 SITRESP 292 SITRESSE (BIT) SIT 290 SITRICVL (34) SIT 288 SITRICVL_X (BIT) SIT 294 SITRLRSF (1A0) SIT 291 SITRLS (BIT) SIT 297 SITRMSPC (628) SIT 297 SITRMSTN (5A8) SIT 297 SITRMTRN (508) SIT 293 SITRMTRN_X 295 SITRNTPGM (BIT) SIT 291 SITRNTPGM_X (BIT) SIT 296 SITRRMS 289 SITRRMSYES (BIT) SIT 289 SITRRN (BIT) SIT 292 SITRTOL (BIT) SIT 297 SITRTRN2 (530) SIT 293 SITRUWA (80) SIT 289 SITRUWPL (BIT) SIT 289 SITRUWPL_X (BIT) SIT 294 SITSAPLD (4E6) SIT 293 SITSAPLD_X (BIT) SIT 295 SITSBTSK (6E) SIT 289 SITSBTSK_X (BIT) SIT 295 SITSCOPE (104) SIT 290 SITSDSA (184) SIT 291

SITSDSA_X (BIT) SIT 295 SITSDTRN (210) SIT 292 SITSDUMP X (BIT) SIT 294 SITSECEX (BIT) SIT 290 SITSECFL 290 SITSECPR (BIT) SIT 290 SITSECPX (105) SIT 290 SITSININ 1 SIT 299 SITSINIT (1F4) SIT 292 SITSINIY 1 SIT 299 SITSISNO (65) SIT 289 SITSISNO_X (BIT) SIT 294 SITSKRTB (234) SIT 292 SITSKRTB_X (BIT) SIT 295 SITSLD_X (BIT) SIT 296 SITSLDYES (BIT) SIT 291 SITSMDNO 289 SITSMDYS (BIT) SIT 289 SITSNS_C 1 SIT 300 SITSNS_M 1 SIT 300 SITSNS_N 1 SIT 300 SITSNS S 1 SIT 300 SITSOFFS (1F5) SIT 292 SITSRCVY 288 SITSRCVY_X (BIT) SIT 294 SITSRPAE (24) SIT 288 SITSRPAE_X 294 SITSRTSF 291 SITSRYES (BIT) SIT 288 SITSSKYF (810) SIT 297 SITSSKYQ (840) SIT 297 SITSSLTI (80C) SIT 297 SITSTART (1F1) SIT 292 SITSTART_X 295 SITSTOPT (0) SIT 298 SITSTPRO (BIT) SIT 291 SITSTPRO_X (BIT) SIT 296 SITSTR_X (BIT) SIT 294 SITSTRCD (6A) SIT 289 SITSTRCD_X (BIT) SIT 296 SITSTRCDO (BIT) SIT 289 SITSTRO (BIT) SIT 289 SITSTRTA 292 SITSTRTA_X (BIT) SIT 295 SITSVSNO (64) SIT 289 SITSVSNO_X (BIT) SIT 294 SITSYDUMAX (198) SIT 291 SITSYDUMAX_X (BIT) SIT 294 SITSYSID (228) SIT 292 SITSYSID_X (BIT) SIT 295 SITTAKE (4F4) SIT 293 SITTAKE_X (BIT) SIT 295 SITTAKEA 1 SIT 299 SITTAKEC 1 SIT 299 SITTAKEM 1 SIT 299 SITTBPX1 (1DA) SIT 291 SITTBPX2 (1E2) SIT 291 SITTBPX3 (4B8) SIT 293 SITTBPX4 (4C0) SIT 293 SITTBPX5 (4C8) SIT 293 SITTBPX6 291 SITTCAMO (8A) SIT 290 SITTCAMO_X (BIT) SIT 294 SITTCPIP (BIT) SIT 292 SITTCPSF (1AC) SIT 291 SITTCSAN (58) SIT 288 SITTCSFO (BIT) SIT 288 SITTCSUB (BIT) SIT 288 SITTCSWT 288 SITTCTOP_X (BIT) SIT 295 SITTCTSF (16A) SIT 291 SITTCTUA (BIT) SIT 291 SITTCUA 289 SITTCUA_X (BIT) SIT 296 SITTCUAA 1 SIT 299 SITTCUAB 1 SIT 299 SITTCUAKY_X (BIT) SIT 296 SITTDBNO (4A4) SIT 293 SITTDBNO_X (BIT) SIT 295 SITTDSNO (4A6) SIT 293 SITTDSNO_X (BIT) SIT 295 SITTPPSF (1A6) SIT 291 SITTRALL (BIT) SIT 288

SITTRAP (8C) SIT 290 SITTRAPO (BIT) SIT 290 SITTRAPO_X (BIT) SIT 294 SITTRDUMAX (194) SIT 291 SITTRDUMAX_X (BIT) SIT 294 SITTRMCR (BIT) SIT 289 SITTRNISO (BIT) SIT 291 SITTRNISO_X (BIT) SIT 296 SITTRNSZ 290 SITTRNSZ_X (BIT) SIT 296 SITTRNTY (55) SIT 288 SITTRNTY_X (BIT) SIT 296 SITTROP 289 SITTRSP1 297 SITTRSP2 (630) SIT 297 SITTRSPC (668) SIT 296 SITTRST1 (568) SIT 297 SITTRST2 (5B0) SIT SITTRSTA (568) SIT 297 SITTRSTB (568) SIT 296 SITTRSTN (568) SIT 296 SITTRTSZ (4C) SIT 288 SITTRTSZ_X (BIT) SIT 294 SITTRXSP (560) SIT 296 SITTRXST (558) SIT 296 SITTSBNO (4A8) SIT 293 SITTSBNO_X (BIT) SIT 295 SITTSDTI 288 SITTSDTI_X 294 SITTSKCR 289 SITTSPOP (1FA) SIT 292 SITTSPOP_X (BIT) SIT 295 SITTSSNO (4AA) SIT 293 SITTSSNO_X (BIT) SIT 295 SITTSTG_X 294 SITTSTSF (16C) SIT 291 SITUDSA (180) SIT 291 SITUDSA_X (BIT) SIT 295 SITUDTIM (100) SIT 290 SITUDTIM_X (BIT) SIT 296 SITUOWNQ (4D0) SIT 293 SITUOWNQ_X (BIT) SIT 295 SITUTR_X (BIT) SIT 294 SITUTRO 289 SITVAICN (4D8) SIT 293 SITVAXIT (4B0) SIT 293 SITVAXIT_X (BIT) SIT 295 SITVDLY 289 SITVMXWE (4AC) SIT 293 SITVMXWE_X 295 SITVRLS 296 SITVSPLI_X (BIT) SIT 294 SITVTAM (BIT) SIT 292 SITVTAM_X (BIT) SIT 295 SITWBGCI (2E) SIT 288 SITWBGCI_X (BIT) SIT 295 SITWBTIP (2C) SIT 288 SITWBTIP_X (BIT) SIT 295 SITX17 1 SIT 299 SITX20 1 SIT 299 SITX21 1 SIT 299 SITXAPPC 290 SITXCMD 290 SITXDB2E (DB) SIT 290 (BF) SIT 290 SITXDCT SITXFCT (B1) SIT 290 SITXJCT (B8) SIT 290 SITXLTSF (16E) SIT 291 SITXPCT (D4) SIT 290 SITXPPT (CD) SIT 290 SITXPSB (A3) SIT 290 SITXRACT 1 SIT 299 SITXRALT 1 SIT 299 SITXRFFN 293 SITXRFFN_X (BIT) SIT 295 SITXRFN 1 SIT 299 SITXRFY 1 SIT 299 SITXRNO 1 SIT SITXRSNS (4DD) SIT 293 SITXRSNS_X (BIT) SIT 295 SITXSFI (52E) SIT 293 SITXSFRC (BIT) SIT 293 SITXSIGN 293

SITXTRAN (AA) SIT 290 SITXTST (C6) SIT 290 SITXUSER (BIT) SIT 290 SKA 300 SKAABC (5C) SKA 302 SKAABCP (BIT) SKA 301 SKADTECB (20) SKA 301 SKAEND (B0) SKA 302 SKAESFCD (29) SKA 301 SKAEWRK (18) SKA 301 SKAFAIL (2A) SKA 301 SKAFLAG1 (2C) SKA 301 SKAFLAG2 (2D) SKA 301 SKAFLAG3 302 SKAINECB (24) SKA 301 SKAINT (A8) SKA 302 SKAINTC (AA) SKA 302 SKAINTL (A8) SKA 302 SKAINWQE (14) SKA 300 SKAMEOL (BIT) SKA 302 SKAMFB (30) SKA 302 SKAMWLST 302 SKAPICA (4C) SKA 302 SKAPROGQ (C) SKA 300 SKAPSAV (60) SKA 302 SKAPSW 302 SKAQUES (8) SKA 300 SKAQUIES 302 SKARGPSW (BIT) SKA 301 SKARUNNG (BIT) SKA 301 SKASAV13 (48) SKA 302 SKASCOMP (1C) SKA 301 SKASDEAD 301 SKASINIT 301 SKASKENA (0) SKA 300 SKASRETC (28) SKA 301 SKASTGP (4) SKA 300 SKAUSCOD 302 SKAWAITQ (10) SKA 300 SKAWORKQ (8) SKA 300 skp subtask control area. SKA 300 skp work queue element, SKW 304 SKRQ 303 SKRQAY (BIT) SKRQ 303 SKRQCI (BIT) SKRQ 303 SKRQDWE (BIT) SKRQ 303 SKRQECBA (C) SKRQ 303 SKRQIES (BIT) SKRQ 303 SKRQINV (BIT) SKRQ 303 SKRQNORM (BIT) SKRQ 303 SKRQPARM (8) SKRQ 303 SKRQPER (BIT) SKRQ 303 SKRQPRTY (18) SKRQ 303 SKRQRC 303 SKRQRET (BIT) SKRQ 303 SKRQRM (1) SKRQ 303 SKRQRNC (BIT) SKRQ 303 SKRQRTN (4) SKRQ 303 SKROSCE (BIT) SKRQ 303 SKRQSIZE (BIT) SKRQ 303 SKRQSS (BIT) SKRQ 303 SKRQSUBI (14) SKRQ 303 SKRQSY (BIT) SKRQ 303 SKRQTACB (10) SKRQ SKRQTER (BIT) SKRQ 303 SKRQTR (0) SKRQ 303 SKRQTWC (BIT) SKRQ 303 SKRQUCF (BIT) SKRQ 303 SKRQUPR (BIT) SKRQ 303 SKRQWAIT (BIT) SKRQ SKSUBFS1 (BIT) SKRQ SKSUBSP1 (BIT) SKRQ 303 SKSUBSP2 (BIT) SKRQ 303 SKSUBXX1 (BIT) SKRQ 303 SKTARRW (4) TMSKT 435 SKTDELN (18) TMSKT 435 SKTDFH (5) TMSKT 435 SKTDIREA (40) TMSKT 435 SKTDIRSA (20) TMSKT 435 SKTEYEC (A) TMSKT 435 SKTFDEA (24) TMSKT 435

SKTFLAG2 435 SKTFRDE (28) TMSKT 435 SKTHDR (0) TMSKT 435 SKTINFO 435 SKTKEYLN (1A) TMSKT 435 SKTLNTH (0) TMSKT 435 SKTMAXN (1C) TMSKT 435 SKTNUEA (BIT) TMSKT 435 SKTNUMDS (2C) TMSKT 435 SKTRANGE (30) TMSKT 435 SKTRANGES (0) TMSKT 435 SKTRNG_ADDR (34) TMSKT 435 SKTRNG_COUNT (8) TMSKT 436 SKTRNG HEAD (0) TMSKT 435 SKTRNG_NUM (30) TMSKT 435 SKTRNG_PTR (C) TMSKT 436 SKTRNG_SIZE (38) TMSKT 435 SKTRNG_USED (3C) TMSKT 435 SKTRNGE (8) TMSKT 436 SKTTBLE (0) TMSKT 435 SKTTM (8) TMSKT 435 SKTTTC 435 SKTTTCP (17) TMSKT 435 SKW 304 SKWCECB (4C) SKW 304 SKWCHAIN (0) SKW 304 SKWESAVE (5C) SKW 304 SKWFABST (BIT) SKW 305 SKWFLAGS (60) SKW 304 SKWOABC (54) SKW 304 SKWOABSP (58) SKW 304 SKWOECBA (50) SKW 304 SKWRC (61) SKW 305 SKWSREGS (C) SKW 304 SKWTACBE (BIT) SKW 305 SKWTCANC (BIT) SKW 305 SKWUCADD (8) SKW 304 SKWUPARM (4) SKW 304 SKWWAIT (BIT) SKW 305 SLCB (0) IRC 183 SLCBLCB 183 SLCBLECB (0) IRC 183 SLCBLENG 4 IRC 186 SLCBSCAC (4) IRC 183 SLCBSTS1 (8) IRC 183 SLCBSTS2 (9) IRC 183 SLCBSTS3 183 SLCBSTS4 (B) IRC 183 SLCBSTTS (8) IRC 183 SLD3604 (BIT) SLDC 305 SLD3610 (BIT) SLDC SLD3612 (BIT) SLDC 305 SLD3618 (BIT) SLDC SLD3618B (BIT) SLDC 305 SLD3618P (BIT) SLDC 305 SLD3618S (BIT) SLDC 305 SLDC 305 SLDCBLCO (BIT) SLDC 305 SLDCBLD1 (BIT) SLDC 305 SLDCBLD2 (BIT) SLDC 305 SLDCBLH1 (BIT) SLDC 305 SLDCBLP1 (BIT) SLDC 305 SLDCBLR1 (BIT) SLDC 305 SLDCCD (2) SLDC 305 SLDCCLM (5) SLDC 305 SLDCDSN (7) SLDC 305 SLDCDSP (F) SLDC 305 SLDCEND (BIT) SLDC 305 SLDCLEN (BIT) SLDC 306 SLDCMN (0) SLDC 305 SLDCPBS (BIT) SLDC 305 SLDCPDEF (BIT) SLDC 305 SLDCPJOB (BIT) SLDC 305 SLDCPOI1 (BIT) SLDC 305 SLDCPOI2 (BIT) SLDC 305 SLDCPOI3 (BIT) SLDC 305 SLDCPRAW (BIT) SLDC 305 SLDCROW (4) SLDC 305 SLDCSPGP (BIT) SLDC 305 SLDCSTAT (6) SLDC 305 SLDCTM (3) SLDC 305 SLDCWPM1 (BIT) SLDC 305 SLDCWPM2 (BIT) SLDC 305

