IBM

Technical Report

Advanced Communications Function for VTAM Entry

Problem Determination Helper

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INTRODUCTION

This document is intended to supplement the other IBM-supplied problem determination publications, most of which are listed in the Bibliography, for Advanced Communication Function/Virtual Telecommunications Access Method Entry (ACF/VTAME) and Disk Operating System/Virtual Storage Extended (DOS/VSE) in both single- and cross-domain environments. The document was based on prerelease versions of the above programs and has not been submitted to any formal IBM test. Potential users should evaluate its usefulness in their own environment prior to its use.

PROLOGUE

The basic content of this document is designed to give the user examples of how normal flow traces in an Advanced Communication Function/VTAM Entry (ACF/VTAME) environment should look.

This book is not intended to replace any other documents that contain information regarding debugging, but rather to aid in diagnosis in an ACF/VTAME environment.

Some parts of this document make reference to certain functions and parameters not valid to ACF/VTAME. These references are included only as additional information to show how the definitions would look for a cross domain environment, and to emphasize certain sequences which occur between two hosts in that environment.

BIBLIOGRAPHY

The following is a list of publications which are of value during problem determination. It is not an exhaustive list.

ACF/VTAME

ACF/VTAME GENERAL INFORMATION: CONCEPTS.....GC27-0451
ACF/VTAME PROGRAMMING.....SC24-0442
ACF/VTAME DIAGNOSTIC TECHNIQUES.....SY38-3012
ACF/VTAME OPERATION.....SC27-0443
ACF/VTAME INSTALLATION.....SC27-0439
ACF/VTAME DATA AREAS.....LY38-3016
ACF/VTAME LOGIC OVERVIEW.....LY38-3013
ACF/VTAME LOGIC.....LY38-3014
ACF/VTAME REFERENCE SUMMARY.....SX27-3032

DOS/VSE

DOS/VSE SYSTEM UTILITIES.....GC33-5381
DOS/VSE SYSTEM GENERATION.....GC33-5377
DOS/VSE OLTEP.....GC33-5383
DOS/VSE OPERATING PROCEDURES.....GC33-5378
DOS/VSE MESSAGES.....GC33-5379
DOS/VSE SERVICEABILITY AIDS AND DEBUGGING PROCEDURES GC33-5380
DOS/VSE SYSTEM CONTROL STATEMENTS.....GC33-5376
DOS/VSE LIOCS, Volume 1.....SY33-8559
DOS/VSE LIOCS, Volume 2.....SY33-8560
OS/VS, DOS/VSE, VM/370 ENVIRONMENTAL RECORDING EDITING AND PRINTING (EREP) PROCEDURES.....GC28-0772

IBM 4331 SUPPORT PROCESSOR

IBM 4300 PROCESSORS PRINCIPLES OF OPERATION FOR ECPS:VSE MODE GA22-7070
IBM 4331 PROCESSOR OPERATING PROCEDURES AND PROBLEM DETERMINATION GUIDE.....GA33-1525

SNA

SNA SYSTEM PROBLEM DETERMINATION GUIDE.....G320-6016
SNA NETWORK ARCHITECTURE REFERENCE SUMMARY.....GA27-3136

TRACING INFORMATION

ACF/VTAME TRACES

A number of traces are available with ACF/VTAME. In addition to I/O, Buffer, and Buffer Usage traces, there is the ACF/VTAME internal trace (VIT), and the SDAID I/O activity trace. A line trace is also available through the 4331 Communication Adapter microcode.

BUFFER, IO, AND SMS TRACES

The commands to activate the traces are:

```
F NET,TRACE,ID=nodename,TYPE=BUF     BUFFER TRACE
F NET,TRACE,ID=nodename,TYPE=IO      I/O TRACE
F NET,TRACE,ID=VTAMBUF,TYPE=SMS    BUFFER USAGE TRACE **Note1
```

**Note 1 - The DOS/VSE serviceability aid, SDAID must be active prior to starting this trace. The way to do this is shown in Appendix D.

To stop ACF/VTAME traces, type the following command:

```
F NET,NOTRACE,ID=nodename,TYPE=BUF (or IO)
F NET,NOTRACE,ID=VTAMBUF,TYPE=SMS
```

```
To stop SDAID TRACING:  STOPSD
       To stop SDAID:   ENDSD
```

Appendix D shows an example of JCL that can be used to print the SDAID tape.

ACF/VTAME INTERNAL TRACE

The next trace to be discussed is the ACF/VTAME internal trace (VIT). This trace can record internally (in core) or on an external data set. With VIT, it is possible to trace API, PSS, LOCK, MSG, PIU, SMS, CIO, and SSCP.

To activate this type of trace, enter the following command:

```
F NET,TRACE,TYPE=VTAM,MODE=**Note2,OPT=**Ncte3,SIZE=NNN
```

**Note 2 - MODE may be either INT (in core) or EXT

**Note 3 - OPT=(API|PSS|SMS|LOCK|MSG|PIU|CIO|SSCP) or OPT=ALL.

If OPT=ALL is specified, all the possible events are traced. With MODE=INT (for in-core trace), SIZE=NNN can also be specified, where NNN is the number of 2K pages of storage to be allocated for the VIT table (0 < NNN < 1000). The value specified for SIZE should be large enough to prevent destruction of information due to wrapping. The number of pages specified should reflect the amount of storage available. If there is not enough storage available for the number of pages specified, one of the following messages is issued:

```
5D17I VTAM INTERNAL TRACE ACTIVATION FAILED-
                                        INSUFFICIENT STORAGE

5D18I VTAM INTERNAL TRACE ACTIVATION FAILED-
                                        UNABLE TO FIX STORAGE
```

If MODE=EXT is specified, trace information is recorded on an external data set. See ACF/VTAME OPERATION for allocating an external TRFILE. When MODE=EXT is specified, the SIZE= operand specifies the number of 2K pages of storage to be allocated for TRFILE I/O buffers, and can be from 1 to 32.

To stop the VIT trace:

```
F NET,NOTRACE,TYPE=VTAM,OPT=ALL
                          END
```

If OPT=ALL is specified all internal traces are stopped, but the internal trace table is not freed. If OPT=END is specified, all internal traces are stopped and the internal trace table is freed. If MODE=EXT was specified when the trace was started, the trace records may be printed from the trace file using the TPRINT utility. Appendix D contains an example of Job Control Language (JCL) to print the trace records. Note that if the VIT resides in main storage you must take a dump if you want to analyze it. Figure 1 illustrates how to locate the current trace entry.

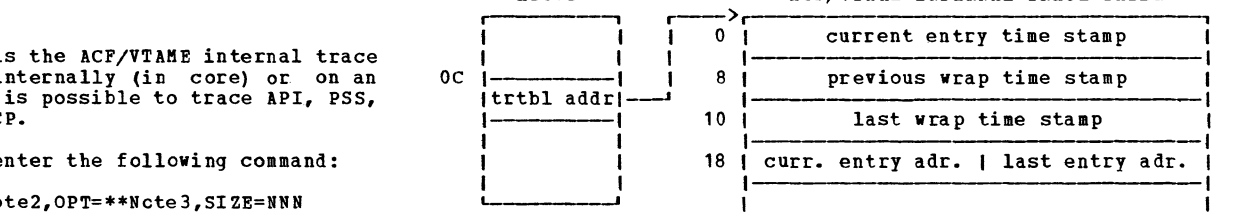

Figure 1. Locating the VIT Table and the current trace entry.

INTERNAL TRACE IDS

Following is a list of ACF/VTAME internal trace ID's and their meaning. For more detailed information, see the ACF/VTAME Diagnostic Techniques manual. Also refer to ITTRC in ACF/VTAME DATA AREAS for the format of the VIT records. The heading ID indicates the prose seen in the dump of the record; the heading OPT is for the option specified on the VIT start command. The heading 'MEANING' is self explanatory.

ID	OPT	MEANING
CCI	SSCP	-Inbound process. to respcnd to requestor
CCO	SSCP	-Outbound process. to process a request
DISP	PSS	-DISPATCH
ERP	CIO	-Error recovery transient entered
ESC	PSS	-TPESC
EXIT	PSS	-TPEXIT
FBLK	SMS	-FREEBLK
FREE	SMS	-FREESTOR
GET	SMS	-GETSTOR
GBLK	SMS	-GETBLK
INT	CIO	-I/O interrupt
IO	API	-TPIO request
LKEX	LOCK	-TPLOCK exclusive
LKSH	LOCK	-TPLOCK shared
LT	----	-Lost trace record
MSG	MSG	-ACF/VTAME message
PIU	PIU	-PIU record
POST	PSS	-TPPOST
RE	API	-RPL exit
RELS	SMS	-RELSTOR
REQS	SMS	-REQSTOR
SCHD	PSS	-TPSCHED
SIO	CIO	-Start I/O
UE	API	-API user exit
ULKA	LOCK	-TPUNLOCK all
UNLK	LOCK	-TPUNLOCK
UP	API	-API user post
VTAL	SMS	-VTALLOC
VTFR	SMS	-VTFREE
WAIT	PSS	-TPWAIT

COMMUNICATION ADAPTER (CA) TRACE

The 4331 Processor Communication Adapter Trace facility is included as a part of the hardware diagnostic package. The CA Trace collects hardware and microcode information for up to eight CA lines while the lines are in operation. The traced information is stored in a 10K-byte wrap around area in main storage reserved for In Line Tests (ILTs). Starting, stopping, and display of trace data is done through the diagnostic function of the system console.

There are two types of trace formats available in the CA Trace: 1) Standard format, and 2) Extended format.

-The standard line trace records the following 4 bytes of data:

Command byte (S/S and BSC), Modifier and Command for SDLC.
Mode byte
Second Sense byte (CA Check Code)
Data Character Buffer

NOTE The standard line trace should not be used when multiple lines are to be traced, as no line addresses are presented in its trace data.

-The extended trace records the following 16 bytes of information:

Command byte (S/S and BSC), Modifier and Command for SDLC.
CCW Byte Count
First Sense byte (not for SDLC)
UCW 6
UCW 7
Status information (contains line address)

Details about the operation and format of the CA Trace can be found in the 4331 hardware maintenance information manual (supplied with hardware logic manuals) under the titles of 'CA TRACE' and 'CA TOOLS'.

DYNAMIC TRACE FACILITY

An additional tracing facility is available for dynamic tracing of events in the IBM 4331 communication adapter (CA). This trace facility:

- activates or deactivates the communication adapter standard line trace,
- records the trace entries on tape while the attached teleprocessing line is running,
- prints selected trace entries.

An example of the operation of this facility is given in Appendix D. Futher details about the operation of the facility and contents of the trace entries can be found in the DOS/VSE Serviceability Aids and Debugging Procedures manual.

SNAP

SNAP is a trace record type of debugging aid that is a useful tool in the case of overlays or bad registers. This type of trace is not activated by a command, but by using PDZAP to modify the module in which the problem appears. With this SNAP record it is possible to trace 32 bytes of storage. The ACF/VTAME internal trace (VIT) records the specified 32 bytes and enters the data as a SNAP record in the internal trace table. Of course, what is stored depends on the particular problem and must be decided case by case by the responsible diagnostic personnel. When utilizing the SNAP, the following conventions must be observed:

REG 1 Must point to the 32 byte area to be recorded
REG 14 Must point to a 2 byte field containing Hex 141C (2 bytes past REG 14 is the return address to the module that called the trace recording routine)
REG 15 Points to the trace recording routine (ISTRAETR) (The pointer to ISTRAETR can be found at Hex 288 dispacement into the ATCVT.)

WARNING Upon return from ISTRAETR, the contents of registers 6 and 7 are unpredictable. The contents of the other registers are unchanged.

Appendix D contains an example of activation of the SNAP trace. For more information regarding the use of PDZAP, refer to the DOS/VSE Serviceability Aids and Debugging Procedures manual. For the format of the trace record, refer to the ACF/VTAME Diagnostic Techniques manual.

TRACING COMPONENT FLOW BY MODULE WORK AREAS

Module work areas are monitored by ACF/VTAME during certain processes. The contents of the NCSPL or RUPE work area are work and save areas for the module invoked for the command the NCSPL or RUPE represents. These areas contain status information of the processing of the command and of any interruptions in the processing. For more information about the work areas, refer to the ACF/VTAME Diagnostic Techniques manual. Figure 2 shows an example of what the NCSPL or RUPE work area might contain for modules invoked for an ACF/VTAME process.

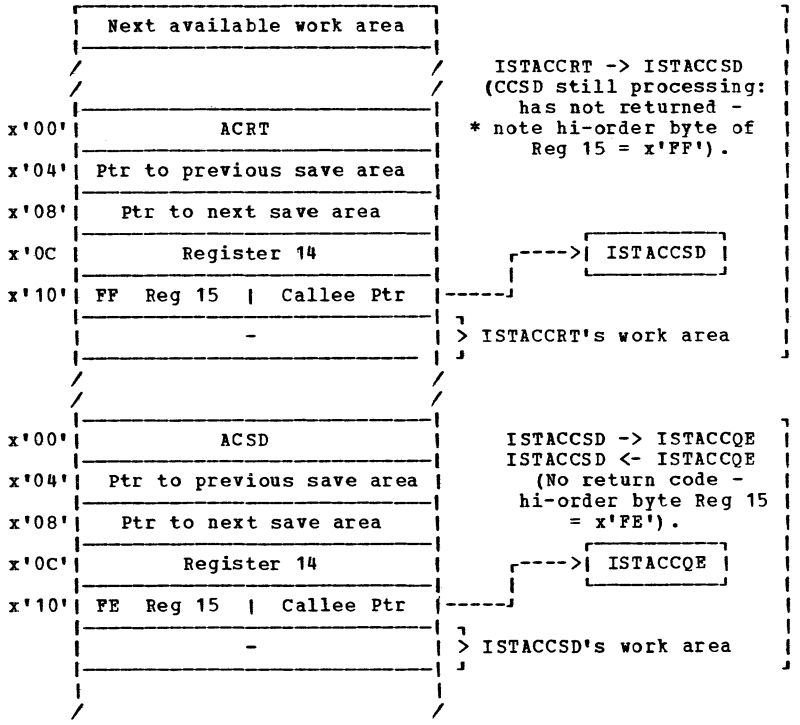

Figure 2. Example of NCSPL and RUPE work areas.

CONTROL BLOCKS

CONTROL BLOCK IDENTIFICATION (CBID) CODES

The first byte of the control block identifies the type of the control block. In the case of a duplicate ID, another means must be used to determine the type of the control block. Note that the following list is not complete.

ID	Control Block	ID	Control Block
00	RPL	48	PORCB
01	RPH	49	POWE
03	FMCB	50	DLRPL
06	ICNCB	52	LUCB
07	LDNCB	53	LIE
09	HALCB	54	RUPE
0A	BSCLB	5F	CPCB
0F	ACDEB	60	NCSPL
10	UECB	81	EXLST
11	DYPAB	98	SIB
13	TRAC	99	TSCB
18	TIE	9A	TSPL
24	OCW	A0	ACB
45	POIA	C0	LOGMD
46	POCB	D0	NIB
47	POMCB	FF	PCB

BUFFER POOL RELATIONSHIP

ACF/VTAME storage management services (SMS) provide the storage areas for the other ACF/VTAME components. SMS builds pools for pageable buffers, nonpageable buffers, and variable-length storage areas. SMS is also responsible for the allocation and release of these buffers and storage areas.

The point of control for buffers in ACF/VTAME is the buffer pool directory (BPDIR). The BPDIR is a table of pointers to the buffer pool control blocks (PCB). Each buffer pool has a PCB, which contains control information, and anchors the chains of buffers for the pool.

There are three parts to a buffer. They are 1) buffer prefix (BFPFX), 2) buffer header (BFHDR), and 3) the buffer data area. For fixed length free buffers, and for all variable length buffers, all three of these fields are present. For fixed length buffers in use, the data area starts immediately after the 8-byte buffer prefix.

The buffer prefix has two main fields. The flags at +0 tell whether or not the buffer has been allocated. The pointer at +5 is used as a means of releasing the buffer back to the PCB or pool extension block (PXB). Table 1 shows a breakdown of the fields of the buffer prefix.

The field at +0 in the buffer header contains a pointer to the next buffer on the chain. For fixed length buffer pools, this field points to the buffer header of the next buffer in the chain. For variable length buffers, this field points to the buffer prefix of the next buffer in the chain.

At the end of the variable length pool PCBs is a page table, with page table entries (PTEs) that contain status information about each page in the pool.

Figure 3 gives an example of the relationship between the pool control blocks and the buffers. For more information regarding buffers, refer to the ACF/VTAME Diagnostic Techniques and the ACF/VTAME Data Areas manuals.

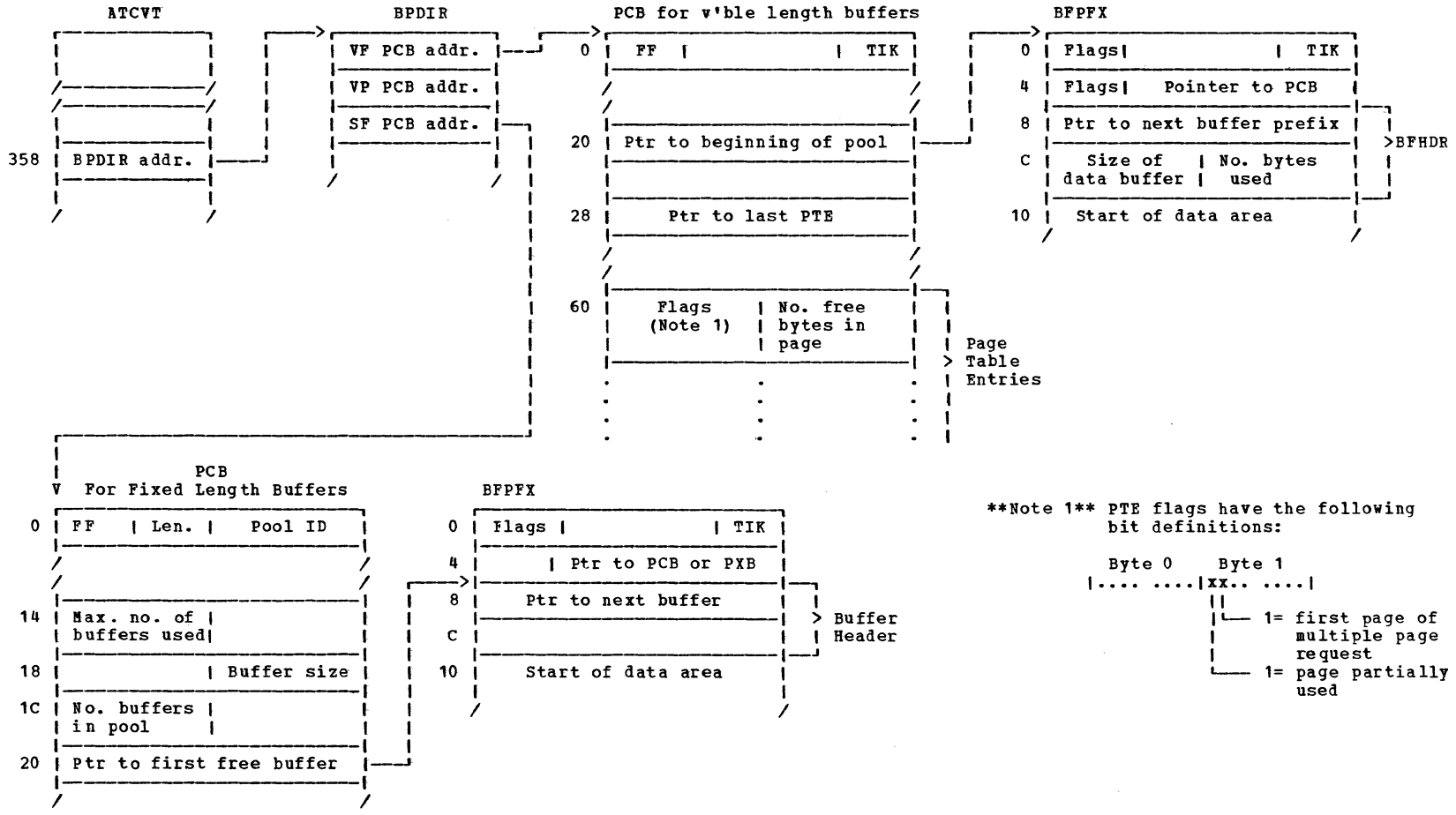

Figure 3. Relationship between pool control blocks and buffers.

Buffer Prefix	Bits	Meaning
Offset 0	x...	Allocation indicator; if on control block is allocated.
	.xxx xxxx	CBID Index Number
Offset 1-2	....	Reserved
Offset 3	....	Task ID (TIK)
Offset 4	x...	CBID indicator. If on, first byte of data area is CBID.
	.x..	Dynamic buffer indicator. If on, the buffer was acquired by buffer expansion and bytes 5-7 contain a PXB pointer. If off, the buffer is from the static area and bytes 5-7 contain a PCB pointer.
Offset 5-7	....	PCB pointer or PXB pointer

Table 1. Buffer prefix

REQUEST PARAMETER LIST (RPL)

The RPL contains several fields set by ACF/VTAME upon completion of RPL-based macros. These fields can be useful for debugging purposes. A listing of some of these fields follows. For more details refer to the ACF/VTAME Programming manual.

REQ OFFSET X'1D'
Contains a value returned by all RPL-based macros except EXECRPL and CHECK, indicating which type of macros last used the RPL. Values and corresponding requests are:

14	CHECK	1F	CLSDST	27	SENDCMD
15	QUIESCE	21	CLOSE ACB	28	RCVCMD
16	SIMLOGON	22	SEND	29	REQSESS
17	OPNDST	23	RECEIVE	2A	OPNSEC
1A	INQUIRE	24	RESETSR	2B	CLSSEC
1B	INTRPRET	25	SESSIONC	2C	TERMSESS

RTNCD OFFSET X'25'
Contains a general feedback code returned by all RPL-based macros.

FDBK2 OFFSET X'26'
Contains a recovery action return code. It indicates the specific error in the RPL-based macro not successfully executed.

NIB or CID OFFSET X'08'
Contains either the NIB address or the CID address.

SSENSEI and SSENSMI OFFSET X'38'
Contains system sense information when the application or LU receives an exception response or an LU status.

ACF/VTAME CONTROL BLOCKS (BY CATEGORY)

This section is a summary of the four categories into which ACF/VTAME control blocks may be grouped. For detailed descriptions of individual control blocks, refer to ACF/VTAME Data Areas.

CONFIGURATION CONTROL BLOCKS

Define the domain

ATCVT	ACF/VTAME communication vector table
RDT	Resource definition table
SRT	Symbol resolution table
NAB	Network address block
MNT	Major node table
SNT	Specific (minor) node table
ICNCB	Intelligent controller node control block
LDNCB	Local device node control block
HALCB	Host attached line control block
PUT	Physical unit table
SPL	SDLC polling list
BSCLB	BSC line block
LUST	Logical unit status table
BCT	BSC cluster table
BPL	BSC polling list

ACF/VTAME-TO-APPLICATION PROGRAM INTERFACE CONTROL BLOCKS

Define the interface between ACF/VTAME and application programs

ACB	Access method control block
ACDEB	ACF/VTAME data extent block
LUCB	Logical unit control block
NIB	Node identification block

SESSION CONTROL BLOCKS

Control blocks used for the four types of sessions: (SSCP-SSCP, SSCP-PU, SSCP-LU, LU-LU)

SIB	Session information block
BFT	Boundary function table
FMCB	Function management control block
ACDEB	ACF/VTAME data extent block
RDT	Resource definition table

PROCESS SCHEDULING CONTROL BLOCKS

Used for scheduling and dispatching ACF/VTAME processes

APT	Asynchronous process table
PAB	Process anchor block
SDVT	Skeleton destination vector table
DVT	Destination vector table
RPH	Request parameter header
LQAB	Locked queue anchor block
WRE	Waiting request element

Control blocks that contain PABs:

ACDEB	ACF/VTAME data extent block
APTX	Asynchronous processing table extension
ATCVT	ACF/VTAME communication vector table
DYPAB	Dynamic process anchor block
FMCB	Function management control block
LUCB	Logical unit control block
NCB	Node control block
UECB	User exit control block

Work elements queued to PABs:

NCSPL	Network configuration services parameter list
PCE	Pool control block
POWE	Program operator work element
RPL	Request parameter list
RUPE	Request/response unit processing element
TIE	TOLTEP interface element
TRAC	Trace record
TRCPL	Trace parameter list
TSCB	Transmission subsystem control block
UECB	User exit control block
DLRPL	Dump/Load/Restart parameter list
PPL	Purge parameter list
TQE	Timer queue element
CPCB	Control point control block
LIE	Logical interface element

MODULE NAMING CONVENTIONS

The names of ACF/VTAME modules may be used to determine the component to which a module belongs. Module names are in the form:

ISTxxyzz

IST
identifies the module as an ACF/VTAME module.

xx
identifies the component:

- AC SSCP configuration services (activation)
- AI application program interface
- AP process scheduling services
- CD SSCP cross-domain resource manager
- CF network operator command facilities or initialization
- CP system services control point (SSCP)
- DE SSCP configuration services (deactivation)
- ES process scheduling services
- IN initialization/termination or SSCP
- LU logical unit services
- MA SSCP network maintenance services
- MG SSCP network management services
- NO network operator services
- OC OPEN/CLOSE
- OR storage management services
- PU physical unit services
- RA reliability, availability, and serviceability
- SD system definition
- SQ network inquiry
- ST network inquiry
- TS transmission subsystem

y
identifies applicable operating system:

- C or E indicates applicability to DOS/VSE

zz
identifies the individual module.

TERMINAL MESSAGES

UNFORMATTED SYSTEM SERVICES (USS) MESSAGES

Some messages might appear at a terminal for some error conditions or to inform the operator of some events. ACF/VTAME writes the messages described below in response to a character-coded logon or logoff command. The texts of the messages shown below are those contained in the IBM-supplied USS (Unformatted System Services) definition table. See the ACF/VTAME Installation manual for more detailed information. Each message indicates an error condition.

INVALID COMMAND SYNTAX
: Self explanatory.

command COMMAND UNRECOGNIZED
: The entered command is neither logon nor logoff.

param. PARAMETER UNRECOGNIZED
: The entered parameter is not valid for the command with which it is entered.

param. PARAMETER INVALID
: The value associated with a parameter is invalid.

UNSUPPORTED FUNCTION
: The logical unit sent the command in an improper manner to ACF/VTAM.

SEQUENCE ERROR
: If the command entered is a logon, this message means that an application program is already connected to the logical unit.

SESSION NOT BOUND
: A valid logon request has been entered but either the application program has rejected the logon request or the logical unit has rejected the application program OPNDST macro. This message is also written if the interpret table recognizes an error involving a logon command.

INSUFFICIENT STORAGE
: ACF/VTAME was unable to obtain enough storage to service the request.

MAGNETIC CARD DATA ERROR
: Magnetic card data error. Wrong field or parity error.

UNDEFINED MESSAGE

MESSAGE NOT DEFINED

An error condition occurred, but ACF/VTAME cannot find the message in the USS tables. This message indicates that the user has improperly defined or installed the USS definition tables.

MISCELLANEOUS

COMMANDS

The following is a list of display commands that can be used during problem determination. A complete description can be found in the ACF/VTAME Operation manual.

Command			Will Display
D NET,ID=xxxx,A	(E,I)	*Note	status of a node
D NET,BFRUSE			buffer use information
D NET,PENDING			nodes with pending I/O
D NET,MAJNODES			status of all major nodes
D NET,APPLS,A	(E,I)		application program major nodes
D NET,CLSTRS,A	(E,I)		BSC clusters, SNA physical units
D NET,LINES,A	(E,I)		all lines in the domain
D NET,TERMS,A	(E,I)		terminals and logical units
D NET,CDRSCS,A	(E,I)		all active CDRSC major nodes
D NET,CDRMS,A	(E,I)		all active CDRM major nodes
D NET,PATHTAB			the current path table

*Note: A=active E=every I=inactive

PATCH AREA

There is a patch area module available with ACF/VTAME. The name of the module is ISTPATCH. The module is pointed to by ATCVT +x'04' and is loaded during ACF/VTAME initialization. The module size of ISTPATCH that is supplied with the PID version of ACF/VTAME is 60 bytes. If a larger patch area is required, the module must be expanded. An example of how to use the patch area is given in Appendix D in the SNAP example.

TOLTEP

With the Teleprocessing Online Test Executive Program (TOLTEP) it is possible to test a device in the ACF/VTAME network using the online tests (OLTs). These OLTs are supplied by Field Engineering and are installed in the host system.

TOLTEP runs as a subtask of ACF/VTAME and requires 79K bytes of virtual storage.

For information about operating procedures and further requirements refer to ACF/VTAME Diagnostic Techniques manual.

APPENDIX A. SUBAREA CONVERSION TABLES

The following tables should help in interpreting ACF/VTAME traces that have been obtained in a multisystem networking environment. The tables give the valid hex possibilities for subareas and their decimal equivalents based on the coded value of MAXSUBA.

Explanation Of Table Entries

Assume MAXSUBA=63 is coded for the network. This means the first six bits of the DAF/OAF will represent the subarea and the remaining ten bits will be the element address. If we examine subarea 1, for example, then the bit structure of a DAF/OAF will appear as:

```
| 0000 01ee | eeee eeee |
|--byte  0--|--byte  1--|
```

where the e's represent the element address. In a very large network one or both of the high-order e's could be turned on. Therefore, a DAF/OAF (in hex) could appear in a trace as '04xx', '05xx', '06xx', or '07xx'. The following tables give the first-byte value(s) of the DAF/OAF, followed by the decimal value of the subarea.

Before using the tables, check the value coded for MAXSUBA in the start parameters list ATCSTRxx.

Conversation Table Example

Assume MAXSUBA=31, an SSCP is subarea 9, and an NCP is subarea 20. Then in a trace you might see the following origins or destinations.

```
x'4800' ----------------- address of the SSCP
x'4801' ----------------- address of the CDRM
x'48xx' ----------------- address of a node, where
                          the xx can be 02 through FF
```

Subarea Conversion Tables

MAXSUBA=4 to 7 (3 bits)

DAF/OAF byte0	subarea
20-3F	1
40-5F	2
60-7F	3
80-9F	4
A0-BF	5
C0-DF	6
E0-FF	7

MAXSUBA=8 to 15 (4 bits)

DAF/OAF byte0	subarea
10-1F	1
20-2F	2
30-3F	3
40-4F	4
50-5F	5
60-6F	6
70-7F	7
80-8F	8
90-9F	9
A0-AF	10
B0-BF	11
C0-CF	12
D0-DF	13
E0-EF	14
F0-FF	15

MAXSUBA=16 to 31 (5 bits)

DAF/OAF byte0	subarea
08-0F	1
10-17	2
18-1F	3
20-27	4
28-2F	5
30-37	6
38-3F	7
40-47	8
48-4F	9
50-57	10
58-5F	11
60-67	12
68-6F	13
70-77	14
78-7F	15
80-87	16
88-8F	17
90-97	18
98-9F	19
A0-A7	20
A8-AF	21
B0-B7	22
B8-BF	23
C0-C7	24
C8-CF	25
D0-D7	26
D8-DF	27
E0-E7	28
E8-EF	29
F0-F7	30
F8-FF	31

Subarea Conversion Tables

MAXSUBA=32 to 63 (6 bits)

DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area
		80-83	32
04-07	1	84-87	33
08-0B	2	88-8E	34
0C-0F	3	8C-8F	35
10-13	4	90-93	36
14-17	5	94-97	37
18-1B	6	98-9B	38
1C-1F	7	9C-9F	39
20-23	8	A0-A3	40
24-27	9	A4-A7	41
28-2B	10	A8-AB	42
2C-2F	11	AC-AF	43
30-33	12	B0-B3	44
34-37	13	B4-B7	45
38-3B	14	B8-BB	46
3C-3F	15	BC-BF	47
40-43	16	C0-C3	48
44-47	17	C4-C7	49
48-4B	18	C8-CB	50
4C-4F	19	CC-CF	51
50-53	20	D0-D3	52
54-57	21	D4-D7	53
58-5B	22	D8-DB	54
5C-5F	23	DC-DF	55
60-63	24	E0-E3	56
64-67	25	E4-E7	57
68-6B	26	E8-EB	58
6C-6F	27	EC-EF	59
70-73	28	F0-F3	60
74-77	29	F4-F7	61
78-7B	30	F8-FB	62
7C-7F	31	FC-FF	63

Subarea Conversion Tables

MAXSUBA=64 to 127 (7 bits)

DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area
		40-41	32	80-81	64	C0-C1	96
02-03	1	42-43	33	82-83	65	C2-C3	97
04-05	2	44-45	34	84-85	66	C4-C5	98
06-07	3	46-47	35	86-87	67	C6-C7	99
08-09	4	48-49	36	88-89	68	C8-C9	100
0A-0B	5	4A-4B	37	8A-8B	69	CA-CB	101
0C-0D	6	4C-4D	38	8C-8D	70	CC-CD	102
0E-0F	7	4E-4F	39	8E-8F	71	CE-CF	103
10-11	8	50-51	40	90-91	72	D0-D1	104
12-13	9	52-53	41	92-93	73	D2-D3	105
14-15	10	54-55	42	94-95	74	D4-D5	106
16-17	11	56-57	43	96-97	75	D6-D7	107
18-19	12	58-59	44	98-99	76	D8-D9	108
1A-1B	13	5A-5B	45	9A-9B	77	DA-DB	109
1C-1D	14	5C-5D	46	9C-9D	78	DC-DD	110
1E-1F	15	5E-5F	47	9E-9F	79	DE-DF	111
20-21	16	60-61	48	A0-A1	80	E0-E1	112
22-23	17	62-63	49	A2-A3	81	E2-E3	113
24-25	18	64-65	50	A4-A5	82	E4-E5	114
26-27	19	66-67	51	A6-A7	83	E6-E7	115
28-29	20	68-69	52	A8-A9	84	E8-E9	116
2A-2B	21	6A-6B	53	AA-AB	85	EA-EB	117
2C-2D	22	6C-6D	54	AC-AD	86	EC-ED	118
2E-2F	23	6E-6F	55	AE-AF	87	EE-EF	119
30-31	24	70-71	56	B0-B1	88	F0-F1	120
32-33	25	72-73	57	B2-B3	89	F2-F3	121
34-35	26	74-75	58	B4-B5	90	F4-F5	122
36-37	27	76-77	59	B6-B7	91	F6-F7	123
38-39	28	78-79	60	B8-B9	92	F8-F9	124
3A-3B	29	7A-7B	61	BA-BB	93	FA-FB	125
3C-3D	30	7C-7D	62	BC-BD	94	FC-FD	126
3E-3F	31	7E-7F	63	BE-BF	95	FE-FF	127

Subarea Conversion Tables

MAXSUBA=128 to 255 (8 bits)

DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area
		20	32	40	64	60	96
01	1	21	33	41	65	61	97
02	2	22	34	42	66	62	98
03	3	23	35	43	67	63	99
04	4	24	36	44	68	64	100
05	5	25	37	45	69	65	101
06	6	26	38	46	70	66	102
07	7	27	39	47	71	67	103
08	8	28	40	48	72	68	104
09	9	29	41	49	73	69	105
0A	10	2A	42	4A	74	6A	106
0B	11	2B	43	4B	75	6B	107
0C	12	2C	44	4C	76	6C	108
0D	13	2D	45	4D	77	6D	109
0E	14	2E	46	4E	78	6E	110
0F	15	2F	47	4F	79	6F	111
10	16	30	48	50	80	70	112
11	17	31	49	51	81	71	113
12	18	32	50	52	82	72	114
13	19	33	51	53	83	73	115
14	20	34	52	54	84	74	116
15	21	35	53	55	85	75	117
16	22	36	54	56	86	76	118
17	23	37	55	57	87	77	119
18	24	38	56	58	88	78	120
19	25	39	57	59	89	79	121
1A	26	3A	58	5A	90	7A	122
1B	27	3B	59	5B	91	7B	123
1C	28	3C	60	5C	92	7C	124
1D	29	3D	61	5D	93	7D	125
1E	30	3E	62	5E	94	7E	126
1F	31	3F	63	5F	95	7F	127

Subarea Conversion Tables

MAXSUBA=128 to 255 (8 bits) continued

DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area	DAF/OAF byte0	sub-area
80	128	A0	160	C0	192	E0	224
81	129	A1	161	C1	193	E1	225
82	130	A2	162	C2	194	E2	226
83	131	A3	163	C3	195	E3	227
84	132	A4	164	C4	196	E4	228
85	133	A5	165	C5	197	E5	229
86	134	A6	166	C6	198	E6	230
87	135	A7	167	C7	199	E7	231
88	136	A8	168	C8	200	E8	232
89	137	A9	169	C9	201	E9	233
8A	138	AA	170	CA	202	EA	234
8B	139	AB	171	CB	203	EB	235
8C	140	AC	172	CC	204	EC	236
8D	141	AD	173	CD	205	ED	237
8E	142	AE	174	CE	206	EE	238
8F	143	AF	175	CF	207	EF	239
90	144	B0	176	D0	208	F0	240
91	145	B1	177	D1	209	F1	241
92	146	B2	178	D2	210	F2	242
93	147	B3	179	D3	211	F3	243
94	148	B4	180	D4	212	F4	244
95	149	B5	181	D5	213	F5	245
96	150	B6	182	D6	214	F6	246
97	151	B7	183	D7	215	F7	247
98	152	B8	184	D8	216	F8	248
99	153	B9	185	D9	217	F9	249
9A	154	BA	186	DA	218	FA	250
9B	155	BB	187	DB	219	FB	251
9C	156	BC	188	DC	220	FC	252
9D	157	BD	189	DD	221	FD	253
9E	158	BE	190	DE	222	FE	254
9F	159	BF	191	DF	223	FF	255

APPENDIX B. REQUEST/RESPONSE UNIT NETWORK COMMANDS

The following section contains a list of the network commands that can be received on an SDLC link. Some of the commands (for SSCP-PU4, PU4-PU5, and PU4-SSCP sessions) may not be seen in a VTAME environment.