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TCAFCAAA (8) TCA 330 TCAFCAID 330 TCAFCDCM (BIT) TCA 330 TCAFCI 330 TCAFCICM (BIT) TCA 330 TCAFCMCM (BIT) TCA 330 TCAFCPTR (8) TCA 330 TCAFCTDM 1 TCA 344 TCAFCTRM (BIT) TCA 330 TCAFLAGS (181) TCA 333 TCAFLAGS (81) TCADY 350 TCAGFLG1 (6) TCA 330 TCAIACB 333, 351 TCAICCLS (7C) TCA 335 TCAICCNL 1 TCA 345 TCAICCSA 1 TCA 345 TCAICDA (64) TCA 335 TCAICDFS (BIT) TCA 336 TCAICDWE 1 TCA 345 TCAICEAD (130) TCA 332 TCAICEAD (30) TCADY 349 TCAICFA (74) TCA 335 TCAICFND 1 TCA 345 TCAICGET 1 TCA 345 TCAICGNR 1 TCA 345 TCAICGTM 1 TCA 345 TCAICGWT 1 TCA 345 TCAICHDR (BIT) TCA 336 TCAICHSZ (BIT) TCA 336 TCAICIDM 1 TCA 345 TCAICIND 1 TCA 345 TCAICINT 1 TCA 345 TCAICNFD 1 TCA 345 TCAICNRL 1 TCA 345 TCAICPFM 345 1 TCA TCAICPST 1 TCA 345 TCAICPTH 1 TCA 345 TCAICPUT 1 TCA TCAICQID (68) TCA 335 TCAICQPX (68) TCA 335 TCAICRAM 1 TCA 345 TCAICREQ (134) TCADY 351 TCAICREQ (234) TCA 334 TCAICRGW 1 TCA 345 TCAICRIP 1 TCA 345 TCAICRST 1 TCA 345 TCAICRT (70) TCA 335 TCAICRTC (BIT) TCA 336 TCAICRTL (88) TCA 336 TCAICRTR (84) TCA 336 TCAICRTY 1 TCA 345 TCAICRVY 1 TCA 345 TCAICSCD 1 TCA 345 TCAICSCH 1 TCA 345 TCAICSRC 1 TCA 345 TCAICTEC 335 TCAICTFM 1 TCA 345 TCAICTI (74) TCA 335 TCAICTID (78) TCA 335 TCAICTKA (80) TCA 336 TCAICTKX (BIT) TCA 336 TCAICTR 335 TCAICTR2 (7D) TCA 335 TCAICTXA 1 TCA 345 TCAICUDA 1 TCA 345 TCAICUSA (78) TCA 335 TCAICUSR (BIT) TCA 336 TCAICUSS (BIT) TCA 336 TCAICWTM 1 TCA 345 TCAICXTM 1 TCA 345 TCAIDAA (154) TCA 332 TCAIDAA (54) TCADY 349 TCAIIIRE (1A0) TCA 333 TCAIIRE (A0) TCADY 350 TCAIRTCD (183) TCA 333 TCAIRTCD (83) TCADY 350 TCAJCAAD (D4) TCA 331 TCAJOURN (BIT) TCA 331 TCAJVMTK 333, 351 TCAJVMXT 333, 350 TCAKCAID 335 TCAKCATF 1 TCA 344 TCAKCATS 1 TCA 344

TCAKCDCM (BIT) TCA 335 TCAKCDER 1 TCA 344 TCAKCDST 335 TCAKCEPA 335 TCAKCFA (80) TCA 335 TCAKCFI 335 TCAKCICM (BIT) TCA 335 TCAKCINP 1 TCA 344 TCAKCINV 1 TCA 344 TCAKCMCM (BIT) TCA 335 TCAKCOID (1C4) TCA 333 TCAKCOID (C4) TCADY 350 TCAKCOK 1 TCA 344 TCAKCPA (74) TCA 335 TCAKCPBA (14) TCA 330 TCAKCPFA (38) TCA 331 TCAKCPL (7C) TCA 335 TCAKCPTR (80) TCA 335 TCAKCRC 335 TCAKCRC2 (62) TCA 335 TCAKCREP 1 TCA 344 TCAKCSRB 335 TCAKCSRI 1 TCA 344 TCAKCSRK 1 TCA 344 TCAKCSRQ 1 TCA 344 **TCAKCSRR** 1 TCA 344 TCAKCSRW 1 TCA 344 TCAKCSSF (64) TCA 335 TCAKCSYS (74) TCA 335 TCAKCTA (80) TCA 335 TCAKCTI (78) TCA 335 TCAKCTNF 1 TCA 344 TCAKCTRM (BIT) TCA 335 TCAKCTTA 332, 349 TCAKCTTI (1B0) TCA 333 TCAKCTTI (B0) TCADY 350 TCAKCUID (65) TCA 335 TCAKCUIL (64) TCA 335 TCAKCWRN 1 TCA 344 TCAKEDAD (1F8) TCADY 352 TCAKEDAD (2F8) TCA 334 TCALCDSA (10) TCA 330 TCALOCA 1 TCA 344 TCALOCR 1 TCA 344 TCALTFRE (130) TCADY TCALTFRE (230) TCA 334 TCALTGET (1A4) TCA 333 TCALTGET (A4) TCADY 350 TCAMAPNM (85) TCA 340 TCAMCPY (9C) TCA 340 TCAMSAPR (BIT) TCA 339 TCAMSCBM (BIT) TCA 338 TCAMSDSS (BIT) TCA 338 TCAMSEIC (BIT) TCA 339 TCAMSEO (BIT) TCA 339 TCAMSEOC (BIT) TCA 338 TCAMSEOD (BIT) TCA 338 TCAMSEPO (BIT) TCA 339 TCAMSETI (BIT) TCA 339 TCAMSFMP 340 TCAMSFSC (6C) TCA 339 TCAMSHDR (70) TCA 340 TCAMSIET (BIT) TCA 338 TCAMSIFH (BIT) TCA 338 **TCAMSIGR** 338 **TCAMSIMN** (BIT) TCA **TCAMSIOA** (68) TCA 339 TCAMSIOT (BIT) TCA 339 TCAMSIPF (BIT) TCA 338 TCAMSIPN (BIT) TCA 338 **TCAMSIPR** (BIT) TCA 339 TCAMSIPS (BIT) TCA 338 TCAMSIR (BIT) TCA 338 TCAMSJ (6D) TCA 340 TCAMSJF 1 TCA 347 TCAMSJL 1 TCA 347 TCAMSLDC (82) TCA 340 TCAMSLDM (80) TCA 340 TCAMSLPS (BIT) TCA 339 TCAMSLST (BIT) TCA 339 TCAMSMGC (BIT) TCA 339 TCAMSMGM (BIT) TCA 339 TCAMSMSA (78) TCA 340

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TCTE_TRACE_3 (F4) TCTTE 373 TCTE_TRACE_5 (148) TCTTE 375
TCTE_TRANNUM (14) TCTTE 364 TCTE_UR_BIND_NEEDED (BIT) TCTTE 390 TCTE_UR_INIT_NEEDED 390 TCTE_USE_MRO_BITMAP 390 TCTE_ZBAN_REASON (1E3) TCTTE 379 TCTE_ZBAN_RESPONSE (1E2) TCTTE 379 TCTE ZCNIBISC (BIT) TCTTE 380 TCTE_ZGDA_FMH7_COMP 1 TCTTE 405 TCTE_ZGDA_FMH7_REC 1 TCTTE 405 TCTE_ZGDA_FMH7_REC_EOC 1 TCTTE 405 TCTE_ZGDA_FMH7_SEND 1 TCTTE 405 TCTE_ZGDA_RESP 1 TCTTE 405
TCTE_ZNAC_ERRCODE (1A8) TCTTE 375 TCTE_ZXPS_CLEANUP 1 TCTTE 405 TCTE_ZXPS_DEALLOCATE_ABEND 1 TCTTE 405 TCTE_ZXPS_ISSUE_RECOVERY_MSG 1 TCTTE 405 TCTE_ZXPS_RECEIVE_IN_PROGRESS 1 TCTTE 405 TCTE_ZXPS_SEND_IN_PROGRESS 1 TCTTE 405 TCTE_ZXRC_CLEANUP 1 TCTTE 405 TCTE_ZXRC_ISSUE_RECOVERY_MSG 1 TCTTE 405 TCTE1RY (BIT) TCTTE 374 TCTE2980 366 TCTE2RY (BIT) TCTTE 374 TCTE3270 (30) TCTTE 365 TCTE327E (BIT) TCTTE 366 TCTE32E2 (51) TCTTE 367 TCTE32E3 (52) TCTTE 367 TCTE32EF (50) TCTTE 367 TCTE32RA (108) TCTTE 372 TCTE32RL (106) TCTTE 372 TCTE32SF (47) TCTTE 366 TCTE32SW (105) TCTTE 372 TCTE32WI (BIT) TCTTE 372 TCTE3600 (30) TCTTE 366 TCTE3601 1 TCTTE 403 TCTE3614 1 TCTTE 403 TCTE3790 1 TCTTE 403 TCTE50PL 1 TCTTE 403 TCTE50UP 1 TCTTE 403 TCTE53HC 1 TCTTE 403 TCTE70HC 1 TCTTE 403 TCTE90PR 1 TCTTE 403 TCTE90UP 1 TCTTE 403 TCTEABD (BIT) TCTTE 379 TCTEABI 1 TCTTE 403 TCTEABP (BIT) TCTTE 367 TCTEABT 1 TCTTE 403 (1DE) TCTTE 379 TCTEACC (BIT) TCTTE TCTEACC1 TCTEACC2 (BIT) TCTTE TCTEACC3 (BIT) TCTTE 379 TCTEACC4 (BIT) TCTTE 379 TCTEACC5 (BIT) TCTTE 379 TCTEACC6 (BIT) TCTTE

TCTEACC7 (BIT) TCTTE 379 TCTEACC8 (BIT) TCTTE 379 TCTEACIG 1 TCTTE 406 TCTEACIV 1 TCTTE 406 TCTEACR (1B8) TCTTE 375 TCTEACR1 (1B8) TCTTE 375 TCTEACR2 (1B9) TCTTE 375 TCTEACR3 (1BA) TCTTE 376 TCTEACR4 (1BB) TCTTE 376 TCTEACSA (170) TCTTE 375 TCTEACSE 1 TCTTE 406
TCTEACST 1 TCTTE 406 TCTEACT (BIT) TCTTE 365 TCTEAHB (BIT) TCTTE 397 TCTEAIDP 365 TCTEAIO (BIT) TCTTE 374 TCTEAIP (BIT) TCTTE 377 TCTEALM 1 TCTTE 403 (BIT) TCTTE 366 TCTEALW TCTEAMIB (C4) TCTTE 369 TCTEANDX (6A) TCTTE 367 TCTEANET (238) TCTTE 382 TCTEAPBF (40) TCTTE 398 TCTEAPBL (44) TCTTE 398 TCTEAPGC (A) TCTTE 396 TCTEAPGL (9) TCTTE 396 TCTEAPKB (BIT) TCTTE 366 TCTEAPT (228) TCTTE 382 TCTEAPTX (BIT) TCTTE 366 TCTEARC (110) TCTTE TCTEARC1 (110) TCTTE TCTEARC2 (111) TCTTE TCTEASC7 (BIT) TCTTE TCTEASC8 (BIT) TCTTE 365 TCTEASCC (4F) TCTTE 366 TCTEASCI (BIT) TCTTE 367 TCTEASCL (4E) TCTTE 366 TCTEASCO (BIT) TCTTE TCTEASCZ (4C) TCTTE 366 TCTEASE (BIT) TCTTE 366 TCTEASRA (174) TCTTE 375 TCTEATPN (10B) TCTTE 373 TCTEAWEA (1B4) TCTTE 375 TCTEBBA (BIT) TCTTE 378 TCTEBBP (BIT) TCTTE 378 TCTEBBR (BIT) TCTTE 378 **TCTEBBS** (BIT) TCTTE 378 TCTEBCL 374 TCTEBEB (BIT) TCTTE 378 TCTEBFLA (218) TCTTE 381 TCTEBID (BIT) TCTTE 381 TCTEBIMG (1EC) TCTTE 379 TCTEBIR (BIT) TCTTE 381 TCTEBISI (BIT) TCTTE 379 TCTEBISR (BIT) TCTTE 379 TCTEBISS (BIT) TCTTE 379 TCTEBKTS (1DB) TCTTE 379 TCTEBLST (80) TCTTE 398 TCTEBNS (BIT) TCTTE 378 TCTEBPE (BIT) TCTTE 378 TCTFBRP (BIT) TCTTE 378 **TCTEBRS** (BIT) TCTTE 378 (BIT) TCTTE 378 TCTEBRT TCTEBSAM 1 TCTTE 403 TCTEBSC (BIT) TCTTE 379 TCTEBSS (BIT) TCTTE 376 TCTEBTAM 1 TCTTE 403 TCTEBTB (BIT) TCTTE 378 TCTEBUF (BIT) TCTTE 397 TCTEBWD (BIT) TCTTE 376 TCTEBYP (BIT) TCTTE 376 TCTEBYPQ 370 TCTECACT (1FE) TCTTE 381 (BIT) TCTTE 377 (BIT) TCTTE 378 TCTECAP TCTECAR TCTECAT (BIT) TCTTE 375 (BIT) TCTTE 376 TCTECBD (14) TCTTE 397 TCTECC TCTECCDR (BIT) TCTTE 397 TCTECCDS (BIT) TCTTE 397 TCTECCL (13) TCTTE 397 TCTECCNT (AC) TCTTE 368 TCTECCT (BIT) TCTTE 376

TOTEOOV	(DIT) TOTTE 07	_
TCTECCV	(BIT) TCTTE 377	
TCTECDH	(BIT) TCTTE 376	
TCTECDR1	(BIT) TCTTE 39	
TCTECDR2	(BIT) TCTTE 39	7
TCTECDS	378	
TCTECDSV	(1A4) TCTTE 37	75
TCTECDSY	(BIT) TCTTE 37	0
TCTECDT	(BIT) TCTTE 376	3
TCTECDV	(BIT) TCTTE 378	
TCTECDX	(BIT) TCTTE 38	
TCTECEA	(BIT) TOTTE 376	
TCTECEBR	` '	
TCTECEBS	(BIT) TCTTE 39	
TCTECELP	(DC) TCTTE 370	
TCTECERT	(BIT) TCTTE 36	
TCTECFA	(BIT) TCTTE 376	3
TCTECFR	(BIT) TCTTE 375	5
TCTECFS	(BIT) TCTTE 376	3
TCTECGR	(BIT) TCTTE 37	5
TCTECHLE	(BIT) TACLE 32	
TCTECHMX	, , -	75
TCTECHS	` '	
	(BIT) TCTTE 376	
TCTECHSS	, ,	79
TCTECID	(17C) TCTTE 375	5
TCTECIP	(BIT) TCTTE 377	
TCTECKR	(BIT) TCTTE 376	6
TCTECLG	(BIT) TCTTE 368	3
TCTECLIM	(1FF) TCTTE 38	1
TCTECLR	(BIT) TCTTE 376	
TCTECLST	, ,	
	, ,	
TCTECMT	(BIT) TCTTE 378	
TCTECNCL	(BIT) TCTTE 37	
TCTECND	(BIT) TCTTE 370	0
TCTECNO	(BIT) TCTTE 379	9
TCTECNTS		79
TCTECON	(BIT) TCTTE 38	
TCTECOR	(BIT) TCTTE 37	
TCTECORR	` '	81
TCTECPA	(BIT) TCTTE 381	
TCTECPCA	(D4) TCTTE 398	
TCTECPG	(BIT) TCTTE 379	9
TCTECPIC	398	
TCTECPMI	(BIT) TCTTE 380	0
TCTECPY	(BIT) TCTTE 381	1
TCTECRAS	(BIT) TCTTE 37	
TCTECRC	(BIT) TCTTE 37	
TCTECRP		
TCTECRQ	(BIT) TCTTE 374	
TCTECRR	(BIT) TCTTE 375	
TCTECRS	(BIT) TCTTE 376	
TCTECRTF	(BIT) TCTTE 36	6
TCTECRY	(BIT) TCTTE 376	3
TCTECSA	(BIT) TCTTE 375	5
TCTECSC	(BIT) TCTTE 375	5
TCTECSG1	367	
TCTECSG2	(62) TCTTE 367	,
TCTECSL	(BIT) TCTTE 376	
TCTECSM	(BIT) TCTTE 378	
TCTECSNI	(BIT) TCTTE 380	
TCTECSR	(BIT) TCTTE 376	0
TCTECSRI	380	
TCTECSS	(BIT) TCTTE 375	5
TCTECTA	(BIT) TCTTE 376	3
TCTECTI	(BIT) TCTTE 376	
TCTECTS	(BIT) TCTTE 376	3
TCTECUSR	(56) TCTTE 398	
TCTECV0	1 TCTTE 406	
TCTECVD		2
TOTECVE	. ,	3
TCTECVI	(BIT) TCTTE 376	_
TCTECVR	(BIT) TCTTE 376	o
TCTECVT	(11) TCTTE 397	
TCTECWT	(BIT) TCTTE 37	6
TCTECXA	(BIT) TCTTE 376	3
TCTEDAB	368	
TCTEDATL	(4C) TCTTE 398	3
TCTEDCA	(BIT) TCTTE 376	
TCTEDEF		
TCTEDEL	(BIT) TCTTE 376	,
TCTEDELP	368	_
TCTEDELQ		
TCTEDEX	(BIT) TCTTE 397	1
TCTEDIBA	(58) TCTTE 367	
TCTEDIBS	(BIT) TCTTE 369	9