The following RU bytes are valid if RH byte 0 contains:

x'6x' for session control (SC)
x'4x' for data flow control (DFC)
x'2x' for network control (NC)
x'0x' for network services all (3-byte entries)

*** Note: PU45 under the session column denctes applicability to PU type 4 or 5 (PU12 = type 1 or 2)

Network SNA Commands

-- RU --	-- Command --	-Session-	-- Description --
01 00 01		SSCP-PU4	change transmission limit
01 00 02		SSCP-PU4	change negative rsp to poll limit
01 00 03		SSCP-PU4	change session limit
01 00 04		SSCP-PU4	change poll limit
01 02 01	contact	SSCP-PU45	contact
01 02 02	discontact	SSCP-PU45	discontact
01 02 03	iplinit	SSCP-PU4	IPL initial
01 02 04	ipltext	SSCP-PU4	IPL text
01 02 05	iplfinal	SSCP-PU4	IPL final
01 02 06	dumpinit	SSCP-PU4	dump initial
01 02 07	dumptext	SSCP-PU4	dump text
01 02 08	dumpfinal	SSCP-PU4	dump final
01 02 09	rpo	SSCP-PU4	remote power off
01 02 0A	actlink	SSCP-PU45	activate link
01 02 0B	dactlink	SSCP-PU45	deactivate link
01 02 0E	connout	SSCP-PU45	connect out
01 02 0F	abconn	SSCP-PU45	abandon connection
01 02 11	setcv	SSCP-PU45	set control vector
01 02 14	eslow	PU4-SSCP	entering slowdown
01 02 15	exslow	PU4-SSCP	exiting slowdown
01 02 16	actconnin	SSCP-PU45	activate connect in
01 02 17	dactconnin	SSCP-PU45	deact connect in
01 02 18	abconnout	SSCP-PU45	abandon connect out
01 02 19	ana	SSCP-PU4	assign ntwk addrs.
01 02 1A	fna	SSCP-PU45	free network addrs.

Network SNA Commands

-- RU --	-- Command --	-Session-	-- Description --
01 02 1B	reqdiscont	PU12-SSCP	request discontact
01 02 81	inop	PU45-SSCP	inoperative
01 02 84	reqcont	PU45-SSCP	request contact
01 02 85	nslsa	PU45-SSCP	network services lost subarea
01 03 02	acttrace	SSCP-PU4	activate line trace
01 03 03	dacttrace	SSCP-PU4	deact line trace
01 03 31	dispstor	SSCP-PU4	display storage
01 03 34	recstor	PU4-SSCP	record storage
01 03 81	recms	PU-SSCP	record maintenance statistics
01 03 82	rectd	PU-SSCP	record test data
01 03 83	rectrd	PU-SSCP	record line trace
01 06 04	nspe	SSCP-LU	network services procedure error
01 06 81	initself	LU-SSCP	initiate self
01 06 83	termself	LU-SSCP	terminate self
04 (dfc)	lustat	LU-LU	logical unit status
05 (dfc)	rtr	LU-LU	ready to receive
05 (nc)	nclsa	PU45-PU45	network control lost subarea
06 (nc)	anss	PU4-PU5	auto network shutdown started
07 (nc)	ansc	PU4-PU5	auto network shutd complete
08 (nc)		SSCP-SSCP	lost path
08 (nc)		LU-SSCP	lost path
08 (nc)		LU-LU	lost path
0D (sc)	actlu	SSCP-LU	act. logical unit
0E (sc)	dactlu	SSCP-LU	deact. logical unit
11 (sc)	actpu	SSCP-PU	act. physical unit
12 (sc)	dactpu	SSCP-PU	deact. physical unit
14 (sc)	actcdrm	SSCP-SSCP	activate CDRM
15 (sc)	dactcdrm	SSCP-SSCP	deactivate CDRM
31 (sc)	bind	LU-LU	bind session
32 (sc)	unbind	LU-LU	unbind session
41 02 10	rnaa	SSCP-PU45	req ntwrk address
41 02 1C	deletenr	SSCP-PU5	delete network resource
41 02 40	addnr	PU5-SSCP	add ntwrk resource
41 02 86	reqdelnr	PU5-SSCP	request delete network resource

Network SNA Commands

-- RU --	-- Command --	-Session-	-- Description --
41 03 05	etm	SSCP-PU	enter test mode
41 03 11	scv	SSCP-PU	maintenance services scv
41 03 84	recfms	PU-SSCP	record formatted maint statistics
51 (nc)	swep	SSCP-PU4	switch line to NCP mode
52 (nc)	swncp	SSCP-PU4	switch line to EP mode
63 00 01			service manager parameter list
70 (dfc)	bis	LU-LU	bracket initiation stopped
71 (dfc)	sbi	LU-LU	stop bracket initiation
80 (dfc)	qec	LU-LU	quiesce at end of chain
81 (dfc)	qc	LU-LU	quiesce complete
81 03 80	reqecho	LU-SSCP	request echo test
81 03 81	echo	SSCP-LU	echo testomplete
81 06 01	cinit	SSCP-LU	control initiate
81 06 02	cterm	SSCP-LU	control terminate
81 06 20	notify	SSCP-LU	notify session status
81 06 29	cleanup	SSCP-LU	clean up session
81 06 80	init-other	LU-SSCP	initiate other
81 06 81	init-self	LU-SSCP	initiate self
81 06 82	term-other	LU-SSCP	terminate other
81 06 83	term-self	LU-SSCP	terminate self
81 06 85	bindf	LU-SSCP	bind failure
81 06 86	sessst	LU-SSCP	session started
81 06 87	unbindf	LU-SSCP	unbind failure
81 06 88	sessend	LU-SSCP	session ended
81 08 12	dvr	SSCP-LU	deliver

Network SNA Commands

-- RU --	-- Command --	-Session-	-- Description --
81 86 20	nfy	SSCP-SSCP	cross domain notify
81 86 27	dsl	SSCP-SSCP	cross domain direct search list
81 86 40	cdinito	SSCP-SSCP	cross domain initiate other
81 86 41	cdinit	SSCP-SSCP	x-domain initiate
81 86 43	cdterm	SSCP-SSCP	x-domain terminate
81 86 45	cdsesssf	SSCP-SSCP	x-domain session setup failure
81 86 46	cdsessst	SSCP-SSCP	x-domain session started
81 86 47	cdsesstf	SSCP-SSCP	x-domain session takedown failure
81 86 48	cdsessend	SSCP-SSCP	x-domain session ended
81 86 49	cdtaked	SSCP-SSCP	x-domain takedown
81 86 4A	cdtakedc	SSCP-SSCP	x-domain takedown complete
81 86 4B	cdcinit	SSCP-SSCP	x-domain control initiate
82 (dfc)	relq	LU-LU	release quiesce
83 (dfc)	cancel	LU-LU	cancel
84 (dfc)	chase	LU-LU	chase
A0 (sc)	sdt	SSCP-PU4	start data traffic
A0 (sc)		SSCP-SSCP	start data traffic
A0 (sc)		LU-LU	start data traffic
A1 (sc)	clear	SSCP-SSCP	clear
A1 (sc)		LU-LU	clear
A2 (sc)	stsn	LU-LU	set and test sequece numbers
A3 (sc)	rqr	SSCP-SSCP	request recovery
A3 (sc)		LU-LU	request recovery
C0 (sc)	crv	LU-LU	cryptography verify
C0 (dfc)	shutd	LU-LU	shutdown
C1 (dfc)	shutc	LU-LU	shutdown complete
C2 (dfc)	rshutd	LU-LU	request shutdown
C8 (dfc)	bid	LU-LU	bid
C9 (dfc)	sig	LU-LU	signal

APPENDIX C. RU SENSE DATA BYTES

When the first byte of the RH is (xxxx x1xx), sense data is present in the RU. This data consists of a 1-byte sense data major code, a 1-byte modifier, and user-defined sense data. The following tables give the defintions for the sense bytes. For a detailed description of the sense codes refer to Appendix B in the ACF/VTAME DIAGNOSTIC TECHNIQUES manual.

Sense Data Definitions

x'80'	-- Path Error --
80 00	indeterminate path error
80 01	intermediate node failure
80 02	link failure
80 03	LU inoperative
80 04	unrecognized DAF
80 05	no session
80 06	invalid FID
80 07	segmenting error
80 08	PU not active
80 09	LU not active
80 0A	too long PIU
80 0B	incomplete TH
80 0C	data count field error
80 0D	lost contact
80 0E	unrecognized OAF
80 0F	invalid address combination

Sense Data Definitions

x'40'	-- RH Usage Error --
40 01	invalid session control/network control RH
40 02	used for CRYPTO
40 03	BB not allowed
40 04	EB not allowed
40 05	incomplete RH
40 06	exception not allowed
40 07	definite response not allowed
40 08	pacing not supported
40 09	CD not allowed
40 0A	no-response not allowed
40 0B	chaining not supported
40 0C	brackets not supported
40 0D	CD not supported
40 0E	reserved
40 0F	format indicator not allowed
40 10	alternate code not supported
x'20'	-- State Error --
20 01	sequence number error
20 02	chaining error
20 03	bracket error
20 04	direction error
20 05	data traffic reset error
20 06	data traffic quiesced
20 07	data traffic not reset
20 08	no begin bracket
x'10'	-- Request Error --
10 01	RU data error
10 02	RU length error
10 03	function not supported
10 04	reserved
10 05	parameter error
10 06	reserved
10 07	category not supported
10 08	invalid FM header

Sense Data Definitions

10 08 40 xx	-- Session Errors --
10 08 40 01	invalid FMH type
10 08 40 02	invalid FMH code
10 08 40 03	compression not supported
10 08 40 04	compaction not supported
10 08 40 05	basic exchange not supported
10 08 40 06	only basic exchange supported
10 08 40 07	media not supported
10 08 40 08	code selection compression viclation
10 08 40 09	FMH concatenation not supported
10 08 40 0A	demand select not supported
10 08 40 0B	data set name not supported
10 08 40 0C	invalid media subaddress field
10 08 40 0D	insufficient resources to perform FMH funct.
10 08 20 xx	-- FM Header Protocol Errors --
10 08 20 01	invalid destination - active
10 08 20 02	invalid destination - inactive
10 08 20 03	invalid destination - suspended
10 08 20 05	interruption level violaticn
10 08 20 07	destination(media.subaddr.dsname) not avail.
10 08 20 08	invalid end sequence
10 08 20 09	invalid FM header length
10 08 20 0A	invalid field setting
10 08 20 0B	invalid destination - does not exist
10 08 20 0C	invalid exchange record length (ERCL)
10 08 20 0D	invalid data set transmission
10 08 20 0E	invalid concatenation
10 08 20 0F	FM data not allowed for header
10 08 20 10	bind FM header subset violaticn
10 08 20 14	FM header not sent concatenated
10 08 20 19	stack reference indicatcr invalidity set

Sense Data Definitions

10 08 08 xx	-- Data Processing Errors --
10 08 08 01	invalid function code parameters
10 08 08 02	reserved
10 08 08 03	forms function cannot be performed
10 08 08 04	reserved
10 08 08 05	unable to perform copy function
10 08 08 06	compaction table outside supported subset
10 08 08 07	invalid PDIR identifier
10 08 08 08	train function cannot be performed
10 08 08 09	FCB load function cannot be performed
10 08 08 0A	FCB load function not supported
10 08 08 0B	invalid compaction table name
10 08 08 0C	invalid access
10 08 08 0D	invalid record length
10 08 08 0E	invalid number records
10 08 08 0F	data set in use
10 08 08 10	data set not found
10 08 08 11	invalid password
10 08 08 12	function not allowed for data set
10 08 08 13	record too long
10 08 08 14	data set full
10 08 08 15	invalid record ID
10 08 08 16	reserved
10 08 08 17	invalid volume ID
10 08 08 18	number of logical records per chain exceeded
10 08 08 19	data set exists
10 08 08 1A	no space available
10 08 08 1B	invalid volume ID
10 08 08 1C	invalid data set access
10 08 08 1D	invalid record type
10 08 08 1E	insufficient resolution space
10 08 08 1F	invalid key technique
10 08 08 20	invalid key displacement
10 08 08 21	invalid key
10 08 08 22	invalid 'n' parameter
10 08 08 23	invalid key indicator
10 08 08 24	invalid serial ID
10 08 08 25	reserved
10 08 08 26	invalid record ID format
10 08 08 27	password not supplied
10 08 08 28	record ID not supplied
10 08 08 29	volume ID not supplied
10 08 08 2A	invalid program name

Sense Data Definitions

x'08'	-- Request Reject --
08 01	resource not available
08 02	intervention required
08 03	missing password
08 04	invalid password
08 05	session limit exceeded
08 06	resource unknown
08 07	resource not avail. - lustat forthcoming
08 08	invalid contents ID
08 09	mode inconsistency
08 0A	permission rejected
08 0B	bracket race error
08 0C	procedure not supported
08 0D	NAU contention
08 0E	NAU not authorized
08 0F	end user not authorized
08 10	missing requestor indicator
08 11	break
08 12	insufficient resources
08 13	bracket bid reject - no RTR forthcoming
08 14	bracket bid reject - RTR forthcoming
08 15	function active
08 16	function inactive
08 17	link inactive
08 18	link procedure in process
08 19	RTR not required
08 1A	request sequence error
08 1B	receiver in transmit mode
08 1C	request not executable
08 1D	invalid station/SSCP ID
08 1E	session reference error
08 1F	reserved
08 20	control vector error
08 21	invalid session parameters
08 22	link procedure failure
08 23	unknown control vector
08 24	component aborted

Sense Data Definitions

08 25	component not available
08 26	FM function not supported
08 27	intermittent error - retry requested
08 28	reply not allowed
08 29	change direction required
08 2A	presentation space alteration
08 2B	presentation space integrity lost
08 2C	resource-sharing limit reached
08 2D	LU busy
08 2E	intervention required at subsidiary device
08 2F	request not executable, subsidiary device
08 30	reserved
08 31	reserved
08 32	invalid count field
08 33	invalid parameter in fixed-length field
08 34	RPO not initiated
08 35	invalid parameter in fixed- or variable-length field
08 36	PLU/SLU specification mismatch
08 37	queuing limit exceeded
08 38	queuing not supported
08 39	(LU,LU) sessions being taken down
08 3A	LU not enabled
08 3B	invalid PCID
08 3C	domain takedown contention
08 3D	dequeue retry failed - removed from queue
08 3E	network name resolution problem
08 3F	terminate contention
08 40	reserved
08 41	duplicate network address
08 42	(SSCP,SSCP) session not active
08 43	reserved
08 44	initiation dequeue contention
08 45	permission rejected- SSCP will be notified
08 46	ERP message forthcoming
08 47	resynchronizing restart required
08 48	reserved
08 49	invalid request procedure
08 4A	presentation space alteration
08 4B	requested resources not available
08 4C	resource permanently unavailable
08 4D	invalid session parameter - boundary function
08 4E	invalid session parameters - primary
08 51	session busy

APPENDIX D. SAMPLE PROCEDURES

PRINT ACF/VTAME TRACE RECORDS

To print the ACF/VTAME trace file, use the ACF/VTAME trace print utility TPRINT. It may be run as a subtask under ACF/VTAME, or as a job step under DOS/VSE. As a subtask, printing can be activated using the MODIFY NET,TPRINT command while ACF/VTAME is active. If run as a separate job step, it can be run while ACF/VTAME is active or inactive. The trace file being printed cannot be assigned to ACF/VTAME. To run TPRINT as a job step, use the following JCL statements.

```
// DLBL TRFILE,'VTAM.TRACE.FILE',1,SD
// EXTENT SYS001,SYSWK2,,,2360,220
// ASSGN SYS001,DISK,VCL=SYSWK2,SHR
// ASSGN SYSLST,180
// EXEC TPRINT
```

SYSLST must be assigned to a tape, printer, or disk with the name IJSYSLS. TPRINT will be cancelled if SYSLST is not assigned. For more detailed information about TPRINT refer to the ACF/VTAME Diagnostic Techniques manual.

OBTAIN THE ACF/VTAME I/O ACTIVITY TRACE

The following shows the commands and system responses of activating the ACF/VTAME I/O activity trace. The arrows show the commands entered by the domain operator.

```
==>  SDAID
     AR 15 4C05I PROCESSING OF 'SDAID'  COMMAND SUCCESSFUL
==>  OUTDEV TAPE=182
     AR 15 4C05I PROCESSING OF 'OUTDEV' COMMAND SUCCESSFUL
==>  TRACE VTAMIO AREA=F3 UNIT=(0B0,0B1,0B2,0B3)
     AR 15 4C05I PROCESSING OF 'TRACE'  COMMAND SUCCESSFUL
==>  READY
     AR 15 4C05I PROCESSING OF 'READY'  COMMAND SUCCESSFUL
==>  STRTSD
     AR 15 4C05I PROCESSING OF 'STRTSD' COMMAND SUCCESSFUL
```

To print the trace file contents, use DOSVSDMP program. The following shows the operator commands and system responses for executing the DOSVSDMP program to print the trace obtained in Appendix G.

```
     *BG-00
==>   0 // ASSGN SYS006,TAPE
     *BG-00
==>   0 EXEC DOSVSDMP
     *BG 00 4C50D  SELECT YOUR OPTION BY NUMBER
      1 CREATE DOSDMPF 2 PRINT DUMP  3 PRT SDAIDTAPE
      4 PRINT FILE     5 INFORMATION 6 EOJ(DEFAULT)
      7 CREATE DOSDMPG 8 CLR DOSDMPF 9 CLR DOSDMPG
     *BG-00
==>   0 3
```

CA DYNAMIC TRACE EXAMPLE

The following is a sample job stream and console interaction for obtaining and printing the CA Dynamic Trace:

```
  // JOB DYNADMP
  // ASSGN SYSLST,cuu                (A)
  // ASSGN SYS010,cuu                (B)
  // ASSGN SYS011,03B                (C)
  // EXEC IDUSVEP
   PAUSE                             (D)

 Entered from the console:
 ==> OPTION 41033                    (E)
 ==> DYNADMP DYNAMIC                 (F)
```

At this point a message will be issued to the operator:

```
    IDU505A OC EXIT TO FORCE STOP
```

This message indicates that the tracing function is in progress, and that an Operator Communication routine may be used to terminate the trace.

```
 ==> SYSIN                           (G)

    END
```

Trace recording can be stopped either by replying to message IDU505A or by stopping the Dynamic Trace In Line Test (ILT) via 4331 Maintenance Selection '9' option 'P'. This action will halt the transfer of trace blocks to the work file as soon as the next trace block is received from the communication adapter and placed on the work file. Normally, stopping the line trace through the 4331 Maintenance Selection mechanism is best since:

1. The ILT should be stopped anyway to leave the area free for other ILTs. The OPTION statement can stop tracing for a line but cannot stop the ILT.

2. The IDU505A reply mechanism will not work if all activity on a line has ceased since the Dynamic Trace program will wait indefinitely for the last trace block to be completed. Stopping the ILT causes a truncated final trace block to be recorded. No trace data is lost.

The following shows how to terminate trace recording via the message reply.

```
 ==> MSG yy                          (H)
 ==> OPTION 41133                    (I)
   /*
   /&
   // JOB PRINT DYNADMP
   // ASSGN SYSLST,cuu
   // ASSGN SYS010,cuu                (B)
   // EXEC IDUSVEP
    PRINT                            (J)
    END
   /*
   /&
```

(A) Defines the printer for the output of the PRINT command.
(B) Defines the tape work file for Dynamic tracing.
(C) Defines subchannel address for Dynamic trace interface.
(D) Allows operator to enter control statements from console.
(E) Start a CA line trace on subchannel 33.
(F) Dump trace table dynamically as entries are made.
(G) Resume reading input from card reader.
(H) Establish operator communication in order to stop the dynamic dump function. yy indicates the partition in which the dynamic program is running.
(I) Stop line trace on subchannel 33.
(J) Print a listing on device specified in SYSLST JCL.

SNAP EXAMPLE

This is a simple example of the use of the VIT SNAP activation.
In this case, register 1 in module VTAM1 points to the RPH and
we want to trace the RPH each time this mcdule is entered.

```
* assume that we want to rep address 120 in VTAM1 module
* and that +0 in ISTPATCH is free space
// JOB PDZAP
// UPSI 1
// EXEC PDZAP
NAME=SYSPRGMER
SCIL=VTAM1
OFFSET=+120
VER=58A0,C144   ** instruction to be overlaid
REP=58A0,0010   ** load atcvt address
OFFSET=+124
VER=xxxx,xxxx
REP=58A0,A004   ** load pointer to ISTPATCH module
OFFSET=+128
VER=xxxx,xxxx
REP=47F0,A000   ** branch to patch area
END PHASE
SCIL=ISTPATCH
OFFSET=+0
VER=0000,0000   ** unused portion of patch area
REP=900F,A370   ** save registers
OFFSET=+4
VER=0000,0000
REP=58F0,0010   ** load atcvt address
OFFSET=+8
VER=0000,0000
REP=58F0,F288   ** load entry point to ISTRAETR
OFFSET=+C
VER=0000,0000
REP=05EF        ** BALR to trace module
OFFSET=+E
VER=0000
REP=141C        ** SNAP identification fcr trace module
OFFSET=+10
VER=0000,0000
REP=980F,A370   ** restore registers
OFFSET=+14
VER=0000,0000
REP=58A0,C144   ** replace overlaid instruction in VTAM1
OFFSET=+18
VER=0000,0000
REP=xxxx,xxxx,xxxx,xxxx ** rep overlaid instrs in VTAM1
OFFSET=+20
VER=0000,0000
REP=47F0,C12C   ** branch back to VTAM1
/*
/&
```

APPENDIX E. DEFINITIONS

This appendix contains the definition for the Communications Adapter major node and the ACF/VTAME definitions that were used in the course of obtaining the trace examples contained in this document. Also included are the MVS ACF/VTAM definitions and the NCPGEN used for the cross domain traces.