TCTEDIP (BIT) TCTTE 377 TCTEDL1M (BIT) TCTTE 374 TCTEDLAB (1D9) TCTTE 390 TCTEDLG (BIT) TCTTE TCTEDMAI (BIT) TCTTE TCTEDMAX (BIT) TCTTE 400 TCTEDMBD (1C) TCTTE 400 TCTEDMBL (20) TCTTE 400 (0) TCTTE 400 TCTEDMCH TCTEDMCL (BIT) TCTTE 400 TCTEDMDT (E) TCTTE 400 TCTEDME2 (5) TCTTE TCTEDMER (4) TCTTE 400 **TCTEDMGC** (3A) TCTTE 365 (BIT) TCTTE 400 TCTEDMGF TCTEDMID (17) TCTTE 400 TCTEDMIT (BIT) TCTTE 400 TCTEDMLG 400 TCTEDMMI (1B) TCTTE 400 TCTEDMMN (35) TCTTE 365 TCTEDMNN (6) TCTTE 400 TCTEDMPD (BIT) TCTTE 400 TCTEDMQN 400 TCTEDMRA (BIT) TCTTE 400 TCTEDMRY (BIT) TCTTE 400 TCTEDMS1 (24) TCTTE 400 TCTEDMS2 (25) TCTTE 400 (BIT) TCTTE 400 TCTEDMSL TCTEDMSM (BIT) TCTTE 400 (24) TCTTE 400 TCTEDMSN TCTEDMSQ (F) TCTTE 400 TCTEDMU1 (26) TCTTE TCTEDMU2 (27) TCTTE 400 TCTEDMUL TCTEDMWE (BIT) TCTTE 400 TCTEDMWE (0) TCTTE 400 TCTEDMYE (34) TCTTE 365 365 (BIT) TCTTE TCTEDR2 376 TCTEDRD (BIT) TCTTE 370 TCTEDRI (BIT) TCTTE 378 **TCTEDRQ** (BIT) TCTTE 377 TCTEDRR (BIT) TCTTE 369 TCTEDSCC (4B) TCTTE 366 TCTEDSCL (4A) TCTTE 366 TCTEDSCZ (48) TCTTE 366 TCTEDTR (BIT) TCTTE TCTEDVSC (B8) TCTTE 368 TCTEDWP (BIT) TCTTE 370 TCTEDYN (BIT) TCTTE 374 TCTEDZIP (BIT) TCTTE 368 TCTEEBM 378 TCTEEBR (BIT) TCTTE 378 TCTEEBS (BIT) TCTTE 378 TCTEEBX 381 **TCTEECN** (BIT) TCTTE 379 **TCTEEEB** (BIT) TCTTE 378 TCTEEID0 (1A0) TCTTE 375 TCTEEID1 (1A1) TCTTE 375 TCTEEID2 (1A2) TCTTE TCTEEID3 (1A3) TCTTE 375 TCTEEIDA (1A0) TCTTE 375 TCTEEIDL (9E) TCTTE 368 TCTEEIEX (84) TCTTE 367 TCTEEILR (80) TCTTE 367 TCTEELGM (65) TCTTE 367 TCTEEMF (1C7) TCTTE 377 TCTEEMW 377 TCTEEMX (BIT) TCTTE 373 TCTEEOC (BIT) TCTTE 366 TCTEEOD (BIT) TCTTE 380 TCTEERAC (CF) TCTTE 370 TCTEERAF (CD) TCTTE 370 TCTEERAH (CE) TCTTE TCTEERAI (BIT) TCTTE 370 **TCTEERAL** (BIT) TCTTE 370 TCTEERIS (1A8) TCTTE 375 TCTEERI6 (1AA) TCTTE 375 TCTEER17 (1AC) TCTTE 375 TCTEERI8 (1AE) TCTTE TCTEERI9 (1B0) TCTTE 375 **TCTEERIA** (1B2) TCTTE 375 TCTEERL (BIT) TCTTE 378 TCTEERPV (41) TCTTE 399 TCTEERS (BIT) TCTTE

TOTECDT	(DIT)	TOTTE 270
TCTEERT	(BIT)	TCTTE 370
TCTEESC	(BIT)	TCTTE 381
TCTEESG	(BIT)	TCTTE 377
TCTEESR	(BIT)	TCTTE 379
TCTEESS	(BIT)	TCTTE 376
TCTEEWN	(BIT)	TCTTE 366
TCTEEXAT	(BIT)	TCTTE 374
		101112 374
	381	TOTTE 074
TCTEEXNO	. ,	TCTTE 374
TCTEF12	(BIT)	TCTTE 381
TCTEFBF	(BIT)	TCTTE 376
TCTEFBIS	(BIT)	TCTTE 379
TCTEFCTK	(BIT)	TCTTE 365
TCTEFDM	(BIT)	TCTTE 374
TCTEFHA	(BIT)	TCTTE 374
	. ,	
TCTEFHD	(BIT)	TCTTE 374
TCTEFHE	(BIT)	TCTTE 374
TCTEFLC	(BIT)	TCTTE 376
TCTEFLUS	(BIT)	TCTTE 380
TCTEFMH	366	
TCTEFMH1	(2C)	TCTTE 365
TCTEFMHA		TCTTE 398
TCTEFMR	(BIT)	TCTTE 397
TCTEFMS		
	(BIT)	TCTTE 397
TCTEFMSA	, ,	
TCTEFNB	(BIT)	TCTTE 376
TCTEFNL	(BIT)	TCTTE 376
TCTEFNPR	(BIT)	TCTTE 380
TCTEFNSP	(BIT)	TCTTE 380
TCTEFOD		TTE 403
TCTEFPD	(BIT)	TCTTE 369
	. ,	
TCTEFPP	(BIT)	TCTTE 365
TCTEFPX	(BIT)	TCTTE 365
TCTEFRC	(BIT)	TCTTE 369
TCTEFRM	(22C)	TCTTE 382
TCTEFRS	(BIT)	TCTTE 376
TCTEFST	(BIT)	TCTTE 380
TCTEFUP	(BIT)	TCTTE 380
TCTEGAM	1 TC	
TCTEGBF	(BIT)	TCTTE 376
TCTEGET1	. ,	TCTTE 382
	(240)	
TCTEGET2	(240)	TCTTE 382
TCTEGET3	(228)	TCTTE 389
TCTEGET4	(1B1)	
		TCTTE 390
TCTEGET5	(1DE)	
TCTEGET5 TCTEGET6		
	(1DE) (FC)	TCTTE 390 TCTTE 371
TCTEGET6 TCTEGET7	(1DE) (FC) (22C)	TCTTE 390 TCTTE 371 TCTTE 389
TCTEGET6 TCTEGET7 TCTEGET8	(1DE) (FC) (22C) (22C)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGET9	(1DE) (FC) (22C) (22C) (224)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGET9 TCTEGLC	(1DE) (FC) (22C) (22C) (224) (BIT)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGET9 TCTEGLC TCTEGMMI	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 380
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGET9 TCTEGLC TCTEGMMI TCTEGNB	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 380 TCTTE 376
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGET9 TCTEGLC TCTEGMMI TCTEGNB TCTEGNXT	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 380 TCTTE 376 TCTTE 376 TCTTE 367
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGLC TCTEGMMI TCTEGNB TCTEGNXT TCTEGRS	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT) (F2)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 386 TCTTE 376 TCTTE 376 TCTTE 367 TCTTE 373
TCTEGET6 TCTEGET8 TCTEGET9 TCTEGLC TCTEGMMI TCTEGNB TCTEGNXT TCTEGRS TCTEHACP	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 386 TCTTE 376 TCTTE 376 TCTTE 367 TCTTE 373
TCTEGET6 TCTEGET8 TCTEGET9 TCTEGLC TCTEGMMI TCTEGNXT TCTEGRS TCTEGRS TCTEHACP TCTEHDA	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT) (F2)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 386 TCTTE 376 TCTTE 376 TCTTE 367 TCTTE 373
TCTEGET6 TCTEGET8 TCTEGET9 TCTEGLC TCTEGMMI TCTEGNB TCTEGNXT TCTEGRS TCTEHACP	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT) (F2) (178)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 386 TCTTE 376 TCTTE 376 TCTTE 367 TCTTE 373
TCTEGET6 TCTEGET8 TCTEGET9 TCTEGLC TCTEGMMI TCTEGNXT TCTEGRS TCTEGRS TCTEHACP TCTEHDA	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT) (F2) (178) 370	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 386 TCTTE 376 TCTTE 376 TCTTE 367 TCTTE 373
TCTEGET6 TCTEGET8 TCTEGET9 TCTEGLC TCTEGMMI TCTEGNB TCTEGNXT TCTEGRS TCTEHACP TCTEHACP TCTEHOR TCTEHOR	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT) (F2) (178) 370 381 (BIT)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 376 TCTTE 376 TCTTE 373 TCTTE 373 TCTTE 375
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGLC TCTEGMMI TCTEGNBT TCTEGRS TCTEGRS TCTEHACP TCTEHDA TCTEHOR TCTEHQS TCTEHQS	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (F2) (178) 370 381 (BIT) 1 TCT	O TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 376 TCTTE 376 TCTTE 377 TCTTE 375 TCTTE 375 TCTTE 378
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGLC TCTEGMM TCTEGNB TCTEGNXT TCTEGRS TCTEHACP TCTEHACP TCTEHOA TCTEHOR TCTEHOR TCTEHOR TCTEIFM	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT) (178) 370 381 (BIT) 1 TCT (BIT)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 376 TCTTE 376 TCTTE 373 TCTTE 373 TCTTE 375
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TCTEGET6 TCTEGET7 TCTEGET8 TCTEGLC TCTEGMMI TCTEGNXT TCTEGNXT TCTEGNXT TCTEHDA TCTEHDA TCTEHDA TCTEHDR TCTEIFM TCTEIFM TCTEIFR TCTEIFR TCTEIFR TCTEIFR TCTEIFR	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (F2) (178) 370 381 (BIT) 1 TCT (BIT) 1 98 (C9)	7 TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 376 TCTTE 376 TCTTE 377 TCTTE 377 TCTTE 377 TCTTE 377 TCTTE 378 TCTTE 378 TCTTE 365 TCTTE 365 TCTTE 370
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGLC TCTEGMMI TCTEGNB TCTEGNST TCTEGRS TCTEHACP TCTEHDA TCTEHOR TCTEHOR TCTEHOR TCTEIFM TCTEIFM TCTEIFP TCTEIR 3 TCTEIRPC TCTEILUC	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (F2) (178) 370 381 (BIT) 1 TCT (BIT) 1 98 (C9) (2F) 1	O TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 376 TCTTE 377 TCTTE 375 TCTTE 375 TCTTE 378 TCTTE 365 TCTTE 365 TCTTE 365
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGLC TCTEGMMI TCTEGNB TCTEGNXT TCTEGRS TCTEHACP TCTEHDA TCTEHOR TCTEHOR TCTEHOR TCTEIFM TCTEIFM TCTEIFM TCTEIFM TCTEIKPC TCTEIKUC TCTEIMJ	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (F2) (178) 370 381 (BIT) 1 TCT (BIT) 1 98 (C9) (2F) 1 (BIT)	TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 376 TCTTE 373 TCTTE 375 TCTTE 375 TCTTE 378 TCTTE 378 TCTTE 365 TCTTE 370 TCTTE 370 TCTTE 374
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGLC TCTEGMMI TCTEGNB TCTEGNXT TCTEGRS TCTEHACP TCTEHACA TCTEHOR TCTEHOR TCTEIFM TCTEIFM TCTEIFM TCTEIFM TCTEIRC TCTEILUC TCTEILUC TCTEIMJ TCTEIMP	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT) (F2) (178) 370 381 (BIT) 1 TCT (BIT) 1 (98 (C9) (2F) 1 (BIT) 1	7 TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 376 TCTTE 377 TCTTE 377 TCTTE 377 TCTTE 378 TCTTE 378 TCTTE 378 TCTTE 365 TCTTE 370 TCTTE 365 TCTTE 374 TCTTE 374 TCTTE 374
TCTEGET6 TCTEGET7 TCTEGET8 TCTEGLC TCTEGMMI TCTEGNB TCTEGNXT TCTEGRS TCTEHACP TCTEHDA TCTEHOR TCTEHOR TCTEHOR TCTEIFM TCTEIFM TCTEIFM TCTEIFM TCTEIKPC TCTEIKUC TCTEIMJ	(1DE) (FC) (22C) (22C) (224) (BIT) (BIT) (BIT) (F2) (178) 370 381 (BIT) 1 TCT (BIT) 1 (98 (C9) (2F) 1 (BIT) 1	7 TCTTE 390 TCTTE 371 TCTTE 389 TCTTE 389 TCTTE 389 TCTTE 376 TCTTE 376 TCTTE 377 TCTTE 377 TCTTE 377 TCTTE 378 TCTTE 378 TCTTE 378 TCTTE 365 TCTTE 370 TCTTE 365 TCTTE 374 TCTTE 374 TCTTE 374
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TCTRWE (0) TCRWE 353
TCTSK_RT_BITMAP_USED (BIT) TCTTE 401
TCTSK_TASK_DETACH_TIME (28) TCTTE 401
TOTOK_TACK_DETACK_(20) TOTTE 401
TCTSK_TERMINAL_NETNAME (30) TCTTE 401
TCTSK_TITOKEN (20) TCTTE 401
TCTSK_TOR_GRNAME (38) TCTTE 401
TCTSK_VIRTUAL_TERMINAL (BIT) TCTTE 401
TCTSK_VT_BITMAP_USED (BIT) TCTTE 401
TCTSK_VT_SO_CAPABLE (BIT) TCTTE 401
TCTSKAIP (BIT) TCTTE 400
TCTSKAIP (BIT) TCTTE 400 TCTSKDDP 401
TCTSKAIP (BIT) TCTTE 400 TCTSKDDP 401 TCTSKDSP 4 TCTTE 406
TCTSKAIP (BIT) TCTTE 400 TCTSKDDP 401 TCTSKDSP 4 TCTTE 406 TCTSKHID (C) TCTTE 401
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TCTSKAIP (BIT) TCTTE 400 TCTSKDDP 401 TCTSKDSP 4 TCTTE 406 TCTSKHID (C) TCTTE 401 TCTSKID (0) TCTTE 400 TCTSKINF (BIT) TCTTE 401 TCTSKMDE (10) TCTTE 401
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TCTSKAIP (BIT) TCTTE 400 TCTSKDDP 401 TCTSKDSP 4 TCTTE 406 TCTSKHID (C) TCTTE 401 TCTSKID (0) TCTTE 400 TCTSKINF (BIT) TCTTE 401 TCTSKNDF (BIT) TCTTE 401 TCTSKNDF (BIT) TCTTE 401 TCTSKNDL (BIT) TCTTE 401 TCTSKNET (18) TCTTE 401 TCTSKPSH (BIT) TCTTE 401 TCTSKSH 400 TCTSKSF (14) TCTTE 401 TCTSKSYS (8) TCTTE 401 TCTSKTT (4) TCTTE 401 TCTSKTT (4) TCTTE 401 TCTSKT (18) TCTTE 401 TCTSKT (18) TCTTE 401 TCTSKT (18) TCTTE 401 TCTSRA (18) TCTTE 401 TCTSRA (18) TCTTE 403 TCTTTT 364
TCTSKAIP (BIT) TCTTE 400 TCTSKDDP 401 TCTSKDDP 401 TCTSKDSP 4 TCTTE 406 TCTSKID (C) TCTTE 401 TCTSKID (D) TCTTE 400 TCTSKINF (BIT) TCTTE 401 TCTSKNDE (10) TCTTE 401 TCTSKNDE (BIT) TCTTE 401 TCTSKNDE (BIT) TCTTE 401 TCTSKNDE (BIT) TCTTE 401 TCTSKNET (18) TCTTE 401 TCTSKNET (18) TCTTE 401 TCTSKSSAI (BIT) TCTTE 401 TCTSKSHI (BIT) TCTTE 401 TCTSKSHI (BIT) TCTTE 401 TCTSKSHI (BIT) TCTTE 401 TCTSKSHO (BIT) TCTTE 401 TCTSKSHO (BIT) TCTTE 401 TCTSKSIF 400 TCTSKSRE (14) TCTTE 401 TCTSKSYS (8) TCTTE 401 TCTSKSYS (8) TCTTE 401 TCTSKTI (4) TCTTE 401 TCTSPRA (18) TCTWA 407 TCTT3750 1 TCTTE 403 TCTTE 364 TCTTE_ROUTABLE_START 366
TCTSKAIP (BIT) TCTTE 400 TCTSKDDP 401 TCTSKDSP 4 TCTTE 406 TCTSKID (C) TCTTE 401 TCTSKID (D) TCTTE 400 TCTSKINF (BIT) TCTTE 401 TCTSKNDE (10) TCTTE 401 TCTSKNDE (BIT) TCTTE 401 TCTSKNDE (BIT) TCTTE 401 TCTSKNDT (BIT) TCTTE 401 TCTSKNET (18) TCTTE 401 TCTSKNET (18) TCTTE 401 TCTSKSH (BIT) TCTTE 401 TCTSKSYS (8) TCTTE 401 TCTSKSYS (8) TCTTE 401 TCTSKST (14) TCTTE 400 TCTSPRA (18) TCTWA 407 TCTT3750 1 TCTTE 403 TCTTE 364 TCTTE_ROUTABLE_START 366 TCTTE_START_DATA (BIT) TCTTE 371
TCTSKAIP (BIT) TCTTE 400 TCTSKDDP 401 TCTSKDDP 401 TCTSKDSP 4 TCTTE 406 TCTSKID (C) TCTTE 401 TCTSKID (D) TCTTE 400 TCTSKINF (BIT) TCTTE 401 TCTSKNDE (10) TCTTE 401 TCTSKNDE (BIT) TCTTE 401 TCTSKNDE (BIT) TCTTE 401 TCTSKNDE (BIT) TCTTE 401 TCTSKNET (18) TCTTE 401 TCTSKNET (18) TCTTE 401 TCTSKSSAI (BIT) TCTTE 401 TCTSKSHI (BIT) TCTTE 401 TCTSKSHI (BIT) TCTTE 401 TCTSKSHI (BIT) TCTTE 401 TCTSKSHO (BIT) TCTTE 401 TCTSKSHO (BIT) TCTTE 401 TCTSKSIF 400 TCTSKSRE (14) TCTTE 401 TCTSKSYS (8) TCTTE 401 TCTSKSYS (8) TCTTE 401 TCTSKTI (4) TCTTE 401 TCTSPRA (18) TCTWA 407 TCTT3750 1 TCTTE 403 TCTTE 364 TCTTE_ROUTABLE_START 366
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TCTTEBBI (BIT) TCTTE 371 (A8) TCTTE 368 TCTTEBC TCTTEBDA (FC) TCTTE 371 TCTTEBDL (F0) TCTTE 371 TCTTEBEA (FC) TCTTE 371 TCTTEBES (F2) TCTTE 371 **TCTTEBFS** (12) TCTTE 396 TCTTEBIA (F8) TCTTE 371 TCTTEBIB 371 TCTTEBMN (24) TCTTE 396 TCTTEBSB (F0) TCTTE 371 TCTTEBTR (BIT) TCTTE TCTTEBUB (BIT) TCTTE 371 TCTTEC12 (BIT) TCTTE 372 TCTTEC15 (BIT) TCTTE 372 TCTTEC19 (BIT) TCTTE 372 TCTTEC24 (BIT) TCTTE 372 TCTTEC48 (BIT) TCTTE 372 TCTTEC96 (BIT) TCTTE 372 TCTTECA (10) TCTTE 364 TCTTECAD (30) TCTTE 365 TCTTECAI (BIT) TCTTE 369 TCTTECAU 364 TCTTECB (BIT) TCTTE 364 TCTTECBS (BIT) TCTTE 364 TCTTECBW (BIT) TCTTE 369 TCTTECCE (30) TCTTE 366 TCTTECCU (A0) TCTTE 368 TCTTECCV (BIT) TCTTE 364 TCTTECDF 372 TCTTECEB (BIT) TCTTE TCTTECEX (BIT) TCTTE 366 TCTTECFB (BIT) TCTTE TCTTECFG (114) TCTTE 372 TCTTECG (BIT) TCTTE 369 TCTTECHC (BIT) TCTTE 364 TCTTECIA (18) TCTTE 364 TCTTECIL (1C) TCTTE 364 TCTTECIS (BIT) TCTTE 366 TCTTECL (6) TCTTE 364 TCTTECLT (BIT) TCTTE 369 TCTTECMF (BIT) TCTTE 372 TCTTECND (BIT) TCTTE 370 TCTTECNI (38) TCTTE 366 TCTTECOL (BIT) TCTTE 367 TCTTECON 1 TCTTE 403 TCTTECPF (BIT) TCTTE 369 TCTTECPZ (BIT) TCTTE 372
TCTTECRC (BIT) TCTTE 372 TCTTECRE (44) TCTTE 366 TCTTECRI (BIT) TCTTE 371 TCTTECRS (BIT) TCTTE 369 TCTTECS TCTTECSF (C6) TCTTE 369 (BIT) TCTTE 369 TCTTECSM 372 TCTTECSO (BIT) TCTTE 366 TCTTECSS (110) TCTTE 372 TCTTECT (BIT) TCTTE 372 TCTTECTC (BIT) TCTTE 369 TCTTECTI (BIT) TCTTE 372 TCTTECTM (10D) TCTTE 372 TCTTECTR (BIT) TCTTE 366 (10C) TCTTE 372 TCTTECTT TCTTECUI (BIT) TCTTE 369 TCTTECV (BIT) TCTTE 364 TCTTECVS (BIT) TCTTE TCTTECWE 1 TCTTE 403 TCTTECYI (BIT) TCTTE 369 TCTTEDA (C) TCTTE 364 TCTTEDAP (BIT) TCTTE 368 TCTTEDBI (BIT) TCTTE 372 TCTTEDDP (BIT) TCTTE 368 TCTTEDDS 396 TCTTEDES (20) TCTTE 365 TCTTEDII (98) TCTTE 368 TCTTEDII2 368 TCTTEDLM (38) TCTTE 366 TCTTEDMP (FD) TCTTE 372 TCTTEDOC (102) TCTTE 371 TCTTEDOS (104) TCTTE 371 TCTTEDWR (BIT) TCTTE 370 TCTTEEDF (94) TCTTE 368 TCTTEEDS (BIT) TCTTE 367