CA012 DEFINITIONS (COMMUNICATIONS ADAPTER MAJOR NODE)

```
*************************************************************************
*  ---------------|------------------------------------------------- *
*  CA MAJOR NODE  |        DEVICES                                    *
*  ---------------|------------------------------------------------- *
*     030           REMOTE 3705                                       *
*     031           PEER VTAME SYSTEM                                 *
*     032           30 TPNS BSC LUS                                   *
*     033           30 TPNS SDLC LUS                                  *
*     034           SUPERLINE SDLC NON-SW                             *
*                     3767A-ADDR 03                                   *
*                     3767B-ADDR 04                                   *
*                     3600 -ADDR C1                                   *
*                     3774A-ADDR C3                                   *
*                     3790 -ADDR C2                                   *
*                                                                     *
*     035           REMOTE SDLC                                       *
*                     3274 -ADDR C1                                   *
*                       1920, 2560, 3440, 3564, PRT                   *
*                   30 TPNS SNA LUS                                   *
*     036           BSC NON-SW                                        *
*                     3271 -3277,3277, 3286                           *
*                     3275+PRT                                        *
*                   30 TPNS BSC LUS                                   *
*                                                                     *
*************************************************************************
```

```
        VBUILD  TYPE=CA
*************************************************************************
******    LINE 30 - 3705                                          *****
*************************************************************************
G0130    GROUP DIAL=NO,                                                X
               LNCTL=SDLC,                                             X
               ISTATUS=INACTIVE
L01030   LINE  ADDRESS=030,          LINE ADDRESS                      X
               ISTATUS=INACTIVE,                                       X
               INBFRS=(2,8),         I/O BUFFERS TO READ DATA          X
               RETRIES=7             ERP RETRY LIMIT
```

```
P010300  PU    PUTYPE=4,            PHYSICAL UNIT TYPE                X
               SUBAREA=3,           SUBAREA                           X
               PASSLIM=7,           MAX PIU SENT AT ONE TIME          X
               ISTATUS=INACTIVE,    INITIAL STATUS                    X
               RETRIES=7,           ERP RETRY LIMIT                   X
               MAXOUT=7,            MAX PIU BEFORE RESPONSE           X
               TADDR=C1             SECONDARY STATION ADDRESS

*************************************************************************
******    LINE 31 - PEER                                          ******
*************************************************************************
G0131    GROUP DIAL=NO,                                                 X
               LNCTL=SDLC,                                              X
               ISTATUS=INACTIVE
L01031   LINE  ADDRESS=031,         LINE ADDRESS                      X
               ISTATUS=INACTIVE,                                        X
               ACTIVTO=60,          WAIT FOR SDLC FRAME-TIMEOUT       X
               SERVLIM=4,           DATA POLL/CONTACT POLL CYCLES     X
               INBFRS=(2,8),        MIN,MAX READ BUFFERS              X
               PAUSE=0.2,           WAIT AFTER POLL TO SIGNAL COMPL   X
               RETRIES=10           ERP RETRY LIMIT
P010310  PU    PUTYPE=5,            PEER ACF/VTAME= PU TYPE 5         X
               TADDR=C1,            SECONDARY STATION ADDRESS         X
               ISTATUS=INACTIVE,    INITIAL STATUS                    X
               SUBAREA=2

*************************************************************************
*******  LINE 32 - 30 BSC TPNS DEVICES                             *******
*************************************************************************
G0132    GROUP LNCTL=BSC,                                               X
               ISTATUS=INACTIVE,                                        X
               MODETAB=MT3274C,                                         X
               DLOGMOD=S3270
L01032   LINE  ADDRESS=032,                                             X
               INBFRS=(1,2),                                            X
               RETRIES=10
P010320  CLUSTER CUTYPE=3271,                                           X
               GPOLL=C1
T0103201 TERMINAL TERM=3277,ADDR=40,FEATUR2=MODEL2
T0103202 TERMINAL TERM=3277,ADDR=C1,FEATUR2=MODEL2
T0103203 TERMINAL TERM=3277,ADDR=C2,FEATUR2=MODEL2
T0103204 TERMINAL TERM=3277,ADDR=C3,FEATUR2=MODEL2
T0103205 TERMINAL TERM=3277,ADDR=C4,FEATUR2=MODEL2
T0103206 TERMINAL TERM=3277,ADDR=C5,FEATUR2=MODEL2
T0103207 TERMINAL TERM=3277,ADDR=C6,FEATUR2=MODEL2
T0103208 TERMINAL TERM=3277,ADDR=C7,FEATUR2=MODEL2
T0103209 TERMINAL TERM=3277,ADDR=C8,FEATUR2=MODEL2
T010320A TERMINAL TERM=3277,ADDR=C9,FEATUR2=MODEL2
P010321  CLUSTER CUTYPE=3271,                                           X
               GPOLL=C2
T0103211 TERMINAL TERM=3277,ADDR=40,FEATUR2=MODEL2
T0103212 TERMINAL TERM=3277,ADDR=C1,FEATUR2=MODEL2
T0103213 TERMINAL TERM=3277,ADDR=C2,FEATUR2=MODEL2
T0103214 TERMINAL TERM=3277,ADDR=C3,FEATUR2=MODEL2
```

```
T0103215 TERMINAL TERM=3277,ADDR=C4,FEATUR2=MODEL2
T0103216 TERMINAL TERM=3277,ADDR=C5,FEATUR2=MODEL2
T0103217 TERMINAL TERM=3277,ADDR=C6,FEATUR2=MODEL2
T0103218 TERMINAL TERM=3277,ADDR=C7,FEATUR2=MODEL2
T0103219 TERMINAL TERM=3277,ADDR=C8,FEATUR2=MODEL2
T010321A TERMINAL TERM=3277,ADDR=C9,FEATUR2=MODEL2
P010322  CLUSTER CUTYPE=3271,                                          X
               GPOLL=C3
T0103221 TERMINAL TERM=3277,ADDR=40,FEATUR2=MODEL2
T0103222 TERMINAL TERM=3277,ADDR=C1,FEATUR2=MODEL2
T0103223 TERMINAL TERM=3277,ADDR=C2,FEATUR2=MODEL2
T0103224 TERMINAL TERM=3277,ADDR=C3,FEATUR2=MODEL2
T0103225 TERMINAL TERM=3277,ADDR=C4,FEATUR2=MODEL2
T0103226 TERMINAL TERM=3277,ADDR=C5,FEATUR2=MODEL2
T0103227 TERMINAL TERM=3277,ADDR=C6,FEATUR2=MODEL2
T0103228 TERMINAL TERM=3277,ADDR=C7,FEATUR2=MODEL2
T0103229 TERMINAL TERM=3277,ADDR=C8,FEATUR2=MODEL2
T010322A TERMINAL TERM=3277,ADDR=C9,FEATUR2=MODEL2

*************************************************************************
*******  LINE 33 - 30 SNA TPNS DEVICES                                *****
*************************************************************************
G0133    GROUP LNCTL=SDLC,          LINE CONTROL SDLC                  X
               DIAL=NO,                                                X
               MODETAB=MT3274C
L01033   LINE  ADDRESS=033,                                            X
               ISTATUS=INACTIVE,    INITIAL STATUS                     X
               ACTIVTO=30,          WAIT FOR SDLC FRAME                X
               SERVLIM=4,           DATA POLL/ CONTACT POLL CYCLES     X
               INBFRS=(1,2),        MIN,MAX READ BUFFERS               X
               REPLYTO=25,          TIME OUT                           X
               RETRIES=7,                                              X
               PAUSE=0.1            PAUSE EACH POLL CYCLE
********
* PU 0 *
********
P010330 PU     PUTYPE=2,                                               X
               ADDR=C1,                                                X
               MAXDATA=265,                                            X
               DISCNT=NO,                                              X
               MAXOUT=7,                                               X
               ISTATUS=INACTIVE,                                       X
               PASSLIM=7
T0103301 LU    LOCADDR=2,PACING=1
T0103302 LU    LOCADDR=3,PACING=1
T0103303 LU    LOCADDR=4,PACING=1
T0103304 LU    LOCADDR=5,PACING=1
T0103305 LU    LOCADDR=6,PACING=1
T0103306 LU    LOCADDR=7,PACING=1
T0103307 LU    LOCADDR=8,PACING=1
T0103308 LU    LOCADDR=9,PACING=1
T0103309 LU    LOCADDR=10,PACING=1
T010330A LU    LOCADDR=11,PACING=1
```

```
*******
* PU 1*
*******
P010331 PU      PUTYPE=2,                                              X
                ADDR=C2,                                               X
                MAXDATA=265,                                           X
                DISCNT=NO,                                             X
                MAXOUT=7,                                              X
                ISTATUS=INACTIVE,                                      X
                PASSLIM=7
T0103311 LU     LOCADDR=2,PACING=1
T0103312 LU     LOCADDR=3,PACING=1
T0103313 LU     LOCADDR=4,PACING=1
T0103314 LU     LOCADDR=5,PACING=1
T0103315 LU     LOCADDR=6,PACING=1
T0103316 LU     LOCADDR=7,PACING=1
T0103317 LU     LOCADDR=8,PACING=1
T0103318 LU     LOCADDR=9,PACING=1
T0103319 LU     LOCADDR=10,PACING=1
T010331A LU     LOCADDR=11,PACING=1
*******
* PU 2*
*******
P010332 PU      PUTYPE=2,                                              X
                ADDR=C3,                                               X
                MAXDATA=265,                                           X
                DISCNT=NO,                                             X
                MAXOUT=7,                                              X
                ISTATUS=INACTIVE,                                      X
                PASSLIM=7
T0103321 LU     LOCADDR=2,PACING=1
T0103322 LU     LOCADDR=3,PACING=1
T0103323 LU     LOCADDR=4,PACING=1
T0103324 LU     LOCADDR=5,PACING=1
T0103325 LU     LOCADDR=6,PACING=1
T0103326 LU     LOCADDR=7,PACING=1
T0103327 LU     LOCADDR=8,PACING=1
T0103328 LU     LOCADDR=9,PACING=1
T0103329 LU     LOCADDR=10,PACING=1
T010332A LU     LOCADDR=11,PACING=1

************************************************************************
******  LINE 34 SUPERLINE                                         *****
************************************************************************
G0134    GROUP  LNCTL=SDLC,                                            X
                DIAL=NO,                                               X
                ISTATUS=INACTIVE
L01034   LINE   ADDRESS=034,          STATION ADDRESS                  X
                ISTATUS=INACTIVE,                                      X
                PAUSE=0.1,            WAIT BEFORE SIGNAL COMPL         X
                SERVLIM=4,            DATA POLL/CONTACT POLL CYCLES    X
                INBFRS=(2,8),         MIN,MAX BUFFERS FOR READ         X
                REPLYTO=25,                                            X
                RETRIES=7
```

```
***********
*  3767 A *
***********
P010340  PU    PUTYPE=1,           SNA TERMINAL NODE                  X
               ADDR=03,            SDLC ADDRESS OF STATION            X
               MAXDATA=261,        MAX DATA FOR PIU                   X
               MAXOUT=1,           MAX PIU SENT BEFORE RESPONSE       X
               ISTATUS=INACTIVE
T0103401 LU    LOCADDR=0,PACING=1
***********
* 3767 B  *
***********
P010341  PU    PUTYPE=1,           SNA TERMINAL NODE                  X
               ADDR=04,            SDLC ADDRESS OF STATION            X
               MAXDATA=261,        MAX DATA FOR PIU                   X
               MAXOUT=1,           MAX PIU SENT BEFORE RESPONSE       X
               ISTATUS=INACTIVE
T0103411 LU    LOCADDR=0,PACING=1
 ***********
 * 3774    *
 ***********
 P010343  PU    PUTYPE=2,ADDR=C3,MAXDATA=265    SNA CLUSTER
 T0103431 LU    LOCADDR=1,PACING=1

*************************************************************************
******   LINE 35 REMOTE SNA DEVICES                                ******
*************************************************************************
G0135    GROUP LNCTL=SDLC,         LINE CONTROL SDLC                  X
               DIAL=NO,                                               X
               MODETAB=MT3274C,                                       X
               RETRIES=7
L01035   LINE  ADDRESS=035,                                           X
               ISTATUS=INACTIVE,   INITIAL STATUS                     X
               ACTIVTO=30,         WAIT FOR SDLC FRAME                X
               SERVLIM=4,          DATA POLL/ CONTACT POLL CYCLES     X
               REPLYTO=25,                                            X
               RETRIES=10,                                            X
               INBFRS=(1,2),       MIN,MAX READ BUFFERS               X
               PAUSE=0.1           PAUSE EACH POLL CYCLE
************
* 3274-1C **
************
P010350  PU    PUTYPE=2,                                              X
               DISCNT=NO,                                             X
               ADDR=C1,                                               X
               MAXDATA=265         MAX DATA FOR PIU
T0103502 LU    LOCADDR=2,                                             X
               PACING=1,                                              X
               DLOGMOD=T3278M1,                                       X
               ISTATUS=INACTIVE
T0103503 LU    LOCADDR=3,                                             X
               PACING=1,                                              X
               DLOGMOD=T3278M2,                                       X
               ISTATUS=INACTIVE
```

```
T0103504 LU     LOCADDR=4,                                              X
                PACING=1,                                               X
                DLOGMOD=T3278M3,                                        X
                ISTATUS=INACTIVE
T0103505 LU     LOCADDR=5,                                              X
                PACING=1,                                               X
                DLOGMOD=T3278M4,                                        X
                ISTATUS=INACTIVE
T0103506 LU     LOCADDR=6,                                              X
                DLOGMOD=SCS3278,    DEFAULT LOG MODE                    X
                PACING=1,                                               X
                ISTATUS=INACTIVE
*************************************************************************
***  TPNS SNA CLUSTERS ON LINE 35                                     ***
*************************************************************************
* PU 1 *
********
P010351 PU      PUTYPE=2,                                               X
                ADDR=C2,                                                X
                MAXDATA=265,                                            X
                DISCNT=NO,                                              X
                MAXOUT=7,                                               X
                ISTATUS=INACTIVE,                                       X
                PASSLIM=7
T0103511 LU     LOCADDR=2,PACING=1
T0103512 LU     LOCADDR=3,PACING=1
T0103513 LU     LOCADDR=4,PACING=1
T0103514 LU     LOCADDR=5,PACING=1
T0103515 LU     LOCADDR=6,PACING=1
T0103516 LU     LOCADDR=7,PACING=1
T0103517 LU     LOCADDR=8,PACING=1
T0103518 LU     LOCADDR=9,PACING=1
T0103519 LU     LOCADDR=10,PACING=1
T010351A LU     LOCADDR=11,PACING=1
*******
* PU 2*
*******
P010352 PU      PUTYPE=2,                                               X
                ADDR=C3,                                                X
                MAXDATA=265,                                            X
                DISCNT=NO,                                              X
                MAXOUT=7,                                               X
                ISTATUS=INACTIVE,                                       X
                PASSLIM=7
T0103521 LU     LOCADDR=2,PACING=1
T0103522 LU     LOCADDR=3,PACING=1
T0103523 LU     LOCADDR=4,PACING=1
T0103524 LU     LOCADDR=5,PACING=1
T0103525 LU     LOCADDR=6,PACING=1
T0103526 LU     LOCADDR=7,PACING=1
T0103527 LU     LOCADDR=8,PACING=1
T0103528 LU     LOCADDR=9,PACING=1
T0103529 LU     LOCADDR=10,PACING=1
T010352A LU     LOCADDR=11,PACING=1
```

```
*******
* PU 3*
*******
P010353 PU      PUTYPE=2,                                                X
                ADDR=C4,                                                 X
                MAXDATA=265,                                             X
                DISCNT=NO,                                               X
                MAXOUT=7,                                                X
                ISTATUS=INACTIVE,                                        X
                PASSLIM=7
T0103531 LU     LOCADDR=2,PACING=1
T0103532 LU     LOCADDR=3,PACING=1
T0103533 LU     LOCADDR=4,PACING=1
T0103534 LU     LOCADDR=5,PACING=1
T0103535 LU     LOCADDR=6,PACING=1
T0103536 LU     LOCADDR=7,PACING=1
T0103537 LU     LOCADDR=8,PACING=1
T0103538 LU     LOCADDR=9,PACING=1
T0103539 LU     LOCADDR=10,PACING=1
T010353A LU     LOCADDR=11,PACING=1

************************************************************************
******   LINE 36 - WHITE CLUSTER, 3275, BSC                        ******
************************************************************************
G0136    GROUP LNCTL=BSC,           LINE CONTROL BSC                     X
               ISTATUS=INACTIVE,                                         X
               RETRIES=10,         ERP RETRY LIMIT                      X
               INBFRS=(1,2),       MIN,MAX READ BUFFERS                 X
               SERVLIM=6,          DATA POLL/CONTACT POLL CYCLES        X
               MODETAB=MT3274C,                                          X
               DLOGMOD=S3270       DEFAULT LOG MODE
L01036   LINE  ADDRESS=036
***********
* 3271    *
***********
P010360  CLUSTER CUTYPE=3271,                                            X
                GPOLL=C1
T0103601 TERMINAL TERM=3277,       TERMINAL TYPE                         X
                ADDR=40,                                                 X
                LOGAPPL=CICSDOS,   LOGON TO CICSDOS                      X
                FEATUR2=MODEL2
T0103602 TERMINAL TERM=3277,       TERMINAL TYPE                         X
                ADDR=C1,FEATUR2=MODEL2
T0103603 TERMINAL TERM=3286,       TERMINAL TYPE                         X
                ADDR=C2
***********
*  3275   *
***********
P010361  CLUSTER CUTYPE=3275,GPOLL=40,                                   X
                ISTATUS=INACTIVE
T0103611 TERMINAL TERM=3275,ADDR=40,                                     X
                ISTATUS=INACTIVE,                                        X
                FEATUR2=PRINTR
************************************************************************
```

```
*******            TPNS DEVICES, 30 BSC LUS                        *******
*************************************************************************
P010362  CLUSTER CUTYPE=3271,                                             X
               GPOLL=C2
T0103621 TERMINAL TERM=3277,ADDR=40,FEATUR2=MODEL2
T0103622 TERMINAL TERM=3277,ADDR=C1,FEATUR2=MODEL2
T0103623 TERMINAL TERM=3277,ADDR=C2,FEATUR2=MODEL2
T0103624 TERMINAL TERM=3277,ADDR=C3,FEATUR2=MODEL2
T0103625 TERMINAL TERM=3277,ADDR=C4,FEATUR2=MODEL2
T0103626 TERMINAL TERM=3277,ADDR=C5,FEATUR2=MODEL2
T0103627 TERMINAL TERM=3277,ADDR=C6,FEATUR2=MODEL2
T0103628 TERMINAL TERM=3277,ADDR=C7,FEATUR2=MODEL2
T0103629 TERMINAL TERM=3277,ADDR=C8,FEATUR2=MODEL2
T010362A TERMINAL TERM=3277,ADDR=C9,FEATUR2=MODEL2
P010363  CLUSTER CUTYPE=3271,                                             X
               GPOLL=C3
T0103631 TERMINAL TERM=3277,ADDR=40,FEATUR2=MODEL2
T0103632 TERMINAL TERM=3277,ADDR=C1,FEATUR2=MODEL2
T0103633 TERMINAL TERM=3277,ADDR=C2,FEATUR2=MODEL2
T0103634 TERMINAL TERM=3277,ADDR=C3,FEATUR2=MODEL2
T0103635 TERMINAL TERM=3277,ADDR=C4,FEATUR2=MODEL2
T0103636 TERMINAL TERM=3277,ADDR=C5,FEATUR2=MODEL2
T0103637 TERMINAL TERM=3277,ADDR=C6,FEATUR2=MODEL2
T0103638 TERMINAL TERM=3277,ADDR=C7,FEATUR2=MODEL2
T0103639 TERMINAL TERM=3277,ADDR=C8,FEATUR2=MODEL2
T010363A TERMINAL TERM=3277,ADDR=C9,FEATUR2=MODEL2
P010364  CLUSTER CUTYPE=3271,                                             X
               GPOLL=C4
T0103641 TERMINAL TERM=3277,ADDR=40,FEATUR2=MODEL2
T0103642 TERMINAL TERM=3277,ADDR=C1,FEATUR2=MODEL2
T0103643 TERMINAL TERM=3277,ADDR=C2,FEATUR2=MODEL2
T0103644 TERMINAL TERM=3277,ADDR=C3,FEATUR2=MODEL2
T0103645 TERMINAL TERM=3277,ADDR=C4,FEATUR2=MODEL2
T0103646 TERMINAL TERM=3277,ADDR=C5,FEATUR2=MODEL2
T0103647 TERMINAL TERM=3277,ADDR=C6,FEATUR2=MODEL2
T0103648 TERMINAL TERM=3277,ADDR=C7,FEATUR2=MODEL2
T0103649 TERMINAL TERM=3277,ADDR=C8,FEATUR2=MODEL2
T010364A TERMINAL TERM=3277,ADDR=C9,FEATUR2=MODEL2
```

SNAH011 DEFINITIONS (LOCAL SNA MAJOR NODE)

```
*************************************************************************
*         LOCAL SNA MAJOR NODE                                          *
*  LOCADDR 2 - 5                                                        *
*************************************************************************
SNALOC   VBUILD TYPE=LOCAL
P010B70  PU     CUADDR=0B7,PUTYPE=2,                                      X
                ISTATUS=ACTIVE,DISCNT=(NO),PACING=1,VPACING=1,            X
                SSCPFM=USSSCS,MAXBFRU=1,MODETAB=MT3274C
```

```
T010B702 LU     LOCADDR=02,ISTATUS=ACTIVE,LOGAPPL=CICSDOS,              X
                DLOGMOD=T3278M2
T010B703 LU     LOCADDR=03,ISTATUS=INACTIVE,DLOGMOD=T3278M3
T010B704 LU     LOCADDR=04,ISTATUS=INACTIVE,DLOGMOD=T3278M4
T010B705 LU     LOCADDR=05,ISTATUS=INACTIVE,DLOGMOD=EMU3270
T010B706 LU     LOCADDR=06,ISTATUS=INACTIVE,DLOGMOD=SCS3287
```

H011 (LOCAL NON-SNA MAJOR NODE)

```
*************************************************************************
*          LOCAL NON-SNA MAJOR NODE                                     *
*************************************************************************
         LBUILD
T010B101 LOCAL CUADDR=0B1,                                              X
               TERM=3277,                                               X
               FEATUR2=MODEL2,                                          X
               DLOGMOD=S3270,ISTATUS=ACTIVE,LOGAPPL=CICSDOS
T010B202 LOCAL CUADDR=0B2,                                              X
               TERM=3277,                                               X
               FEATUR2=MODEL2,                                          X
               DLOGMOD=S3270,ISTATUS=INACTIVE
T010B303 LOCAL CUADDR=0B3,                                              X
               TERM=3277,                                               X
               FEATUR2=MODEL2,                                          X
               DLOGMOD=S3270,ISTATUS=INACTIVE
T010B404 LOCAL CUADDR=0B4,                                              X
               TERM=3277,                                               X
               FEATUR2=MODEL2,                                          X
               DLOGMOD=S3270,ISTATUS=INACTIVE
```

LOC520 DEFINITIONS (LOCAL SUBAREA NODE)

```
         LBUILD SUBAREA=9
LOC520   LOCAL CUADDR=082,TERM=3277,FEATUR2=(MODEL2,ANKEY,PFK),         X
               ISTATUS=INACTIVE,DLOGMOD=IBMS3270,MODETAB=ISTINCLM
```

ATCSTR04 (START PARAMETERS)

```
HOSTSA=1,                                                               X
MAXSUBA=15,                                                             X
SSCPID=1,                                                               X
MAXAPPL=10,                                                             X
```

```
ITLIM=0,                                                        X
SUPP=NOSUP,                                                     X
CONFIG=03,                                                      X
VTAMEAS=10,                                                     X
LFBUF=(8,316,2,1,3),                                            X
LPBUF=(15,810,0,1,1),                                           X
SFBUF=(10,307,0,1,1),                                           X
SPBUF=(25,167,0,1,1),                                           X
WPBUF=(10,144,0,1,1),                                           X
VFBUF=14336,                                                    X
VPBUF=204800,                                                   X
UECBUF=(25,100,0,0,1),                                          X
TRACE,TYPE=VTAM,OPTION=ALL,SIZE=10
```

ATCCON03 (CONFIGURATION LIST)

```
A011,H011,SNAH011,CA012
```

A011 (APPLICATIONS LIST)

```
   VBUILD TYPE=APPL
CICSDOS   APPL  ACBNAME=CICSDOS,AUTH=(ACQ,PASS),EAS=400,PARSESS=NO
SNA4APPL  APPL  ACBNAME=SNA4APPL,AUTH=(NOACQ),EAS=400,PARSESS=YES
POWER     APPL  ACBNAME=POWER,AUTH=(NOACQ),EAS=10,PARSESS=NO
APPL4     APPL  ACBNAME=APPL4,AUTH=(NOACQ),EAS=400,PARSESS=YES
```

NCPM80 DEFINITIONS

```
*************************************************************************
**   THE FOLLOWING DEFINITIONS ARE FOR AN MVS/ACF/VTAM SYSTEM.         *
*************************************************************************

HPCCU1   PCCU  CUADDR=0C7,                                              X
               AUTOIPL=NO,                                              X
               AUTOSYN=YES,                                             X
               BACKUP=NO,                                               X
               DUMPDS=VTAMDUMP,                                         X
               MAXDATA=4096,                                            X
               SUBAREA=04

HPCCU2   PCCU  CUADDR=0C8,                                              X
               AUTOIPL=NO,                                              X
               AUTOSYN=YES,                                             X
               BACKUP=NO,                                               X
               DUMPDS=VTAMDUMP,                                         X
               MAXDATA=4096,                                            X
               SUBAREA=05

H001     BUILD MAXSUBA=15,                                              X
               MEMSIZE=256,          NCP MODULE                        X
               SUBAREA=09,           APPEARS IN CID AS F8 (HEX),NUM 8  X
               TYPGEN=NCP,           GEN OF NCP WITHOUT REMOTE SUPPORT X
               ABEND=YES,            FULL SOFTWARE CHECKING FACILITIES X
               ANS=YES,              NCP CONFIG RESTART SUPPORT        X
               ASMXREF=YES,                                            X
               BFRS=60,              BUFFER SIZE TO BE GENED           X
               CA=(TYPE4,TYPE4,TYPE4),    PHYSICAL LOC OF THE ADAPTERS X
               CATRACE=(YES,10),                                       X
               NCPCA=(ACTIVE,ACTIVE,INACTIVE),    CHANNEL ADAPTER 4    X
               DIALTO=60,                                              X
               DR3270=YES,                                             X
               DSABLTO=3.0,                                            X
               ENABLTO=2.2,                                            X
               ERASE=NO,                                               X
               ITEXTTO=NONE,                                           X
               JOBCARD=MULTI,                                          X
               LTRACE=8,                                               X
               MAXSSCP=4,                                              X
               MODEL=3705-2,                                           X
               NEWNAME=NCPM80,       NAME OF NCP LOAD MODULE           X
               OBJQUAL=N9,                                             X
               OLT=YES,              ONLINE TERMINAL TEST              X
               PARTIAL=NO,                                             X
               PWROFF=NO,                                              X
               REMLOAD=YES,                                            X
               RESOEXT=120,                                            X
               SLODOWN=12,           BUFFER SLOWDOWN THRESHOLD (PERCENT) X
               TRACE=(YES,50),       ADDRESS TRACE OPTION IN CORE TABLE X
               PNLTEST=YES,                                            X
```

```
                TYPSYS=OS,          NCP TO BE GENERATED ON OS          X
                LOADLIB=NCPLOAD,                                       X
                OBJLIB=NCPOBJ,                                         X
                QUALIFY=SYS1,                                          X
                USERLIB=NCPOBJ,                                        X
                UNIT=SYSDA

          SYSCNTRL OPTIONS=(SESSION,ENDCALL,MODE,RCNTRL,RCOND,RECMD,RIMM*
                ,XMTLMT,SSPAUSE,NAKLIM,BHSASSC,STORDSP)

HCSB1     CSB   SPEED=(150,600,1200,2400),          OSCILLATORS         X
                MOD=0,              BASE MODULE                        X
                TYPE=TYPE3          MAXI CSB  LINES 020-03F

HCSB2     CSB   SPEED=(74,110,134,2400),          OSCILLATORS           X
                MOD=1,              FIRST EXPANSION MODULE             X
                TYPE=TYPE2          MAXI CSB  LINES 0A0-0FF

HCSB3     CSB   SPEED=(150,600,1200,2400),          OSCILLATORS         X
                MOD=2,              SECOND EXPANSION MODULE            X
                TYPE=TYPE3          MAXI CSB LINES 120-15F

SNA40S1   HOST  MAXBFRU=32,         MINIMUM HOST BUFFER ALLOCATION      X
                UNITSZ=128,         SIZE OF DATA PORTION OF HOST BUFFER X
                BFRPAD=0,           VTAM BUFFER PAD REQUIREMENT (TSC)   X
                SUBAREA=04,         SUBAREA NUMBER OF THE OWNER         X
                INBFRS=6,           NCP BUFS ALLOC FOR READ FROM HOST   X
                STATMOD=YES,        STATUS MODIFIER                     X
                DELAY=0.2,          NCP DELAY BEFORE ATTN ISSUE         X
                TIMEOUT=420         7 MIN FROM ATTN TO ANS ENTRY

SNA40S2   HOST  MAXBFRU=32,         MINIMUM HOST BUFFER ALLOCATION      X
                UNITSZ=128,         SIZE OF DATA PORTION OF HOST BUFFER X
                BFRPAD=0,           VTAM BUFFER PAD REQUIREMENT (TSC)   X
                SUBAREA=05,         SUBAREA NUMBER OF THE OWNER         X
                INBFRS=6,           NCP BUFS ALLOC FOR READ FROM HOST   X
                STATMOD=YES,        STATUS MODIFIER                     X
                DELAY=0.2,          NCP DELAY BEFORE ATTN ISSUE         X
                TIMEOUT=420         7 MIN FROM ATTN TO ANS ENTRY

HPATH8    PATH  ADJSUB=8,DESTSUB=(1,2,3,7)
HLUP3     LUPOOL NUMBER=20
HPUDRPL1  PUDRPOOL NUMBER=16,MAXLU=10
HLUDRPL1  LUDRPOOL NUMTYP1=12,NUMTYP2=12


*************************************************************
*                                                           *
*                  DEFINITIONS - LEASED BSC LINES           *
*                                                           *
*************************************************************

HGROUP9   GROUP DIAL=NO,LNCTL=BSC,TYPE=NCP,DLOGMOD=(S3270),USSTAB=HELLO,X
```

```
                MODETAB=LM3270M2,SSCPFM=USS3270,PU=YES,SPAN=(D2GLOBAL)

HI1D09    LINE  ADDRESS=0D5,DUPLEX=FULL,POLIMIT=(20,QUEUE),              X
                CUTYPE=3271,ISTATUS=ACTIVE,                              X
                SPEED=2400,CLOCKNG=EXT,POLLED=YES,                       X
                SESSION=6,NEWSYNC=YES,     ALLOW I/O INTERLEAVING        X
                XMITLIM=1,SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
          SERVICE ORDER=(H3270AW,HT3277AW,HT3277BW,HT3286AW,H3275AW,HT32X
                75AW)
H3270AW   CLUSTER CUTYPE=3271,GPOLL=C1C17F7F,ISTATUS=ACTIVE,             X
                SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
HT3277AW  TERMINAL TERM=3277,ADDR=61614040,POLL=C1C14040,                X
                FEATUR2=MODEL2,SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HT3277BW  TERMINAL TERM=3277,ADDR=6161C1C1,POLL=C1C1C1C1,                X
                FEATUR2=MODEL2,SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HT3286AW  TERMINAL TERM=3286,ADDR=6161C2C2,POLL=C1C1C2C2,FEATUR2=MODEL2,X
                DLCGMOD=SPRTM2,                                          X
                SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
H3275AW   CLUSTER CUTYPE=3275,GPOLL=40407F7F,BFRDLAY=60,                 X
                ISTATUS=INACTIVE,                                        X
                SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
HT3275AW  TERMINAL TERM=3275,ADDR=60604040,POLL=40404040,                X
                FEATUR2=PRINTR,ISTATUS=ACTIVE,                           X
                SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)

HL1D12    LINE  ADDRESS=0DD,DUPLEX=FULL,POLIMIT=(20,QUEUE),              X
                CUTYPE=3271,ISTATUS=INACTIVE,                            X
                SPEED=2400,CLOCKNG=EXT,POLLED=YES,                       X
                SESSION=6,NEWSYNC=YES,     ALLOW I/O INTERLEAVING        X
                XMITLIM=1,SPAN=(D2GLOBAL,D2CICS,D2TSO)
          SERVICE ORDER=(HCNDSJW,HTNDSJAW,HTNDSJBW,HTNDSJCW,H3275JW,HT32X
                75JW)
HCNDSJW   CLUSTER CUTYPE=3271,GPOLL=C1C17F7F,ISTATUS=INACTIVE,           X
                SPAN=(D2GLOBAL,D2TSO,D2CICS)
HTNDSJAW  TERMINAL TERM=3277,ADDR=61614040,POLL=C1C14040,                X
                FEATUR2=MODEL2,ISTATUS=INACTIVE,SPAN=(D2GLOBAL,D2TSO)
HTNDSJBW  TERMINAL TERM=3277,ADDR=6161C1C1,POLL=C1C1C1C1,                X
                FEATUR2=MODEL2,ISTATUS=INACTIVE,SPAN=(D2GLOBAL,D2CICS)
HTNDSJCW  TERMINAL TERM=3286,ADDR=6161C2C2,POLL=C1C1C2C2,                X
                FEATUR2=MODEL2,ISTATUS=INACTIVE,DLOGMOD=SPRTM2,          X
                SPAN=(D2GLOBAL,D2TSO,D2CICS)
H3275JW   CLUSTER CUTYPE=3275,GPOLL=40407F7F,BFRDLAY=60,                 X
                ISTATUS=INACTIVE,SPAN=(D2GLOBAL,D2TSO)
HT3275JW  TERMINAL TERM=3275,ADDR=60604040,POLL=40404040,                X
                FEATUR2=PRINTR,ISTATUS=INACTIVE,SPAN=(D2GLOBAL,D2TSO)

HL1D13    LINE  ADDRESS=0DE,DUPLEX=FULL,POLIMIT=(20,QUEUE),              X
                CUTYPE=3271,ISTATUS=ACTIVE,                              X
                SPEED=2400,CLOCKNG=EXT,POLLED=YES,                       X
                SESSION=4,NEWSYNC=YES,     ALLOW I/O INTERLEAVING        X
                XMITLIM=1,SPAN=(D2GLOBAL,D2TSO,D2CICS)
          SERVICE ORDER=(H3270AO,HT3277AO,HT3277BO,HT3286AO)
H3270AO   CLUSTER CUTYPE=3271,GPOLL=C1C17F7F,ISTATUS=ACTIVE,             X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
```

```
HT3277AC TERMINAL TERM=3277,ADDR=61614040,POLL=C1C14040,                X
               FEATUR2=MODEL2,SPAN=(D2GLOBAL,D2TSO)
HT3277BO TERMINAL TERM=3277,ADDR=6161C1C1,POLL=C1C1C1C1,                X
               FEATUR2=MODEL2,SPAN=(D2GLOBAL,D2CICS)
HT3286AO TERMINAL TERM=3286,ADDR=6161C2C2,POLL=C1C1C2C2,FEATUR2=MODEL2,X
               DLCGMOD=SPRTM2,SPAN=(D2GLOBAL,D2CICS)

HL1D14   LINE  ADDRESS=0DF,DUPLEX=FULL,POLIMIT=(20,QUEUE),              X
               CUTYPE=3271,ISTATUS=INACTIVE,                            X
               SPEED=2400,CLOCKNG=EXT,POLLED=YES,                       X
               SESSION=4,NEWSYNC=YES,     ALLOW I/O INTERLEAVING        X
               XMITLIM=1,SPAN=(D2GLOBAL,D2TSO,D2CICS)
         SERVICE ORDER=(HCNDSJO,HTNDSJAO,HTNDSJBO,HTNDSJCO)
HCNDSJO  CLUSTER CUTYPE=3271,GPOLL=C1C17F7F,ISTATUS=INACTIVE,            X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTNDSJAO TERMINAL TERM=3277,ADDR=61614040,POLL=C1C14040,                 X
               FEATUR2=MODEL2,ISTATUS=INACTIVE,SPAN=(D2GLOBAL,D2TSO)
HTNDSJBO TERMINAL TERM=3277,ADDR=6161C1C1,POLL=C1C1C1C1,                 X
               FEATUR2=MODEL2,ISTATUS=INACTIVE,SPAN=(D2GLOBAL,D2CICS)
HTNDSJCO TERMINAL TERM=3286,ADDR=6161C2C2,POLL=C1C1C2C2,FEATUR2=MODEL2,X
               ISTATUS=INACTIVE,DLOGMOD=SPRTM2,SPAN=(D2GLOBAL)

HL1D11   LINE  ADDRESS=028,DUPLEX=FULL,POLIMIT=(20,QUEUE),              X
               CUTYPE=3271,ISTATUS=ACTIVE,                              X
               TYPE=NCP,USE=NCP,                                        X
               SPEED=2400,CLOCKNG=EXT,POLLED=YES,                       X
               SESSION=6,NEWSYNC=YES,     ALLOW I/O INTERLEAVING        X
               XMITLIM=1,SPAN=(D2GLOBAL,D2CICS,D2TSO)
         SERVICE ORDER=(HCNDSC,HT1920C,HT2560C,HT3440C,HTMOD5C,HTPRTC)
HCNDSC   CLUSTER CUTYPE=3271,GPOLL=40407F7F,ISTATUS=INACTIVE,            X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HT1920C  TERMINAL TERM=3277,ADDR=60604040,POLL=40404040,                 X
               FEATUR2=MODEL2,BUFLIM=6,MODETAB=LM3270M2,DLOGMOD=S1920,  X
               SPAN=(D2GLOBAL,D2CICS)
HT2560C  TERMINAL TERM=3277,ADDR=6060C1C1,POLL=4040C1C1,                 X
               FEATUR2=MODEL2,BUFLIM=6,MODETAB=LM3270M3,DLOGMOD=S2560,  X
               SPAN=(D2GLOBAL,D2TSO)
HT3440C  TERMINAL TERM=3277,ADDR=6060C2C2,POLL=4040C2C2,                 X
               FEATUR2=MODEL2,BUFLIM=6,MODETAB=LM3270M4,DLOGMOD=S3440,  X
               SPAN=(D2GLOBAL,D2CICS)
HTMOD5C  TERMINAL TERM=3277,ADDR=6060C3C3,POLL=4040C3C3,                 X
               FEATUR2=MODEL2,BUFLIM=6,MODETAB=LM3270M5,DLOGMOD=S3564,  X
               SPAN=(D2GLOBAL,D2TSO)
HTPRTC   TERMINAL TERM=3286,ADDR=6060C4C4,POLL=4040C4C4,FEATUR2=MODEL2,X
               BUFLIM=6,MODETAB=LMPRTM2,DLOGMOD=SPRTM2,                 X
               SPAN=(D2GLOBAL,D2TSO)


*************************************************************
*                                                           *
*          TPNS BSC LINES                                   *
*                                                           *
*************************************************************
```

```
HGROUP15 GROUP CLOCKNG=EXT,TYPE=NCP,CODE=EBCDIC,CUTYPE=3271,          X
               DIAL=NO,DUPLEX=FULL,LNCTL=BSC,NEGPOLP=1,PAUSE=1,       X
               POLLED=YES,POLIMIT=(5,QUEUE),REPLYTO=60,               X
               RETRIES=7,SERVLIM=12,SESSION=10,SPEED=2400,            X
               TERM=3277,WACKCNT=255,XMITLIM=1,                       X
               DLOGMOD=(S3270),SPAN=(D2GLOBAL)

HL1D15   LINE  ADDRESS=144,ISTATUS=INACTIVE,                          X
               SPAN=(D2GLOBAL,D2TSO,D2CICS,D2TSOXD,D1CICSXD)
         SERVICE ORDER=(HTPNS40,HTPNS401,HTPNS402,HTPNS403,HTPNS404,HTPX
               NS405,HTPNS41,HTPNS411,HTPNS412,HTPNS413,HTPNS414,HTPNS4X
               15)
HTPNS40  CLUSTER GPOLL=40407F7F,ISTATUS=INACTIVE,                     X
               SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
HTPNS401 TERMINAL POLL=40404040,ADDR=60604040,                        X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNS402 TERMINAL POLL=4040C1C1,ADDR=6060C1C1,                        X
               SPAN=(D2GLOBAL,D2CICS,D2CICSXD)
HTPNS403 TERMINAL POLL=4040C2C2,ADDR=6060C2C2,                        X
               SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
HTPNS404 TERMINAL POLL=4040C3C3,ADDR=6060C3C3,                        X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNS405 TERMINAL POLL=4040C4C4,ADDR=6060C4C4,                        X
               SPAN=(D2GLOBAL,D2CICS,D2CICSXD)
HTPNS41  CLUSTER GPOLL=C1C17F7F,ISTATUS=INACTIVE,                     X
               SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
HTPNS411 TERMINAL POLL=C1C14040,ADDR=61614040,                        X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNS412 TERMINAL POLL=C1C1C1C1,ADDR=6161C1C1,                        X
               SPAN=(D2GLOBAL,D2CICS,D2CICSXD)
HTPNS413 TERMINAL POLL=C1C1C2C2,ADDR=6161C2C2,                        X
               SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
HTPNS414 TERMINAL POLL=C1C1C3C3,ADDR=6161C3C3,                        X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNS415 TERMINAL POLL=C1C1C4C4,ADDR=6161C4C4,                        X
               SPAN=(D2GLOBAL,D2CICS,D2CICSXD)

HL1D16   LINE  ADDRESS=145,ISTATUS=INACTIVE,                          X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
         SERVICE ORDER=(HTPNS50,HTPNS501,HTPNS502,HTPNS503,HTPNS504,HTPX
               NS505,HTPNS51,HTPNS511,HTPNS512,HTPNS513,HTPNS514,HTPNS5X
               15)
HTPNS50  CLUSTER GPOLL=40407F7F,ISTATUS=INACTIVE,                     X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS501 TERMINAL POLL=40404040,ADDR=60604040,                        X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS502 TERMINAL POLL=4040C1C1,ADDR=6060C1C1,                        X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS503 TERMINAL POLL=4040C2C2,ADDR=6060C2C2,                        X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS504 TERMINAL POLL=4040C3C3,ADDR=6060C3C3,                        X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS505 TERMINAL POLL=4040C4C4,ADDR=6060C4C4,                        X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
```

```
HTPNS51  CLUSTER GPOLL=C1C17F7F,ISTATUS=INACTIVE,                      X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS511 TERMINAL POLL=C1C14040,ADDR=61614040,                         X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS512 TERMINAL POLL=C1C1C1C1,ADDR=6161C1C1,                         X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS513 TERMINAL POLL=C1C1C2C2,ADDR=6161C2C2,                         X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS514 TERMINAL POLL=C1C1C3C3,ADDR=6161C3C3,                         X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS515 TERMINAL POLL=C1C1C4C4,ADDR=6161C4C4,                         X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)

HL1D17   LINE  ADDRESS=146,ISTATUS=INACTIVE,                           X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
         SERVICE ORDER=(HTPNS60,HTPNS601,HTPNS602,HTPNS603,HTPNS604,HTPX
               NS605,HTPNS61,HTPNS611,HTPNS612,HTPNS613,HTPNS614,HTPNS6X
               15)
HTPNS60  CLUSTER GPOLL=40407F7F,ISTATUS=INACTIVE,                      X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS601 TERMINAL POLL=40404040,ADDR=60604040,                         X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS602 TERMINAL POLL=4040C1C1,ADDR=6060C1C1,                         X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS603 TERMINAL POLL=4040C2C2,ADDR=6060C2C2,                         X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS604 TERMINAL POLL=4040C3C3,ADDR=6060C3C3,                         X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS605 TERMINAL POLL=4040C4C4,ADDR=6060C4C4,                         X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS61  CLUSTER GPOLL=C1C17F7F,ISTATUS=INACTIVE,                      X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS611 TERMINAL POLL=C1C14040,ADDR=61614040,                         X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS612 TERMINAL POLL=C1C1C1C1,ADDR=6161C1C1,                         X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS613 TERMINAL POLL=C1C1C2C2,ADDR=6161C2C2,                         X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS614 TERMINAL POLL=C1C1C3C3,ADDR=6161C3C3,                         X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS615 TERMINAL POLL=C1C1C4C4,ADDR=6161C4C4,                         X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)

HL1D18   LINE  ADDRESS=147,ISTATUS=INACTIVE,                           X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
         SERVICE ORDER=(HTPNS70,HTPNS701,HTPNS702,HTPNS703,HTPNS704,HTPX
               NS705,HTPNS71,HTPNS711,HTPNS712,HTPNS713,HTPNS714,HTPNS7X
               15)
HTPNS70  CLUSTER GPOLL=40407F7F,ISTATUS=INACTIVE,                      X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS701 TERMINAL POLL=40404040,ADDR=60604040,                         X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS702 TERMINAL POLL=4040C1C1,ADDR=6060C1C1,                         X
               SPAN=(D2GLOBAL,D2TSO)
```

```
HTPNS703 TERMINAL POLL=4040C2C2,ADDR=6060C2C2,                          X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS704 TERMINAL POLL=4040C3C3,ADDR=6060C3C3,                          X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS705 TERMINAL POLL=4040C4C4,ADDR=6060C4C4,                          X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS71  CLUSTER GPOLL=C1C17F7F,ISTATUS=INACTIVE,                       X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS711 TERMINAL POLL=C1C14040,ADDR=61614040,                          X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS712 TERMINAL POLL=C1C1C1C1,ADDR=6161C1C1,                          X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS713 TERMINAL POLL=C1C1C2C2,ADDR=6161C2C2,                          X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS714 TERMINAL POLL=C1C1C3C3,ADDR=6161C3C3,                          X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS715 TERMINAL POLL=C1C1C4C4,ADDR=6161C4C4,                          X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)


*********************************************************************
*       LOCAL TO LOCAL LINK DEFINITIONS                             *
*********************************************************************

HGROUP32 GROUP LNCTL=SDLC,TYPE=NCP,DIAL=NO,POLLED=YES,NRZI=NO,          X
               CLOCKNG=EXT,SPEED=2400,DUPLEX=FULL,RETRIES=16,           X
               TRANSFR=255,ANS=CONT,SPAN=(D2GLOBAL)

HLINK6   LINE  ADDRESS=(0BA,0BB),SPAN=(D2GLOBAL)
         SERVICE ORDER=(H37056)
H37056   PU    ADDR=C1,PUTYPE=(4,LOCAL),IRETRY=YES,SUBAREA=8,           X
               SPAN=(D2GLOBAL)

HBKLK6A  LINE  ADDRESS=(03A,03B),ISTATUS=INACTIVE,SPAN=(D2GLOBAL)
         SERVICE ORDER=(HBKPU6A)
HBKPU6A  PU    PUTYPE=(4,LOCAL),SPAN=(D2GLOBAL)


*********************************************************
*                                                       *
*           4331 LINK DEFINITION                        *
*                                                       *
*********************************************************

HGROUP33 GROUP LNCTL=SDLC,DIAL=NO,POLLED=YES,ACTIVTO=60.0,              X
               CLOCKNG=EXT,DUPLEX=FULL,SPEED=2400,SPAN=(D2GLOBAL)

HLINKE   LINE  ADDRESS=0DC,NRZI=NO,TRANSFR=255,RETRIES=16,              X
               SPAN=(D2GLOBAL)
         SERVICE ORDER=(H3705E)
H3705E   PU    PUTYPE=(4,LOCAL),ANS=CONT,SUBAREA=10,ADDR=C1,IRETRY=YES,X
               SPAN=(D2GLOBAL)
```