TCTTEEIA (88) TCTTE 367
TCTTEELN (0) TCTTE 396
TCTTEEN (D8) TCTTE 370
TCTTEEOD (BIT) TCTTE 365
TCTTEEUI (BIT) TCTTE 369
TCTTEEXE 396
TCTTEFAA (BIT) TCTTE 365
TCTTEFCP (BIT) TCTTE 372
TCTTEFCV (BIT) TCTTE 365
TCTTEFDK (BIT) TCTTE 365
TCTTEFIB (33) TCTTE 365
TCTTEFLG (FC) TCTTE 371
TCTTEFMB (5) TCTTE 396
TCTTEFMP (BIT) TCTTE 396
TCTTEFP7 (BIT) TCTTE 365
TCTTEFPA (BIT) TCTTE 365
TCTTEFRL (BIT) TCTTE 367
TCTTEFSP (BIT) TCTTE 365
TCTTEFTU (BIT) TCTTE 365
TCTTEFX (1F) TCTTE 365
TCTTEFXF (BIT) TCTTE 365
TCTTEGU (6C) TCTTE 367
TCTTEGWI (BIT) TCTTE 369
TCTTEHIL (BIT) TCTTE 367
TCTTEICI (BIT) TCTTE 372
TOTTEINIV (DIT) TOTTE 270
TCTTEIO (C2) TCTTE 369 TCTTEIO2 (C3) TCTTE 369
TCTTEIO2 (C3) TCTTE 369
TCTTEIO2 (C3) TCTTE 369
TCTTEIRF (BIT) TCTTE 372
TCTTEISC 1 TCTTE 403
TCTTEISL 1 TCTTE 403
TCTTEIST (90) TCTTE 368
TCTTELCE (EC) TCTTE 398
TCTTELDC 396
TCTTELEA (70) TCTTE 367
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TCTTELPR (BIT) TCTTE 365
TCTTELSV (100) TCTTE 371
TCTTELUC (0) TCTTE 397
TCTTELUL 397
TCTTELUN (34) TCTTE 365
TCTTELUS 1 TCTTE 403
TCTTEMAP (2C) TCTTE 396
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372 TCTTEMCO 1 TCTTE 405
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372 TCTTEMC0 1 TCTTE 405 TCTTEMC1 (FC) TCTTE 372
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372 TCTTEMC0 1 TCTTE 405 TCTTEMCI (FC) TCTTE 372 TCTTEMEF (BIT) TCTTE 372
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372 TCTTEMC0 1 TCTTE 405 TCTTEMC1 (FC) TCTTE 372 TCTTEMEF (BIT) TCTTE 372 TCTTEMEF (110A) TCTTE 372
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372 TCTTEMC0 1 TCTTE 405 TCTTEMC1 (FC) TCTTE 372 TCTTEMEF (BIT) TCTTE 372 TCTTEMEF (10A) TCTTE 372 TCTTEMGI (BIT) TCTTE 372
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TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372 TCTTEMCO 1 TCTTE 405 TCTTEMCO 1 TCTTE 372 TCTTEMCO 1 TCTTE 372 TCTTEMEF (BIT) TCTTE 372 TCTTEMFL (10A) TCTTE 372 TCTTEMFL (10A) TCTTE 372 TCTTEMGI (BIT) TCTTE 372 TCTTEMGI (BIT) TCTTE 372 TCTTEMID 366 TCTTEMID 372 TCTTEMID (BIT) TCTTE 367 TCTTEMIN (BIT) TCTTE 370 TCTTEMND (BIT) TCTTE 370 TCTTEMND (BIT) TCTTE 370 TCTTEMSF (BIT) TCTTE 372 TCTTEMTD (BIT) TCTTE 372 TCTTEMTD (BIT) TCTTE 372 TCTTEMTO (BIT) TCTTE 372 TCTTEMTO (BIT) TCTTE 372 TCTTEMTO (BIT) TCTTE 372 TCTTEMTU (FC) TCTTE 372 TCTTEMTU (FC) TCTTE 372 TCTTEMUR (BIT) TCTTE 368 TCTTENI (BO) TCTTE 368 TCTTENI (BO) TCTTE 368 TCTTENI (BIT) TCTTE 368 TCTTENI (BIT) TCTTE 368 TCTTENI (BIT) TCTTE 366 TCTTENI (BIT) TCTTE 369 TCTTEOAO (BIT) TCTTE 369 TCTTEOAO (BIT) TCTTE 369 TCTTEOBO (BIT) TCTTE 396 TCTTEOBO (BIT) TCTTE 396 TCTTEOBO (BIT) TCTTE 396 TCTTEOBO (BIT) TCTTE 369
TCTTEMAP (2C) TCTTE 396 TCTTEMBI (BIT) TCTTE 370 TCTTEMBR (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372 TCTTEMBW (BIT) TCTTE 372 TCTTEMCO 1 TCTTE 405 TCTTEMEF (BIT) TCTTE 372 TCTTEMEF (BIT) TCTTE 372 TCTTEMEF (BIT) TCTTE 372 TCTTEMEF (BIT) TCTTE 372 TCTTEMGI (BIT) TCTTE 372 TCTTEMID 366 TCTTEMID 366 TCTTEMID 367 TCTTEMID 367 TCTTEMID (BIT) TCTTE 370 TCTTEMND (BIT) TCTTE 370 TCTTEMND (BIT) TCTTE 370 TCTTEMSG (BIT) TCTTE 370 TCTTEMSG (BIT) TCTTE 372 TCTTEMTD (BIT) TCTTE 372 TCTTEMTD (BIT) TCTTE 372 TCTTEMTD (BIT) TCTTE 372 TCTTEMTD (BIT) TCTTE 372 TCTTEMWR (BIT) TCTTE 372 TCTTEMWR (BIT) TCTTE 372 TCTTEMWR (BIT) TCTTE 372 TCTTENIU (FC) TCTTE 368 TCTTENIU (28) TCTTE 368 TCTTENNM (208) TCTTE 386 TCTTENNA (BIT) TCTTE 396 TCTTENSA (BIT) TCTTE 369 TCTTENSA (BIT) TCTTE 369 TCTTEOAT (BIT) TCTTE 396

TCTTEOE (BE) TCTTE 369 TCTTEOER (BIT) TCTTE 369 TCTTEOFC (BIT) TCTTE 365 TCTTEOFR (BIT) TCTTE 369 TCTTEOGA (BIT) TCTTE TCTTEOI (25) TCTTE 365 TCTTEOIC (BIT) TCTTE 369 TCTTEOLA (BIT) TCTTE 369 TCTTEONR (BIT) TCTTE 369 (2B) TCTTE 365 TCTTEOP TCTTEORL (BIT) TCTTE 369 TCTTEORR (BIT) TCTTE 369 TCTTEOS (C5) TCTTE 369 TCTTEOSR (BIT) TCTTE 369 TCTTEOSS (BIT) TCTTE 369 TCTTEOT (BA) TCTTE 369 TCTTEOTI (BIT) TCTTE 369 TCTTEOWL (BIT) TCTTE 369 TCTTEOWR (BIT) TCTTE TCTTEOWS (BIT) TCTTE 370 TCTTEPBF (BIT) TCTTE 371 TCTTEPBI (BIT) TCTTE 371 TCTTEPBK (BIT) TCTTE 369 TCTTEPBM (BIT) TCTTE 369 TCTTEPCR 364 TCTTEPCW (BIT) TCTTE 364 TCTTEPDA 371 TCTTEPDI (BIT) TCTTE 371 TCTTEPG3 (BIT) TCTTE 396 TCTTEPGA (BIT) TCTTE 396 TCTTEPGB (B) TCTTE 396 TCTTEPGC (8) TCTTE 396 TCTTEPGD (BIT) TCTTE 396 TCTTEPGG (BIT) TCTTE 396 TCTTEPGI (BIT) TCTTE 396 TCTTEPGL (7) TCTTE 396 TCTTEPGM (20) TCTTE 396 TCTTEPGO (BIT) TCTTE TCTTEPGP (BIT) TCTTE 396 TCTTEPGR (BIT) TCTTE 396 TCTTEPIP (BIT) TCTTE 372 TCTTEPL (BIT) TCTTE 366 396 TCTTEPOS (BIT) TCTTE 369 TCTTEPRC (AE) TCTTE 368 TCTTEPRI (BIT) TCTTE 371 TCTTEPRN (BIT) TCTTE 367 TCTTEPSA (14) TCTTE 396 TCTTEPSE (0) TCTTE 397 TCTTEPSI (BIT) TCTTE 372 TCTTEPSS (BIT) TCTTE 367 TCTTEPUB 1 TCTTE 403 TCTTEPXE 397 TCTTEPYI (BIT) TCTTE 371 TCTTEQAP (10) TCTTE 397 TCTTEQCL (16) TCTTE 397 TCTTEQF (C) TCTTE 397 TCTTEQLC (14) TCTTE 397 TCTTEQLN (0) TCTTE 397 TCTTEQPM 397 TCTTEQPT (2) TCTTE 397
TCTTEQSD (4) TCTTE 397
TCTTEQSL (1) TCTTE 397 TCTTEQST (4) TCTTE 397 TCTTEQYA (BIT) TCTTE 367 TCTTEQYC (BIT) TCTTE TCTTEQYN (BIT) TCTTE TCTTEQYP (BIT) TCTTE 367 TCTTERBI (BIT) TCTTE 369 TCTTERC (24) TCTTE 365 TCTTEREC (A6) TCTTE 368 TCTTERIN (30) TCTTE 366 TCTTERKI (BIT) TCTTE 372 TCTTERLA (6C) TCTTE 367 TCTTERLI (BIT) TCTTE 372 TCTTERMC (BIT) TCTTE 364 TCTTERMI (BIT) TCTTE 364 TCTTERMN (10F) TCTTE 372 TCTTERMP TCTTERMQ (BIT) TCTTE 364 TCTTERMS (BIT) TCTTE 364 TCTTERMT (BIT) TCTTE 364 TCTTERPI (BIT) TCTTE 369 TCTTERPR (BIT) TCTTE 369

TCTTERST (74) TCTTE 367 TCTTERTK (D6) TCTTE 370 TCTTERTT (10E) TCTTE 372 TCTTERVT (20) TCTTE 365 TCTTES3 1 TCTTE 403 TCTTES7 1 TCTTE 403 TCTTES7B 1 TCTTE 403 TCTTESA (BIT) TCTTE 367 TCTTESAT (BIT) TCTTE 364 **TCTTESAT** TCTTESBI (BIT) TCTTE 371 (8) TCTTE 364 TCTTESC (BIT) TCTTE 371 TCTTESCN TCTTESCV (A4) TCTTE 368 TCTTESCW (BIT) TCTTE 369 TCTTESEG (BIT) TCTTE 371 TCTTESID (32) TCTTE 366 (70) TCTTE 367 TCTTESKA **TCTTESKE** 1 TCTTE 403 TCTTESNP (BIT) TCTTE 364 TCTTESOS (BIT) TCTTE 364 TCTTESPA 372 TCTTESPC (F6) TCTTE 372 TCTTESPO (BIT) TCTTE 364 TCTTESQC (BIT) TCTTE 364 TCTTESRE (BIT) TCTTE 370 **TCTTESRO** (BIT) TCTTE 364 TCTTESSF (BIT) TCTTE 372 TCTTESTA (BIT) TCTTE 364 TCTTESTI (BIT) TCTTE 364 TCTTESTU (104) TCTTE 372 (84) TCTTE 367 TCTTESUA TCTTESUS (BIT) TCTTE 369 TCTTET35 1 TCTTE 403 TCTTET36 1 TCTTE 403 TCTTET37 TCTTE 403 TCTTET40 TCTTE 403 TCTTET4C TCTTE 403 TCTTET4E TCTTE 403 TCTTET50 TCTTE 403 TCTTET53 TCTTE 403 TCTTET65 TCTTE 403 TCTTET6L 403 TCTTE TCTTET6R TCTTE 403 TCTTET70 TCTTE 403 TCTTET74 **TCTTE** TCTTET75 1 TCTTE 403 TCTTET77 TCTTE 403 TCTTFT80 TCTTE 403 1 TCTTE 403 TCTTET84 TCTTET86 1 TCTTE 403 TCTTETA (6C) TCTTE 367 TCTTETAB (33) TCTTE 366 TCTTETAM 1 TCTTE 403 TCTTETBI 1 TCTTE 403 TCTTETC (7C) TCTTE 367 TCTTETC1 (C1) TCTTE 369 TCTTETCM (24) TCTTE TCTTETCR 1 TCTTE 403 TCTTETDE (FC) TCTTE 371 TCTTETDO (30) TCTTE 365 TCTTETE (B8) TCTTE 369 TCTTETEA (78) TCTTE 367 TCTTETEL (54) TCTTE 367 TCTTETEN (56) TCTTE 367 (BIT) TCTTE TCTTETFH (BIT) TCTTE 396 TCTTETFM (BIT) TCTTE 396 TCTTETFS (5) TCTTE 396 TCTTETEV (BIT) TCTTE 396 TCTTETHC 1 TCTTE 403 TCTTETI (0) TCTTE 364 TCTTETID (34) TCTTE 366 TCTTETIM (210) TCTTE 381 1 TCTTE 403 1 TCTTE 403 TCTTETIN TCTTETL4 TCTTETL6 403 1 TCTTE TCTTETL7 1 TCTTE 403 **TCTTETLM** (30) TCTTE 366 TCTTETLX 1 TCTTE 403 TCTTETM (5) TCTTE 364 TCTTETM1 (BIT) TCTTE 371 TCTTETM2 (BIT) TCTTE 371 TCTTETM4 (BIT) TCTTE 371

TCTTETMC (BIT) TCTTE 367 TCTTETML (F0) TCTTE 371 1 TCTTE 403 TCTTETMT TCTTETOT (BIT) TCTTE 365 TCTTETP (D9) TCTTE 370 (18) TCTTE 396 TCTTETPA TCTTETPD 1 TCTTE 403 (F4) TCTTE 371 TCTTETQN (BIT) TCTTE 369 TCTTETRM TCTTETRY (BIT) TCTTE TCTTETS (7) TCTTE 364 TCTTETSC (BIT) TCTTE 367 TCTTETSD 1 TCTTE 403 TCTTETSY 1 TCTTE 403 TCTTETT (4) TCTTE 364 TCTTETTE (0) TCTTE 396 TCTTETTO (BIT) TCTTE 370 (FD) TCTTE 371 TCTTETTV TCTTETVO 1 TCTTE 403 TCTTETW (BIT) TCTTE 365 TCTTETWW (BIT) TCTTE 36 369 TCTTETWX 1 TCTTE 403 TCTTEUCN (8C) TCTTE 367 TCTTEUIP (BIT) TCTTE 370 TCTTEURC (1E) TCTTE 365 TCTTEUSE (54) TCTTE 367 TCTTEVAL (BIT) TCTTE 367 **TCTTEVDA** (3C) TCTTE 366 TCTTEWCI (BIT) TCTTE 369 TCTTEWCS (103) TCTTE 371 TCTTEWKF TCTTEWLI (BIT) TCTTE 372 TCTTEX0 (F0) TCTTE 371 TCTTEX1 (F0) TCTTE 371 TCTTEXAC (BIT) TCTTE 369 TCTTEXHN (1C) TCTTE 396 (BIT) TCTTE TCTTEXLT 371 TCTTEY1 (FC) TCTTE 371 TCTTEY2 (FC) TCTTE 371 TCTTEY3 (FC) TCTTE 372 TCTTEY5 (FC) TCTTE 372 TCTTEZ0 (A8) TCTTE 368 TCTTEZ1 (A8) TCTTE 368 TCTTEZ2 368 TCTTEZ3 (A8) TCTTE TCTTT (4E) TCTWA 407 TCTUAXFI (BIT) TCTTE 397 TCTV APPC BITMAP (80) TCTFX 355 TCTV_BRIDGE_BITMAP (590) TCTFX 360 TCTV_CCE_ATI (BIT) TCTFX 356 TCTV_CCE_TASK (BIT) TCTFX 356 TCTV_CESC_ENABLE_TIMEOUT 1 TCTFX 361 TCTV_CESC_FLAGS (5CD) TCTFX 361 TCTV_CESC_FUNCTION (5CC) TCTFX 361 TCTV CESC_SCHEDULED (BIT) TCTFX 361 TCTV_CESC_TERM_TIMEOUT 1 TCTFX 361 TCTV_CESC_TIME (5C4) TCTFX 361 TCTV_CESC_XRF_TIMEOUT 1 TCTFX TCTV_CONS_BITMAP (594) TCTFX 360 TCTV_FIRST_NIBLIST_PTR (530) TCTFX 360 TCTV FLAG DELETES (628) TCTFX 361 TCTV_GENRNAME (5B0) TCTFX 361 TCTV GR DEREGD 1 TCTFX 362 TCTV_GR_DEREGERR 1 TCTFX 362 TCTV_GR_NOTAPPL 1 TCTFX 362 TCTV_GR_NOTAVAIL 1 TCTFX 362 TCTV_GR_NOTREG 1 TCTFX 362 TCTV GR REGD 1 TCTFX 361 TCTV GR REGERR 1 TCTFX 361 TCTV_GRQL 360 TCTV_GRQN (59F) TCTFX 361 TCTV_GRSTATUS (5B8) TCTFX 361 TCTV_IDLE_COUNT (600) TCTFX 361 TCTV_LU61_HEAD (120) TCTFX 356 TCTV MAXIMUM IDLETIME (604) TCTFX 361 TCTV_MRO_BITMAP (84) TCTFX 355 TCTV_MRO_HEAD (A4) TCTFX 356 TCTV_NIB_EXLST_PTR (54C) TCTFX 360 TCTV_PRSS_AVAILABLE (BIT) TCTFX 359 TCTV_PRSS_CHUNK (50C) TCTFX 360 TCTV_PRSS_ERROR_COUNT (548) TCTFX 360 TCTV PRSS INQUIRE COUNT (53C) TCTFX 360 TCTV_PRSS_INQUIRE_THRESHOLD (510) TCTFX 360