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*************************************************************************
*     SDLC 3270                                                         *
*************************************************************************

HGROUP27 GROUP CLOCKNG=EXT,TYPE=NCP,DIAL=NO,DUPLEX=FULL,                X
               IRETRY=NO,LNCTL=SDLC,MAXDATA=261,MAXOUT=1,                X
               ISTATUS=INACTIVE,REPLYTO=60,PAUSE=1,                      X
               PACING=(1,1),PASSLIM=1,POLLED=YES,PUTYPE=1,               X
               BNNSUP=3270,SSCPFM=USS3270,SPEED=2400,VPACING=0,          X
               MAXPU=3,MAXLU=10,ANS=CONT,SPAN=(D2GLOBAL)

HSDLC48  LINE  ADDRESS=148,NRZI=YES,ISTATUS=INACTIVE,                    X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
         SERVICE ORDER=(HTPNS80,HTPNS81),MAXLIST=3
HTPNS80  PU    ADDR=C1,ISTATUS=INACTIVE,                                 X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
HTPNS800 LU    LOCADDR=0,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HTPNS801 LU    LOCADDR=1,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNS802 LU    LOCADDR=2,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HTPNS803 LU    LOCADDR=3,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNS804 LU    LOCADDR=4,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)

HSDLC48  LINE  ADDRESS=148,NRZI=YES,ISTATUS=INACTIVE,                    X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS81  PU    ADDR=C2,ISTATUS=INACTIVE,                                 X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS810 LU    LOCADDR=0,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS811 LU    LOCADDR=1,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS812 LU    LOCADDR=2,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS813 LU    LOCADDR=3,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS814 LU    LOCADDR=4,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)

HSDLC49  LINE  ADDRESS=149,NRZI=NO,ISTATUS=INACTIVE,                     X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
         SERVICE ORDER=(HTPNS90,HTPNS91),MAXLIST=3
HTPNS90  PU    ADDR=C1,ISTATUS=INACTIVE,                                 X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS900 LU    LOCADDR=0,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS901 LU    LOCADDR=1,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS)
HTPNS902 LU    LOCADDR=2,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO)
HTPNS903 LU    LOCADDR=3,ISTATUS=INACTIVE,                               X
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                SPAN=(D2GLOBAL,D2CICS)
HTPNS904 LU     LOCADDR=4,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS91  PU     ADDR=C2,ISTATUS=INACTIVE,                                X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNS910 LU     LOCADDR=0,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNS911 LU     LOCADDR=1,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNS912 LU     LOCADDR=2,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNS913 LU     LOCADDR=3,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNS914 LU     LOCADDR=4,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)

HSDLC4A  LINE   ADDRESS=14A,NRZI=YES,ISTATUS=INACTIVE,                   X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
        SERVICE ORDER=(HTPNSA0,HTPNSA1),MAXLIST=3
HTPNSA0  PU     ADDR=C1,ISTATUS=INACTIVE,                                X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSA00 LU     LOCADDR=0,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSA01 LU     LOCADDR=1,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSA02 LU     LOCADDR=2,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSA03 LU     LOCADDR=3,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSA04 LU     LOCADDR=4,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSA1  PU     ADDR=C2,ISTATUS=INACTIVE,                                X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSA10 LU     LOCADDR=0,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSA11 LU     LOCADDR=1,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSA12 LU     LOCADDR=2,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSA13 LU     LOCADDR=3,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSA14 LU     LOCADDR=4,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)

HSDLC4B  LINE   ADDRESS=14B,NRZI=YES,ISTATUS=INACTIVE,                   X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
        SERVICE ORDER=(HTPNSB0,HTPNSB1),MAXLIST=3
HTPNSB0  PU     ADDR=C1,ISTATUS=INACTIVE,                                X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSB00 LU     LOCADDR=0,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSB01 LU     LOCADDR=1,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSB02 LU     LOCADDR=2,ISTATUS=INACTIVE,                              X
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                SPAN=(D2GLOBAL,D2CICS)
HTPNSB03 LU     LOCADDR=3,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSB04 LU     LOCADDR=4,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSB1  PU     ADDR=C2,ISTATUS=INACTIVE,                                X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSB10 LU     LOCADDR=0,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSB11 LU     LOCADDR=1,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSB12 LU     LOCADDR=2,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSB13 LU     LOCADDR=3,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSB14 LU     LOCADDR=4,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)


*********************************************************************
*     SNA  3270                                                     *
*********************************************************************

HGROUP28 GROUP CLOCKNG=EXT,TYPE=NCP,DIAL=NO,DUPLEX=FULL,                 X
               LNCTL=SDLC,MAXDATA=261,MAXOUT=3,ANS=CONT,                 X
               PASSLIM=10,POLLED=YES,PUTYPE=2,ISTATUS=INACTIVE,          X
               SPEED=2400,PACING=(3,1),REPLYTO=60,PAUSE=1,               X
               BUFLIM=6,VPACING=(3,1),MAXPU=3,MAXLU=11,SPAN=(D2GLOBAL)

HSDLC4C  LINE  ADDRESS=14C,NRZI=YES,ISTATUS=INACTIVE,                    X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
         SERVICE ORDER=(HTPNSC0,HTPNSC1),MAXLIST=3
HTPNSC0  PU    ADDR=C1,ISTATUS=INACTIVE,                                 X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
HTPNSC01 LU    LOCADDR=2,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HTPNSC02 LU    LOCADDR=3,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNSC03 LU    LOCADDR=4,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HTPNSC04 LU    LOCADDR=5,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNSC05 LU    LOCADDR=6,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
HTPNSC1  PU    ADDR=C2,ISTATUS=INACTIVE,                                 X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
HTPNSC11 LU    LOCADDR=2,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HTPNSC12 LU    LOCADDR=3,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HTPNSC13 LU    LOCADDR=4,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HTPNSC14 LU    LOCADDR=5,ISTATUS=INACTIVE,                               X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
```

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HTPNSC15 LU    LOCADDR=6,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)

HSDLC4D  LINE  ADDRESS=14D,NRZI=YES,ISTATUS=INACTIVE,                   X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
         SERVICE ORDER=(HTPNSD0,HTPNSD1),MAXLIST=3
HTPNSD0  PU    ADDR=C1,ISTATUS=INACTIVE,                                X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSD01 LU    LOCADDR=2,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2TSO)
HTPNSD02 LU    LOCADDR=3,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS)
HTPNSD03 LU    LOCADDR=4,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2TSO)
HTPNSD04 LU    LOCADDR=5,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS)
HTPNSD05 LU    LOCADDR=6,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSD1  PU    ADDR=C2,ISTATUS=INACTIVE,                                X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSD11 LU    LOCADDR=2,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2TSO)
HTPNSD12 LU    LOCADDR=3,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS)
HTPNSD13 LU    LOCADDR=4,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2TSO)
HTPNSD14 LU    LOCADDR=5,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS)
HTPNSD15 LU    LOCADDR=6,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)

HSDLC4E  LINE  ADDRESS=14E,NRZI=YES,ISTATUS=INACTIVE,                   X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
         SERVICE ORDER=(HTPNSE0,HTPNSE1),MAXLIST=3
HTPNSE0  PU    ADDR=C1,ISTATUS=INACTIVE,                                X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSE01 LU    LOCADDR=2,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2TSO)
HTPNSE02 LU    LOCADDR=3,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS)
HTPNSE03 LU    LOCADDR=4,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2TSO)
HTPNSE04 LU    LOCADDR=5,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS)
HTPNSE05 LU    LOCADDR=6,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSE1  PU    ADDR=C2,ISTATUS=INACTIVE,                                X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSE11 LU    LOCADDR=2,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2TSO)
HTPNSE12 LU    LOCADDR=3,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2CICS)
HTPNSE13 LU    LOCADDR=4,ISTATUS=INACTIVE,                              X
               SPAN=(D2GLOBAL,D2TSO)
```

```
HTPNSE14 LU     LOCADDR=5,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSE15 LU     LOCADDR=6,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)

HSDLC4F  LINE   ADDRESS=14F,NRZI=YES,ISTATUS=INACTIVE,                   X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
         SERVICE ORDER=(HTPNSF0,HTPNSF1),MAXLIST=3
HTPNSF0  PU     ADDR=C1,ISTATUS=INACTIVE,                                X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSF01 LU     LOCADDR=2,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSF02 LU     LOCADDR=3,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSF03 LU     LOCADDR=4,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSF04 LU     LOCADDR=5,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSF05 LU     LOCADDR=6,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSF1  PU     ADDR=C2,ISTATUS=INACTIVE,                                X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HTPNSF11 LU     LOCADDR=2,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSF12 LU     LOCADDR=3,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSF13 LU     LOCADDR=4,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2TSO)
HTPNSF14 LU     LOCADDR=5,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS)
HTPNSF15 LU     LOCADDR=6,ISTATUS=INACTIVE,                              X
                SPAN=(D2GLOBAL,D2CICS,D2TSO)


************************************************************
*                                                          *
*                DEFINITIONS - HALF  DUPLEX  LINES         *
*                                                          *
************************************************************

HGROUP20 GROUP LNCTL=SDLC,DIAL=NO,TYPE=NCP,POLLED=YES,ANS=CONT,          X
                CLOCKNG=EXT,DUPLEX=FULL,SPEED=2400,MAXLU=10,             X
                SPAN=(D2GLOBAL)

HSDLC21  LINE   ADDRESS=030,NRZI=NO,MAXPU=5,ISTATUS=ACTIVE,              X
                SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
         SERVICE ORDER=(HPU3271,HPU3275A,HPU3767A,HPU3774A,HPU3767B),    X
                MAXLIST=7
HPU3271  PU     PUTYPE=1,ADDR=01,MAXDATA=261,MAXOUT=1,PASSLIM=1,         X
                BNNSUP=3270,SSCPFM=USS3270,DLOGMOD=S3270,USSTAB=HELLO,   X
                SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
HLU3271A LU     PACING=(1,1),VPACING=(4,3),LOCADDR=0,ISTATUS=ACTIVE,     X
                SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HLU3271B LU     PACING=(1,1),VPACING=(4,3),LOCADDR=1,ISTATUS=ACTIVE,     X
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                SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HPU3275A PU     PUTYPE=1,ADDR=02,MAXDATA=261,MAXOUT=1,PASSLIM=1,          X
                BNNSUP=3270,SSCPFM=USS3270,DLOGMOD=S3270,USSTAB=HELLO,    X
                MODETAB=LM3270M2,                                         X
                SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
HLU3275A LU     PACING=(1,1),VPACING=(4,3),LOCADDR=0,                     X
                SPAN=(D2GLOBAL,D2TSO,D2CICS,D1TSOXD,D1CICSXD)
HPU3767A PU     PUTYPE=1,ADDR=03,MAXDATA=261,MAXOUT=1,PASSLIM=1,          X
                USSTAB=HELLO,SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HLU3767A LU     PACING=(1,1),VPACING=(4,3),LOCADDR=0,ISTATUS=ACTIVE,      X
                SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HPU3767B PU     PUTYPE=1,ADDR=04,MAXDATA=261,MAXOUT=1,PASSLIM=1,          X
                USSTAB=HELLO,SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HLU3767B LU     PACING=(1,1),VPACING=(4,3),LOCADDR=0,                     X
                SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HPU3774A PU     PUTYPE=2,ADDR=C3,MAXDATA=265,MAXOUT=1,PASSLIM=1,          X
                USSTAB=HELLO,MODETAB=IBPACE,                              X
                SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HLU3774A LU     PACING=(1,1),VPACING=(4,3),LOCADDR=1,ISTATUS=ACTIVE,      X
                SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HLU3774B LU     PACING=(1,1),VPACING=(4,3),LOCADDR=2,ISTATUS=ACTIVE,      X
                SPAN=(D2GLOBAL,D2CICS,D1CICSXD)

HSDLC22  LINE   ADDRESS=033,DUPLEX=HALF,NRZI=NO,ISTATUS=INACTIVE,         X
                SPAN=(D2GLOBAL,D2CICS)
        SERVICE ORDER=(HCJ13,HCJ14)
HCJ13    PU     PUTYPE=2,ADDR=C1,MAXDATA=265,MAXOUT=1,                    X
                PASSLIM=1,ISTATUS=INACTIVE,                               X
                SPAN=(D2GLOBAL,D2CICS)
FAH13LU1 LU     PACING=(1,1),VPACING=(6,2),LOCADDR=1,ISTATUS=INACTIVE,    X
                SPAN=(D2GLOBAL,D2CICS)
HCJ13LU1 LU     PACING=(1,1),VPACING=(3,2),LOCADDR=2,ISTATUS=INACTIVE,    X
                SPAN=(D2GLOBAL,D2CICS)
HCJ13LU2 LU     PACING=(1,1),VPACING=(3,2),LOCADDR=3,ISTATUS=INACTIVE,    X
                SPAN=(D2GLOBAL,D2CICS)
HCJ13LU3 LU     PACING=(1,1),VPACING=(3,2),LOCADDR=4,ISTATUS=INACTIVE,    X
                SPAN=(D2GLOBAL,D2CICS)
HCJ14    PU     PUTYPE=2,ADDR=C2,MAXDATA=265,MAXOUT=1,                    X
                PASSLIM=1,ISTATUS=INACTIVE,                               X
                SPAN=(D2GLOBAL,D2CICS)
FCH14LU1 LU     PACING=(1,1),VPACING=(3,2),LOCADDR=1,ISTATUS=INACTIVE,    X
                SPAN=(D2GLOBAL,D2CICS)
HCJ14LU1 LU     PACING=(1,1),VPACING=(3,2),LOCADDR=2,ISTATUS=INACTIVE,    X
                SPAN=(D2GLOBAL,D2CICS)

HSDLC23  LINE   ADDRESS=031,NRZI=NO,ISTATUS=INACTIVE,                     X
                SPAN=(D2GLOBAL,D2TSO,D2CICS)
        SERVICE ORDER=(HPU3271S)
HPU3271S PU     PUTYPE=1,ADDR=02,MAXDATA=261,MAXOUT=1,PASSLIM=1,          X
                BNNSUP=3270,SSCPFM=USS3270,ISTATUS=INACTIVE,              X
                USSTAB=HELLO,PUDR=NO,MAXLU=4,DLOGMOD=S3270,               X
                SPAN=(D2GLOBAL,D2TSO,D2CICS)
HLU3271S LU     PACING=(1,1),VPACING=(2,1),LOCADDR=0,ISTATUS=INACTIVE,    X
                SPAN=(D2GLOBAL,D2CICS)
```

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HLU3271T LU     PACING=(1,1),VPACING=(2,1),LOCADDR=1,ISTATUS=INACTIVE,   X
                SPAN=(D2GLOBAL,D2TSO)
HLU3284U LU     PACING=(1,1),VPACING=(2,1),LOCADDR=2,ISTATUS=INACTIVE,   X
                SPAN=(D2GLOBAL,D2TSO,D2CICS)

HSDLC24  LINE   ADDRESS=037,NRZI=NO,ISTATUS=ACTIVE,                      X
                SPAN=(D2GLOBAL,D2CICS)
         SERVICE ORDER=(HPU3650)
HPU3650  PU     PUTYPE=2,ADDR=C1,MAXDATA=265,MAXOUT=1,PASSLIM=1,         X
                ISTATUS=ACTIVE,SPAN=(D2GLOBAL,D2CICS)
QEHSYSA  LU     PACING=(1,1),VPACING=(3,1),LOCADDR=1,ISTATUS=ACTIVE,     X
                SPAN=(D2GLOBAL,D2CICS)
QEH3275B LU     PACING=(1,1),VPACING=(3,1),LOCADDR=2,ISTATUS=ACTIVE,     X
                SPAN=(D2GLOBAL,D2CICS)
QEH3275C LU     PACING=(1,1),VPACING=(3,1),LOCADDR=3,ISTATUS=ACTIVE,     X
                SPAN=(D2GLOBAL,D2CICS)
QEH3275D LU     PACING=(1,1),VPACING=(3,1),LOCADDR=4,ISTATUS=ACTIVE,     X
                SPAN=(D2GLOBAL,D2CICS)

HSDLC25  LINE   ADDRESS=029,NRZI=YES,ISTATUS=INACTIVE,                   X
                SPAN=(D2GLOBAL,D2CICS)
         SERVICE ORDER=(HPUNDSC)
HPUNDSC  PU     PUTYPE=2,ADDR=C1,MAXDATA=261,MAXOUT=1,PASSLIM=10,        X
                SSCPFM=USSSCS,SPAN=(D2GLOBAL,D2CICS)
HLU1920C LU     PACING=(1,1),VPACING=(3,1),LOCADDR=02,BUFLIM=6,          X
                USSTAB=HELLO,MODETAB=LMCLU2M2,DLOGMOD=NDSC1920,          X
                SPAN=(D2GLOBAL,D2CICS)
HLU2560C LU     PACING=(1,1),VPACING=(3,1),LOCADDR=03,BUFLIM=6,          X
                USSTAB=HELLO,MODETAB=LMCLU2M3,DLOGMOD=NDSC2560,          X
                SPAN=(D2GLOBAL,D2CICS)
HLU3440C LU     PACING=(1,1),VPACING=(3,1),LOCADDR=04,BUFLIM=6,          X
                USSTAB=HELLO,MODETAB=LMCLU2M4,DLOGMOD=NDSC3440,          X
                SPAN=(D2GLOBAL,D2CICS)
HLUMOD5  LU     PACING=(1,1),VPACING=(3,1),LOCADDR=05,BUFLIM=6,          X
                USSTAB=HELLO,MODETAB=LMCLU2M5,DLOGMOD=NDSC3564,          X
                SPAN=(D2GLOBAL,D2CICS)
HLUPRTC  LU     PACING=(1,1),VPACING=(3,1),LOCADDR=06,BUFLIM=6,          X
                MODETAB=LMCLU1,DIOGMOD=NDSCPRT,                          X
                SPAN=(D2GLOBAL,D2CICS)

HSDLC26  LINE   ADDRESS=0D8,NRZI=YES,ISTATUS=INACTIVE,MAXPU=5,           X
                SPAN=(D2GLOBAL,D2CICS)
         SERVICE ORDER=(HPUNDSJ),MAXLIST=5
HPUNDSJ  PU     PUTYPE=2,ADDR=C1,MAXDATA=261,MAXOUT=1,PASSLIM=10,        X
                ISTATUS=INACTIVE,SSCPFM=USSSCS,MAXLU=10,USSTAB=HELLO,    X
                SPAN=(D2GLOBAL,D2CICS)
HLU960J  LU     PACING=(1,1),VPACING=(3,1),LOCADDR=2,BUFLIM=6,           X
                MODETAB=LMJLU2M2,DLOGMOD=NDSJ1920,                       X
                SPAN=(D2GLOBAL,D2CICS)
```

```
*********************************************************
*                                                       *
*                   DEFINITIONS - FULL DUPLEX LINES     *
*                                                       *
*********************************************************

HGROUP30 GROUP LNCTL=SDLC,DIAL=NO,TYPE=NCP,POLLED=YES,                 X
               CLOCKNG=EXT,DUPLEX=(HALF,HALF),SPEED=2400,              X
               SPAN=(D2GLOBAL)

HSDLC31  LINE  ADDRESS=(02C,02D),NRZI=NO,RETRIES=(7,2,2),              X
               ISTATUS=INACTIVE,MAXPU=2,                               X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
         SERVICE ORDER=(HPU3271R),MAXLIST=2
HPU3271R PU    PUTYPE=2,ADDR=C2,MAXDATA=265,MAXOUT=1,PASSLIM=1,         X
               ISTATUS=INACTIVE,                                       X
               SPAN=(D2GLOBAL,D2CICS,D2TSO,D1CICSXD,D1TSOXD)
HLU3277R LU    PACING=(1,1),VPACING=(2,1),LOCADDR=1,                    X
               SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HLU3277S LU    PACING=(1,1),VPACING=(2,1),LOCADDR=2,                    X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)
HLU3277T LU    PACING=(1,1),VPACING=(2,1),LOCADDR=3,                    X
               SPAN=(D2GLOBAL,D2CICS,D1CICSXD)
HLU3277U LU    PACING=(1,1),VPACING=(2,1),LOCADDR=4,ISTATUS=INACTIVE,   X
               SPAN=(D2GLOBAL,D2TSO,D1TSOXD)


*********************************************************
*                                                       *
*                   DEFINITIONS - DIAL LINES            *
*                                                       *
*********************************************************

HGROUP40 GROUP LNCTL=SDLC,DIAL=YES,TYPE=NCP,SPEED=2000,                 X
               CLOCKNG=EXT,DUPLEX=HALF,REPLYTO=15.0,SPAN=(D2GLOBAL)
HSDLC40  LINE  ADDRESS=0D7,NRZI=NO,CALL=INOUT,                          X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HDIAL40  PU    MAXLU=4,PUTYPE=(1,2),SPAN=(D2GLOBAL,D2CICS,D2TSO)

HGROUP41 GROUP LNCTL=SDLC,DIAL=YES,TYPE=NCP,SPEED=2400,                 X
               CLOCKNG=EXT,DUPLEX=HALF,REPLYTO=15.0,SPAN=(D2GLOBAL)
HSDLC41  LINE  ADDRESS=0D6,NRZI=NO,CALL=INOUT,                          X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HDIAL41  PU    MAXLU=4,PUTYPE=(1,2),SPAN=(D2GLOBAL,D2CICS,D2TSO)

HGROUP50 GROUP LNCTL=SDLC,DIAL=YES,TYPE=NCP,SPEED=2000,                 X
               CLOCKNG=EXT,DUPLEX=HALF,REPLYTO=15.0,SPAN=(D2GLOBAL)
HSDIC50  LINE  ADDRESS=02A,NRZI=NO,CALL=INOUT,                          X
               SPAN=(D2GLOBAL,D2CICS,D2TSO)
HDIAL50  PU    MAXLU=3,PUTYPE=(1,2),SPAN=(D2GLOBAL,D2CICS,D2TSO)

HGROUP51 GROUP LNCTL=SDLC,DIAL=YES,TYPE=NCP,SPEED=2400,                 X
               CLOCKNG=EXT,DUPLEX=HALF,REPLYTO=15.0,SPAN=(D2GLOBAL)
HSDLC51  LINE  ADDRESS=02B,NRZI=NO,CALL=INOUT,                          X
```

```
                SPAN=(D2GLOBAL,D2CICS,D2TSO)
HDIAL51  PU     MAXLU=4,PUTYPE=(1,2),SPAN=(D2GLOBAL,D2CICS,D2TSO)
HSDLC52  LINE   ADDRESS=026,NRZI=NO,SPAN=(D2GLOBAL,D2CICS,D2TSO)
HDIAL52  PU     MAXLU=4,PUTYPE=(1,2),SPAN=(D2GLOBAL,D2CICS,D2TSO)
HSDLC53  LINE   ADDRESS=032,NRZI=NO,SPAN=(D2GLOBAL,D2CICS,D2TSO)
HDIAL53  PU     MAXLU=4,PUTYPE=(1,2),SPAN=(D2GLOBAL,D2CICS,D2TSO)
HSDLC54  LINE   ADDRESS=027,NRZI=NO,SPAN=(D2GLOBAL,D2CICS,D2TSO)
HDIAL54  PU     MAXLU=4,PUTYPE=(1,2),SPAN=(D2GLOBAL,D2CICS,D2TSO)

         GENEND
         END
```

CROSS DOMAIN DEFINITIONS

MVSCDRM (CROSS DOMAIN RES. MGRS. - HOST1)

```
MVSCDRM  VBUILD TYPE=CDRM
MVSHOST  CDRM   SUBAREA=4,ELEMENT=1,ISTATUS=INACTIVE,VPACING=1
EHOST    CDRM   SUBAREA=10,ELEMENT=1,ISTATUS=INACTIVE,VPACING=1
```

MVSCDRSC (CROSS DOMAIN RESOURCES)

```
****************
* APPLICATIONS *
****************
MVSCDRSC VBUILD  TYPE=CDRSC
SNA4APPL CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
CICSDOS  CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
NOSP1    CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
NOSP1000 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
NOSP1001 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
NOSP1002 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE

**********************
* LOCAL NON SNA      *
**********************
T010B101 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T010B202 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T010B303 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T010B404 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE

**********************
* LOCAL SNA          *
**********************
T010B702 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T010B703 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T010B704 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T010B705 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T010B706 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE

**********************
* REMOTE             *
**********************
T0103401 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103431 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103502 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103503 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103504 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103505 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103506 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
```

```
T0103601 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103602 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103603 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
T0103611 CDRSC   CDRM=EHOST,ISTATUS=INACTIVE
```

MVSPATH (CROSS DOMAIN PATH)

```
MVSPATH  PATH ADJSUB=9,DESTSUB=10
```

ECDRM (CROSS DOMAIN RES. MGRS. - HOST2)

```
ECDRM    VBUILD TYPE= CDRM
EHOST    CDRM  SUBAREA=10,ELEMENT=1,ISTATUS=INACTIVE,VPACING=1
MVSHOST  CDRM  SUBAREA=4,ELEMENT=1,ISTATUS=INACTIVE,VPACING=1
```

ECDRSC (CROSS DOMAIN RESOURCES - HOST2)

```
ECDRSC   VBUILD  TYPE=CDRSC

*********************
* APPLS             *
*********************
MVSAPPL4 CDRSC   CDRM=MVSHOST,ISTATUS=INACTIVE
CICSAPP1 CDRSC   CDRM=MVSHOST,ISTATUS=INACTIVE
NCCF1    CDRSC   CDRM=MVSHOST,ISTATUS=INACTIVE

*********************
* LOCALS            *
*********************
L3E0 CDRSC   CDRM=MVSHOST,ISTATUS=INACTIVE
L3E1 CDRSC   CDRM=MVSHOST,ISTATUS=INACTIVE
L3E2 CDRSC   CDRM=MVSHOST,ISTATUS=INACTIVE
L3E3 CDRSC   CDRM=MVSHOST,ISTATUS=INACTIVE
L3E4 CDRSC   CDRM=MVSHOST,ISTATUS=INACTIVE
```

```
**********************
* REMOTE             *
**********************

**************************
*  WHITE 3270        0D5 *
**************************
HT3277AW  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HT3277BW  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HT3286AW  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HT3275AW  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE

**************************
*  WHITE CLUSTER     0DD *
**************************
HTNDSJAW  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HTNDSJBW  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HTNDSJCW  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HT3275JW  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE

**************************
*  ORANGE CLUSTER    0DE *
**************************
HT3277AO  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HT3277BO  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HT3286AO  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE

**************************
*  ORANGE CLUSTER    0DF *
**************************
HTNDSJAO  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HTNDSJBO  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HTNDSJCO  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE

**************************
*      BSC          028 *
**************************
HT1920C   CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HT2560C   CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HT3440C   CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HTMOD5C   CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HTPRTC    CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE

**************************
*   SUPERLINE       030 *
**************************
HLU3271A  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3271B  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3275A  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3767A  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3767B  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3774A  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3774B  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
```

```
*************************
*      SDLC          029 *
*************************
HLU1920C  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU2560C  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3440C  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLUMOD5   CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLUPRTC   CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE

*************************
*     3277  02C/02D     *
*************************
HLU3277R  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3277S  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3277T  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
HLU3277U  CDRSC CDRM=MVSHOST,ISTATUS=INACTIVE
```

EPATH (CROSS DOMAIN PATH - HOST2)

```
EPATH    PATH  ADJSUB=9,DESTSUB=4
```

```
**NOTE:*************************************************************
* THE FOLLOWING DEFINITIONS ARE FOR AN MVS SYSTEM WITH ACF/VTAM AND NO *
* ATTEMPT SHOULD BE MADE TO USE THE PARMS OR VALUES FOR ACF/VTAME.     *
**********************************************************************
```

ATCSTRE1 (START PARAMETERS FOR HOST1)

```
CONFIG=E1,                                                        X
SSCPID=4,                                                         X
HOSTSA=4,                                                         X
MAXAPPL=50
```

ATCSTR00 (START PARAMETERS DEFAULT LIST FOR HOST1)

```
MAXSUBA=15,MAXAPPL=100,                                          X
IOBUF=(40,128,3,,10,5),                                          X
PPBUF=(20,,2,,5,5),                                              X
PPBUF=(16,128,1,,4,4),                                           X
LFBUF=(100,,10,,11,11),                                          X
CRPLBUF=(,,,,11,16),                                             X
SFBUF=(,,,,3,3),                                                 X
WPBUF=(,,,,16,16),                                               X
UECBUF=(,,,,4,5),                                                X
VTAMEAS=500,CSALIMIT=9000,                                       X
DLRTCB=50,NODELST=NODEDS1
```

ATCCONE1 (CONFIGURATION LIST FOR HOST1)

```
NCPM80,D2LOCALS,D2APPL4,EMVSPATH,EMVSRSC,EMVSRM,EMVSAPPL
```

EMVSAPPL (APPLICATIONS FOR HOST1)

```
          VBUILD  TYPE=APPL
MVSAPPL   APPL    AUTH=(NOACQ),EAS=400,PARSESS=YES
SNA3APPL  APPL    AUTH=(NOACQ),EAS=400,PARSESS=YES
```

APPENDIX F. ACF/VTAME INTERNAL TRACE EXAMPLE

```
**NOTE:*************************************************************
*                    ACF/VTAME INTERNAL TRACE                       *
*    THIS VIT EXAMPLE IS ONLY A REPRESENTATIVE EXAMPLE AND DOES NOT  *
*    ATTEMPT TO SHOW A COMPLETE FLOW SEQUENCE.  IT IS INCLUDED HERE  *
*    TO GIVE SOME IDEA OF WHAT A VIT CONTAINS.  IT WAS CREATED BY    *
*    EXTRACTING SOME RECORDS FROM A VIT EXTERNAL TRACE OF A SINGLE   *
*    DOMAIN TERMINAL TO APPLICATION SESSION USING 'OPT=ALL' IN THE   *
*    MODIFY TRACE COMMAND. FOR MORE INFORMATION ABOUT VIT REFER TO*
*    THE DIAGNASTIC TECHNIQUES MANUAL, AND THE ITTRC DATA AREA.      *
*********************************************************************
```