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TCTV_PRSS_LNKTABLE_PTR (534) TCTFX 360
TCTV_PRSS_NIB_COUNT (538) TCTFX 360
TCTV_PRSS_OPNDST_COUNT (540) TCTFX 360
TCTV_PRSS_PRED_TAKEOVER (BIT) TCTFX 359
TCTV_PRSS_PRED_VICTIM (BIT) TCTFX 360
TCTV_PRSS_RPL_POOL_PTR (528) TCTFX 360
TCTV_PRSS_SUBSET (BIT) TCTFX 359
TOTY_PROS_SUBSET (BIT) TOTTX 339
TCTV_PRSS_UNBIND_COUNT (544) TCTFX 360
TCTV_PRSS_UNBIND_RPLS_PTR (52C) TCTFX 360
TCTV_PRSS_UNBIND_THRESHOLD (514) TCTFX 360
TCTV_PRSS_VTAM_ABEND (BIT) TCTFX 360
TCTV_PSDI (524) TCTFX 360
TCTV_RA_2118_ISSUED (BIT) TCTFX 357
TCTV_RA_DONE (BIT) TCTFX 360
TCTV_RA_STALL (BIT) TCTFX 355
TCTV_RA_STALL_COUNT (550) TCTFX 360
TCTV_REMDEL_DELETES (634) TCTFX 361
TCTV_REMDEL_HEAD (124) TCTFX 356
TCTV_REMDELS_IN (62C) TCTFX 361
TCTV_REMDELS_OUT (630) TCTFX 361
TCTV_REMDIDLE (618) TCTFX 361
TCTV_REMDINT (614) TCTFX 361
TCTV_RPL_NUMBER 1 TCTFX 361
TCTV_RT_BITMAP (588) TCTFX 360
TCTV_SAVE_GRNAME (580) TCTFX 360
TCTV_SKELETONS_BUILT (61C) TCTFX 361
TCTV_SKELETONS_CURRENT (620) TCTFX 361
TCTV_SKELETONS_DELETED (624) TCTFX 361
TCTV_TOTAL_IDLETIME (60C) TCTFX 361
TCTV_TRACE (92) TCTFX 355
TCTV_VIRTTERM_BITMAP (58C) TCTFX 360
TCTV_ZBLX_ERR_OFFSET (140) TCTFX 357
TCTV_ZC_ENQ_POOL_TOKEN (598) TCTFX 360
TCTV_ZCN2 (564) TCTFX 360
TCTV_ZCNIBLST_TOKEN (518) TCTFX 360
TCTV_ZGAI (5F4) TCTFX 361
TCTV_ZGBM (5D0) TCTFX 361
TCTV_ZGCA (5F0) TCTFX 361
TCTV_ZGCC (5E0) TCTFX 361
TCTV_ZGCH (55C) TCTFX 360
TCTV_ZGCN (5EC) TCTFX 361
TCTV_ZGDA (5E8) TCTFX 361 TCTV_ZGIN (560) TCTFX 360
TCTV_ZGIN (560) TCTFX 360
TCTV_ZGPC (5E4) TCTFX 361
TCTV_ZGPR (5C0) TCTFX 361
TCTV_ZGRP (5D4) TCTFX 361
TCTV_ZGRP_FAILED (BIT) TCTFX 360
TCTV_ZGRP_FIN_ECB (520) TCTFX 360
TOTAL TOOL (FDG) TOTELY GOA
TCTV_ZGSL (5D8) TCTFX 361
TCTV ZGTA (558) TCTFX 360
TCTV_ZGTA (558) TCTFX 360 TCTV_ZGTI (554) TCTFX 360
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TCTV_ZGTA (558) TCTFX 360 TCTV_ZGTI (554) TCTFX 360 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZGXA 361 TCTV_ZLGX_SLUNAME 360 TCTV_ZLGX_TOKEN (57C) TCTFX 360 TCTV_ZSLS_ECB (1F4) TCTFX 357 TCTV31BA (BIT) TCTFX 354 TCTV32EA 356
TCTV_ZGTA (558) TCTFX 360 TCTV_ZGTI (554) TCTFX 360 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZGXA 361 TCTV_ZLGX_SLUNAME 360 TCTV_ZLGX_TOKEN (57C) TCTFX 360 TCTV_ZSLS_ECB (1F4) TCTFX 357 TCTV31BA (BIT) TCTFX 354
TCTV_ZGTA (558) TCTFX 360 TCTV_ZGTI (554) TCTFX 360 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZGXA 361 TCTV_ZLGX_SLUNAME 360 TCTV_ZLGX_TOKEN (57C) TCTFX 360 TCTV_ZSLS_ECB (1F4) TCTFX 357 TCTV31BA (BIT) TCTFX 354 TCTV32EA 356 TCTV32P4 (BC) TCTFX 356
TCTV_ZGTA (558) TCTFX 360 TCTV_ZGTI (554) TCTFX 360 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZLGX 361 TCTV_ZLGX_SLUNAME 360 TCTV_ZLGX_TOKEN (57C) TCTFX 360 TCTV_ZSLS_ECB (1F4) TCTFX 357 TCTV31BA (BIT) TCTFX 354 TCTV32EA 356 TCTV32P4 (BC) TCTFX 356 TCTV32P4 (BC) TCTFX 356
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TCTV_ZGTA (558) TCTFX 360 TCTV_ZGTI (554) TCTFX 360 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZGXA 361 TCTV_ZLGX_SLUNAME 360 TCTV_ZLGX_TOKEN (57C) TCTFX 360 TCTV_ZLGX_TOKEN (57C) TCTFX 357 TCTV31BA (BIT) TCTFX 354 TCTV32EA 356 TCTV32P4 (BC) TCTFX 356 TCTV32P4 (BC) TCTFX 356 TCTV32P8 (B9) TCTFX 356 TCTV32P8 (B9) TCTFX 356 TCTVAAA1 356 TCTVAAA2 (114) TCTFX 356
TCTV_ZGTA (558) TCTFX 360 TCTV_ZGTI (554) TCTFX 360 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZLGX_SLUNAME 360 TCTV_ZLGX_TOKEN (57C) TCTFX 360 TCTV_ZLGX_TOKEN (57C) TCTFX 357 TCTV31BA (BIT) TCTFX 354 TCTV32EA 356 TCTV32P4 (BC) TCTFX 356 TCTV32P7 (BA) TCTFX 356 TCTV32P8 (B9) TCTFX 356 TCTV32P8 (B9) TCTFX 356 TCTVAA1 356 TCTVAA2 (114) TCTFX 356 TCTVAA2 (114) TCTFX 356
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TCTV_ZGTA (558) TCTFX 360 TCTV_ZGTI (554) TCTFX 360 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZGUB (5DC) TCTFX 361 TCTV_ZLGX_SLUNAME 360 TCTV_ZLGX_TOKEN (57C) TCTFX 360 TCTV_ZLGX_TOKEN (57C) TCTFX 357 TCTV31BA (BIT) TCTFX 354 TCTV32EA 356 TCTV32P4 (BC) TCTFX 356 TCTV32P7 (BA) TCTFX 356 TCTV32P8 (B9) TCTFX 356 TCTV32P8 (B9) TCTFX 356 TCTVAA1 356 TCTVAA2 (114) TCTFX 356 TCTVAA2 (114) TCTFX 356
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TCX 414
TCXDF_ENTRY 2 DUA 94
TCXDF_EXIT 2 DUA 94 TCXDF_RECOVERY 2 DUA 94 TD_ADDR_LIST (0) TDUE 421 TD_ADDR0 (0) TDUE 421
TD_ADDR1 (4) TDUE 421
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TDST_QR_TCB (D0) TDST 418 TDST_RECOVERY_DATA 418 TDST_REMOTE_DCTE_STG_SUBPOOL (4C) TDST 417 TDST_RESP_418 TDST_RESP_DISASTER (BIT) TDST 418 TDST_RESP_DISASTER (BIT) TDST 418 TDST_RESP_EXCEPTION (BIT) TDST 418 TDST_RESP_INVALID (BIT) TDST 418 TDST_SDS (2C) TDST 417 TDST_SDS (2C) TDST 417 TDST_SPEBLKS (74) TDST 417 TDST_SPEBLKS (74) TDST 417 TDST_SRC 418 TDST_STATUS 417 TDST_TCA_P (8C) TDST 418 TDST_TD_INIT 418 TDST_TDANA (10) TDST 417 TDST_DBNA (14) TDST 417 TDST_TDBNA (14) TDST 417 TDST_TDCUB_STG_SUBPOOL (A8) TDST 418 TDST_TDQUB_STG_SUBPOOL (A0) TDST 418 TDST_TDQUB_STG_SUBPOOL (A0) TDST 418	terminal input/output area, TIOA 428 terminal partition extension, TPE 436 terminal statistics, A06 15 terminal type parameter, TTP 460 TERMINAL_MAP_OFFSET 2 APSTG 10 TERMOS (BIT) TEPCA 424 TEXTOFF (BIT) MGM 226 thread file request thread element, FRTEC 168 TIE 425 TIE_EYE (2) TIE 425 TIE_EYE (2) TIE 425 TIE_EYE (8) TIE 425 TIE_EYE (9) TIE 425 TIE_LEN (0) TIE 425 TIE_PREFIX (0) TIE 425 TIE_PREFIX (0) TIE 425 TIE_PREFIX (0) TIE 425 TIEG2UOW (38) TIE 425 TIEADDLK (BIT) TIE 426 TIECEDFY (BIT) TIE 426
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TIEMFEDF 426	
	TMELOCK5 (60) TMELD 431
TIEMSPI (BIT) TIE 426	TMELOCK6 (58) TMELD 431
TIEMSYNC 426	TMELOCK7 (50) TMELD 431
TIEMTASK 426	TMELOCK8 (48) TMELD 431
TIENOSEC (BIT) TIE 425	TMELOCK9 (40) TMELD 431
TIEPBTOK (24) TIE 425	TMELOCKA (38) TMELD 431
TIERCNT (28) TIE 425	TMELOCKB (30) TMELD 431
TIEREADO (BIT) TIE 426	TMELOCKC (28) TMELD 431
TIERECOV (30) TIE 425	TMELOCKD (20) TMELD 431
TIERMQUA (5C) TIE 425	TMELOCKE (18) TMELD 431
TIERNEC (BIT) TIE 426	TMELOCKF (10) TMELD 431
TIERTKN (30) TIE 425	TMELOCKG (8) TMELD 431
TIESEC 425	TMELPTR (0) TMELD 431
TIESECBLK (1C) TIE 425	TMELSIZE (BIT) TMELD 431
TIESECFLG (20) TIE 425	TMENQHLD (308) TMS 434
TIESETHR (BIT) TIE 426	TMENUMRL (4) TMELD 431
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TIESETLI (BIT) TIE 426	TMENUMSL (BIT) TMELD 431
TIESETTK (BIT) TIE 426	TMGLCHPT (31C) TMS 434
TIESINGU (BIT) TIE 426	TMGLCNT (324) TMS 434
TIESUPDR (BIT) TIE 426	TMGLLOCK (320) TMS 434
TIESYNCP 426	TMGLVALU (320) TMS 434
TIETAL (76) TIE 426	TMGRLSEG (31C) TMS 434
TIETRABD (BIT) TIE 426	TMHSIZE 434
TIETRACE 425	TMLOCK_TOKEN (460) TMS 434
TIETRLV1 (BIT) TIE 425	TMNDESG (C) TMS 434
TIETRLV2 (BIT) TIE 425	TMNDX (60) SPI 320
TIETRUEP (18) TIE 425	TMQEQHD (30C) TMS 434
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TIEUTCA (14) TIE 425	TMR61WT (440) MNT 235
TIEVALID (BIT) TIE 425	TMR62ICH (1B4) MNT 233
time-of-day	TMR62IMC (1B0) MNT 233
XRF CAVM time-of-day clock difference, WSC 529	TMR62OCH (1BC) MNT 233
TIOA 428	TMR62OMC (1B8) MNT 233
TIOACLCR (B) TIOA 428	TMR62WT (448) MNT 235
TIOADBA (C) TIOA 428	TMRABCDC (188) MNT 233
TIOALAC (B) TIOA 428	TMRABCDO (184) MNT 233
TIOASAA (0) TIOA 428	TMRACMTH (96) MNT 233
TIOASAL 428	TMRACMTH_BGAM (BIT) MNT 233
TIOASCA (4) TIOA 428	TMRACMTH_BSAM (BIT) MNT 233
TIOATDL (8) TIOA 428	TMRACMTH_BTAM (BIT) MNT 233
TIOAWCI (A) TIOA 428	TMRACMTH_CONSOLE (BIT) MNT 233
TKVFUNCM (0) WST 535	TMRACMTH_NOTAPPLIC (BIT) MNT 233
TKVINST# 535	TMRACMTH_TCAM (BIT) MNT 233
TKVJTMTL (C) WST 536	TMRACMTH_TCAMSNA (BIT) MNT 233
TKVMSG (14) WST 536	TMRACMTH_VTAM (BIT) MNT 233
TKVMSGL (10) WST 536	TMRACTID (110) MNT 233
TKVPA (0) WST 535	TMRACTNM (144) MNT 233
TKVPALEN (BIT) WST 536	TMRATTT (1C) MNT 232
TKVVER 535	TMRBAADC (30C) MNT 234
TLARG0PT (28) SPI 319	TMRBAAPC (300) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319	TMRBADAC (2EC) MNT 234
TLARG0PT (28) SPI 319	, ,
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319	TMRBADAC (2EC) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADAC (2E4) MNT 234 TMRBAPDC (308) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBALKC (2E4) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBALKC (2E4) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2EO) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (314) MNT 234 TMRBARSC (2DC) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (31C) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLLMSGOFF (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADAC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBAPCC (308) MNT 234 TMRBAPCC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBARSC (31C) MNT 234 TMRBATAC (31C) MNT 234 TMRBATAC (31C) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR5 (15) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBALKC (2E4) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (3DC) MNT 234 TMRBATAC (31C) MNT 234 TMRBATAC (31C) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLRDICCS (BIT) SPI 319 TLRDICICS (BIT) SPI 319 TLRDIMIG (BIT) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARSC (314) MNT 234 TMRBARSC (310) MNT 234 TMRBATAC (31C) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATEC (320) MNT 234 TMRBATEC (320) MNT 234 TMRBATEC (320) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR5 (15) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARSC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATPC (304) MNT 234 TMRBATPC (304) MNT 234 TMRBDCPC (2FC) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLRDICCS (BIT) SPI 319 TLRDICICS (BIT) SPI 319 TLRDIMIG (BIT) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARSC (314) MNT 234 TMRBARSC (310) MNT 234 TMRBATAC (31C) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATEC (320) MNT 234 TMRBATEC (320) MNT 234 TMRBATEC (320) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPURDD (BIT) SPI 319 TLPURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDING (BIT) SPI 319 TLRDING (BIT) SPI 319 TLRDING (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARSC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATPC (304) MNT 234 TMRBATPC (304) MNT 234 TMRBDCPC (2FC) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_YSID (14) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBALKC (2E4) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARAC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (3E0) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSYSID (14) SPI 319 TLUPGUSG (BIT) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBARC (2E0) MNT 234 TMRBARCC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARSC (314) MNT 234 TMRBARSC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBBCPC (2FC) MNT 234 TMRBGIN 232 TMRBMIC (280) MNT 234 TMRBMMC (27C) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSYSID (14) SPI 319 TLUPGUSG (BIT) SPI 319	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATEC (320) MNT 234 TMRBATPC (304) MNT 234 TMRBDCPC (2FC) MNT 234 TMRBEGIN 232 TMRBMIC (280) MNT 234 TMRBMIC (27C) MNT 234 TMRBMOC (284) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSYSID (14) SPI 319 TLUSPGUSG (BIT) SPI 319 TMABORD (20) TMS 434	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBALKC (2E4) MNT 234 TMRBAPDC (308) MNT 234 TMRBAPDC (310) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARAC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (2FC) MNT 234 TMRBATCC (280) MNT 234 TMRBMC (280) MNT 234 TMRBMMC (288) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_YSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (3EF) MNT 234 TMRBDCPC (2FC) MNT 234 TMRBMC (2FC) MNT 234 TMRBMC (284) MNT 234 TMRBMC (286) MNT 234 TMRBMC (286) MNT 234 TMRBMC (286) MNT 234 TMRBMC (286) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPCURDD (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSYSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUBROEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARC (2E0) MNT 234 TMRBARCC (310) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBBCPC (2FC) MNT 234 TMRBGIN 232 TMRBBIC (280) MNT 234 TMRBMIC (280) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (284) MNT 234 TMRBMC (288) MNT 234 TMRBMTC (288) MNT 234 TMRBSPAC (2F4) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 319 TLUPGUSG (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMBITS (1C) TMS 434	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATPC (304) MNT 234 TMRBATPC (304) MNT 234 TMRBEGIN 232 TMRBMIC (2FC) MNT 234 TMRBMIC (27C) MNT 234 TMRBMOC (288) MNT 234 TMRBMC (27B) MNT 234 TMRBMC (27B) MNT 234 TMRBMC (2F3) MNT 234 TMRBPAC (2F3) MNT 234 TMRBPAC (2F4) MNT 234 TMRBPAC (2F4) MNT 234 TMRBTPAC (2F0) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSYSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMBITS (1C) TMS 434 TMBITS (1C) TMS 434 TMBITS (1C) TMS 434 TMCLHD 434	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBALKC (2E4) MNT 234 TMRBAPDC (308) MNT 234 TMRBAPDC (310) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARAC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (320) MNT 234 TMRBATC (3E0) MNT 234 TMRBATC (3E0) MNT 234 TMRBATC (3E0) MNT 234 TMRBATC (2FC) MNT 234 TMRBMC (2FC) MNT 234 TMRBMC (2B0) MNT 234 TMRBMC (2B0) MNT 234 TMRBMC (2B0) MNT 234 TMRBMC (2B0) MNT 234 TMRBMC (2FC) MNT 234 TMRBMC (2FC) MNT 234 TMRBMC (2FC) MNT 234 TMRBRPAC (2FC) MNT 234 TMRBSPAC (2FC) MNT 234 TMRBTPAC (2FC) MNT 234 TMRBTPAC (2FC) MNT 234 TMRBTRID (9C) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPCURDD (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_YSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLARGOPT (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCLLAST (318) TMS 434	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBAPC (308) MNT 234 TMRBAPC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBDCPC (2FC) MNT 234 TMRBGIN 232 TMRBMIC (280) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (284) MNT 234 TMRBMC (284) MNT 234 TMRBMC (284) MNT 234 TMRBMTC (288) MNT 234 TMRBPAC (2F8) MNT 234 TMRBPAC (2F8) MNT 234 TMRBPAC (2F8) MNT 234 TMRBPAC (2F6) MNT 234 TMRBTPAC (2F6) MNT 233 TMRCDTWT (4B0) MNT 235
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPURDD (BIT) SPI 319 TLPURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLRDICCS (BIT) SPI 319 TLRDIMIG (BIT) SPI 319 TLRDIMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSYSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLMABORD (20) TMS 434 TMASTV (8) TMS 434 TMASTV (8) TMS 434 TMSILS (1C) TMS 434 TMCLLAST (318) TMS 434	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (3EC) MNT 234 TMRBATCC (2FC) MNT 234 TMRBGIN 232 TMRBMIC (280) MNT 234 TMRBMIC (280) MNT 234 TMRBMIC (284) MNT 234 TMRBMC (284) MNT 234 TMRBMC (286) MNT 234 TMRBMTC (287) MNT 234 TMRBMTC (288) MNT 234 TMRBPAC (2F4) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTRID (9C) MNT 234 TMRCFACT (2E4) MNT 235 TMRCFACT (2E4) MNT 235
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTIMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSPSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCLHD 434 TMCLLAST (318) TMS 434 TMCOUNT (14) TMS 434 TMCOUNT (14) TMS 434 TMCDLL 429	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATC (301) MNT 234 TMRBATC (300) MNT 234 TMRBATPC (304) MNT 234 TMRBATPC (304) MNT 234 TMRBGIN 232 TMRBMIC (280) MNT 234 TMRBMIC (27C) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (288) MNT 234 TMRBMC (288) MNT 234 TMRBMC (288) MNT 234 TMRBPAC (2F8) MNT 234 TMRBPAC (2F6) MNT 234 TMRBTPAC (2F8) MNT 234 TMRBTPAC (2F8) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTRID (9C) MNT 233 TMRCDTWT (4B0) MNT 235 TMRCFACT (2B4) MNT 235 TMRCFACT (2B4) MNT 234 TMRCHMDC (368) MNT 235
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPURDD (BIT) SPI 319 TLPURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLRDICCS (BIT) SPI 319 TLRDIMIG (BIT) SPI 319 TLRDIMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSYSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLMABORD (20) TMS 434 TMASTV (8) TMS 434 TMASTV (8) TMS 434 TMSILS (1C) TMS 434 TMCLLAST (318) TMS 434	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (3EC) MNT 234 TMRBATCC (2FC) MNT 234 TMRBGIN 232 TMRBMIC (280) MNT 234 TMRBMIC (280) MNT 234 TMRBMIC (284) MNT 234 TMRBMC (284) MNT 234 TMRBMC (286) MNT 234 TMRBMTC (287) MNT 234 TMRBMTC (288) MNT 234 TMRBPAC (2F4) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTRID (9C) MNT 234 TMRCFACT (2E4) MNT 235 TMRCFACT (2E4) MNT 235
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTIMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSPSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCLHD 434 TMCLLAST (318) TMS 434 TMCOUNT (14) TMS 434 TMCOUNT (14) TMS 434 TMCDLL 429	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATC (301) MNT 234 TMRBATC (300) MNT 234 TMRBATPC (304) MNT 234 TMRBATPC (304) MNT 234 TMRBGIN 232 TMRBMIC (280) MNT 234 TMRBMIC (27C) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (288) MNT 234 TMRBMC (288) MNT 234 TMRBMC (288) MNT 234 TMRBPAC (2F8) MNT 234 TMRBPAC (2F6) MNT 234 TMRBTPAC (2F8) MNT 234 TMRBTPAC (2F8) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTRID (9C) MNT 233 TMRCDTWT (4B0) MNT 235 TMRCFACT (2B4) MNT 235 TMRCFACT (2B4) MNT 234 TMRCHMDC (368) MNT 235
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPCURDD (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_YSID (14) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCLLAST (318) TMS 434 TMCLLAST (318) TMS 434 TMCUNT (14) TMS 434 TMCLLAST (318) TMS 434 TMDEL 429 TMDSG 430 TMELD 431	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARSC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (2F0) MNT 234 TMRBGIN 232 TMRBMC (2F0) MNT 234 TMRBMC (280) MNT 234 TMRBMC (2F0) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBPAC (2F0) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTRID (9C) MNT 233 TMRCHMC (368) MNT 235 TMRCHMC (368) MNT 235 TMRCHMWM (1E0) MNT 234 TMRCHWMM (1E0) MNT 234 TMRCHWMM (1E0) MNT 235 TMRCHWMM (1E0) MNT 235 TMRCHWMM (1E0) MNT 234 TMRCHWMM (1E0) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCLHD 434 TMCLLAST (318) TMS 434 TMCOUNT (14) TMS 434 TMDEL 429 TMDSG 430 TMELD 431 TMELKEND (BIT) TMELD 431	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBARC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (320) MNT 234 TMRBATCC (2FC) MNT 234 TMRBGIN 232 TMRBIC (280) MNT 234 TMRBMIC (280) MNT 234 TMRBMIC (284) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (284) MNT 234 TMRBMC (286) MNT 234 TMRBPAC (2F6) MNT 234 TMRBPAC (2F6) MNT 234 TMRBTPAC (2F6) MNT 234 TMRBTPAC (2F6) MNT 234 TMRBTRID (9C) MNT 234 TMRBTRID (9C) MNT 234 TMRBTRID (9C) MNT 234 TMRCHWMB (1DC) MNT 235 TMRCHWMA (1E0) MNT 234 TMRCHWMB (1DC) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTIMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLSPSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCLHD 434 TMCLHD 434 TMCLHD 434 TMCLHD 430 TMCLLAST (318) TMS 434 TMCLHD 431 TMELKEND (BIT) TMELD 431 TMELKEND (BIT) TMELD 431 TMELKEND (BIT) TMELD 431	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E4) MNT 234 TMRBADC (2E4) MNT 234 TMRBADC (308) MNT 234 TMRBAPDC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (310) MNT 234 TMRBARAC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATC (304) MNT 234 TMRBATC (300) MNT 234 TMRBATC (2FC) MNT 234 TMRBATC (280) MNT 234 TMRBATC (320) MNT 234 TMRBMC (2FC) MNT 234 TMRBPAC (2FC) MNT 234 TMRBTRID (9C) MNT 234 TMRBTRID (9C) MNT 234 TMRCDTWT (4B0) MNT 235 TMRCHWMA (1E0) MNT 235 TMRCHWMA (1E0) MNT 234 TMRCHWMA (1E0) MNT 233 TMRCHWMA (1DC) MNT 234 TMRCHWMB (1DC) MNT 233 TMRCOCCA (1FC) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPCURDD (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTINIG (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_YSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMAITV (8) TMS 434 TMCLLAST (318) TMSLD 431 TMELKEND (BIT) TMELD 431 TMELKEND (BIT) TMELD 431	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBAPAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARAC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (2FC) MNT 234 TMRBMC (2FC) MNT 234 TMRBMC (2B0) MNT 234 TMRBNC (2B0) MNT 234 TMRBNC (2F0) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTPAC (2F0) MNT 233 TMRCDTWT (4B0) MNT 235 TMRCDTWT (4B0) MNT 235 TMRCHMDC (368) MNT 234 TMRCHMMA (1E0) MNT 234 TMRCHWMA (1E0) MNT 234 TMRCHWMA (1E0) MNT 234 TMRCHWMA (1E0) MNT 234 TMRCIPAD (154) MNT 234 TMRCIPAD (154) MNT 234 TMRCOCCA (1FC) MNT 234 TMRCOCCB (1FC) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLLEN2 (C) SPI 319 TLPCURDD (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_YSID (14) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMASKT (8) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCLLAST (318) TMS 434 TMCLLAST (318) TMS 434 TMCLLAST (318) TMS 434 TMCUNT (14) TMS 434 TMCLLAST (318) TMSLD 431 TMELKEND (BIT) TMELD 431 TMELKEND (BIT) TMELD 431 TMELKEND (BIT) TMELD 431 TMELKEND (BIT) TMELD 431	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARSC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (2F0) MNT 234 TMRBOPC (2FC) MNT 234 TMRBGIN 232 TMRBMIC (280) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (284) MNT 234 TMRBMC (284) MNT 234 TMRBMC (2F6) MNT 234 TMRBPAC (2F8) MNT 234 TMRBPAC (2F9) MNT 234 TMRBPAC (2F9) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTPAC (2F0) MNT 233 TMRCDTWT (4B0) MNT 235 TMRCHMDC (368) MNT 235 TMRCHWMA (1E0) MNT 234 TMRCHWMB (1DC) MNT 234 TMRCOCCB (1F4) MNT 234
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCUHD 434 TMCLHD 434 TMCLLAST (318) TMS 434 TMCOUNT (14) TMS 434 TMCUHD 431 TMELKEND (BIT) TMELD 431 TMELKSTR (BIT) TMELD 431 TMELKSTR (BIT) TMELD 431 TMELKSTR (BIT) TMELD 431 TMELKSTR (BIT) TMELD 431 TMELCCK1 (80) TMELD 431 TMELCCK2 (78) TMELD 431	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBARC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATEC (320) MNT 234 TMRBATEC (304) MNT 234 TMRBATPC (304) MNT 234 TMRBATPC (307) MNT 234 TMRBMIC (280) MNT 234 TMRBMIC (280) MNT 234 TMRBMIC (280) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (288) MNT 234 TMRBMC (2F8) MNT 234 TMRBTPAC (2F8) MNT 234 TMRBTPAC (2F9) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTRID (9C) MNT 234 TMRBTRID (9C) MNT 234 TMRBTRID (9C) MNT 234 TMRCHWMA (1E0) MNT 235 TMRCHWMB (1DC) MNT 234 TMRCHWMB (1DC) MNT 234 TMRCIPAD (154) MNT 234 TMRCIPAD (154) MNT 234 TMRCIPAD (154) MNT 234 TMRCIPAD (154) MNT 233 TMRCOCCA (1FC) MNT 234 TMRCOCCB (1FC) MNT 234 TMRCOCCB (1F4) MNT 234 TMRCOCCB (1F6) MNT 234 TMRCOCCB (1F6) MNT 234 TMRCOCCB (1F6) MNT 234 TMRCOCWT (4F0) MNT 235 TMRCPUT (378) MNT 235
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTIMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_YSID (14) SPI 319 TLUSROBE (BIT) SPI 319 TLUSROBE (BIT) SPI 319 TLUSROBE (BIT) SPI 319 TLUSROBE (BIT) SPI 319 TMABORD (20) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCLHD 434 TMCLHD 434 TMCUNT (14) TMS 434 TMCUNT (14) TMS 434 TMCUNT (14) TMS 434 TMELE ASI TMELE ASI TMELE ASI TMELE ASI TMELE ASI TMELC ASI	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBALKC (2E4) MNT 234 TMRBAPDC (308) MNT 234 TMRBAPDC (310) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARAC (310) MNT 234 TMRBATAC (310) MNT 234 TMRBATCC (310) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (320) MNT 234 TMRBATC (3E0) MNT 234 TMRBATC (3E0) MNT 234 TMRBATC (2F0) MNT 234 TMRBMC (2F0) MNT 234 TMRBPAC (2F0) MNT 234 TMRBTRID (9C) MNT 234 TMRBTRID (9C) MNT 234 TMRCDTWT (4B0) MNT 234 TMRCDTWT (4B0) MNT 235 TMRCHWMA (1E0) MNT 234 TMRCHWMA (1E0) MNT 234 TMRCHWMB (1DC) MNT 234 TMRCHWMB (1DC) MNT 234 TMRCHWMB (1DC) MNT 234 TMRCOCCA (1FC) MNT 234 TMRCOCCB (1F4) MNT 234 TMRCOCCB (1F4) MNT 234 TMRCOCCB (1F4) MNT 235 TMRCONWT (4F0) MNT 235 TMRCDUT (378) MNT 235 TMRCDUT (378) MNT 235 TMRCDUT (378) MNT 235 TMRCDUT (378) MNT 235
TLARGOPT (28) SPI 319 TLCUBITS (18) SPI 319 TLIGNOIW (BIT) SPI 319 TLKEYNUM (1A) SPI 319 TLLEN1 (4) SPI 319 TLLEN1 (4) SPI 319 TLLEN2 (C) SPI 319 TLMSGOFF (BIT) SPI 319 TLPCURDD (BIT) SPI 319 TLPTR1 (0) SPI 319 TLPTR2 (8) SPI 319 TLPTR3 (10) SPI 319 TLPTR3 (10) SPI 319 TLRDCICS (BIT) SPI 319 TLRDCICS (BIT) SPI 319 TLRDTMIG (BIT) SPI 319 TLS_CONN_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 320 TLS_POOL_NAME (11C) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUPGUSG (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TLUSRDEF (BIT) SPI 319 TMABORD (20) TMS 434 TMATTV (8) TMS 434 TMATTV (8) TMS 434 TMCUHD 434 TMCLHD 434 TMCLLAST (318) TMS 434 TMCOUNT (14) TMS 434 TMCUHD 431 TMELKEND (BIT) TMELD 431 TMELKSTR (BIT) TMELD 431 TMELKSTR (BIT) TMELD 431 TMELKSTR (BIT) TMELD 431 TMELKSTR (BIT) TMELD 431 TMELCCK1 (80) TMELD 431 TMELCCK2 (78) TMELD 431	TMRBADAC (2EC) MNT 234 TMRBADIC (318) MNT 234 TMRBADIC (2E8) MNT 234 TMRBADPC (2E8) MNT 234 TMRBADPC (308) MNT 234 TMRBARC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (2E0) MNT 234 TMRBARAC (314) MNT 234 TMRBARSC (2DC) MNT 234 TMRBATAC (310) MNT 234 TMRBATC (310) MNT 234 TMRBATEC (320) MNT 234 TMRBATEC (304) MNT 234 TMRBATPC (304) MNT 234 TMRBATPC (307) MNT 234 TMRBMIC (280) MNT 234 TMRBMIC (280) MNT 234 TMRBMIC (280) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (27C) MNT 234 TMRBMC (288) MNT 234 TMRBMC (2F8) MNT 234 TMRBTPAC (2F8) MNT 234 TMRBTPAC (2F9) MNT 234 TMRBTPAC (2F0) MNT 234 TMRBTRID (9C) MNT 234 TMRBTRID (9C) MNT 234 TMRBTRID (9C) MNT 234 TMRCHWMA (1E0) MNT 235 TMRCHWMB (1DC) MNT 234 TMRCHWMB (1DC) MNT 234 TMRCIPAD (154) MNT 234 TMRCIPAD (154) MNT 234 TMRCIPAD (154) MNT 234 TMRCIPAD (154) MNT 233 TMRCOCCA (1FC) MNT 234 TMRCOCCB (1FC) MNT 234 TMRCOCCB (1F4) MNT 234 TMRCOCCB (1F6) MNT 234 TMRCOCCB (1F6) MNT 234 TMRCOCCB (1F6) MNT 234 TMRCOCWT (4F0) MNT 235 TMRCPUT (378) MNT 235

TMRDETT (24) MNT 232	TMRQBRTK (10) TMRQ 432
TMRDHCRC (340) MNT 235	TMRQCRI 1 TMRQ 433
TMRDHINC (344) MNT 235	TMRQDCT 1 TMRQ 432
TMRDHRTC (34C) MNT 235	TMRQDEL 1 TMRQ 433
TMRDHSTC (348) MNT 235	TMRQDSN 1 TMRQ 432
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TMRDHTDL (354) MNT 235	TMRQDWE 1 TMRQ 433
TMRDIST (370) MNT 235	TMRQFCT 1 TMRQ 432
TMRDVTCD (97) MNT 233	TMRQGNA 1 TMRQ 433
TMRDWT (388) MNT 235	TMRQGSK 1 TMRQ 433
TMREHASH (BIT) TMS 434	TMRQGTN 1 TMRQ 433
TMRERROR (180) MNT 233	TMRQHASH (4) TMRQ 432
TMREXWT (3D8) MNT 235	TMRQKEYL (8) TMRQ 432
TMRFCAC (24C) MNT 234	TMRQKEYP (4) TMRQ 432
TMRFCAMC (258) MNT 234	TMRQLIST (0) TMRQ 432
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TMRFCBC (248) MNT 234	TMRQLOC 1 TMRQ 433
TMRFCDC (250) MNT 234	TMRQLOK 1 TMRQ 433
TMRFCGC (240) MNT 234	TMRQMLLN (A) TMRQ 432
TMRFCPC (244) MNT 234	TMRQNDX 1 TMRQ 433
TMRFCTC (254) MNT 234	TMRQNOLK (BIT) TMRQ 432
TMRFCTY (88) MNT 232	TMRQPCT 1 TMRQ 432
TMRFCWT (3É8) MNT 235	TMRQPCTR 1 TMRQ 432
TMRFDDLY (418) MNT 235	TMRQPFT 1 TMRQ 432
TMRFDMXT (428) MNT 235	TMRQPPT 1 TMRQ 432
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TMRFDTCL (420) MNT 235	TMRQPRT 1 TMRQ 432
TMRGQDLY (438) MNT 235	TMRQQUI 1 TMRQ 433
TMRGVPWT (4A0) MNT 235	TMRQRBTE (BIT) TMRQ 432
TMRHTIME (3A0) TMS 434	TMRQRC (3) TMRQ 432
TMRICC (2A8) MNT 234	TMRQRCPU (398) MNT 235
TMRICDLY (498) MNT 235	TMRQRDLY (3C8) MNT 235
TMRICTC (2AC) MNT 234	TMRQRDSP (390) MNT 235
TMRIMSRC (360) MNT 235	TMRQRLDA (8) TMRQ 432
TMRIMSWT (4E0) MNT 235	. ,
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TMRIRWT (400) MNT 235	TMRQRMCM (BIT) TMRQ 432
TMRJ8CPU (3B8) MNT 235	TMRQRMCN (BIT) TMRQ 432
TMRJCWT (3F0) MNT 235	TMRQRMLL (BIT) TMRQ 432
TMRJNLCT (2A0) MNT 234	TMRQRMNC (BIT) TMRQ 432
TMRJVMS (508) MNT 235	TMRQRMNF (BIT) TMRQ 432
TMRJVMT (500) MNT 235	TMRQRMNU (BIT) TMRQ 432
TMRL8CPU (3B0) MNT 235	TMRQRMUL (BIT) TMRQ 432
TMRLGWCT (2A4) MNT 234	TMRQRNXB (BIT) TMRQ 432
TMRLMDLY (480) MNT 235	TMRQRST 1 TMRQ 433
TMRLUNM (3C) MNT 232	TMRQSNT 1 TMRQ 432
TMRMSCPU (3A8) MNT 235	TMRQTCNR 1 TMRQ 433
TMRMSDSP (3A0) MNT 235	TMRQTCNT 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233	
TMRMSDSP (3A0) MNT 235	TMRQTCNT 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR_NOTAPPLIC (BIT) MNT 233	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR_NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR_NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSM 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR_NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETSX (60) MNT 232	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSM 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCTE 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR_NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETSX (60) MNT 232 TMRNGPOS (24) TMS 434	TMRQTCNT 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSM 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCST 1 TMRQ 432 TMRQTCTT 1 TMRQ 432 TMRQTCTT 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR, NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETSX (60) MNT 232 TMRNGPOS (24) TMS 434 TMRNQDLY (430) MNT 235	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCTE 1 TMRQ 432 TMRQTCTT 1 TMRQ 432 TMRQTCTT 1 TMRQ 432 TMRQTCTT 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR, NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETSX (60) MNT 232 TMRNGPOS (24) TMS 434 TMRNGDLY (430) MNT 235 TMROTDLY (3D0) MNT 235	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCTE 1 TMRQ 432 TMRQTCTN 1 TMRQ 432 TMRQTCTR 1 TMRQ 432 TMRQTCTS 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR_NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETSX (60) MNT 232 TMRNGPOS (24) TMS 434 TMRNQDLY (430) MNT 235 TMRODLY (3D0) MNT 235 TMROTOLY (3D0) MNT 235 TMRPC31A (220) MNT 234	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSM 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCTE 1 TMRQ 432 TMRQTCTT 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR, NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETSX (60) MNT 232 TMRNGPOS (24) TMS 434 TMRNQDLY (430) MNT 235 TMROTDLY (3D0) MNT 235 TMRPC31A (220) MNT 234 TMRPCCAH (228) MNT 234	TMRQTCNT 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCST 1 TMRQ 432 TMRQTCTT 1 TMRQ 432 TMRQTCTN 1 TMRQ 432 TMRQTCTT 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTL (10) TMRQ 432 TMRQTPNT 1 TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR, NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETSX (60) MNT 232 TMRNGPOS (24) TMS 434 TMRNQDLY (430) MNT 235 TMROTDLY (3D0) MNT 235 TMROTDLY (3D0) MNT 235 TMRPC31A (220) MNT 234 TMRPCC8H (228) MNT 234 TMRPCCBH (22C) MNT 234	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCTE 1 TMRQ 432 TMRQTCTE 1 TMRQ 432 TMRQTCTR 1 TMRQ 432 TMRQTCTR 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTEL (10) TMRQ 432 TMRQTEL (10) TMRQ 432 TMRQTPNT 1 TMRQ 432 TMRQTR (0) TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETPX (60) MNT 232 TMRNGPOS (24) TMS 434 TMRNGPOS (24) TMS 434 TMRNGDLY (430) MNT 235 TMROTDLY (3D0) MNT 235 TMROTDLY (3D0) MNT 235 TMRPC314 (220) MNT 234 TMRPCCAH (228) MNT 234 TMRPCCBH (22C) MNT 234 TMRPCDPL (29C) MNT 234 TMRPCDPL (29C) MNT 234	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTN 1 TMRQ 432 TMRQTCTN 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTPNT 1 TMRQ 432 TMRQTPNT 1 TMRQ 432 TMRQTTR (0) TMRQ 432 TMRQTTR (0) TMRQ 432 TMRQTTC (2) TMRQ 432
TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR, NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNETSX (60) MNT 232 TMRNGPOS (24) TMS 434 TMRNQDLY (430) MNT 235 TMROTDLY (3D0) MNT 235 TMROTDLY (3D0) MNT 235 TMRPC31A (220) MNT 234 TMRPCC8H (228) MNT 234 TMRPCCBH (22C) MNT 234	TMRQTCNT 1 TMRQ 432 TMRQTCSE 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCTE 1 TMRQ 432 TMRQTCTE 1 TMRQ 432 TMRQTCTR 1 TMRQ 432 TMRQTCTR 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTEL (10) TMRQ 432 TMRQTEL (10) TMRQ 432 TMRQTPNT 1 TMRQ 432 TMRQTR (0) TMRQ 432
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TMRMSDSP (3A0) MNT 235 TMRNATUR (94) MNT 233 TMRNATUR_NOTAPPLIC (BIT) MNT 233 TMRNATUR_SESSION (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNATUR_TERMINAL (BIT) MNT 233 TMRNETPX (4C) MNT 232 TMRNGPOS (24) TMS 434 TMRNGDLY (430) MNT 235 TMROTDLY (3D0) MNT 235 TMRPCCH (220) MNT 234 TMRPCCH (220) MNT 234 TMRPCCH (220) MNT 234 TMRPCCH (220) MNT 234 TMRPCCH (290) MNT 234 TMRPCLIC (28C) MNT 234 TMRPCLIC (28C) MNT 234 TMRPCLIC (28C) MNT 234 TMRPCLIC (294) MNT 235 TMRPCRH (230) MNT 234 TMRPCRH (230) MNT 234 TMRPCRH (230) MNT 234 TMRPCRH (230) MNT 234 TMRPCSBH (230) MNT 234 TMRPCSBH (230) MNT 234 TMRPCUSE (224) MNT 234 TMRPCUSE (224) MNT 234 TMRPCUSE (224) MNT 234 TMRPCUSE (226) MNT 234 TMRPCUSE (210) MNT 234 TMRPCUSE (220) MNT 234 TMRPCUSE (210) MNT 234 TMRPCUSE (210) MNT 233 TMRPOUMC (190) MNT 233 TMRPNAME (80) MNT 233 TMRPNAME (80) MNT 233 TMRPROUMC (198) MNT 233 TMRPROUMC (199) MNT 233 TMRPROUMC (190) MNT	TMRQTCNT 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSI 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSN 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCSR 1 TMRQ 432 TMRQTCTR 1 TMRQ 432 TMRQTCTN 1 TMRQ 432 TMRQTCTN 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCTS 1 TMRQ 432 TMRQTCT (10) TMRQ 432 TMRQTCT (10) TMRQ 432 TMRQTPNT 1 TMRQ 432 TMRQTTC (2) TMRQ 432 TMRQTTC (2) TMRQ 432 TMRQTTC (3) TMRQ 432 TMRQTTC (4) TMRQ 433 TMRQULK 1 TMRQ 433 TMRQULK 1 TMRQ 433 TMRRDQWT (4E8) MNT 235 TMRRLSWT (470) MNT 235 TMRRMIS (460) MNT 235 TMRRMIS (460) MNT 235 TMRRMIS (460) MNT 235 TMRRMIS (460) MNT 232 TMRRTYPE (10) MNT 232 TMRRTYPE (10) MNT 235 TMRRTYPE (10) MNT 235 TMRTYPE FREQUENCY (BIT) MNT 233 TMRTYPE DELIVER (BIT) MNT 233 TMRTYPE_TERMINATE (BIT) MNT 233 TMRTYPE_TERMINATE (BIT) MNT 233 TMRTYPE_TERMINATE (BIT) MNT 233 TMRSSC24G (208) MNT 234 TMRSC245 (200) MNT 234 TMRSC246 (208) MNT 234