```
GET   C7C5E340 50000000 6014691E 001C0DF0 00000138 00000000 00000000 0000E5D7 GET &...-......0.............VP
VTFR  E5E3C6D9 50000000 500DA234 001C0810 00000000 00000000 00000000 0000E5D7 VTFR&...&.S.................VP
097I  F0F9F7C9 500DC2EC 700DB7BE 00000000 C4C9E2D7 D3C1E840 40404040 40404040 097I&.B.........DISPLAY
GET   C7C5E340 50000000 603903C6 001C0810 00000110 00000000 00000000 0000E5D7 GET &...-..F.................VP
VTAL  E5E3C1D3 50000000 001804B0 001C0F38 00000048 00000000 00000000 0000E5D7 VTAL&.......................VP
GET   C7C5E340 50000000 601805AA 001C1010 00000440 00000000 00000000 0000E5D7 GET &...-.......... ..........VP
IO    C9D61A08 501C13A0 44180692 001C12F4 00000000 10800000 10309450 00408010 IO..&......K...4..........M&. ..
QUE   D8E4C540 50029010 803902C4 001EF7A0 001C13A0 00000000 2039142C 08000000 QUE &......D..7.................
DISP  C4C9E2D7 50000000 0011D450 201EF7A0 001C13A0 80000000 D6C3D9E3 001C0100 DISP&.....M&..7.........OCRT....
VTAL  E5E3C1D3 50000000 0011D5F4 001C1460 00000388 00000000 00000000 0000E5D7 VTAL&.....N4...-...H...........VP
QUE   D8E4C540 50029000 9011D6F8 001C17D8 001C1460 00000000 1011D730 18000000 QUE &.....O8...Q...-.......P.....
EXIT  C5E7C9E3 50068000 8011D524 001EF7A0 80000000 001C17D8 2039142C 001C0100 EXIT&.....N...7.........Q.........
DISP  C4C9E2D7 50000000 2411EDE0 101C17D8 001C1460 80000000 E2D8F0F0 001C0100 DISP&...........Q...-....SQ00....
LKSH  D3D2E2C8 50000000 4011F092 00000000 00391598 00000002 00000000 001C0100 LKSH&... .0K.......Q.............
LKSH  D3D2E2C8 50000000 4011F0BA 00000002 0039159C 00000004 00000000 001C0100 LKSH&... .0......................
UNLK  E4D5D3D2 50000000 4011F036 00000006 00391598 00000002 01000000 001C0100 UNLK&... .0.........Q.............
UNLK  E4D5D3D2 50000000 4011F05A 00000004 0039159C 00000004 01000000 001C0100 UNLK&... .0>.....................
UP    E4D71A00 501C13A0 44008000 00000000 00000000 00000127 0005082B 00000000 UP..&.............................
VTFR  E5E3C6D9 50000000 4011D7C0 001C1460 00000000 00000000 00000000 0000E5D7 VTFR&... .P....-..............VP
EXIT  C5E7C9E3 50060000 A011D7DA 00000000 00000000 00000000 00000000 001C0100 EXIT&.....P.....................
GET   C7C5E340 50000000 60180A16 001C1460 00000128 00000000 00000000 0000E5D7 GET &...-......-..............VP
IO    C9D61A08 501C13A0 44180692 001C12F4 00000000 10800000 10309450 00408010 IO..&......K...4..........M&. ..
QUE   D8E4C540 50029010 803902C4 001EF7A0 001C13A0 00000000 2039142C 08000000 QUE &......D..7.................
DISP  C4C9E2D7 50000000 0011D450 201EF7A0 001C13A0 80000000 D6C3D9E3 001C0100 DISP&.....M&..7.........OCRT....
VTAL  E5E3C1D3 50000000 0011D5F4 001C3C10 00000388 00000000 00000000 0000E5D7 VTAL&.....N4.......H...........VP
QUE   D8E4C540 50029000 9011D6F8 001C3F88 001C3C10 00000000 1011D730 18000000 QUE &.....O8...H.........P.....
EXIT  C5E7C9E3 50068000 8011D524 001EF7A0 80000000 001C3F88 2039142C 001C0100 EXIT&.....N...7.........H.........
DISP  C4C9E2D7 50000000 2411EDE0 101C3F88 001C3C10 80000000 E2D8F0F0 001C0100 DISP&...........H.........SQ00....
LKSH  D3D2E2C8 50000000 4011F092 00000000 00391598 00000002 00000000 001C0100 LKSH&... .0K.......Q.............
LKSH  D3D2E2C8 50000000 4011F0BA 00000002 0039159C 00000004 00000000 001C0100 LKSH&... .0......................
UNLK  E4D5D3D2 50000000 6011F036 00000006 00391598 00000002 01000000 001C0100 UNLK&...-.0.........Q.............
UNLK  E4D5D3D2 50000000 4011F05A 00000004 0039159C 00000004 01000000 001C0100 UNLK&... .0>.....................
UP    E4D71A00 501C13A0 44008000 00000000 001C1460 00000127 00000000 00000000 UP..&.............-.............
VTFR  E5E3C6D9 50000000 4011D7C0 001C3C10 00000000 00000000 00000000 0000E5D7 VTFR&... .P....................VP
EXIT  C5E7C9E3 50060000 A011D7DA 00C00000 00000000 00000000 00000000 001C0100 EXIT&.....P.....................
075I  F0F7F5C9 501C10C0 6018345A 00000000 D7C8E8E2 C9C3C1D3 40E4D5C9 E3404040 075I&...-..>....PHYSICAL UNIT
GET   C7C5E340 50000000 603903C6 001C1598 00000110 00000000 00000000 0000E5D7 GET &...-..F...Q.............VP
486I  F4F8F6C9 501C10C0 6018345A 00000000 D7F0F1F0 F3F5F040 C1C3E3C9 E5404040 486I&...-..>....P010350 ACTIV
GET   C7C5E340 50000000 603903C6 001C16B8 00000110 00000000 00000000 0000E5D7 GET &...-..F.................VP
```

```
081I  F0F8F1C9  501C10C0  6018345A  00C00000  D3F0F1F0  F3F54040  C7F0F1F3  F5404040  081I&...-..>....L01035  G0135
GET   C7C5E340  50000000  603903C6  001C2CA8  00000110  00000000  00000000  0000E5D7  GET &...-..F...Y.............VP
654I  F6F5F4C9  501C1108  6018345A  00000000  D6D540D6  D5404040  40404040  40404040  654I&...-..>....ON ON
GET   C7C5E340  50000000  603903C6  001C2DC8  00000110  00000000  00000000  0000E5D7  GET &...-..F...H.............VP
355I  F3F5F5C9  501C10C0  601834A0  00000000  00000000  00000000  00000000  00000000  355I&...-.....................
GET   C7C5E340  50000000  603903C6  001C2EE8  00000118  00000000  00000000  0000E5D7  GET &...-..F...Y.............VP
080I  F0F8F0C9  501C1108  6018345A  00000000  E3F0F1F0  F3F5F0F2  C1C3E3C9  E5404040  080I&...-..>....T0103502ACTIV
GET   C7C5E340  50000000  603903C6  001C3528  00000110  00000000  00000000  0000E5D7  GET &...-..F.................VP
080I  F0F8F0C9  501C1108  6018345A  00000000  E3F0F1F0  F3F5F0F5  C1C3E3C9  E5404040  080I&...-..>....T0103505ACTIV
GET   C7C5E340  50000000  603903C6  001C3648  00000110  00000000  00000000  0000E5D7  GET &...-..F.................VP
314I  F3F1F4C9  501C1078  601834A0  00C00000  00000000  00000000  00000000  00000000  314I&...-.....................
GET   C7C5E340  50000000  603903C6  001C3C10  00000110  00000000  00000000  0000E5D7  GET &...-..F.................VP
FREE  C6D9C5C5  50000000  70180724  001C1460  00000000  00000000  00000000  0000E5D7  FREE&.........-.............VP
FREE  C6D9C5C5  50000000  6018074A  001C1010  00000000  00000000  00000000  0000E5D7  FREE&...-..].................VP
INT   C9D5E309  80080035  C2000000  03395E00  0C000000  0006C140  07060700  00008808  INT.....B.....$.......A ......H.
SIO   E2C9D609  80080035  C2000001  00395AA8  23030903  00000000  00000000  01801000  SIO.....B.....>Y.............
INT   C9D5E309  80080035  C2000000  03395E00  0C000000  0006C140  070600FE  00010800  INT.....B.....$.......A .....
QUE   D8E4C540  80029080  A03A0AF0  00395B08  003982D8  00000000  E839172C  00000000  QUE .......0..$...BQ....Y.....
REQS  D9C5D8E2  80000000  0039F9D8  00398440  003949F0  00010000  00000000  0000D3C6  REQS.....9Q..D ...0.........LF
SIO   E2C9D609  80080035  C2000000  00395AB0  03090309  03090309  03090300  01001000  SIO.....B.....>..............
DISP  C4C9E2D7  50000000  061A1410  E8395B08  003982D8  80000000  E3E2C8D9  001C0100  DISP&.......Y.$...BQ....TSHR....
LKEX  D3D2C5E7  50000000  6012B7F8  00000000  00394A5C  00000001  00000000  001C0100  LKEX&...-..8.....]*..........
QUE   D8E4C540  50029090  901BED76  00394D40  001EC7C8  00000000  10190978  00000000  QUE &.........( ..GH.........
PIU   D7C9E400  503982D8  1C001001  10800000  00190380  00939687  96954081  97979389  PIU.&.BQ.............LOGON APPLI
QUE   D8E4C540  50029080  80393D3C  00399820  003982D8  00000000  183914D8  00000000  QUE &.........Q...BQ.......Q....
UNLK  E4D5D3D2  50000000  4012B896  00000001  00394A5C  00000001  01000001  001C0100  UNLK&... ..O.....]*..........
EXIT  C5E7C9E3  50068000  801A1668  00395E08  80000000  00000000  E839172C  001C0100  EXIT&.........$.........Y.....
DISP  C4C9E2D7  50000000  9910F440  18399820  003982D8  80000000  E3E2E2D9  001C0100  DISP&...R.4 ..Q...BQ....TSSR....
REQS  D9C5D8E2  50000000  00393ED6  00399288  001C0100  00010000  00000000  0000E2C6  REQS&.......O..KH............SF
QUE   D8E4C540  50029090  9039408A  00394D40  80399288  84000000  10190978  00000000  QUE &..... ...( ..KHD.........
QUE   D8E4C540  50029000  A010F5C4  001E6C50  003982D8  00000000  101E7558  00000000  QUE &.....5D..%&..BQ..........
EXIT  C5E7C9E3  50068000  8010F5D4  00399820  80000000  001E6C50  183914D8  001C0100  EXIT&.....5M..Q.......%&...Q....
RELS  D9C5D3E2  50000000  40115F38  003982D8  001C0100  00000000  00000000  0000D3C6  RELS&... .....BQ.............LF
QUE   D8E4C540  50029000  8018FAA0  00391300  001C0870  00000000  30391620  38000000  QUE &.........................
LKEX  D3D2C5E7  50000000  7038FE6A  00000000  00391314  00000100  00000000  001C0100  LKEX&.........................
UNLK  E4D5D3D2  50000000  4038FF04  00000100  00391314  00000100  01000001  001C0100  UNLK&... .....................
EXIT  C5E7C9E3  50068000  8018FAB0  001E6C50  80000000  00391300  101E7558  001C0100  EXIT&.........%&.............
LKEX  D3D2C5E7  50000000  7038FD1A  00000000  00391314  00000100  00000000  001C0100  LKEX&.........................
UNLK  E4D5D3D2  50000000  6038FD7A  00000100  00391314  00000100  01000001  001C0100  UNLK&...-..:.....................
DISP  C4C9E2D7  50000000  991800D0  30391300  001C0870  80000000  E3E2D5C9  001C0100  DISP&...R.............TSNI....
ESC   C5E2C340  50000000  99128DA8  30391300  001C0870  80000000  C9D5C9D7  001C0100  ESC &...R..Y.............INIP....
VTAL  E5E3C1D3  50000000  0011B726  001C0DF0  000001F0  00000000  00000000  0000E5D7  VTAL&.........0...0..........VP
VTAL  E5E3C1D3  50000000  0011B7B0  001E6010  000007F0  00000000  00000000  0000E5D7  VTAL&.........-....0..........VP
GBLK  C7C2D3D2  50129B56  6012ABFA  001E67A8  001C0100  00000058  00000000  001BF958  GBLK&...-......Y.............9.
VTAL  E5E3C1D3  50000000  0012AE12  001BF908  00000020  00000000  50129B80  0000E5D7  VTAL&.........9.........&.....VP
CCO   C3C3D600  501C0274  541290A0  001C0220  10801001  93968796  95408197  97938984  CCO.&.............LOGON APPLID
QUE   D8E4C540  50029010  A0128582  00391240  001E67A8  00000000  101653F0  38000000  QUE &.....EB... ...Y.......0....
LKEX  D3D2C5E7  50000000  7038FE6A  00000000  00391254  00000100  00000000  001C0100  LKEX&.........................
UNLK  E4D5D3D2  50000000  4038FF04  00000100  00391254  00000100  01000001  001C0100  UNLK&... .....................
VTFR  E5E3C6D9  50000000  60129226  001C0870  00000000  00000000  00000000  0000E5D7  VTFR&...-.K...................VP
EXIT  C5E7C9E3  50068000  80128E5A  00391300  80000000  00000000  30391620  001C0100  EXIT&.....>...................
LKEX  D3D2C5E7  50000000  7038F47E  00000000  00391254  00000100  00000000  001C0100  LKEX&.....4=...................
UNLK  E4D5D3D2  50000000  6038F4DE  00000100  00391254  00000100  01000001  001C0100  UNLK&...-.4....................
DISP  C4C9E2D7  50000000  5416B990  10391240  001E67A8  80000000  C1C3D9E3  001C0100  DISP&..... ...Y....ACRT....
```

```
GBLK  C7C2D3D2  5016C9EC  6012ABFA  001E6750  001C0100  00000058  00000000  001BF958  GBLK&.I.-.....&.............9.
VTAL  E5E3C1D3  50000000  0012AE12  001C1010  00000640  00000000  4016CA08  0000E5D7  VTAL&.............. .... .....VP
VTAL  E5E3C1D3  50000000  0012AE12  001C1660  00000140  00000000  40141644  0000E5D7  VTAL&..........-... .... .....VP
GET   C7C5E340  50000000  60189096  001C2CA8  00000118  00000000  00000000  0000E5D7  GET &...-..O...Y..............VP
VTAL  E5E3C1D3  50000000  0012AE12  001BFE58  00000020  00000000  50141C98  0000E5D7  VTAL&.....................&..Q..VP
CCO   C3C3D600  501C1018  54141BC8  C1C3D9E3  10801001  01068100  40404040  40404040  CCO.&......HACRT......A.
ULKA  E4D3D2C1  50000000  4012822E  00000000  00000000  00000000  00000000  001C0100  ULKA&... .B.....................
VTAL  E5E3C1D3  50000000  0012AE12  001C0870  00000030  00000000  501369D2  0000E5D7  VTAL&.....................&..K..VP
VTFR  E5E3C6D9  50000000  4012AB0C  001BFE58  00000000  00000000  50136A04  0000E5D7  VTFR&... ................&.....VP
CCO   C3C3D600  501C1018  54136A56  C1C3D9E3  10801001  81068010  40020200  00404040  CCO.&........ACRT....A... ....
WAIT  E6C1C9E3  500A1000  A0145CD0  00391240  80000000  001E6C60  101653F0  001C0100  WAIT&.....*.... ......%-...0....
REQS  D9C5D8E2  50000000  0038F38E  001F39E0  001C042C  00010000  00000000  0000D3D7  REQS&.....3.....................LP
DISP  C4C9E2D7  50000000  00110B88  201E6C60  00000000  80000000  E3E2D6D9  001F39E0  DISP&......H..%-.........TSOR....
REQS  D9C5D8E2  50000000  00117446  003982D8  001F39E0  00010000  00000000  0000D3C6  REQS&..........BQ..............LF
ESC   C5E2C340  50000000  9A18DA08  201E6C60  001F3B00  80000000  E3E2D5D6  001F39E0  ESC &.........%-.........TSNO....
ESC   C5E2C340  50000000  9A1112F8  201E6C60  001F3B00  80000000  E3E2C6D6  001F39E0  ESC &.......8..%-.........TSFO....
ESC   C5E2C340  50000000  9A18DD80  201E6C60  001F3B00  80000000  E3E2D9E2  001F39E0  ESC &.........%-.........TSRS....
ESC   C5E2C340  50000000  9A1116B0  201E6C60  001F3B00  80000000  E3E2C3E2  001F39E0  ESC &.........%-.........TSCS....
ESC   C5E2C340  50000000  9A1118A0  201E6C60  001F3B00  80000000  E3E2D9C4  001F39E0  ESC &.........%-.........TSRD....
POST  D7D6E2E3  500C1000  B011532A  00391240  001C0304  B8145CD0  101C0100  001F39E0  POST&.......... ......*.........
ESC   C5E2C340  50000000  9A111D00  201E6C60  001F3B00  80000000  E3E2D7E2  001F39E0  ESC &.........%-.........TSPS....
GET   C7C5E340  50000000  6011768C  001C08C8  00000038  00000000  00000000  0000E5D7  GET &...-......H..............VP
QUE   D8E4C540  50029090  90117958  00394D40  801C08C8  84000000  10190978  00000000  QUE &.........( ...HD...........
PIU   D7C9E450  503982D8  1C001080  10010000  00038380  00000000  00000000  00000000  PIU&&.BQ..........C.............
QUE   D8E4C540  50029000  A0393D58  00395A40  003982D8  00000000  20391724  01000000  QUE &.........> ..BQ............
EXIT  C5E7C9E3  50068000  80111DD2  001E6C60  00000000  00395A40  201E76A8  001F39E0  EXIT&......K..%-......> ...Y....
DISP  C4C9E2D7  50000000  99145CD0  10391240  C01C0304  80000000  101653F0  001C0100  DISP&...R.*.... ...........0....
VTFR  E5E3C6D9  50000000  4012AB0C  001BF908  00000000  00000000  501458AE  0000E5D7  VTFR&... .....9.........&.....VP
FBLK  C6C2D3D2  501458AE  6012AB3A  001E67A8  001C0100  00000058  00000000  001BF958  FBLK&...-......Y..............9.
LKEX  D3D2C5E7  50000000  601357B8  00000000  0039159C  00000004  00000000  001C0100  LKEX&...-.......................
CCO   C3C3D600  501C1128  54135D8A  C3D7C9D6  10801001  81864B00  001001EC  A1450AB6  CCO.&.....).CPIO....AF.........
QUE   D8E4C540  50029010  A0128582  00391240  801E6750  80000000  101653F0  38000000  QUE &.....EB... ...&.......0....
LKEX  D3D2C5E7  50000000  7038FE6A  00000004  00391254  00000100  00000000  001C0100  LKEX&...........................
UNLK  E4D5D3D2  50000000  6038FF04  00000104  00391254  00000100  01000001  001C0100  UNLK&...-.......................
ULKA  E4D3D2C1  50000000  40128796  00000004  00000000  00000000  00000000  001C0100  ULKA&... .GO....................
UNLK  E4D5D3D2  50000000  6012A816  00000004  0039159C  00000004  01000001  001C0100  UNLK&...-.Y.....................
EXIT  C5E7C9E3  50068000  801287A2  00391240  801E6750  00000000  101653F0  001C0100  EXIT&.....GS... ...&.......0....
LKEX  D3D2C5E7  50000000  7038FD1A  00000000  00391254  00000100  00000000  001C0100  LKEX&...........................
QUE   D8E4C540  50029090  901BED76  00394D40  801ED7B0  84000000  10190978  00000000  QUE &.........( ..P.D...........
UNLK  E4D5D3D2  50000000  6038FD7A  00000100  00391254  00000100  01000001  001C0100  UNLK&...-..:....................
LKSH  D3D2E2C8  50000000  501107CE  00000000  00394858  00000020  00000000  001C0100  LKSH&...&.......................
LKSH  D3D2E2C8  50000000  50110652  00000020  00394954  00000040  00000000  001C0100  LKSH&...&.............. ........
UNLK  E4D5D3D2  50000000  60110758  00000060  00394954  00000040  01000000  001C0100  UNLK&...-.......-....... ........
UNLK  E4D5D3D2  50000000  4011077A  00000020  00394858  00000020  01000000  001C0100  UNLK&... ..:....................
REQS  D9C5D8E2  50000000  0014A556  001F6288  001C0100  00010000  00000000  0000E4D7  REQS&.....V....H..............UP
REQS  D9C5D8E2  50000000  0014A5E2  001F5108  001C0100  00010000  00000000  0000E2D7  REQS&.....VS...................SP
VTAL  E5E3C1D3  50000000  0014A69C  001C1F40  00000058  00000000  00000000  0000E5D7  VTAL&.....W.... ..............VP
QUE   D8E4C540  50029000  A014A772  001F6298  001F6288  00000000  101F62CC  90000000  QUE &.....X....Q...H............
EXIT  C5E7C9E3  50068000  A0146F0C  00391320  80000000  00000000  5039141C  001C0100  EXIT&.....?.............&.......
DISP  C4C9E2D7  80000000  0E190518  10394D40  001EC7C8  80000000  D9C1E3E6  001BF100  DISP..........( ..GH....RATW..1.
WAIT  E6C1C9E3  800A0000  80190838  00394D40  80399148  00000000  10190978  001BF100  WAIT..........( ..J.............1.
UE    E4C50006  40078C68  00000000  10801006  E2D5C1F4  C1D7D7D3  E3F0F1F0  F3F5F0F4  UE.. ............SNA4APPLT0103504
IO    C9D61A00  400CE360  44078DDA  000CE320  00000000  10800000  10309450  40008010  IO.. .T-.......T...........M& ...
QUE   D8E4C540  40029010  803902C4  001EF620  000CE360  00000000  2039142C  08000000  QUE  ......D..6...T-............
```

APPENDIX G. ACF/VTAME I/O ACTIVITY TRACE

```
**NOTE:*****************************************************************
*                        ACF/VTAME I/O TRACE                            *
* THIS IS A SAMPLE ACF/VTAME I/O ACTIVITY TRACE. THE TRACE RECORDS I/O *
* ACTIVITY FOR ANY OF THESE TYPES OF NODES:  AN APPLICATION PROGRAM,   *
* A PHYSICAL UNIT, LOGICAL UNIT, NON-SNA TERMINAL, COMMUNICATIONS      *
* ADAPTER LINE, CROSS-DOMAIN RESOURCE, AND CROSS-DOMAIN RESOURCE MGR.  *
* THIS EXAMPLE IS ONLY A REPRESENTATIVE EXAMPLE AND DOES NOT SHOW A    *
* COMPLETE FLOW SEQUENCE.  IT IS FROM A SESSION BETWEEN AN APPLICATION *
* AND A LOGICAL UNIT.  FOR A MORE DETAILED DESCRIPTION REFER TO THE    *
* DIAGNOSTIC TECHNIQUES MANUAL OR THE DOS/VSE SERVICEABILITY AIDS AND  *
* DEBUGGING PROCEDURES MANUAL                                          *
*                                                                      *
*     ************************************************************     *
*                                                                      *
*    SDAID IS THE DOS/VSE SERVICE AID THAT PROVIDES THE ACF/VTAME      *
*    I/O ACTIVITITY TRACE.  THE FOLLOWING EXTRACT FROM THE CONSOLE     *
*    LOG SHOWS THE OPERATOR COMMANDS ( ==> ), AND THE SYSTEM RES-      *
*    PONSES USED TO START THE I/O ACTIVITY TRACE.                      *
************************************************************************


==>  SDAID
     AR 15 4C05I PROCESSING OF 'SDAID'  COMMAND SUCCESSFUL
==>  OUTDEV TAPE=182
     AR 15 4C05I PROCESSING OF 'OUTDEV' COMMAND SUCCESSFUL
==>  TRACE VTAMIO AREA=F3 UNIT=(0B0,0B1,0B2,0B3)
     AR 15 4C05I PROCESSING OF 'TRACE'  COMMAND SUCCESSFUL
==>  READY
     AR 15 4C05I PROCESSING OF 'READY'  COMMAND SUCCESSFUL
==>  STRTSD
     AR 15 4C05I PROCESSING OF 'STRTSD' COMMAND SUCCESSFUL


************************************************************************
*   TO OBTAIN THE OUTPUT FROM THE TAPE, USE THE DOSVSDMP PROGRAM AS    *
*   SHOWN BELOW.                                                       *
************************************************************************


    *BG-00
==>  0 // ASSGN SYS006,TAPE
    *BG-00
==>  0 EXEC DOSVSDMP
    *BG 00 4C50D  SELECT YOUR OPTION BY NUMBER
     1 CREATE DOSDMPF 2 PRINT DUMP  3 PRT SDAIDTAPE
     4 PRINT FILE     5 INFORMATION 6 EOJ(DEFAULT)
     7 CREATE DCSDMPG 8 CLR DOSDMPF 9 CLR DOSDMPG
    *BG-00
==>  0 3
```

```
VT-SVC    35  F3 0D9A7C ==>0007BE                R00=00000000 R01=000D9F6E R15=003911D0     PSW=000C2000
VT-SVC    35  F3 0F1D50 ==>0007BE                R00=001F2810 R01=000DC308 R15=00000000     PSW=030D2000
VT-SVC    35  F3 11025C ==>0007BE                R00=002537A0 R01=001103D0 R15=00000000     PSW=030D2000
VT-SVC    31  F3 3926FE ==>0007BE                R00=00000000 R01=00392F08 R15=00392EC8     PSW=030C0000
VT-SIO 00B3   F3           CC=0
VT-IO  00B3   F3 399D32 ==>0006E8  CSW =000040   50398AE008000000                            PSW=030C0000
VT-IO  00B3   F4 00386C ==>0006E8  CSW =000040   0000000004000000                           PSW=030C2000
VT-SIO 00B1   F3           CC=0
VT-IO  00B1   F3 399D32 ==>0006E8  CSW =000040   503985B008000000                            PSW=030C0000
VT-IO  00B1   F3 00386C ==>0006E8  CSW =000040   0000000004000000                           PSW=030C2000
VT-SVC    35  F3 0DA152 ==>0007BE                R00=001F2810 R01=000DCCE0 R15=000DCB5C     PSW=030D0000
VT-SVC    35  F3 1643BC ==>0007BE                R00=001F509C R01=0024CAFC R15=00000000     PSW=030C1000
VT-SVC    31  F3 3926FE ==>0007BE                R00=00257E28 R01=00392F08 R15=00392EB0     PSW=000C0000
VT-SIO 00B2   F3           CC=0
VT-IO  00B2   F3 399D32 ==>0006E8  CSW =000040   50398AE008000000                            PSW=030C0000
VT-IO  00B2   F4 00386C ==>0006E8  CSW =000040   0000000004000000                           PSW=030C2000
VT-SVC    35  F3 192FC4 ==>0007BE                R00=00000004 R01=0019309C R15=001925F0     PSW=030D1000
VT-SVC    35  F3 1918B4 ==>0007BE                R00=0024B130 R01=00192458 R15=001F1708     PSW=030D0000
VT-SVC    35  F3 12861E ==>0007BE                R00=50391374 R01=001287D2 R15=0024B148     PSW=030C1000
VT-SVC    35  F3 1918B4 ==>0007BE                R00=0024B130 R01=00192458 R15=001F1708     PSW=030D0000
```

APPENDIX H. ACF/VTAME BUFFER USAGE TRACE

```
*************************************************************************
*                        ACF/VTAME BUFFER USAGE TRACE                   *
* THE ACF/VTAME BUFFER USAGE TRACE RECORDS INFORMATION ON THE USE AND   *
* AVAILABILITY OF ACF/VTAME'S BUFFER POOLS.  THE TRACE RECORDS ARE      *
* SNAPSHOT DUMPS TAKEN AFTER A PREDETERMINED NUMBER OF REQUESTS         *
* OCCUR FOR ACF/VTAME BUFFERS.                                          *
*                                                                       *
*          ************************************************           *
*                                                                       *
* AS IN THE ACF/VTAME I/O ACTIVITY TRACE, SDAID IS USED TO START THE    *
* ACF/VTAME BUFFER USAGE TRACE.  ADDITIONALLY THE VTAM MODIFY COMMAND   *
* MUST BE ISSUED WITH TYPE=SMS.  THE COMMANDS AND THE SYSTEM RESPONSES  *
* ARE SHOWN BELOW AS WELL AS THE OUTPUT FROM THE TRACE.                 *
*************************************************************************


==> SDAID
    AR 15 4C05I PROCESSING OF 'SDAID'  COMMAND SUCCESSFUL
==> OUTDEV TAPE=182
    AR 15 4C05I PROCESSING OF 'OUTDEV' COMMAND SUCCESSFUL
==> TRACE VTAMBU
    AR 15 4C05I PROCESSING OF 'TRACE'  COMMAND SUCCESSFUL
==> READY
    AR 15 4C05I PROCESSING OF 'READY'  COMMAND SUCCESSFUL
==> STRTSD
    AR 15 4C05I PROCESSING OF 'STRTSD' COMMAND SUCCESSFUL
==> F NET,TRACE,TYPE=SMS,ID=VTAMBUF
    F3 07 5A97I  MODIFY   ACCEPTED
    F3 07 5F13I  TRACE INITIATED FOR NODE VTAMBUF
    F3 07 5F04I  VTAM TRACE SUBTASK STARTED

             *************************************************************
             *  THE FOLLOWING SHOWS HOW TO TERMINATE THE TRACE.          *
             *************************************************************

==> F NET,NOTRACE,TYPE=SMS,ID=VTAMBUF      <== TO STOP VTAM TRACING
    F3 07 5A97I  MODIFY   ACCEPTED
    F3 07 5F12I  TRACE TERMINATED FOR NODE= VTAMBUF
==> STOPSD                                 <== TO STOP SDAID TRACE
    AR 15 4C05I PROCESSING OF 'STOPSD' COMMAND SUCCESSFUL
==> ENDSD                                  <== TO REMOVE SDAID
    AR 15 4C05I PROCESSING OF 'ENDSD'  COMMAND SUCCESSFUL
```

```
                        **************************************************************************
                        * DOSVSDMP IS USED TO PRINT THE TAPE AS IT IS FOR I/O ACTIVITY TRACE.  *
                        **************************************************************************

            *BG-00
         ==>  0 // ASSGN SYS006,TAPE
            *BG-00
         ==>  0 EXEC DOSVSDMP
            *BG 00 4C50D  SELECT YOUR OPTION BY NUMBER
             1 CREATE DOSDMPF 2 PRINT DUMP  3 PRT SDAIDTAPE
             4 PRINT FILE     5 INFORMATION 6 EOJ(DEFAULT)
             7 CREATE DOSDMPG 8 CLR DOSDMPF 9 CLR DOSDMPG
            *BG-00
         ==>  0 3

VTAM    BUFFER POOL USE   SEQ.NO = 00000001   DAY 225   TIME 18:58:27
        VF IN USE = 00003   MAX ALLOC = 00003   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00000   CUR AVAIL = 00000
        VP IN USE = 00042   MAX ALLOC = 00064   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00000   CUR AVAIL = 00000
        SF IN USE = 00004   MAX ALLOC = 00004   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00010   CUR AVAIL = 00010
        LF IN USE = 00002   MAX ALLOC = 00003   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00008   CUR AVAIL = 00008
        SP IN USE = 00002   MAX ALLOC = 00003   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00025   CUR AVAIL = 00025
        LP IN USE = 00001   MAX ALLOC = 00002   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00015   CUR AVAIL = 00015
        AP IN USE = 00000   MAX ALLOC = 00000   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00005   CUR AVAIL = 00005
        WP IN USE = 00002   MAX ALLOC = 00002   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00010   CUR AVAIL = 00010
        PP IN USE = 00000   MAX ALLOC = 00000   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00005   CUR AVAIL = 00005
        NP IN USE = 00000   MAX ALLCC = 00000   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00005   CUR AVAIL = 00005
        UP IN USE = 00002   MAX ALLOC = 00003   MAX WAIT = 00000   EXPAND = 00000   MAX AVAIL = 00025   CUR AVAIL = 00025
```

APPENDIX I. OPERATOR DISPLAY COMMAND FOR ACF/VTAME BUFFER USAGE

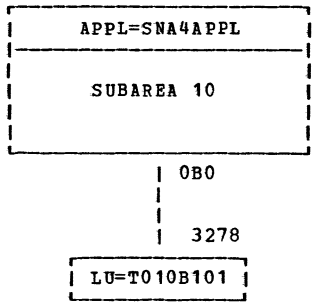
```
*************************************************************************
*                DISPLAY FOR BUFFER POOL UTILIZATION                    *
* AN OPERATOR CAN ISSUE THE DISPLAY COMMAND TO DISPLAY INFORMATION      *
* ABOUT BUFFER USAGE.  IN RESPONSE TO THIS COMMAND, ACF/VTAME IND-      *
* ICATES THAT THE DISPLAY IS FOR BUFFER POOL UTILIZATION AND ISSUES     *
* A SERIES OF MESSAGES CONTAINING MONITORING INFORMATION.               *
*                                                                       *
* FOR EACH BUFFER POOL, THE INFORMATION GIVEN IS:                       *
*              -BUFFER POOL ID                                          *
*              -Q OR F                                                  *
*                   Q-INDICATES THERE IS A CURRENT REQUEST FOR BUFFERS  *
*                   F-INDICATES DYNAMIC BUFFERING TRIED TO EXPAND THE   *
*                     POOL, BUT FAILED                                  *
*              -BUFFER SIZE                                             *
*              -CURRENT NUMBER OF BUFFERS IN THIS POOL                  *
*              -CURRENT NUMBER OF BUFFERS AVAILABLE IN THIS POOL        *
*              -LARGEST NUMBER THIS POOL HAS EXPANDED TO                *
*              -LARGEST NUMBER OF BUFFERS IN USE                        *
*              -CUMULATIVE COUNT OF THE NUMBER OF EXPANSIONS            *
*              -EXPANSION AND CONTRACTION THRESHOLDS                    *
*              -EXPANSION INCREMENT                                     *
*                                                                       *
* FOLLOWING IS AN EXAMPLE OF THE CONSOLE OUTPUT FROM THE OPERATOR       *
* DISPLAY COMMAND FOR BUFFER USAGE.                                     *
*************************************************************************
```

```
==>  D NET,BFRUSE

F3 07 5A97I  DISPLAY  ACCEPTED
F3 07 5D50I  VTAM DISPLAY - DOMAIN TYPE= BUFFER POOL DATA
F3 07 5G32I  BUFF    BUFF  CURR    CURR    MAX     MAX   TIMES    EXP/CONT     EXP
F3 07 5G33I   ID     SIZE TOTAL   AVAIL   TCTAL   USED    EXP    THRESHOLD    INCR
F3 07 5D56I  VF     02048 00007P 00004P  N/A   00003P  N/A       N/A        N/A
F3 07 5D56I  VP     02048 00100P 00058P  N/A   00047P  N/A       N/A        N/A
F3 07 5D56I  SF     00307 00010  00006   00010 00004   00000 00001/-----  00006
F3 07 5D56I  LF   Q 00347 00008  00007   00013 00006   00001 00003/-----  00005
F3 07 5D56I  SP     00167 00025  00022   00025 00004   00000 00001/-----  00011
F3 07 5D56I  LP   F 00810 00015  00015   00015 00002   00000 00001/-----  00002
F3 07 5D56I  AP     00016 00005  00005   00005 00000   00000      N/A       N/A
F3 07 5D56I  WP     00144 00010  00007   00010 00003   00000 00001/-----  00013
F3 07 5D56I  PP     00016 00005  00005   00005 00000   00000      N/A       N/A
F3 07 5D56I  NP     00016 00005  00005   00005 00000   00000      N/A       N/A
F3 07 5D56I  UP     00100 00025  00022   00025 00004   00000      N/A       N/A
F3 07 5D14I  END
```

APPENDIX J. TRACE EXAMPLE (ERROR CONDITION)

FIDO LOCAL NON-SNA



LOCAL 3270 CONFIGURATION