TMRSC31S (210) MNT 234 TMRSCCGA (1D0) MNT 233 TMRSCUGA (1C0) MNT 233 TMRSCUGB (1CC) MNT 233 TMRSCUGB (1C4) MNT 233 TMRSCUGB (1C4) MNT 233 TMRSESST (95) MNT 233 TMRSESST (95) MNT 233 TMRSESST_IRC_XCF (BIT) MNT 233 TMRSESST_IRC_XCF (BIT) MNT 233 TMRSESST_IRC_XCF (BIT) MNT 233 TMRSESST_LUG_PARA (BIT) MNT 233 TMRSISMC (1A0) MNT 235 TMRSOBDE (35C) MNT 235 TMRSOBDE (35C) MNT 235 TMRSOBDE (35C) MNT 235 TMRSOUMC (1A8) MNT 235 TMRSOUMC (1A8) MNT 233 TMRSOWT (4D8) MNT 234 TMRSVCL (78) MNT 235 TMRSPC (2B0) MNT 235 TMRSYNCT (468) MNT 235 TMRSYNCT (468) MNT 235 TMRSYNCT (468) MNT 235 TMRSYNCT (468) MNT 234 TMRSZACT (2D0) MNT 234 TMRSZACT (2C0) MNT 234 TMRSZCT (2C0) MNT 235 TMRTAC (1C0) MNT 235 TMRTAC (1C0) MNT 235 TMRTAC (1C0) MNT 235	TMRTRFL8_UOW_SHUNT (BIT) MNT 233 TMRTRFL8_WAIT_NO (BIT) MNT 233 TMRTRFL8_WAIT_NO (BIT) MNT 233 TMRTRFL8_WAIT_NO (BIT) MNT 233 TMRTRFL0 (8C) MNT 232 TMRTRSD (2B) MNT 232 TMRTRSN (2C) MNT 232 TMRTRSY (18) MNT 232 TMRTSY (26C) MNT 234 TMRTSHWT (4A8) MNT 235 TMRTSPMC (270) MNT 234 TMRTSPMC (274) MNT 234 TMRTSPMC (278) MNT 234 TMRTSPMC (278) MNT 234 TMRTSPMC (278) MNT 234 TMRTSPMC (278) MNT 235 TMRTYPE (18C) MNT 233 TMRURC (10) TMRQ 432 TMRURID (AO) MNT 233 TMRUSHWA (1D8) MNT 233 TMRUSHWA (1D8) MNT 233 TMRUSHWA (1D8) MNT 234 TMRUSHWB (104) MNT 233 TMRUSHWA (150) MNT 234 TMRUTSOB (1E4) MNT 234 TMRUTSOB (1E4) MNT 234 TMRWBCIN (328) MNT 234 TMRWBCOT (330) MNT 234 TMRWBRPW (336) MNT 234 TMRWBCOT (320) MNT 235 TMRWBCT (320) MNT 235 TMRWTXWT (488) MNT 235 TMSTATLN (464) TMS 434 TMTRIGR (18) TMS 433 TMSTATLN (464) TMS 434 TMTRIGR (18) TMS 434 TMUSIC (74) CDE 2326
TMRTCBAC (36C) MNT 235 TMRTCl1C (194) MNT 233	TMUSE (74) SPI 320 TOP_NIBLIST (14) ZGRP 594
TMRTCI2C (1A4) MNT 233 TMRTCLSN (34) MNT 232	TOTAL_MAPPINGS 2 APSTG 10 TPE 436
TMRTCO1C (19C) MNT 233 TMRTCO2C (1AC) MNT 233	TPECPSET (3) TPE 436 TPECPST6 (3) TPE 436
TMRTCWT (3E0) MNT 235	TPEFLG1 (2) TPE 436
TMRTDGC (25C) MNT 234 TMRTDPC (260) MNT 234	TPEFLG2 (13) TPE 436 TPELL (0) TPE 436
TMRTDRC (264) MNT 234	TPELPER (BIT) TPE 436
TMRTDTC (268) MNT 234 TMRTDWT (408) MNT 235	TPELPSET (B) TPE 436 TPEPSETS (3) TPE 436
TMRTECNM (98) MNT 233	TPESTART (0) TPE 436
TMRTEID (C) MNT 232 TMRTEINF (94) MNT 233	TPETPSET 436 TPEVCHAR (BIT) TPE 436
TMRTFFL2_RUN_TRAN (BIT) MNT 232	TPID_DUDM_ENTER 2 DUA 93
TMRTGPID (164) MNT 233 TMRTPRI (30) MNT 232	TPID_DUDM_EXIT 2 DUA 93 TPID_DUDM_GMAIN_DUA 2 DUA 93
TMRTRFL1 (8C) MNT 232	TPID_DUDM_GMAIN_DUA_RET 2 DUA 93
TMRTRFL1_BRDG (BIT) MNT 232 TMRTRFL1_DEST (BIT) MNT 232	TPID_DUDM_GMAIN_SDT 2 DUA 93 TPID DUDM GMAIN SDT RET 2 DUA 93
TMRTRFL1_NONE (BIT) MNT 232	TPID_DUDM_GMAIN_STATS_BUF 2 DUA 93
TMRTRFL1_SURR (BIT) MNT 232 TMRTRFL1 TERM (BIT) MNT 232	TPID_DUDM_GMAIN_STATS_BUF_RET 2 DUA 93 TPID DUDM GMAIN TDT 2 DUA 93
TMRTRFL2 (8D) MNT 232	TPID_DUDM_GMAIN_TDT_RET 2 DUA 93
TMRTRFL2_BRIDGE (BIT) MNT 232 TMRTRFL2 DPL (BIT) MNT 232	TPID_DUDM_INVALID 2 DUA 93 TPID_DUDM_LOADFAIL 2 DUA 93
TMRTRFL2_MIRROR (BIT) MNT 232	TPID_DUDM_RECOV 2 DUA 93
TMRTRFL2_ONC_RPC (BIT) MNT 232	TPID_DUDT_ENTER 2 DUA 93
TMRTRFL2_SYSTEM (BIT) MNT 232 TMRTRFL2 WEB (BIT) MNT 232	TPID_DUDT_EXIT 2 DUA 93 TPID_DUDT_INVAL_DT_FUNCTION 2 DUA 93
TMRTRFL3 (8E) MNT 232	TPID_DUDT_INVAL_FORMAT 2 DUA 93
TMRTRFL3_NTFY (BIT) MNT 233 TMRTRFL3_NTFY_COMP (BIT) MNT 233	TPID_DUDT_INVAL_ST_FUNCTION 2 DUA 93 TPID_DUDT_RECOV 2 DUA 93
TMRTRFL3_RPT (BIT) MNT 233	TPID_DUDU_DUMP_TABLE_NOT_INIT 2 DUA 93
TMRTRFL4 (8F) MNT 233 TMRTRFL4_CICS_KEY (BIT) MNT 233	TPID_DUDU_ENTER 2 DUA 93 TPID_DUDU_EXIT_2_DUA 93
TMRTRFL4_DYNAMIC (BIT) MNT 233	TPID_DUDU_INVALID 2 DUA 93
TMRTRFL4_ISOLATE_NO (BIT) MNT 233 TMRTRFL4_LOC_BELOW (BIT) MNT 233	TPID_DUDU_RECOV 2 DUA 93 TPID_DUFT_ENTER 2 DUA 95
TMRTRFL5 (90) MNT 233	TPID_DUFT_EXIT 2 DUA 95
TMRTRFL6 (91) MNT 233 TMRTRFL7 (92) MNT 233	TPID_DUFT_FT_NOSTOR 2 DUA 95 TPID_DUFT_GMAIN_FT 2 DUA 95
TMRTRFL8 (93) MNT 233	TPID_DUFT_GMAIN_FT_RET 2 DUA 95
TMRTRFL8_COMMIT (BIT) MNT 233 TMRTRFL8 INDBT FAIL (BIT) MNT 233	TPID_DUFT_RECOV 2 DUA 95 TPID_DUSR_DFHDUMPX_ADD_FAILED 2 DUA 93
TMRTRFL8_INDOUBT_ACT (BIT) MINT 233	TPID_DUSR_ENTER 2 DUA 93
TMRTRFL8_RO_FAILURE (BIT) MNT 233	TPID_DUSR_EXIT 2 DUA 93

TPID DUSR RECOV 2 DUA 93 TPID DUTM BTT NOSTOR 2 DUA 94 TPID DUTM ENTER 2 DUA 93 TPID_DUTM_EXIT 2 DUA 93 TPID_DUTM_GMAIN_BTT 2 DUA 94 TPID_DUTM_GMAIN_BTT_RET 2 DUA 94 TPID_DUTM_GMAIN_SDT 2 DUA 94 TPID_DUTM_GMAIN_SDT_RET 2 DUA 94 TPID DUTM GMAIN TDT 2 DUA 94 TPID_DUTM_GMAIN_TDT_RET 2 DUA 94 TPID_DUTM_INVAL_ENDBR_BT 2 DUA 93 TPID_DUTM_INVAL_FORMAT 2 DUA 93 TPID_DUTM_INVAL_GETN_BT 2 DUA 93 TPID_DUTM_INVAL_ST_FUNCTION 2 DUA 93
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WSASSTOK (38) WSA 527
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WSASXCFA (BIT) WSA 527
WSC 529 WSCKD (0) WSC 529
WSCKDL (BIT) WSC 529
WSJASID (3C) WSM 531 WSJATIME (20) WSM 531
WSJCANNM (34) WSM 531
WSJEYECA (48) WSM 531
WSJL (BIT) WSM 531
WSJLVER1 (BIT) WSM 531 WSJMVSID (28) WSM 531 WSJMVSIJ (24) WSM 531
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WSJOBNAM (8) WSM 530
WSJOBNID (8) WSM 530 WSJOBSTI (8) WSM 531
WSJRSJOB (BIT) WSM 531 WSJRSSTC (BIT) WSM 531
WSJRST (48) WSM 531
WSJRSTYP (4B) WSM 531 WSJS1FND (BIT) WSM 530
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WSJS4END 531
WSJSAPPL (0) WSM 530 WSJSDATE (1C) WSM 531
WSJSDET (58) WSM 531
WSJSIND (3E) WSM 531 WSJSNAM (58) WSM 531
WSJSNTOD (40) WSM 531 WSJSPLX (50) WSM 531
WSJSSNAM (24) WSM 531
WSJSTAT (3F) WSM 531 WSJSTIME (18) WSM 531
WSJSTOK (60) WSM 531
WSJXCFA (BIT) WSM 531 WSJXCFD (50) WSM 531
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WSSFSON (BIT) WSS 535
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WSSFUNCM (4) WSS 534
WSSHBINT (20) WSS 534
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WSSINST 535
WSSJSID (28) WSS 534 WSSJTMTL (8) WSS 535
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WSSMSONA (BIT) WSS 535
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WSSNFPRM (14) WSS 534 WSSREASC (7) WSS 534
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