```
*************************************************************************
*                                                                       *
*      L O C A L   N O N - S N A   3 2 7 0   F I D 0   T R A C E        *
*                                                                       *
*    THIS IS AN ACF/VTAME I/O AND BUFFER TRACE OF LOCAL BSC DEVICE      *
*    IN WHICH THE CONTROL UNIT WAS INOPERATIVE.                         *
*    TRACE ACTIVITY INCLUDES:                                           *
*                     1) ACTIVATION OF NODE                             *
*                     2) ERROR RESPONSE FROM THE NODE                   *
*                     3) LOGON TO AN APPL FROM THE SYSTEM CONSOLE       *
*                     4) DEACTIVATION OF THE NODE                       *
*                                                                       *
*               ************************************                    *
*                                                                       *
*     TRACE ENTRIES ARE INTERMIXED WITH THE SYSTEM CONSOLE OUTPUT       *
*     AND COMMENTS . ONLY THE MOST  RELEVANT  MESSAGES  OF SYSTEM       *
*     CONSOLE ARE INSERTED.                                             *
*                                                                       *
*               ************************************                    *
*                                                                       *
*     SEE THE PREVIOUS PAGE FOR THE CONFIGURATION USED FOR THIS TEST.   *
*                                                                       *
*  ==> IS AN INDICATOR INSERTED BY THE WRITER TO SHOW OPERATOR ACTION   *
*                                                                       *
*   SINCE THIS IS A LOCAL NON-SNA DEVICE, COMMANDS AND RESPONSES ARE    *
*   SENT AND RECEIVED IN A FID0 PIU. BETWEEN THE RH AND THE RU THERE    *
*   IS A PAD CHARACTER OF X'00'.   BYTES 0 + 1 OF THE RU CONTAIN THE    *
*   BTU CMD AND MODIFIER, BYTES 2 + 3 CONTAIN THE BTU FLAGS, BYTES 4    *
*   AND 5 CONTAIN THE SYSTEM AND EXTENDED RESPONSE BYTES,  AND BYTES    *
*   6 TO N CONTAIN VARIABLE LENGTH TEXT.  FOR A DETAILED DESCRIPTION    *
*   OF THE BTU FIELDS, COMMANDS, MODIFIERS,  AND RESPONSES, REFER TO    *
*   THE IBM 3704 AND 3705 PROGRAM REFERENCE HANDBOOK.  ALSO THE ACF/    *
*   NCP LOGIC MANUAL APPENDIX B CONTAINS A CROSS-REFERENCE TABLE FOR    *
*   BSC/SS CONTROL COMMANDS.                                            *
*************************************************************************
```

```
CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                          **NOTE:*************************************************************
                          * AFTER VTAME AND THE APPLICATION HAVE BEEN INITIALIZED, THE NETWORK  *
                          * OPERATOR STARTS THE TRACES, AND ACTIVATES THE NODE.                 *
                          ***********************************************************************


             ==> F NET,TRACE,TYPE=IO,ID=T010B202
                 F3 07 5A97I  MODIFY   ACCEPTED
                 F3 07 5F13I  TRACE INITIATED FOR NODE T010B202
             ==> F NET,TRACE,TYPE=BUF,ID=T010B202
                 F3 07 5A97I  MODIFY   ACCEPTED
                 F3 07 5F13I  TRACE INITIATED FOR NODE T010B202
             ==> V NET,ACT,ID=T010B202
                 F3 07 5A97I  VARY     ACCEPTED



TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------

                          ***********************************************************************
                          * THE FIRST COMMAND WE SEE IS 08E3 WHICH IS 'OVERIDE SESSION ADDRESS'. *
                          * IT IS USED TO ESTABLISH THE SSCP WHICH OWNS THE DEVICE AS THE       *
                          * SESSION PARTNER. THE 2-BYTE NETWORK ADDRESS OF THE SESSION PARTNER  *
                          * IS FOUND IN THE FIRST TWO BYTES OF THE TEXT (BYTES 6 + 7 OF THE RU), *
                          * AND IS SET TO ZERO TO RESET THE SESSION OWNER TO THE ORIGINAL SSCP  *
                          * (LINK OWNER), WHICH IN OUR CASE IS ACF/VTAME.                       *
                          ***********************************************************************

  BUF    T010B202/VTAM       79.247/19:16:39.20                OUTBOUND
   VTAM     TH=0D00A012A0018001000C    RH=6B8000
         0008E300  00000000  00                                          ..T......
        PAD|CM|FLAGS|RSP|TEXT...
  IO     T010B202/           79.247/19:16:39.22                OUTBOUND
            TH=0D00A012A0018001000C    RH=6B8000   RU=0008E300000000                    *** OSA COMMAND ***

                          **NOTE:*************************************************************
                          *   THE RESPONSE FROM THE DEVICE IS 6000 - WHICH IS NORMAL RESPONSE.  *
                          ***********************************************************************


  IO            /T010B202   79.247/19:16:39.23                INBOUND
             TH=0D00A001A0128001000A    RH=938000   RU=0008E300006000                    ***  OSA  +RSP  ***
  BUF    VTAM    /T010B202   79.247/19:16:39.24                INBOUND
   VTAM     TH=0D00A001A0128001000A    RH=938000
         0008E300  006000                                            ..T..-.
```

```
                        **NOTE:*************************************************************
                        *  THE NEXT COMMAND IS 0844 - 'RESET IMMEDIATE' AND AGAIN NORMAL RSP.  *
                        *********************************************************************

BUF    T010B202/VTAM       79.247/19:16:39.24                OUTBOUND
 VTAM     TH=0D00A012A0018001000A    RH=6E8000
       00084400  000000                                              .......
IO     T010B202/           79.247/19:16:39.25                OUTBOUND
          TH=0D00A012A0018001000A    RH=6E8000   RU=00084400000000                                  *** RESET IMMED ***
IO           /T010B202     79.247/19:16:39.26                INBOUND
          TH=0D00A001A0128001000A    RH=938000   RU=00084400006000                                  *** RESET +RSP  ***
BUF    VTAM     /T010B202   79.247/19:16:39.27                INBOUND
 VTAM     TH=0D00A001A0128001000A    RH=938000
       00084400  006000                                              .....-.

                        **NOTE:*************************************************************
                        *     NEXT WE SEE 0600 - 'CONTACT NORMAL' AND AGAIN NORMAL RESPONSE.    *
                        *********************************************************************

BUF    T010B202/VTAM       79.247/19:16:39.27                OUTBOUND
 VTAM     TH=0D00A012A0018001000A    RH=6E8000
       00060000  000000                                              .......
IO     T010B202/           79.247/19:16:39.28                OUTBOUND
          TH=0D00A012A0018001000A    RH=6E8000   RU=00060000000000                                *** CONTACT NORM ***
IO           /T010B202     79.247/19:16:39.30                INBOUND
          TH=0D00A001A0128001000A    RH=938000   RU=00060000006000                                *** CONTACT +RSP ***
BUF    VTAM     /T010B202   79.247/19:16:39.30                INBOUND
 VTAM     TH=0D00A001A0128001000A    RH=938000
       00060000  006000                                              .....-.

                        **NOTE:*************************************************************
                        * NOW WE WILL SEE WHAT HAPPENS WHEN VTAME TRIES TO COMMUNICATE TO THE  *
                        * TERMINAL. THE COMMAND IS 0202 - 'WRITE WITH EOT' - THE BTU FLAG      *
                        * BYTES (2 + 3), 1000, INDICATE THIS IS THE FIRST BLOCK OF MESSAGE.    *
                        * FOR AN EXPLANATION OF BTU FLAGS SEE "BTU" IN THE IBM 3704 AND 3705   *
                        * HANDBOOK.                                                           *
                        *********************************************************************

BUF    T010B202/VTAM       79.247/19:16:39.38                OUTBOUND
 VTAM     TH=0C00A012A00100010015    RH=038000
       00020210  00000027  F57A1D40  11C47F1D  4013                 ........5:. .D". .
IO     T010B202/           79.247/19:16:39.46                OUTBOUND
          TH=0C00A012A00100010015    RH=038000   RU=00020210000000                                  *** WRT  W/EOT ***
```

```
                        **NOTE:*************************************************************
                        * THE A180 RESPONSE IS AN ERROR RESPONSE. BTU RESPONSES ARE DOCUMENTED *
                        * IN THE 3704/3705 HANDBOOK SECTION 8. THE BREAKDOWN OF WHAT THE A180  *
                        * MEANS FOLLOWS:                                                       *
                        *                1010 0001 1000 0000                                   *
                        *                | |  | |  |                                          *
                        *                | |  | |  └──── FINAL STATUS - TIME OUT WITH      *
                        *                | |  | |         NOTHING RECEIVED                 *
                        *                | |  | └─────── INITIAL STATUS - SPECIAL          *
                        *                | |  └───────── POSSIBLE INTERVENTION REQUIRED *
                        *                | └──────────── PHASE 1 - I/O WITH A              *
                        *                |               COMMUNICATIONS LINE              *
                        *                └──────────────── ERROR RESPONSE                   *
                        **********************************************************************

IO            /T010B202   79.247/19:16:41.25              INBOUND
      TH=0C00A001A0120001000A    RH=939000   RU=0002021000A180                    *** ERROR  RSP ***
BUF   VTAM    /T010B202   79.247/19:16:41.26              INBOUND
 VTAM     TH=0C00A001A0120001000A    RH=939000
      00020210  00A180                                              .......

                        **NOTE:*************************************************************
                        * THE NEXT COMMAND WE SEE IS 0841 - 'RESET ERROR LOCK' - THIS CLEARS   *
                        * THE ERROR LOCK CONDITION OF A DEVICE.                                *
                        **********************************************************************

BUF   T010B202/VTAM       79.247/19:16:41.26              OUTBOUND
 VTAM     TH=0C00A012A0010001000A    RH=030000
      00084100  000000                                              .......
IO    T010B202/           79.247/19:16:41.28              OUTBOUND
      TH=0C00A012A0010001000A    RH=030000   RU=00084100000000                  ** RESET ERR LOCK **
IO            /T010B202   79.247/19:16:41.34              INBOUND
      TH=0C00A001A0120001000A    RH=938000   RU=00084100006000                  ***  RESET +RSP  ***
BUF   VTAM    /T010B202   79.247/19:16:41.36              INBOUND
 VTAM     TH=0C00A001A0120001000A    RH=938000
      00084100  006000                                              .....-.

CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                        **NOTE:*************************************************************
                        * AT THIS TIME VTAME NOTIFIES THE NETWORK OPERATOR THAT THE DEVICE IS  *
                        * ACTIVE, AND ALSO THAT IT IS INOPERATIVE.                             *
                        **********************************************************************

            F3 07 5A93I  T010B202 ACTIVE
            F3 07 5E46I  I/O ERROR 0E2,DEVICE NOT OPERATIONAL   ,05,00FE,00
```

```
                          **NOTE:*************************************************************
                          *   NOW, SINCE WE CANNOT LOGON AT THE TERMINAL, THE NETWORK OPERATOR   *
                          *   ISSUES THE VARY LOGON COMMAND FROM THE SYSTEM CONSOLE.             *
                          ************************************************************************


              ==> V NET,LOGON=SNA4APPL,ID=T010B202
                  F3 07 5A97I  VARY     ACCEPTED

TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------

                          **NOTE:*************************************************************
                          *      THE FIRST COMMAND THE APPL (SNA4APPL) SENDS IS 089A - 'SET    *
                          *  DESTINATION MODE' - WHICH REPLACES DEVICE MODE FLAGS FOR THE NODE.*
                          *  IMMEDIATELY FOLLOWING THE SET DEST MODE IS THE CMD 088D - 'MODIFY *
                          *  BLOCK HANDLER SET ASSOCIATION' - ACT/DEACT/CHANGE THE ASSOCIATION *
                          *  OF A BLOCK HANDLER SET WITH A DEVICE. APPENDIX B OF THE ACF/NCP   *
                          *  LOGIC MANUAL HAS THE BIT DEFINITIONS OF THE ONE-BYTE TEXT FIELD.  *
                          *  IN OUR CASE THE X'A0' IS THE FUNCTION TO BE PERFORMED:            *
                          *           1) A DIFFERENT BH SET ASSOCIATION IS REQUESTED           *
                          *           2) THE USE OF THE BH SET IS TO BE ACTIVATED              *
                          ************************************************************************

  BUF    T010B202/SNA4APPL   79.247/19:28:35.14              OUTBOUND
   VTAM     TH=0D00A012A0068001000D     RH=6E8000
         00089A00  00000000  0800                                        ..........
  BUF    T010B202/SNA4APPL   79.247/19:28:35.14              OUTBOUND
   VTAM     TH=0D00A012A0068001000B     RH=6E8000
         00088D00  000000A0                                              .........
  IO     T010B202/           79.247/19:28:35.16              OUTBOUND
            TH=0D00A012A0068001000D     RH=6E8000   RU=00089A00000000                                  ** SET DEST MODE **
  IO     T010B202/           79.247/19:28:35.17              OUTBOUND
            TH=0D00A012A0068001000B     RH=6E8000   RU=00088D00000000                                  ** MOD BH ASSOC ***
  IO           /T010B202     79.247/19:28:35.21              INBOUND
            TH=0D00A006A0128001000A     RH=938000   RU=00089A00006000                                * SET DEST MODE +RSP *
  BUF    SNA4APPL/T010B202   79.247/19:28:35.21              INBOUND
   VTAM     TH=0D00A006A0128001000A     RH=938000
         00089A00  006000                                                .....-.
  IO           /T010B202     79.247/19:28:35.22              INBOUND
            TH=0D00A006A0128001000A     RH=938000   RU=00088D00006000                                  ** MOD BH SET +RSP **
  BUF    SNA4APPL/T010B202   79.247/19:28:35.23              INBOUND
   VTAM     TH=0D00A006A0128001000A     RH=938000
         00088D00  006000                                                .....-.
```

```
                              **NCTE:*******************************************************************
                              * NOW THE APPL SENDS 0823 - 'SET SESSION ADDRESS' - TO PASS USE OF A    *
                              * BSC/SS DEVICE TO THE INDICATED APPL FOR A FIDO SESSION. NOTE TEXT     *
                              * BYTES 6 + 7 CONTAIN A006 WHICH IS THE NETWORK ADDRESS FOR SNA4APPL.   *
                              *************************************************************************

BUF    T010B202/SNA4APPL   79.247/19:28:35.23              OUTBOUND
 VTAM     TH=0D00A012A0068001000C    RH=6B8000
       00082300  000000A0  06                                                       .........
                        |    |
                        L_________ 2-BYTE NETWORK ADDRESS OF THE
                                   ELEMENT WHICH IS TO BECOME THE
                                   SESSION PARTNER

IO     T010B202/           79.247/19:28:35.24              OUTBOUND
          TH=0D00A012A0068001000C    RH=6B8000   RU=00082300000000                              *** SSA COMMAND ***

                              **NCTE:*******************************************************************
                              *  THE RESPONSE FROM THE DEVICE WOULD BE 6000 IF SUCCESSFUL. IF THE    *
                              *  ORIGINATOR IS NOT THE CURRENT SESSION PARTNER OR OWNING SSCP, THE   *
                              *  RESPONSE IS 9D00, AS IT IS IN OUR TRACE.                            *
                              *************************************************************************

IO              /T010B202  79.247/19:28:35.26              INBOUND
          TH=0D00A006A0128001000A    RH=939000   RU=000823000009D00                             ***  SSA  -RSP  ***
BUF    SNA4APPL/T010B202   79.247/19:28:35.27              INBOUND
 VTAM     TH=0D00A006A0128001000A    RH=939000
       00082300  009D00                                                             .......

                              **NCTE:*******************************************************************
                              * BECAUSE OF THE NEGATIVE RESPONSE FROM THE DEVICE, THE NEXT COMMAND    *
                              * WE SEE FROM THE APPL IS 0844 - 'RESET IMMEDIATE' - TO END THE CUR-    *
                              * RENT OPERATION ON THE DEVICE. THIS IS FOLLOWED BY 0700 - 'DISCON-     *
                              * NECT NORMAL' - AND THEN THE APPL RESENDS THE 0823 - 'SET SESSION      *
                              * ADDRESS'. THIS TIME THE DEVICE SENDS A POSITIVE RESPONSE.             *
                              *************************************************************************

BUF    T010B202/SNA4APPL   79.247/19:28:35.27              OUTBOUND
 VTAM     TH=0D00A012A0068001000A    RH=6B8000
       00084400  000000                                                             .......
IO     T010B202/           79.247/19:28:35.29              OUTBOUND
          TH=0D00A012A0068001000A    RH=6B8000   RU=00084400000000                              *** RESET  IMM ***
IO              /T010B202  79.247/19:28:35.34              INBOUND
          TH=0D00A006A0128001000A    RH=938000   RU=00084400006000                              *** RESET +RSP ***
BUF    SNA4APPL/T010B202   79.247/19:28:35.35              INBOUND
 VTAM     TH=0D00A006A0128001000A    RH=938000
       00084400  006000                                                             .....-.
BUF    T010B202/SNA4APPL   79.247/19:28:35.35              OUTBOUND
 VTAM     TH=0D00A012A0068001000A    RH=6B8000
```

```
        00070000  000000                                                                     .......
 IO     T010B202/          79.247/19:28:35.37                  OUTBOUND
           TH=0D00A012A0068001000A    RH=6E8000   RU=00070000000000                                        *** DISCONNECT ***
 IO            /T010B202   79.247/19:28:35.49                  INBOUND
           TH=0D00A006A0128001000A    RH=938000   RU=00070000006000                                        *** DISC  +RSP ***
 BUF    SNA4APPL/T010B202  79.247/19:28:35.50                  INBOUND
  VTAM     TH=0D00A006A0128001000A    RH=938000
        00070000  006000                                                                     .....-.
 BUF    T010B202/SNA4APPL  79.247/19:28:35.50                  OUTBOUND
  VTAM     TH=0D00A012AC068001000C    RH=6B8000
        00082300  000000A0  06                                                               .........
 IO     T010B202/          79.247/19:28:35.52                  OUTBOUND
           TH=0D00A012A0068001000C    RH=6B8000   RU=00082300000000                                       ** SET SESS ADD ***
 IO            /T010B202   79.247/19:28:35.54                  INBOUND
           TH=0D00A006A0128001000A    RH=938000   RU=00082300006000                                       ***  SSA  +RSP  ***
 BUF    SNA4APPL/T010B202  79.247/19:28:35.55                  INBOUND
  VTAM     TH=0D00A006A0128001000A    RH=938000
        00082300  006000                                                                     .....-.


CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                         **NOTE:********************************************************************
                         *  THE DEVICE IS NOW CONSIDERED LOGGED ON TO THE APPL AND THE NETWORK  *
                         *  OPERATOR IS NOTIFIED.  THEN SNA4APPL SENDS A BLOCK OF DATA TO THE    *
                         *  DEVICE. THE COMMAND 020B IS 'WRITE WITH CONTACT AND DISCONNECT'.     *
                         *  THIS IS EXECUTED AS A CONTACT CMD FOLLOWED BY WRITE W/EOT FOLLOWED  *
                         *  BY A DISCONNECT.                                                     *
                         *************************************************************************

                  F3 07 5B20I  LOGON PROCESSING OF NODE T010B202 TO CONTROLLER SNA4APPL
                        COMPLETE
                  F4 04 **SNA4APPL:  T010B202 LOGON SUCCESSFUL


TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------


 BUF    T010B202/SNA4APPL  79.247/19:28:35.83                  OUTBOUND
  USER  F5F71140  401D4040  40404040  40404011  40E31D40  E2D5C1F4  C1D7D7D3  11D6601D  57.  .          . T. SNA4APPL.O-.
        40C5D5E3  C5D940C4  C1E3C140  E3D640C5  C3C8D640  C2C5D3D6  E6115CF0  1D40D7D9   ENTER DATA TO ECHO BELOW.*0. PR
        C5E2E240  7DC5D5E3  C5D97D40  E3D640C5  C3C8D65E  407DC3D3  C5C1D97D  40D9C5E2  ESS 'ENTER' TO ECHO; 'CLEAR' RES
        C5E3E240  E2C3D9C5  C5D55E40  7DD7C1F1  7D40E3D6  40E2E3C1  D9E361E2  E3D6D740  ETS SCREEN; 'PA1' TO START/STOP
        C1E4E3D6  40C5C3C8  D64B11D7  F01D4013                                          AUTO ECHO..P0. .
 BUF    T010B202/SNA4APPL  79.247/19:28:35.86                  OUTBOUND
  VTAM     TH=0C00A012A0061001009B    RH=0380C0
        00020B10  00000027  F5F71140  401D4040  40404040  40404011  40E31D40  E2D5C1F4  ........57.  .          . T. SNA4
        C1D7D7D3  11D6601D  40C5D5E3  C5D940C4  C1E3C140  E3D640C5  C3C8D640  C2C5D3D6  APPL.O-. ENTER DATA TO ECHO BELO
        E6115CF0  1D40D7D9  C5E2E240  7DC5D5E3  C5D97D40  E3D640C5  C3C8D65E  407DC3D3  W.*0. PRESS 'ENTER' TO ECHO; 'CL
        C5C1D97D  40D9C5E2  C5E3E240  E2C3D9C5  C5D55E40  7DD7C1F1  7D40E3D6  40E2E3C1  EAR' RESETS SCREEN; 'PA1' TO STA
        D9E361E2  E3D6D740  C1E4E3D6  40C5C3C8  D64B11D7  F01D4013                      RT/STOP AUTO ECHO..P0. .
```

```
IO      T010B202/           79.247/19:28:35.91              OUTBOUND
          TH=0C00A012A0061001009B    RH=0380C0   RU=00020B10000000                    *** WCD COMMAND ***

                        **NOTE:*************************************************************
                        *  WE GET A NEGATIVE RESPONSE FROM THE DEVICE, AGAIN THE A180 WHICH IS *
                        *  'POSSIBLE INTERVENTION REQUIRED - TIMEOUT WITH NO DATA RECEIVED'.   *
                        *********************************************************************

IO            /T010B202   79.247/19:28:38.14              INBOUND
          TH=0C00A006A0121001000A    RH=939000   RU=00020B1000A180                    *** WCD   -RSP  ***
BUF     SNA4APPL/T010B202   79.247/19:28:38.14              INBOUND
 VTAM     TH=0C00A006A0121001000A    RH=939000
        00020B10  00A180                                          .......

                        **NOTE:*************************************************************
                        *     THE 'RESET ERROR LOCK' COMMAND (0841) IS SENT NEXT, FOLLOWED    *
                        *     IMMEDIATELY BY A 'DISCONNECT NORMAL' COMMAND (0700).            *
                        *      WE SEE NORMAL RESPONSE (6000) TO BOTH COMMANDS.                *
                        *********************************************************************

BUF     T010B202/SNA4APPL   79.247/19:28:38.15              OUTBOUND
 VTAM     TH=0C00A012A0061001000A    RH=030000
        00084100  000000                                          .......
BUF     T010B202/SNA4APPL   79.247/19:28:38.15              OUTBOUND
 VTAM     TH=0C00A012A0061001000A    RH=030000
        00070000  000000                                          .......
IO      T010B202/           79.247/19:28:38.20              OUTBOUND
          TH=0C00A012A0061001000A    RH=030000   RU=00084100000000                     *** RESET ERR LOCK...
IO      T010B202/           79.247/19:28:38.20              OUTBOUND
          TH=0C00A012A0061001000A    RH=030000   RU=00070000000000                     ... DISCONNECT    ***
IO            /T010B202   79.247/19:28:38.24              INBOUND
          TH=0C00A006A0121001000A    RH=938000   RU=00084100006000                    *** RES ERR LK RSP ...
BUF     SNA4APPL/T010B202   79.247/19:28:38.25              INBOUND
 VTAM     TH=0C00A006A0121001000A    RH=938000
        00084100  006000                                          .....-.
IO            /T010B202   79.247/19:28:38.26              INBOUND
          TH=0C00A006A0121001000A    RH=938000   RU=00070000006000                    ... DISCONNECT RSP ***
BUF     SNA4APPL/T010B202   79.247/19:28:38.26              INBOUND
 VTAM     TH=0C00A006A0121001000A    RH=938000
        00070000  006000                                          .....-.

                        **NOTE:*************************************************************
                        * NEXT COMMAND IS 0844 - 'RESET IMMEDIATE'. RESPONSE IS NORMAL - 6000. *
                        *********************************************************************

BUF     T010B202/SNA4APPL   79.247/19:28:38.44              OUTBOUND
 VTAM     TH=0D00A012A0068002000A    RH=6B8000
        00084400  000000                                          .......
```

```
IO      T010B202/           79.247/19:28:38.46              OUTBOUND
          TH=0D00A012A0068002000A     RH=6E8000   RU=00084400000000                          *** RESET IMM ***
IO              /T010B202   79.247/19:28:38.50              INBOUND
          TH=0D00A006A0128002000A     RH=938000   RU=00084400006000                          *** RESET RSP ***
BUF     SNA4APPL/T010B202   79.247/19:28:38.50              INBOUND
 VTAM       TH=0D00A006A0128002000A     RH=938000
        00084400  006000                                                  .....-.

                          **NOTE:*************************************************************
                          *  AFTER THE RESET ERROR LOCK, THE APPL SENDS ANOTHER DISCONNECT.   *
                          *    THE RESPONSE IS 8800.                                          *
                          *********************************************************************


BUF     T010B202/SNA4APPL   79.247/19:28:38.51              OUTBOUND
 VTAM       TH=0D00A012A0068002000A     RH=6E8000
        00070000  000000                                                  .......
IO      T010B202/           79.247/19:28:38.55              OUTBOUND
          TH=0D00A012A0068002000A     RH=6E8000   RU=00070000000000                          *** DISCONNECT ***
IO              /T010B202   79.247/19:28:38.59              INBOUND
          TH=0D00A006A0128002000A     RH=939000   RU=00070000008800                          *** DISC RESP  ***
BUF     SNA4APPL/T010B202   79.247/19:28:38.60              INBOUND
 VTAM       TH=0D00A006A0128002000A     RH=939000
        00070000  008800                                                  .....H.

                          **NOTE:*************************************************************
                          * DUE TO THE ERROR RESPONSE, WE SEE ANOTHER 'RESET ERROR LOCK' CMD.  *
                          *********************************************************************


BUF     T010B202/SNA4APPL   79.247/19:28:38.60              OUTBOUND
 VTAM       TH=0D00A012A0068002000A     RH=6E8000
        00084100  000000                                                  .......
IO      T010B202/           79.247/19:28:38.62              OUTBOUND
          TH=0D00A012A0068002000A     RH=6E8000   RU=00084100000000                        *** RESET ERR LOCK ***
IO              /T010B202   79.247/19:28:38.69              INBOUND
          TH=0D00A006A0128002000A     RH=938000   RU=00084100006000                     *** RESET ERR LK RSP ***
BUF     SNA4APPL/T010B202   79.247/19:28:38.70              INBOUND
 VTAM       TH=0D00A006A0128002000A     RH=938000
        00084100  006000                                                  .....-.

                          **NOTE:*************************************************************
                          *  NOW THE APPL SENDS 0823 - 'SET SESSION ADDRESS' TO GIVE THE DEVICE  *
                          *  BACK TO VTAME. NOTE THE RU TEXT BYTES (7 + 8) CONTAIN ZEROES. TEXT  *
                          *  IN THE 'SSA' CMD GIVE THE 2-BYTE NETWORK ADDRESS OF THE NETWORK     *
                          *  ELEMENT WHICH IS TO BECOME THE SESSION PARTNER. ZEROES IN THIS CASE *
                          *  INDICATE THE LINK OWNER, OR VTAME.                                  *
                          *********************************************************************


BUF     T010B202/SNA4APPL   79.247/19:28:38.70              OUTBOUND
```

```
 VTAM      TH=0D00A012A0068002000C     RH=6B8000
      00082300  00000000  00                                                            .........
                       |    |
                       └─────────── 2-BYTE NETWORK ADDRESS OF ELEMENT TO
                            BECOME THE SESSION PARTNER (0000 = VTAME)

IO     T010B202/            79.247/19:28:38.71                OUTBOUND
          TH=0D00A012A0068002000C     RH=6B8000   RU=00082300000000                                   ***  SSA CMD  ***
IO              /T010B202   79.247/19:28:38.74                INBOUND
          TH=0D00A006A0128002000A     RH=938000   RU=00082300006000                                   *** SSA RESP  ***
BUF    SNA4APPL/T010B202    79.247/19:28:38.75                INBOUND
 VTAM      TH=0D00A006A0128002000A     RH=938000
      00082300  006000                                                                  .....-.

                            **NOTE:**********************************************************************
                            * VTAME NOW SENDS 08E3 - 'OVERRIDE SESSION ADDRESS' TO ESTABLISH THE   *
                            * ORIGINAL SSCP (LINK OWNER) AS THE SESSION PARTNER.                   *
                            *************************************************************************

BUF    T010B202/VTAM        79.247/19:28:38.98                OUTBOUND
 VTAM      TH=0D00A012A0018002000C     RH=6B8000
      0008E300  00000000  00                                                            ..T......
IO     T010B202/            79.247/19:28:39.00                OUTBOUND
          TH=0D00A012A0018002000C     RH=6B8000   RU=0008E300000000                         *** O'RIDE SESS ADD ***
IO              /T010B202   79.247/19:28:39.01                INBOUND
          TH=0D00A001A0128002000A     RH=938000   RU=0008E300006000                         *** OSA RESPONSE    ***
BUF    VTAM     /T010B202   79.247/19:28:39.01                INBOUND
 VTAM      TH=0D00A001A0128002000A     RH=938000
      0008E300  006000                                                                  ..T..-.

                            **NOTE:**********************************************************************
                            * NEXT VTAME SENDS 'RESET IMMEDIATE' - 0844.                           *
                            *************************************************************************

BUF    T010B202/VTAM        79.247/19:28:39.02                OUTBOUND
 VTAM      TH=0D00A012A0018002000A     RH=6B8000
      00084400  000000                                                                  .......
IO     T010B202/            79.247/19:28:39.03                OUTBOUND
          TH=0D00A012A0018002000A     RH=6B8000   RU=00084400000000
IO              /T010B202   79.247/19:28:39.04                INBOUND
          TH=0D00A001A0128002000A     RH=938000   RU=00084400C06000
BUF    VTAM     /T010B202   79.247/19:28:39.04                INBOUND
 VTAM      TH=0D00A001A0128002000A     RH=938000
      00084400  006000                                                                  .....-.
```

```
                        **NOTE:*************************************************************
                        *  NEXT IS DISCONNECT - 0700, RESPONSE IS 8800                      *
                        ************************************************************************

BUF     T010B202/VTAM       79.247/19:28:39.05              OUTBOUND
 VTAM      TH=0D00A012A0018002000A    RH=6E8000
        00070000  000000                                                    .......
IO      T010B202/           79.247/19:28:39.09              OUTBOUND
          TH=0D00A012A0018002000A    RH=6E8000   RU=00070000000000
IO             /T010B202    79.247/19:28:39.10              INBOUND
          TH=0D00A001A0128002000A    RH=939000   RU=00070000008800
BUF     VTAM    /T010B202    79.247/19:28:39.11              INBOUND
 VTAM      TH=0D00A001A0128002000A    RH=939000
        00070000  008800                                                    .....H.

                        **NOTE:*************************************************************
                        *  THEN WE SEE 0841 - 'RESET ERROR LOCK' - NORMAL RESPONSE.        *
                        ************************************************************************

BUF     T010B202/VTAM       79.247/19:28:39.11              OUIBOUND
 VTAM      TH=0D00A012A0018002000A    RH=6E8000
        00084100  000000                                                    .......
IO      T010B202/           79.247/19:28:39.12              OUTBOUND
          TH=0D00A012A0018002000A    RH=6E8000   RU=00084100000000
IO             /T010B202    79.247/19:28:39.14              INBOUND
          TH=0D00A001A0128002000A    RH=938000   RU=00084100006000
BUF     VTAM    /T010B202    79.247/19:28:39.14              INBOUND
 VTAM      TH=0D00A001A0128002000A    RH=938000
        00084100  006000                                                    .....-.

                        **NCTE:*************************************************************
                        *    NOW VTAME SENDS 'WRITE WITH CONTACT' - 020A. THIS IS EXECUTED AS *
                        *    A CONTACT FOLLOWED BY WRITE WITH EOT.                          *
                        ************************************************************************

BUF     T010B202/VTAM       79.247/19:28:39.34              OUTBOUND
 VTAM      TH=0C00A012A00100020015    RH=038080
        00020A10  00000027  F57A1D40  11C47F1D  4013                        ........5:. .D". .
IO      T010B202/           79.247/19:28:39.36              OUTBOUND
          TH=0C00A012A00100020015    RH=038080   RU=00020A10000000

                        **NOTE:*************************************************************
                        * BEFORE THE RESPONSE TO THE CONTACT, AN UNBIND IS SEEN IN THE BUFFER  *
                        * TRACE. BECAUSE THIS IS A BSC DEVICE, THE UNBIND DOES NOT GO TO THE   *
                        * DEVICE (NOTE THE ABSENSE OF I/O TRACE ENTRIES). VTAME SENDS THE      *
                        * UNBIND INTERNALLY TO TERMINATE THE SESSION BETWEEN THE APPLICATION   *
                        * AND THE LOCAL BSC 3270 TERMINAL.                                    *
                        ************************************************************************
```

```
  BUF    T010B202/SNA4APPL   79.247/19:28:39.45                OUTBOUND
   VTAM     TH=1D00A012A00600030005    RH=6E8000
         3201                                                              ..
  BUF    SNA4APPL/T010B202   79.247/19:28:39.46                INBOUND
   VTAM     TH=1D00A006A01200030004    RH=EE8000
         32                                                                .

                           **NOTE:*************************************************************
                           * NOW THE RESPONSE TO CONTACT IS RECEIVED AND AGAIN IT IS A180, WHICH  *
                           * IS 'INTERVENTION REQUIRED, TIMEOUT - NO RESPONSE RECEIVED'           *
                           ************************************************************************


  IO           /T010B202   79.247/19:28:40.45                INBOUND
            TH=0C00A001A0120002000A    RH=939000   RU=00020A1000A180
  BUF    VTAM    /T010B202   79.247/19:28:40.45                INBOUND
   VTAM     TH=0C00A001A0120002000A    RH=939000
         00020A10  00A180                                                 .......


CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------

                           **NOTE:*************************************************************
                           *  VTAME AGAIN NOTIFIES THE OPERATOR THAT THE DEVICE IS INOPERATIVE.   *
                           ************************************************************************

              145  F3 07 5E46I  I/O ERROR 0E2,DEVICE NOT OPERATIONAL   ,05,00FE,00

TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------

                           **NOTE:*************************************************************
                           *  THE LAST COMMAND SENT TO THE DEVICE IS 0844 - 'RESET IMMEDIATE' -   *
                           *   END COMMUNICATION WITH THE DEVICE.                                 *
                           ************************************************************************


  BUF    T010B202/VTAM       79.247/19:28:40.46                OUTBOUND
   VTAM     TH=0C00A012A00010002000A    RH=030000
         00084100  000000                                                 .......
  IO     T010B202/           79.247/19:28:40.48                OUTBOUND
            TH=0C00A012A00010002000A    RH=030000   RU=00084100000000
  IO           /T010B202   79.247/19:28:40.51                INBOUND
            TH=0C00A001A0120002000A    RH=938000   RU=00084100006000
  BUF    VTAM    /T010B202   79.247/19:28:40.55                INBOUND
   VTAM     TH=0C00A001A0120002000A    RH=938000
         00084100  006000                                                 .....-.
```

```
CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                          **NOTE:*************************************************************
                          *  NOW THE OPERATOR DEACTIVATES THE LOGICAL UNIT.                   *
                          *********************************************************************

            172  V NET,INACT,ID=T010B202
            173  F3 07 5A97I  VARY     ACCEPTED

TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------

                          **NOTE:*************************************************************
                          *  THE FIRST COMMAND IS AGAIN 08E3 - 'OVERRIDE SESSION ADDRESS'...  *
                          *********************************************************************

  BUF     T010B202/VTAM        79.247/19:30:15.33                OUTBOUND
   VTAM      TH=0D00A012A0018004000C     RH=6E8000
        0008E300  00000000  00                                              ..T......
  IO      T010B202/            79.247/19:30:15.35                OUTBOUND
             TH=0D00A012A0018004000C     RH=6E8000   RU=0008E300000000
  IO              /T010B202    79.247/19:30:15.36                INBOUND
             TH=0D00A001A0128004000A     RH=938000   RU=0008E300006000
  BUF     VTAM     /T010B202    79.247/19:30:15.37                INBOUND
   VTAM      TH=0D00A001A0128004000A     RH=938000
        0008E300  006000                                                    ..T..-.

                          **NOTE:*************************************************************
                          * ...FOLLOWED BY 0844 - 'RESET ERROR LOCK'...                       *
                          *********************************************************************

  BUF     T010B202/VTAM        79.247/19:30:15.37                OUTBOUND
   VTAM      TH=0D00A012A0018004000A     RH=6E8000
        00084400  000000                                                    .......
  IO      T010B202/            79.247/19:30:15.38                OUTBOUND
             TH=0D00A012A0018004000A     RH=6E8000   RU=00084400000000
  IO              /T010B202    79.247/19:30:15.39                INBOUND
             TH=0D00A001A0128004000A     RH=938000   RU=00084400006000
  BUF     VTAM     /T010B202    79.247/19:30:15.40                INBOUND
   VTAM      TH=0D00A001A0128004000A     RH=938000
        00084400  006000                                                    .....-.

                          **NOTE:*************************************************************
                          * ...AND 0700 - 'DISCONNECT NORMAL'...                              *
                          *********************************************************************
```

```
BUF     T010B202/VTAM        79.247/19:30:15.40                OUTBOUND
 VTAM      TH=0D00A012A0018004000A     RH=6E8000
        00070000  000000                                                .......
IO      T010B202/            79.247/19:30:15.41                OUTBOUND
           TH=0D00A012A0018004000A     RH=6E8000   RU=00070000000000
IO            /T010B202      79.247/19:30:15.45                INBOUND
           TH=0D00A001A0128004000A     RH=938000   RU=00070000006000
BUF     VTAM     /T010B202    79.247/19:30:15.46                INBOUND
 VTAM      TH=0D00A001A0128004000A     RH=938000
        00070000  006000                                                .....-.

                            **NOTE:*************************************************************
                            * ...AND FINALLY THE VTAME INTERNAL UNBIND TO TERMINATE THE SSCP-LU    *
                            *    SESSION.                                                        *
                            *************************************************************************

BUF     T010B202/VTAM        79.247/19:30:15.68                OUTBOUND
 VTAM      TH=1D00A012A00100050005     RH=6E8000
        3201                                                             ..
BUF     VTAM     /T010B202    79.247/19:30:15.69                INBOUND
 VTAM      TH=1D00A001A01200050004     RH=EB8000
        32                                                               .

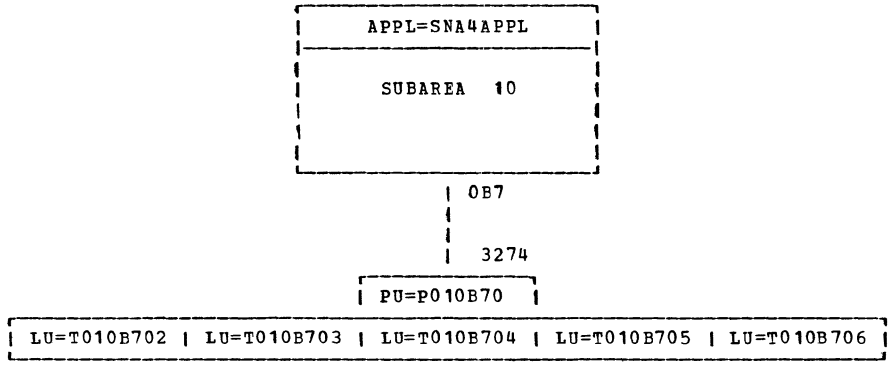
CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                            **NCTE:*************************************************************
                            *  NOW VTAME NOTIFIES THE OPERATOR THAT THE NODE IS INACTIVE.          *
                            *************************************************************************

          174  F3 07 5B05I  T010B202 NODE NOW INACTIVE
```

APPENDIX K. TRACE EXAMPLES (NORMAL FLOW)

LOCAL SNA



SINGLE DOMAIN CONFIGURATION (LOCAL SNA 3270)

```
**************************************************************************
*                                                                        *
*              L C C A L   S N A   3 2 7 0   T R A C E                   *
*                                                                        *
*    THIS IS A NORMAL FLOW I/O AND BUFFER TRACE OF A LOCAL SNA DEVICE    *
*    INCLUDING:                                                          *
*                      1) ACTIVATION OF NODE                             *
*                      2) LOGON TO AN APPL (SNA4APPL)                    *
*                      3) DATA FLOW BETWEEN THE TERM AND APPL            *
*                      4) DEACTIVATION OF THE NODE                       *
*                  ***************************************               *
*     TRACE ENTRIES ARE INTERMIXED WITH THE SYSTEM CONSOLE OUTPUT        *
*     AND COMMENTS . ONLY THE MOST  RELEVANT  MESSAGES  OF SYSTEM        *
*     CONSOLE ARE INSERTED.                                              *
*                  ***************************************               *
*     SEE THE PREVIOUS PAGE FOR THE CONFIGURATION USED FOR THIS TEST.    *
*                                                                        *
*  ==> IS AN INDICATOR INSERTED BY THE WRITER TO SHOW OPERATOR ACTION    *
**************************************************************************

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------

**NOTE:**********************************************************************
* AFTER VTAME AND THE APPLICATION (SNA4APPL) HAVE BEEN INITIALIZED,          *
* THE NETWORK OPERATOR INITIALIZES THE TRACES AND ACTIVATES THE NODES.       *
**********************************************************************

==>  F NET,TRACE,TYPE=IO,ID=P010B70
     F3 07 5A97I  MODIFY   ACCEPTED
     F3 07 5F13I  TRACE INITIATED FOR NODE P010B70
     F3 07 5F04I  VTAM TRACE SUBTASK STARTED
==>  F NET,TRACE,TYPE=BUF,ID=P010B70
     F3 07 5A97I  MODIFY   ACCEPTED
     F3 07 5F13I  TRACE INITIATED FOR NODE P010B70
==>  F NET,TRACE,TYPE=IO,ID=T010B702
     F3 07 5A97I  MODIFY   ACCEPTED
     F3 07 5F13I  TRACE INITIATED FOR NODE T010B702
==>  F NET,TRACE,TYPE=BUF,ID=T010B702
     F3 07 5A97I  MODIFY   ACCEPTED
     F3 07 5F13I  TRACE INITIATED FOR NODE T010B702
 ==> V NET,ACT,ID=P010B70
     F3 07 5A97I  VARY     ACCEPTED
```

```
TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * AS A RESULT OF THE VARY ACTIVATE COMMAND, VTAME SENDS 'ACTPU' TO THE *
                          * PHYSICAL UNIT, WHICH IS WHAT WE SEE IN THE FIRST TRACE ENTRIES.      *
                          **********************************************************************

  BUF     P010B70 /VTAM       79.251/01:34:53.90                OUTBOUND
   VTAM      TH=1D00A018A0010001000C     RH=6E8000
         11010105  00000000  0A                                              .........
  IO      P010B70 /           79.251/01:34:53.91                OUTBOUND
             TH=1D00A018A0010001000C     RH=6E8000   RU=11010105000000                                    *** ACTPU  REQ ***

                          **NOTE:*************************************************************
                          * THE RESPONSE BACK FROM THE DEVICE IS POSITIVE DR1 TO THE ACTPU.      *
                          **********************************************************************

  IO              /P010B70    79.251/01:34:53.95                INBOUND
             TH=1D00A001A01800010017     RH=EE8000   RU=11114040404040                                  *** ACTPU +RSP ***
  BUF     VTAM    /P010B70    79.251/01:34:53.95                INBOUND
   VTAM      TH=1D00A001A01800010017     RH=EB8000
         11114040  40404040  40400000  07000000  00000000                                  ..        .........

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------

                          **NOTE:*************************************************************
                          * VTAME NOTIFIES THE OPERATOR THAT THE PU IS ACTIVE, AND THE OPERATOR  *
                          * ACTIVATES THE LU.                                                    *
                          **********************************************************************

                F3 07 5A93I  P010B70  ACTIVE
             ==>  V NET,ACT,ID=T010B702
                F3 07 5A97I  VARY     ACCEPTED
                F3 07 5A93I  T010B702 ACTIVE

TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * VTAME NOW SENDS ACTLU AND RECEIVES A POSITIVE RESPONSE ACTLU FROM LU.*
                          **********************************************************************

  BUF     T010B702/VTAM       79.251/01:34:54.20                OUTBOUND
```

```
 VTAM      TH=1D00A019A00100010006    RH=6B8000
        0D0101                                                                    ...
IO      T010B702/            79.251/01:34:54.21              OUTBOUND
           TH=1D00A019A00100010006    RH=6B8000   RU=0D0101                                     *** ACTLU REQ  ***
IO              /T010B702    79.251/01:34:54.25              INBOUND
           TH=1D00A001A01900010013    RH=EB8000   RU=0D010100850000                             *** +RSP ACTLU ***
BUF     VTAM    /T010B702    79.251/01:34:54.25              INBOUND
 VTAM      TH=1D00A001A01900010013    RH=EB8000
        0D010100  85000000  0C060300  01000000                                    ....E...........
```

```
CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------
```

```
                    **NOTE:*****************************************************************
                    * WHEN THE OPERATOR NOW DISPLAYS THE STATUS OF THE LOCAL SNA PU WITH   *
                    * THE EVERY PARAMETER, IT IS FOUND THAT ALL IS OK TO START A SESSION.  *
                    ************************************************************************


      ==>  D NET,ID=P010B70,E
           F3 07 5A97I  DISPLAY  ACCEPTED
           F3 07 5A75I  VTAM DISPLAY - NODE TYPE= PHYSICAL UNIT
           F3 07 5E86I  NAME = P010B70   , STATUS = ACTIV
           F3 07 5B36I  LOCAL    SNA MAJOR NODE = SNAH011
           F3 07 5A77I  SIO= 00000006 ,ERROR CT= 00000000 CUA= 0B7
           F3 07 5G54I  I/O TRACE= ON   ,BUFFER TRACE= ON
           F3 07 5D55I  LOGICAL UNITS:
           F3 07 5A80I  T010B702 ACTIV      T010B703 NEVAC      T010B704 NEVAC
           F3 07 5A80I  T010B705 NEVAC      T010B706 NEVAC
           F3 07 5D14I  END


                    **NOTE:*****************************************************************
                    * THE OPERATOR NOW FINDS THE STATUS OF THE APPL THAT IS TO BE CONNECTED*
                    * BY A SESSION WITH THE LU.                                            *
                    ************************************************************************


      ==>  D NET,ID=SNA4APPL,E
           F3 07 5A97I  DISPLAY  ACCEPTED
           F3 07 5A75I  VTAM DISPLAY - NODE TYPE= APPL
           F3 07 5E86I  NAME = SNA4APPL , STATUS = ACTIV
           F3 07 5G54I  I/O TRACE= OFF ,BUFFER TRACE= OFF
           F3 07 5B71I  ACTIVE SESSIONS = 0000 SESSION REQUESTS = 0000
           F3 07 5C06I  SESSIONS:
           F3 07 5B72I  NO SESSIONS       EXIST
           F3 07 5D14I  END
```

```
TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * AT THIS POINT  VTAME   RECEIVES A LOGON REQUEST FROM THE OPERATOR OF *
                          * T010B702. VTAME SENDS A POSITIVE RESPONSE UPON RECEPTION OF THE      *
                          * REQUEST.                                                            *
                          **********************************************************************


  IO            /T010B702   79.251/01:35:38.71                INBOUND
        TH=1C00A001A01900000019    RH=038000   RU=93968796954081
  BUF     VTAM    /T010B702   79.251/01:35:38.71                INBOUND
   VTAM     TH=1C00A001A01900000019    RH=038000
        93968796  95408197  97938984  4DA29581  F4819797  935D                          LOGON APPLID(SNA4APPL)
  BUF     T010B702/VTAM       79.251/01:35:39.63                OUTBOUND
   VTAM     TH=1C00A019A00100000003    RH=838000
  IO      T010B702/           79.251/01:35:39.65                OUTBOUND
           TH=1C00A019A00100000003    RH=838000

                          **NOTE:*************************************************************
                          * THE NEXT COMMAND TO FLOW IS A BIND REQUEST TO THE LU, AND A POSITIVE *
                          * RESPONSE IS RECEIVED.                                               *
                          **********************************************************************


  BUF     T010B702/SNA4APPL   79.251/01:35:42.10                OUTBOUND
   VTAM     TH=1D00A019A00600010028    RH=6E8000
        31010303  B1903080  000187F8  81000200  00000000  18500000  7E000008  E2D5C1F4  ..........G8A........&..=...SNA4
        C1D7D7D3  00                                                                    APPL.
  IO      T010B702/           79.251/01:35:42.12                OUTBOUND
           TH=1D00A019A00600010028    RH=6B8000   RU=31010303B19030                                    *** BIND REQ  ***
  IO            /T010B702   79.251/01:35:42.19                INBOUND
           TH=1D00A006A01900010004    RH=EB8000   RU=31                                               *** +RSP BIND ***
  BUF     SNA4APPL/T010B702   79.251/01:35:42.20                INBOUND
   VTAM     TH=1D00A006A01900010004    RH=EE8000
        31                                                                              .

                          **NOTE:*************************************************************
                          * BEFORE WE HAVE A SESSION ESTABLISHED, THERE IS ONE MORE COMMAND TO   *
                          * FLOW BETWEEN VTAME AND THE LU. HERE WE SEE A START DATA TRAFFIC (SDT)*
                          * REQUEST AND POSITIVE RESPONSE.                                      *
                          **********************************************************************


  BUF     T010B702/SNA4APPL   79.251/01:35:42.27                OUTBOUND
   VTAM     TH=1D00A019A00600020004    RH=6B8000
        A0                                                                              .
  IO      T010B702/           79.251/01:35:42.37                OUTBOUND
           TH=1D00A019A00600020004    RH=6B8000   RU=A0                                     *** SDT REQ  ***
  IO            /T010B702   79.251/01:35:42.41                INBOUND
           TH=1D00A006A01900020004    RH=EB8000   RU=A0                                    *** +RSP SDT  ***
```

```
BUF     SNA4APPL/T010B702   79.251/01:35:42.42                INBOUND
 VTAM      TH=1D00A006A01900020004    RH=EB8000
        A0                                                                  .
                         **NOTE:***************************************************************
                         * NOW THAT A SESSION IS ESTABLISHED, DATA CAN START FLOWING BETWEEN    *
                         * THE APPLICATION AND THE LU. NOTE THAT THE BUFFERS AT BOTH THE APPLI- *
                         * CATION LEVEL AND AT VTAME I/O LEVEL ARE TRACED.                      *
                         ***********************************************************************


BUF     T010B702/SNA4APPL   79.251/01:35:42.48                 OUTBOUND
 USER   F5F71140  401D4040  40404040  40404011  40E31D40  E2D5C1F4  C1D7D7D3  11D6601D  57.  .          . T. SNA4APPL.O-.
        40C5D5E3  C5D940C4  C1E3C140  E3D640C5  C3C8D640  C2C5D3D6  E6115CF0  1D40D7D9   ENTER DATA TO ECHO BELOW.*0. PR
        C5E2E240  7DC5D5E3  C5D97D40  E3D640C5  C3C8D65E  407DC3D3  C5C1D97D  40D9C5E2  ESS 'ENTER' TO ECHO; 'CLEAR' RES
        C5E3E240  E2C3D9C5  C5D55E40  7DD7C1F1  7D40E3D6  40E2E6C9  E3C3C840  E2C3D9C5  ETS SCREEN; 'PA1' TO SWITCH SCRE
        C5D540E2  C9E9C54B  11D7F01D  4013                                              EN SIZE..P0. .
BUF     T010B702/SNA4APPL   79.251/01:35:42.49                 OUTBOUND
 VTAM      TH=1C00A019A00600010091    RH=0381C0
        F5F71140  401D4040  40404040  40404011  40E31D40  E2D5C1F4  C1D7D7D3  11D6601D  57.  .          . T. SNA4APPL.O-.
        40C5D5E3  C5D940C4  C1E3C140  E3D640C5  C3C8D640  C2C5D3D6  E6115CF0  1D40D7D9   ENTER DATA TO ECHO BELOW.*0. PR
        C5E2E240  7DC5D5E3  C5D97D40  E3D640C5  C3C8D65E  407DC3D3  C5C1D97D  40D9C5E2  ESS 'ENTER' TO ECHO; 'CLEAR' RES
        C5E3E240  E2C3D9C5  C5D55E40  7DD7C1F1  7D40E3D6  40E2E6C9  E3C3C840  E2C3D9C5  ETS SCREEN; 'PA1' TO SWITCH SCRE
        C5D540E2  C9E9C54B  11D7F01D  4013                                              EN SIZE..P0. .
IO      T010B702/           79.251/01:35:42.52                 OUTBOUND
           TH=1C00A019A00600010091    RH=0381C0    RU=F5F71140401D40
IO               /T010B702  79.251/01:35:42.62                 INBOUND
           TH=1C00A006A01900010003    RH=838100
BUF     SNA4APPL/T010B702   79.251/01:35:42.63                 INBOUND
 VTAM      TH=1C00A006A01900010003    RH=838100
IO               /T010B702  79.251/01:36:10.39                 INBOUND
           TH=1C00A006A01900010033    RH=0390A0    RU=7DD85B11D7F1A3
BUF     SNA4APPL/T010B702   79.251/01:36:10.39                 INBOUND
 VTAM      TH=1C00A006A01900010033    RH=0390A0
        7DD85B11  D7F1A388  89A24089  A2408140  A385A2A3  40869699  40814093  96838193  'Q$.P1THIS IS A TEST FOR A LOCAL
        40A29581  40F3F2F7  F0408485  A5898385                                           SNA 3270 DEVICE
BUF     SNA4APPL/T010B702   79.251/01:36:10.51                 INBOUND
 USER   7DD85B11  D7F1A388  89A24089  A2408140  A385A2A3  40869699  40814093  96838193  'Q$.P1THIS IS A TEST FOR A LOCAL
        40A29581  40F3F2F7  F0408485  A5898385                                           SNA 3270 DEVICE
BUF     T010B702/SNA4APPL   79.251/01:36:10.70                 OUTBOUND
 USER   F1F31140  E31D40E2  D5C1F4C1  D7D7D311  C1501D40  A38889A2  4089A240  8140A385  13. T. SNA4APPL.A&. THIS IS A TE
        A2A34086  96994081  40939683  819340A2  958140F3  F2F7F040  8485A589  83854040  ST FOR A LOCAL SNA 3270 DEVICE
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
BUF     T010B702/SNA4APPL   79.251/01:36:10.71                 OUTBOUND
 VTAM      TH=1C00A019A00600020189    RH=038160
        F1F31140  E31D40E2  D5C1F4C1  D7D7D311  C1501D40  A38889A2  4089A240  8140A385  13. T. SNA4APPL.A&. THIS IS A TE
        A2A34086  96994081  40939683  819340A2  958140F3  F2F7F040  8485A589  83854040  ST FOR A LOCAL SNA 3270 DEVICE
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
```

```
        40404040  40404040  40404040  40404040  404040
  IO    T010B702/           79.251/01:36:10.75                OUTBOUND
          TH=1C00A019A00600020189    RH=038160   RU=F1F31140E31D40
  IO          /T010B702     79.251/01:36:10.87                INBOUND
          TH=1C00A006A01900020003    RH=838100
  BUF   SNA4APPL/T010B702   79.251/01:36:10.87                INBOUND
   VTAM     TH=1C00A006A01900020003    RH=838100


CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE----------

                          **NOTE:*************************************************************
                          * UPON INQUIRY THE OPERATOR FINDS THAT A SESSION IS ESTABLISHED BETWEEN*
                          * THE APPLICATION AND THE LU. NOTE THE SEND AND RECEIVE COUNTS.       *
                          *********************************************************************


               ==>  D NET,E,ID=SNA4APPL
                    F3 07 5A97I  DISPLAY  ACCEPTED
                    F3 07 5A75I  VTAM DISPLAY - NODE TYPE= APPL
                    F3 07 5E86I  NAME = SNA4APPL , STATUS = ACTIV
                    F3 07 5G54I  I/O TRACE= OFF ,BUFFER TRACE= OFF
                    F3 07 5B71I  ACTIVE SESSIONS = 0001 SESSION REQUESTS = 0000
                    F3 07 5C06I  SESSIONS:
                    F3 07 5G34I  NAME     STATUS     SESS ID  SEND RECV
                    F3 07 5G35I  T010B702 ACTIV-SEC  A006A019 0002 0001
                    F3 07 5D14I  END


TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * FOLLOWING SEVERAL DATA TRANSFERS, THE TERMINAL OPERATOR DECIDES TO   *
                          * TERMINATE THE SESSION WITH THE APPLICATION. NOTE THAT THIS TRACE     *
                          * ENTRY IS A DATA FLOW AND NOT A SSCP 'LOGOFF' COMMAND.                *
                          *********************************************************************


  IO          /T010B702     79.251/01:36:30.53                INBOUND
          TH=1C00A006A0190003000F    RH=0390A0   RU=7DD7F711D7F193
  BUF   SNA4APPL/T010B702   79.251/01:36:30.53                INBOUND
   VTAM     TH=1C00A006A0190003000F    RH=0390A0
        7DD7F711  D7F19396  87968686                                          'P7.P1LOGOFF
  BUF   SNA4APPL/T010B702   79.251/01:36:30.53                INBOUND
   USER 7DD7F711  D7F19396  87968686                                          'P7.P1LOGOFF
```

```
                          **NOTE:*************************************************************
                          * AFTER THE APPLICATION DETERMINES THAT THE LU WISHES TO TERMINATE THE *
                          * SESSION, HE HONORS THE REQUEST BY ISSUING A CLSDST MACRO WHICH      *
                          * RESULTS IN AN UNBIND BEING SENT TO THE LU.                          *
                          *********************************************************************

  BUF    T010B702/SNA4APPL   79.251/01:36:30.61              OUTBOUND
   VTAM     TH=1D00A019A00600030005    RH=6B8000
         3201                                                    ..
  IO     T010B702/           79.251/01:36:30.63              OUTBOUND
            TH=1D00A019A00600030005    RH=6B8000   RU=3201                                  *** UNBIND REQ ***
  IO           /T010B702     79.251/01:36:30.67              INBOUND
            TH=1D00A006A01900030004    RH=EB8000   RU=32                                  *** +RSP UNBIND ***
  BUF    SNA4APPL/T010B702   79.251/01:36:30.68              INBOUND
   VTAM     TH=1D00A006A01900030004    RH=EE8000
         32                                                      .

                          **NOTE:*************************************************************
                          * THE NEXT UNBIND TRACE ENTRIES SHOW AN INTERNAL VTAME REQUEST AND    *
                          * RESPONSE ONLY. IT IS USED TO FREE UP CONTROL BLOCKS WHICH REPRESENT *
                          * A SESSION.                                                         *
                          *********************************************************************

  BUF    T010B702/SNA4APPL   79.251/01:36:30.90              OUTBOUND
   VTAM     TH=1D00A019A00600040005    RH=6B8000
         3201                                                    ..
  BUF    SNA4APPL/T010B702   79.251/01:36:30.90              INBOUND
   VTAM     TH=1D00A006A01900040004    RH=EE8000
         32                                                      .

CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                          **NOTE:*************************************************************
                          * THE NETWORK OPERATOR NOW WISHES TO DEACTIVATE THE LU AND PU. THIS IS *
                          * DONE WITH A VARY INACT COMMAND.                                     *
                          *********************************************************************

              ==>  V NET,INACT,ID=T010B702
                   F3 07 5A97I  VARY     ACCEPTED
```

```
TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * AS A RESULT OF THE VARY INACT, VTAME SENDS A DEACTIVATE LOGICAL UNIT *
                          * (DACTLU) COMMAND TO THE LU, AND RECEIVES A POSITIVE RESPONSE.       *
                          *********************************************************************

  BUF     T010B702/VTAM       79.251/01:39:19.55              OUTBOUND
   VTAM      TH=1D00A019A00100020004    RH=6E8000
         0E                                                          .
  IO      T010B702/           79.251/01:39:19.57              OUTBOUND
             TH=1D00A019A00100020004    RH=6E8000   RU=0E                                  *** DACTLU REQ ***
  IO              /T010B702   79.251/01:39:19.60              INBOUND
             TH=1D00A001A01900020004    RH=EE8000   RU=0E                                  *** +RSP DACTLU***
  BUF     VTAM    /T010B702   79.251/01:39:19.60              INBOUND
   VTAM      TH=1D00A001A01900020004    RH=EB8000
         0E                                                          .

                          **NOTE:*************************************************************
                          * THERE IS ANOTHER INTERNAL UNBIND TO TERMINATE THE SSCP TO LU SESSION.*
                          *********************************************************************

  BUF     T010B702/VTAM       79.251/01:39:19.81              OUTBOUND
   VTAM      TH=1D00A019A00100030005    RH=6B8000
         3201                                                       ..
  BUF     VTAM    /T010B702   79.251/01:39:19.81              INBOUND
   VTAM      TH=1D00A001A01900030004    RH=EB8000
         32                                                          .

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------

                          **NCTE:*************************************************************
                          * VTAME INFORMS THE OPERATOR THAT THE LU IS NOW INACTIVE              *
                          *********************************************************************

                F3 07 5B05I  T010B702 NODE NOW INACTIVE

                          **NOTE:*************************************************************
                          * THE NETWORK OPERATOR NOW WISHES TO DEACTIVATE THE PU.               *
                          *********************************************************************

              ==>  V NET,INACT,ID=P010B70
                   F3 07 5A97I  VARY     ACCEPTED
```

```
TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * THE VARY INACTIVE NOW GENERATES A DEACTIVATE PHYSICAL UNIT (DACTPU)  *
                          * COMMAND. HERE WE SEE THE COMMAND AND POSITIVE RESPONSE.             *
                          *********************************************************************

  BUF     P010B70 /VTAM       79.251/01:39:26.96              OUTBOUND
   VTAM      TH=1D00A018A00100020005    RH=6E8000
         1202                                                  ..
  IO      P010B70 /           79.251/01:39:26.98              OUTBOUND
             TH=1D00A018A00100020005    RH=6E8000   RU=1202                                  *** DACTPU REQ ***
  IO              /P010B70    79.251/01:39:27.03              INBOUND
             TH=1D00A001A01800020004    RH=EE8000   RU=12                                    *** +RSP DACTPU***
  BUF     VTAM    /P010B70    79.251/01:39:27.04              INBOUND
   VTAM      TH=1D00A001A01800020004    RH=EE8000
         12                                                    .

                          **NOTE:*************************************************************
                          * ANOTHER INTERNAL UNBIND TO TERMINATE THE SSCP TO PU SESSION.        *
                          *********************************************************************

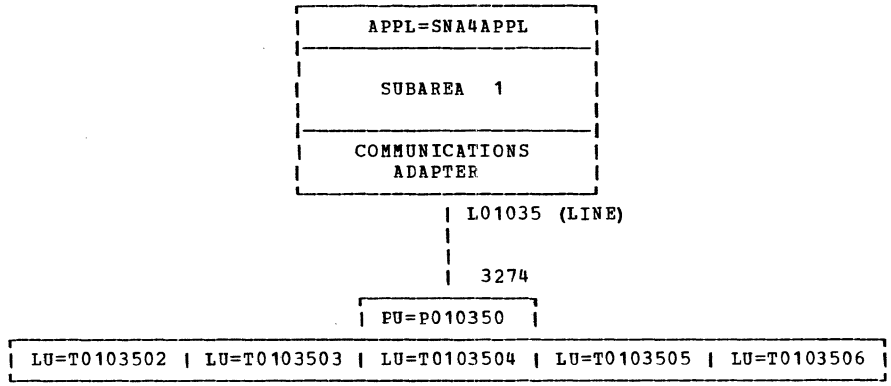
  BUF     P010B70 /VTAM       79.251/01:39:27.22              OUTBOUND
   VTAM      TH=1D00A018A00100030005    RH=6E8000
         3201                                                  ..
  BUF     VTAM    /P010B70    79.251/01:39:27.22              INBOUND
   VTAM      TH=1D00A001A01800030004    RH=EE8000
         32                                                    .

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------

                          **NCTE:*************************************************************
                          * ..... AND VTAME INFORMS THE OPERATOR OF THE COMPLETE DEACTIVATION OF *
                          * THE PHYSICAL UNIT.                                                  *
                          *********************************************************************

                F3 07 5B05I  P010B70  NODE NOW INACTIVE
```

SINGLE DOMAIN SNA 3270



SINGLE DOMAIN CONFIGURATION (SNA 3270)

```
                ************************************************************************
                *  THIS IS A NORMAL FLOW TRACE OF A SINGLE DOMAIN NETWORK INCLUDING    *
                *  1) ACTIVATION OF THE AN SNA 3274 PU AND 3278 LU                     *
                *  2) UNFORMATTED LOGON                                                *
                *  3) DATA TRAFFIC BETWEEN 3278 LU AND APPLICATION (SNA4APPL)          *
                *  4) NETWORK DEACTIVATION                                             *
                *                  *************************                           *
                *  REFER TO THE PREVIOUS PAGE FOR THE CONFIGURATION USED FOR THIS TEST *
                *                  *************************                           *
                *  TRACES ARE INTERMIXED WITH THE SYSTEM CONSOLE OUTPUT TO SHOW THE    *
                *  SEQUENCE OF EVENTS FROM AN OPERATOR'S POINT OF VIEW.                *
                *                                                                      *
                *  ==> IS AN INDICATOR INSERTED BY THE WRITER TO SHOW OPERATOR ACTION  *
                ************************************************************************

                CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

    F3 03 // ASSGN SYSSLB,DISK,TEMP,VOL=SYSWK1,SHR
    F3 03 1T20I  SYSSLB HAS BEEN ASSIGNED TO X'191'
    F3 03 // DLBL TRFILE,'VTAM.TRACE.FILE',1,SD     **NOTE:************************************************
    F3 03 // EXTENT SYS001,SYSWK2,,,2360,220        * THESE ARE THE DASD EXTENTS FOR THE VTAME TRACE FILE *
    F3 03 // ASSGN SYS001,DISK,VOL=SYSWK2,SHR       ************************************************
    F3 03 1T20I  SYS001 HAS BEEN ASSIGNED TO X'192'
    F3 03 // ASSGN SYSSLB,191
    F3 03 // PAUSE
   *F3-03
    F3 03 * VTAM START PROCEDURE NOW RUNNING
    F3 03 // EXEC ISTINCVT,SIZE=1100K
   *F3-07 5A51A  ENTER VTAM START PARAMETERS
==> 7 LIST=04
                **NOTE:********************************************************************
                * THE CONFIGURATION AND STARTUP LISTS ARE SHOWN IN APPENDIX E.          *
                ************************************************************************
    F3 07 5D15I  VTAM INTERNAL TRACE ACTIVE; MODE = INT SIZE = 010 OPTIONS =
          API SMS PSS LOCK PIU MSG CIO SSCP
    F3 07 5A93I  A011     ACTIVE
    F3 07 5A93I  H011     ACTIVE
    F3 07 5A93I  SNAH011  ACTIVE
    F3 07 5A93I  P010B70  ACTIVE
    F3 07 5A93I  CA012    ACTIVE
    F3 07 5A20I  VTAM INITIALIZATION COMPLETE

                **NOTE:********************************************************************
                * THE FOLLOWING SHOWS THE STARTUP OF THE APPLICATION (SNA4APPL).        *
                ************************************************************************

   *F4-04
==> 4 EXEC SNA4APPL
    F4 04 ***SNA4APPL:  REPLY EOB FOR HARDCOPY LOG;  NO FOR NO HARDCOPY.
   *F4-04
==> 4 NO
    F4 04 ***SNA4APPL:  CHOOSE AN APPLID, UP TO 8 CHARACTERS.  DEFAULT IS APPL4.
   *F4-04
==> 4 SNA4APPL
```

```
    F4 04 ***SNA4APPL:  REPLY 'MSG NN' FOR OPERATOR COMMUNICATIONS
==> MSG F4
    F4 04 ***SNA4APPL:  REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON,
          5-LOG OPTIONS, 6-DEFAULTS, 7-SECONDARY FUNCTIONS
   *F4-04
==> 4 6
    F4 04 ***SNA4APPL:  SPECIFY DEFAULTS: 1-CONVERSATIONAL, 2-AUTO ECHO, 3-FULL
          SCREEN ECHO.  DEFAULT IS CONVERSATIONAL.
   *F4-04
==> 4 1
    F4 04 **SNA4APPL:  AUTO RESP EXIT ECHOING IS INACTIVE.
    F4 04 ***SNA4APPL:  REPLY 'MSG NN' FOR OPERATOR COMMUNICATIONS

                **NOTE:*************************************************************
                * AFTER INITIALIZATION THE OPERATOR ACTIVATES THE I/O AND BUFFER    *
                * TRACES TO THE PHYSICAL AND LOGICAL UNITS.                         *
                *************************************************************************

==> F NET,TRACE,TYPE=IO,ID=P010350
    F3 07 5A97I  MODIFY   ACCEPTED
    F3 07 5F13I  TRACE INITIATED FOR NODE P010350
==> F NET,TRACE,TYPE=BUF,ID=P010350
    F3 07 5A97I  MODIFY   ACCEPTED
    F3 07 5F13I  TRACE INITIATED FOR NODE P010350
==> F NET,TRACE,TYPE=IO,ID=T0103504
    F3 07 5A97I  MODIFY   ACCEPTED
    F3 07 5F13I  TRACE INITIATED FOR NODE T0103504
==> F NET,TRACE,TYPE=BUF,ID=T0103504
    F3 07 5A97I  MODIFY   ACCEPTED
    F3 07 5F13I  TRACE INITIATED FOR NODE T0103504

                **NOTE:*************************************************************
                * THE OPERATOR STARTS THE NETWORK FIRST BY ACTIVATING THE LINE.     *
                * SINCE VTAME DOES NOT HAVE A LINE TRACE, LINE ACTIVITY IS NOT TRACED. *
                *************************************************************************

==> V NET,ACT,ID=L01035
    F3 07 5A97I  VARY     ACCEPTED

                **NOTE:*************************************************************
                * AFTER THE LINE IS ACTIVE THE PU IS ACTIVATED.                     *
                *************************************************************************

    F3 07 5A93I  L01035   ACTIVE
==> V NET,ACT,ID=P010350
    F3 07 5A97I  VARY     ACCEPTED
TRACE----------TRACE----------TRACE----------TRACE----------TRACE--------

                **NOTE:*************************************************************
                * VTAME SENDS ACTPU AND RECEIVES POSITIVE RESPONSE ACTPU            *
                *************************************************************************
```

```
  BUF    P010350 /VTAM       79.220/19:25:53.53                OUTBOUND
   VTAM     TH=1D00107D10010001000C    RH=6B8000
         11010105  00000000  01                                          .........
  IO     P010350 /           79.220/19:25:53.56                OUTBOUND
            TH=1D00107D10010001000C    RH=6B8000   RU=11010105000000                                  **    ACTPU    **
  IO           /P010350      79.220/19:25:53.87                INBOUND
            TH=1D0010011107D00010017    RH=EB8000   RU=11114040404040                                  ** + RSP ACTPU **
  BUF    VTAM    /P010350     79.220/19:25:53.88                INBOUND
   VTAM     TH=1D0010011107D00010017    RH=EB8000
         11114040  40404040  40400000  07010C00  00000000                                ..        ..........

CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                           **NCTE:*************************************************************************
                           * AFTER THE PU IS ACTIVE THE OPERATOR THEN ACTIVATES THE LU.           *
                           *************************************************************************

                F3 07 5A93I  P010350  ACTIVE
              ==> V NET,ACT,ID=T0103504
                F3 07 5A97I  VARY     ACCEPTED

TRACE---------TRACE---------TRACE----------TRACE---------TRACE-------

                           **NCTE:*************************************************************************
                           * VTAME NOW SENDS ACTLU AND GETS BACK POSITIVE RESPONSE ACTLU FROM LU. *
                           *************************************************************************

  BUF    T0103504/VTAM       79.220/19:25:54.23                OUTBOUND
   VTAM     TH=1D001080100100010006    RH=6B8000
         0D0101                                                          ...
  IO     T0103504/           79.220/19:25:54.27                OUTBOUND
            TH=1D001080100100010006    RH=6B8000   RU=0D0101                                       **    ACTLU    **
  IO           /T0103504     79.220/19:25:55.29                INBOUND
            TH=1D0010011108000010013    RH=EB8000   RU=0D010100850000                                  ** + RSP ACTLU **
  BUF    VTAM    /T0103504    79.220/19:25:55.30                INBOUND
   VTAM     TH=1D0010011108000010013    RH=EB8000
         0D010100  85000000  0C060300  01000000                                ....E...........

CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                           **NOTE:*************************************************************************
                           * VTAME NOTIFIES THE NETWORK OPERATOR THAT THE LU IS ACTIVE.           *
                           *************************************************************************

                F3 07 5A93I  T0103504 ACTIVE
```

```
TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------

                          **NOTE:*************************************************************
                          * NOW THE TERMINAL OPERATOR LOGS ON AT THE LU TO APPLICATION SNA4APPL. *
                          *********************************************************************

  IO            /T0103504   79.220/19:26:45.81                INBOUND
        TH=1C001001108000000019    RH=038000   RU=93968796954081
  BUF   VTAM    /T0103504   79.220/19:26:45.82                INBOUND
   VTAM     TH=1C001001108000000019    RH=038000
        93968796  95408197  97938984  4DA29581  F4819797  935D                          LOGON APPLID(SNA4APPL)

                          **NOTE:*************************************************************
                          * AS A RESULT OF THE LOGON, VTAME SENDS A TH/RH AS A DR1.           *
                          *********************************************************************

  BUF   T0103504/VTAM       79.220/19:26:45.98                OUTBOUND
   VTAM     TH=1C001080100100000003    RH=838000
  IO    T0103504/           79.220/19:26:46.01                OUTBOUND
        TH=1C001080100100000003    RH=838000

                          **NOTE:*************************************************************
                          * THE APPLICATION NOW SENDS A BIND SESSICN REQ TO THE LU. THE LU SENDS *
                          * POSITIVE RESPONSE BIND BACK TO THE APPLICATION.                   *
                          *********************************************************************

  BUF   T0103504/SNA4APPL   79.220/19:26:46.65                OUTBOUND
   VTAM     TH=1D001080100600010028    RH=6E8000
        31010303  B1903080  000187F8  02000200  00000000  18502050  7F000008  E2D5C1F4  .........G8.........&.&"...SNA4
        C1D7D7D3  00                                                                    APPL.
  IO    T0103504/           79.220/19:26:46.68                OUTBOUND
        TH=1D001080100600010028    RH=6B8000   RU=31010303B19030                                  **    BIND    **
  IO            /T0103504   79.220/19:26:47.11                INBOUND
        TH=1D001006108000010004    RH=EB8000   RU=31                                             ** + RSP BIND **
  BUF   SNA4APPL/T0103504   79.220/19:26:47.11                INBOUND
   VTAM     TH=1D001006108000010004    RH=EB8000
        31                                                                              .

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------

                          **NOTE:*************************************************************
                          * THE APPLICATION NOTIFIES THE NETWORK OPERATOR OF THE LOGON...     *
                          *        (THE DISPLAY CMD SHOWS THE LU ALLOCATED TO SNA4APPL)       *
                          *********************************************************************

              F4 04 **SNA4APPL:  T0103504 LOGON SUCCESSFUL

            ==> D NET,ID=T0103504
                F3 07 5A97I  DISPLAY  ACCEPTED
                F3 07 5A75I  VTAM DISPLAY - NODE TYPE= LOGICAL UNIT
                F3 07 5E86I  NAME = T0103504 , STATUS = ACTIV
```

```
                F3 07 5A81I  LINE NAME= L01035   , LINE GROUP= G0135    , MAJNOD= CA012
                F3 07 5B35I  PHYSICAL UNIT= P010350  ,
                F3 07 5A82I  DEVTYPE= LU   , ALLOC TO= SNA4APPL ,CONTROLLING APPL=
                F3 07 5G54I  I/O TRACE= ON  ,BUFFER TRACE= ON
                F3 07 5D14I  END

TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------

                          **NOTE:*************************************************************
                          * ..AND THEN SENDS A START DATA TRAFFIC (SDT) REQ TO THE LU.        *
                          *********************************************************************

  BUF    T0103504/SNA4APPL   79.220/19:26:47.32              OUTBOUND
   VTAM     TH=1D001080100600020004    RH=6E8000
         A0                                                        .
  IO     T0103504/           79.220/19:26:47.35              OUTBOUND
            TH=1D001080100600020004    RH=6E8000   RU=A0                                          **    SDT    **
  IO          /T0103504      79.220/19:26:47.71              INBOUND
            TH=1D001006108000020004    RH=EE8000   RU=A0                                          ** + RSP SDT **
  BUF    SNA4APPL/T0103504   79.220/19:26:47.71              INBOUND
   VTAM     TH=1D001006108000020004    RH=EE8000
         A0                                                        .

                          **NOTE:*************************************************************
                          * THE SESSION IS NOW ESTABLISHED BETWEEN THE LU AND THE APPLICATION -  *
                          * TRAFFIC NOW BEGINS - WE SEE THE BUFFER FROM THE APPL, AND AS IT IS   *
                          * PASSED THROUGH VTAME TO THE LU.                                      *
                          *********************************************************************

  BUF    T0103504/SNA4APPL   79.220/19:26:47.84              OUTBOUND
   USER  F5F71140  401D4040  40404040  40404011  40E31D40  E2D5C1F4  C1D7D7D3  11D6601D  57.  .        . T. SNA4APPL.O-.
         40C5D5E3  C5D940C4  C1E3C140  E3D640C5  C3C8D640  C2C5D3D6  E6115CF0  1D40D7D9   ENTER DATA TO ECHO BELOW.*0. PR
         C5E2E240  7DC5D5E3  C5D97D40  E3D640C5  C3C8D65E  407DC3D3  C5C1D97D  40D9C5E2  ESS 'ENTER' TO ECHO; 'CLEAR' RES
         C5E3E240  E2C3D9C5  C5D55E40  7DD7C1F1  7D40E3D6  40E2E6C9  E3C3C840  E2C3D9C5  ETS SCREEN; 'PA1' TO SWITCH SCRE
         C5D540E2  C9E9C54B  11D7F01D  4013                                             EN SIZE..P0. .
  BUF    T0103504/SNA4APPL   79.220/19:26:47.86              OUTBOUND
   VTAM     TH=1C001080100600010091    RH=0381C0
         F5F71140  401D4040  40404040  40404011  40E31D40  E2D5C1F4  C1D7D7D3  11D6601D  57.  .        . T. SNA4APPL.O-.
         40C5D5E3  C5D940C4  C1E3C140  E3D640C5  C3C8D640  C2C5D3D6  E6115CF0  1D40D7D9   ENTER DATA TO ECHO BELOW.*0. PR
         C5E2E240  7DC5D5E3  C5D97D40  E3D640C5  C3C8D65E  407DC3D3  C5C1D97D  40D9C5E2  ESS 'ENTER' TO ECHO; 'CLEAR' RES
         C5E3E240  E2C3D9C5  C5D55E40  7DD7C1F1  7D40E3D6  40E2E6C9  E3C3C840  E2C3D9C5  ETS SCREEN; 'PA1' TO SWITCH SCRE
         C5D540E2  C9E9C54B  11D7F01D  4013                                             EN SIZE..P0. .
  IO     T0103504/           79.220/19:26:47.89              OUTBOUND
            TH=1C001080100600010091    RH=0381C0   RU=F5F71140401D40          <== PACING REQ
  IO          /T0103504      79.220/19:26:48.55              INBOUND
            TH=1D001006108000010003    RH=830100                              <== PACING RSP
  BUF    SNA4APPL/T0103504   79.220/19:26:48.55              INBOUND
   VTAM     TH=1D001006108000010003    RH=830100
  IO          /T0103504      79.220/19:26:48.66              INBOUND
            TH=1C001006108000010003    RH=838000
  BUF    SNA4APPL/T0103504   79.220/19:26:48.67              INBOUND
   VTAM     TH=1C001006108000010003    RH=838000
  IO          /T0103504      79.220/19:28:00.04              INBOUND
            TH=1C001006108000010041    RH=0390A0   RU=7DD8E911D7F1A3
```

```
BUF     SNA4APPL/T0103504   79.220/19:28:00.05                INBOUND
 VTAM      TH=1C001006108000010041    RH=0390A0
        7DD8E911  D7F1A388  89A24089  A2408140  A385A2A3  40869699  40818386  61A5A381  'QZ.P1THIS IS A TEST FOR ACF/VTA
        94854097  84408885  93978599  406040F3  F2F7F440  99859496  A3854095  84A2      ME PD HELPER - 3274 REMOTE NDS
BUF     SNA4APPL/T0103504   79.220/19:28:00.12                INBOUND
 USER   7DD8E911  D7F1A388  89A24089  A2408140  A385A2A3  40869699  40818386  61A5A381  'QZ.P1THIS IS A TEST FOR ACF/VTA
        94854097  84408885  93978599  406040F3  F2F7F440  99859496  A3854095  84A2      ME PD HELPER - 3274 REMOTE NDS
BUF     T0103504/SNA4APPL   79.220/19:28:00.49                OUTBOUND
 USER   F1F31140  E31D40E2  D5C1F4C1  D7D7D311  C1501D40  A38889A2  4089A240  8140A385  13. T. SNA4APPL.Aε. THIS IS A TE
        A2A34086  96994081  838661A5  A3819485  40978440  88859397  85994060  40F3F2F7  ST FOR ACF/VTAME PD HELPER - 327
        F4409985  9496A385  409584A2  40404040  40404040  40404040  40404040  40404040  4 REMOTE NDS
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
BUF     T0103504/SNA4APPL   79.220/19:28:00.51                OUTBOUND
 VTAM      TH=1C0010801006000020189    RH=038060
        F1F31140  E31D40E2  D5C1F4C1  D7D7D311  C1501D40  A38889A2  4089A240  8140A385  13. T. SNA4APPL.Aε. THIS IS A TE
        A2A34086  96994081  838661A5  A3819485  40978440  88859397  85994060  40F3F2F7  ST FOR ACF/VTAME PD HELPER - 327
        F4409985  9496A385  409584A2  40404040  40404040  40404040  40404040  40404040  4 REMOTE NDS
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  404040
IO      T0103504/           79.220/19:28:00.55                OUTBOUND
          TH=1C0010801006000020189    RH=038160   RU=F1F31140E31D40

                          **NOTE:*************************************************************
                          * THE LU SENDS POSITIVE DR1 RSP TO THE APPLICATION. AT THIS POINT THE  *
                          * TERMINAL OPERATOR HITS ATTN TO END THE SESSION.                      *
                          ***********************************************************************

IO            /T0103504   79.220/19:28:02.53                INBOUND
          TH=1C0010061080000020003    RH=838000
BUF     SNA4APPL/T0103504   79.220/19:28:02.54                INBOUND
 VTAM      TH=1C001006108000020003    RH=838000
IO           /T0103504    79.220/19:28:30.44                INBOUND
          TH=1D0010061080000000008    RH=4E8000   RU=C900010000
BUF     SNA4APPL/T0103504   79.220/19:28:30.45                INBOUND
 VTAM      TH=1D001006108000000008    RH=4E8000
        C9000100  00                                                    I....
BUF     T0103504/SNA4APPL   79.220/19:28:31.02                OUTBOUND
 VTAM      TH=1D0010801006000000004    RH=CE8000
        C9                                                               I
IO      T0103504/           79.220/19:28:31.07                OUTBOUND
          TH=1D00108010060000000 4    RH=CE8000   RU=C9

CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

                          **NOTE:*************************************************************
                          * NOW THE NETWORK OPERATOR WISHES TO SHUTDOWN THE NETWORK.             *
                          * THE LU IS DEACTIVATED FIRST.                                        *
                          ***********************************************************************
```

```
                V NET,INACT,ID=T0103504
                F3 07 5A97I  VARY     ACCEPTED

TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------

                          **NOTE:*************************************************************
                          * VTAME FIRST SENDS A DACTLU REQ TO THE LU...                       *
                          *************************************************************************

  BUF    T0103504/VTAM       79.220/19:29:04.38              OUTBOUND
   VTAM     TH=1D001080100100020004    RH=6E8000
         0E                                                          .
  IO     T0103504/           79.220/19:29:04.42              OUTBOUND
            TH=1D001080100100020004    RH=6E8000   RU=0E                          **    DACTLU    **
  IO           /T0103504     79.220/19:29:05.43              INBOUND
            TH=1D001001108000020004    RH=EE8000   RU=0E
  BUF    VTAM    /T0103504   79.220/19:29:05.43              INBOUND
   VTAM     TH=1D001001108000020004    RH=EB8000
         0E                                                          .

                          **NOTE:*************************************************************
                          * ...AND THEN AN INTERNAL UNBIND (NO I/O ENTRIES) TO CLEAN UP CTL BLKS *
                          *************************************************************************

  BUF    T0103504/VTAM       79.220/19:29:05.48              OUTBOUND
   VTAM     TH=1D001080100100030005    RH=6E8000
         3201                                                        ..
  BUF    VTAM    /T0103504   79.220/19:29:05.48              INBOUND
   VTAM     TH=1D001001108000030004    RH=EE8000
         32                                                          .

                          **NOTE:*************************************************************
                          * ...ANOTHER INTERNAL UNBIND FOR APPL CONTROL BLOCKS.               *
                          *************************************************************************

  BUF    T0103504/SNA4APPL   79.220/19:29:05.90              OUTBOUND
   VTAM     TH=1D001080100600030005    RH=6E8000
         3201                                                        ..
  BUF    SNA4APPL/T0103504   79.220/19:29:05.90              INBOUND
   VTAM     TH=1D001006108000030004    RH=EB8000
         32                                                          .

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------

                          **NOTE:*************************************************************
                          * VTAME NOTIFIES THE OPERATOR THAT THE LU IS INACTIVE - NOW THE PU IS  *
                          * DEACTIVATED.                                                      *
                          *************************************************************************

                F3 07 5B05I  T0103504 NODE NOW INACTIVE
             ==> V NET,INACT,ID=P010350
                F3 07 5A97I  VARY     ACCEPTED
```

```
TRACE----------TRACE----------TRACE----------TRACE----------TRACE-------

                          **NOTE:*************************************************************
                          * VTAME SENDS DACTPU REQUEST TO P010350                             *
                          ************************************************************************


  BUF     P010350 /VTAM       79.220/19:29:15.28                OUTBOUND
   VTAM      TH=1D00107D100100020005     RH=6E8000
        1202                                                                  ..
  IO      P010350 /           79.220/19:29:15.30                OUTBOUND
             TH=1D00107D100100020005     RH=6E8000   RU=1202
  IO             /P010350     79.220/19:29:16.03                INBOUND
             TH=1D001001107D0002000B     RH=EE8000   RU=120201F1F47AF0
  BUF     VTAM     /P010350    79.220/19:29:16.03                INBOUND
   VTAM      TH=1D001001107D0002000B     RH=EE8000
        120201F1F47AF0F7                                                  ...14:07

                          **NOTE:*************************************************************
                          * VTAME SENDS INTERNAL UNBIND TO CLEAN UP CONTROL BLOCKS.           *
                          ************************************************************************

  BUF     P010350 /VTAM       79.220/19:29:26.79                OUTBOUND
   VTAM      TH=1D00107D100100020005     RH=6E8000
        3201                                                                  ..
  BUF     VTAM     /P010350    79.220/19:29:26.79                INBOUND
   VTAM      TH=1D001001107D00020004     RH=EE8000
        32                                                                    .

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------

                          **NOTE:*************************************************************
                          * VTAME NOTIFIES THE OPERATOR THAT THE PU IS NOW DEACTIVATED.       *
                          * NOW THE OPERATOR DEACTIVATES THE LINE, STOPS THE TRACES, AND      *
                          * TERMINATES VTAME.                                                 *
                          ************************************************************************

                      F3 07 5B05I  P010350  NODE NOW INACTIVE

                 ==> V NET,INACT,ID=L01035
                      F3 07 5A97I  VARY     ACCEPTED
                      F3 07 5B05I  L01035   NODE NOW INACTIVE
                 ==> F NET,NOTRACE,TYPE=BUF,ID=T0103504
                      F3 07 5A97I  MODIFY   ACCEPTED
                      F3 07 5F12I  TRACE TERMINATED FOR NODE= T0103504
                 ==> F NET,NOTRACE,TYPE=IO,ID=T0103504
                      F3 07 5A97I  MODIFY   ACCEPTED
                      F3 07 5F12I  TRACE TERMINATED FOR NODE= T0103504
                 ==> F NET,NOTRACE,TYPE=IO,ID=P010350
                      F3 07 5A97I  MODIFY   ACCEPTED
                      F3 07 5F12I  TRACE TERMINATED FOR NODE= P010350
                 ==> F NET,NOTRACE,TYPE=BUF,ID=P010350
```

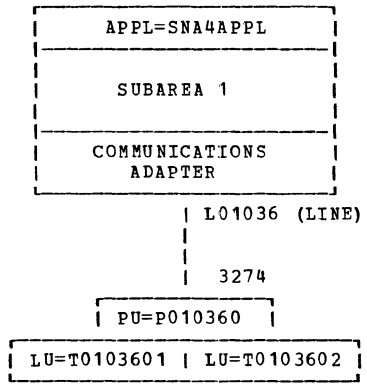
```
    F3 07 5A97I  MODIFY   ACCEPTED
    F3 07 5F12I  TRACE TERMINATED FOR NODE= P010350

              **NOTE:*************************************************************
              * BEFORE TERMINATING VTAME, THE OPERATOR SHUTS DOWN THE APPLICATION.   *
              ***********************************************************************

==> MSG F4
    F4 04 ***SNA4APPL:  REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON,
          5-IOG OPTIONS, 6-DEFAULTS, 7-SECONDARY FUNCTIONS
   *F4-04
==> 4 3
    F4 04 ***SNA4APPL:  RESPECIFY APPLID, UP TO 8 CHARACTERS.  DEFAULT IS APPL4.
            END TO EXIT.
   *F4-04
==> 4 END

==> Z NET,QUICK
    F3 07 5A97I  HALT     ACCEPTED
    F3 07 5B33I  VTAM TERMINATICN IN PROGRESS
    F3 07 5B05I  SNAH011  NODE NOW INACTIVE      **NOTE:******************
    F3 07 5B05I  CA012    NODE NOW INACTIVE      * THESE NODES ARE LISTED *
    F3 07 5B05I  A011     NODE NOW INACTIVE      * IN APPENDIX E.         *
    F3 07 5B05I  H011     NODE NOW INACTIVE      **************************
    F3 07 5E12I  VTAM COMMAND PROCESSING TERMINATED
```

SINGLE DOMAIN BSC 3270



3270 BSC CONFIGURATION

```
                        ************************************************************************
                        *                                                                      *
                        *                        B. S. C.  3270  T R A C E                     *
                        *                                                                      *
                        *    THIS IS  A  NORMAL  FLOW  TRACE FOR A  BSC  3270 LOGICAL UNIT.    *
                        *    THE EXAMPLE SHOWS:                                                *
                        *                        1) ACTIVATION OF NODES                        *
                        *                        2) LOGON                                      *
                        *                        3) DATA FLOW                                  *
                        *                        4) CLSDST                                     *
                        *                  ************************************                *
                        *     TRACE ENTRIES ARE INTERMIXED WITH THE SYSTEM CONSOLE OUTPUT       *
                        *     AND COMMENTS . ONLY THE MOST  RELEVANT  MESSAGES  OF SYSTEM       *
                        *     CONSOLE ARE INSERTED.                                            *
                        *                  ************************************                *
                        *     SEE THE PREVIOUS PAGE FOR THE CONFIGURATION USED FOR THIS TEST.   *
                        *                                                                      *
                        *  ==> IS AN INDICATOR INSERTED BY THE WRITER TO SHOW OPERATOR ACTION  *
                        ************************************************************************


CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------

            F3 03 * VTAM START PROCEDURE NOW RUNNING
            F3 03 // EXEC ISTINCVT,SIZE=1100K
           *F3-07 5A51A  ENTER VTAM START PARAMETERS
          ==> 7 LIST=04

                        **NOTE:***************************************************************
                        * THE CONFIGURATION AND STARTUP LISTS ARE SHOWN IN APPENDIX B          *
                        ************************************************************************

            F3 07 5D15I  VTAM INTERNAL TRACE ACTIVE; MODE = INT SIZE = 010 OPTIONS =
                 API SMS PSS LOCK PIU MSG CIO SSCP
            F3 07 5A93I  A011     ACTIVE
            F3 07 5A93I  H011     ACTIVE
            F3 07 5A93I  SNAH011  ACTIVE
            F3 07 5A93I  CA012    ACTIVE
            F3 07 5A20I  VTAM INITIALIZATION COMPLETE

                        **NCTE:***************************************************************
                        * THE FOLLOWING SHOWS THE STARTUP OF THE APPLICATION (SNA4APPL).       *
                        ************************************************************************



                        **NCTE:***************************************************************
                        * AFTER INITIALIZATION THE OPERATOR ACTIVATES THE I/O AND BUFFER       *
                        * TRACES TO THE PHYSICAL AND LOGICAL UNITS.                            *
                        ************************************************************************

          ==> F NET,TRACE,TYPE=IC,ID=P010360
```

```
          F3 07 5A97I  MODIFY   ACCEPTED
          F3 07 5F13I  TRACE INITIATED FOR NODE P010360
          F3 07 5F04I  VTAM TRACE SUBTASK STARTED

                       **NOTE:*************************************************************
                       * THE FOLLOWING MESSAGE INDICATES THERE IS RESIDUAL TRACE DATA IN THE  *
                       * TRACE FILE. SINCE THE OPERATOR KNOWS IT IS NOT NEEDED HE RESPONDS    *
                       * WITH A 'DELETE'.                                                    *
                       **********************************************************************

         *F3 09 4933A EQUAL FILE ID IN VIOC       TRFILE   SYS001=192  SYSWK2
            VTAM.TRACE.FILE
         *F3+09
       ==> 9 DELETE

       ==> F NET,TRACE,TYPE=BUF,ID=P010360
          F3 07 5A97I  MODIFY   ACCEPTED
          F3 07 5F13I  TRACE INITIATED FOR NODE P010360
       ==> F NET,TRACE,TYPE=IO,ID=T0103601
          F3 07 5A97I  MODIFY   ACCEPTED
          F3 07 5F13I  TRACE INITIATED FOR NODE T0103601
       ==> F NET,TRACE,TYPE=BUF,ID=T0103601
          F3 07 5A97I  MODIFY   ACCEPTED
          F3 07 5F13I  TRACE INITIATED FOR NODE T0103601

                       **NOTE:*************************************************************
                       * THE OPERATOR STARTS THE NETWORK FIRST BY ACTIVATING THE LINE.       *
                       **********************************************************************

       ==> V NET,ACT,ID=L01036
          F3 07 5A97I  VARY     ACCEPTED
          F3 07 5A93I  L01036   ACTIVE

                       **NOTE:*************************************************************
                       * AFTER THE LINE IS ACTIVE THE PU IS ACTIVATED.                       *
                       **********************************************************************

       ==> V NET,ACT,ID=P010360
          F3 07 5A97I  VARY     ACCEPTED

TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                       **NOTE:*************************************************************
                       * VTAME SENDS ACTPU AND RECEIVES POSITIVE RESPONSE ACTPU              *
                       **********************************************************************

  BUF    P010360 /VTAM       79.221/18:49:04.62              OUTBOUND
   VTAM     TH=1D0010A6100100001000C    RH=6E8000
         11010105  00000000  01                                          .........
  IO     P010360 /           79.221/18:49:04.64              OUTBOUND
            TH=1D0010A6100100001000C    RH=6E8000   RU=11010105000000                                  **    ACTPU    **
  IO             /P010360    79.221/18:49:04.69              INBOUND
```

```
          TH=1D00100110A60001000D    RH=EE8000   RU=11010105000000                                  ** + RSP ACTPU **
  BUF    VTAM    /P010360    79.221/18:49:04.69                INBOUND
   VTAM     TH=1D00100110A60001000D    RH=EE8000
         11010105  00000000  0100                                                 ..........

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE-----

                          **NOTE:*************************************************************
                          * AFTER THE PU IS ACTIVE THE OPERATOR THEN ACTIVATES THE LU.        *
                          *********************************************************************

                F3 07 5A93I  P010360  ACTIVE
              ==> V NET,ACT,ID=T0103601
                F3 07 5A97I  VARY     ACCEPTED

TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * VTAME NOW SENDS ACTLU AND GETS BACK POSITIVE RESPONSE ACTLU FROM LU. *
                          *********************************************************************

  BUF    T0103601/VTAM       79.221/18:49:19.54                OUTBOUND
   VTAM     TH=1D0010A7100100010006    RH=6E8000
         0D0101                                                               ...
  IO     T0103601/           79.221/18:49:19.58                OUTBOUND
            TH=1D0010A7100100010006    RH=6E8000   RU=0D0101                                  **    ACTLU    **
  IO           /T0103601    79.221/18:49:19.62                INBOUND
            TH=1D00100110A700010005    RH=EE8000   RU=0D01                                    ** + RSP ACTLU **
  BUF    VTAM    /T0103601    79.221/18:49:19.65                INBOUND
   VTAM     TH=1D00100110A700010005    RH=EE8000
         0D01                                                                 ..
  BUF    T0103601/VTAM       79.221/18:49:19.74                OUTBOUND
   VTAM     TH=1C0010A7100100010000D    RH=038000
         F57A1D40  11C47F1D  4013                                             5:. .D". .
  IO     T0103601/           79.221/18:49:19.79                OUTBOUND
            TH=1C0010A7100100010000D    RH=038000   RU=F57A1D4011C47F
  IO           /T0103601    79.221/18:49:20.18                INBOUND
            TH=1C00100110A700010003    RH=838000
  BUF    VTAM    /T0103601    79.221/18:49:20.21                INBOUND
   VTAM     TH=1C00100110A700010003    RH=838000

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE-----

                          **NOTE:*************************************************************
                          * VTAME NOTIFIES THE NETWORK OPERATOR THAT THE LU IS ACTIVE.        *
                          *****                                                        *****
                          * NOW THE TERMINAL OPERATOR LOGS ON AT THE LU TO APPLICATION SNA4APPL. *
                          *********************************************************************

                F3 07 5A93I  T0103601 ACTIVE
```

```
TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

  IO             /T0103601   79.221/18:51:32.16                INBOUND
          TH=1C00100110A70001001F    RH=030000   RU=7DC5D611C54093
  BUF    VTAM    /T0103601   79.221/18:51:32.17                INBOUND
   VTAM     TH=1C00100110A70001001F    RH=030000
         7DC5D611  C5409396  87969540  81979793  89844DA2  9581F481  9797935D           'E0.E LOGON APPLID(SNA4APPL)

                            **NCTE:*************************************************************
                            * VTAME SENDS +RSP TO THE TERMINAL FOR THE LOGON.                   *
                            *********************************************************************

  BUF    T0103601/VTAM       79.221/18:51:34.37                OUTBOUND
   VTAM     TH=1C0010A710010002000D    RH=038000
         F57A1D40  11C47F1D  4013                                                  5:. .D". .
  IO     T0103601/           79.221/18:51:34.40                OUTBOUND
          TH=1C0010A710010002000D    RH=038000   RU=F57A1D4011C47F
  IO             /T0103601   79.221/18:51:34.72                INBOUND
          TH=1C00100110A700020003    RH=838000
  BUF    VTAM    /T0103601   79.221/18:51:34.74                INBOUND
   VTAM     TH=1C00100110A700020003    RH=838000

                            **NOTE:*************************************************************
                            * THE APPLICATION NOW SENDS A BIND SESSION REQ TO THE LU. THE LU SENDS *
                            * POSITIVE RESPONSE BIND BACK TO THE APPLICATION.                   *
                            *********************************************************************

  BUF    T0103601/SNA4APPL   79.221/18:51:36.66                OUTBOUND
   VTAM     TH=1D0010A7100600010028    RH=6B8000
         31010202  71402000  00010000  02000000  00000000  00000000  00000008  E2D5C1F4  ..... ......................SNA4
         C1D7D7D3  00                                                              APPL.
  IO     T0103601/           79.221/18:51:36.69                OUTBOUND
          TH=1D0010A7100600010028    RH=6B8000   RU=31010202714020                                    ***  BIND REQ ***
  IO             /T0103601   79.221/18:51:36.80                INBOUND
          TH=1D00100610A700010028    RH=EB8000   RU=31010202714020                                    *** BIND +RSP ***
  BUF    SNA4APPL/T0103601   79.221/18:51:36.80                INBOUND
   VTAM     TH=1D00100610A700010028    RH=EB8000
         31010202  71402000  00010000  02000000  00000000  00000000  00000008  E2D5C1F4  ..... ......................SNA4
         C1D7D7D3  00                                                              APPL.

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE-----

                            **NOTE:*************************************************************
                            * THE APPLICATION NOTIFIES THE NETWORK OPERATOR OF THE LOGON.       *
                            *        (THE DISPLAY CMD SHOWS THE LU ALLOCATED TO SNA4APPL)       *
                            *********************************************************************

                F4 04 **SNA4APPL:  T0103601 LOGON SUCCESSFUL

             ==> D NET,ID=T0103601
                F3 07 5A97I  DISPLAY  ACCEPTED
                F3 07 5A75I  VTAM DISPLAY - NODE TYPE= LOGICAL UNIT
                F3 07 5E86I  NAME = T0103601 , STATUS = ACTIV
```

```
                F3 07 5A81I  LINE NAME= L01036    , LINE GROUP= G0136     , MAJNOD= CA012
                F3 07 5B35I  PHYSICAL UNIT= P010360  ,
                F3 07 5A82I  DEVTYPE= LU    , ALLOC TO= SNA4APPL ,CONTROLLING APPL= CICSDOS
                F3 07 5G54I  I/O TRACE= ON   ,BUFFER TRACE= ON
                F3 07 5D14I  END

                        **NOTE:*************************************************************
                        * THE SESSION IS NOW ESTABLISHED BETWEEN THE LU AND THE APPLICATION -  *
                        * TRAFFIC NOW BEGINS - WE SEE THE BUFFER FROM THE APPL, AND AS IT IS   *
                        * GOING THROUGH VTAME TO THE LU.                                       *
                        ***********************************************************************

TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

  BUF     T0103601/SNA4APPL    79.221/18:51:36.98                OUTBOUND
   USER   F5F71140  401D4040  40404040  40404011  40E31D40  E2D5C1F4  C1D7D7D3  11D6601D  57.  .         . T. SNA4APPL.O-.
          40C5D5E3  C5D940C4  C1E3C140  E3D640C5  C3C8D640  C2C5D3D6  E6115CF0  1D40D7D9   ENTER DATA TO ECHO BELOW.*0. PR
          C5E2E240  7DC5D5E3  C5D97D40  E3D640C5  C3C8D65E  407DC3D3  C5C1D97D  40D9C5E2  ESS 'ENTER' TO ECHO; 'CLEAR' RES
          C5E3E240  E2C3D9C5  C5D55E40  7DD7C1F1  7D40E3D6  40E2E3C1  D9E361E2  E3D6D740  ETS SCREEN; 'PA1' TO START/STOP
          C1E4E3D6  40C5C3C8  D64B11D7  F01D4013                                        AUTO ECHO..P0. .
  BUF     T0103601/SNA4APPL    79.221/18:51:37.00                OUTBOUND
   VTAM      TH=1C0010A7100600010093    RH=0381C0
          F5F71140  401D4040  40404040  40404011  40E31D40  E2D5C1F4  C1D7D7D3  11D6601D  57.  .         . T. SNA4APPL.O-.
          40C5D5E3  C5D940C4  C1E3C140  E3D640C5  C3C8D640  C2C5D3D6  E6115CF0  1D40D7D9   ENTER DATA TO ECHO BELOW.*0. PR
          C5E2E240  7DC5D5E3  C5D97D40  E3D640C5  C3C8D65E  407DC3D3  C5C1D97D  40D9C5E2  ESS 'ENTER' TO ECHO; 'CLEAR' RES
          C5E3E240  E2C3D9C5  C5D55E40  7DD7C1F1  7D40E3D6  40E2E3C1  D9E361E2  E3D6D740  ETS SCREEN; 'PA1' TO START/STOP
          C1E4E3D6  40C5C3C8  D64B11D7  F01D4013                                        AUTO ECHO..P0. .
  IO      T0103601/            79.221/18:51:37.04                OUTBOUND
             TH=1C0010A7100600010093    RH=03E1C0   RU=F5F71140401D40
  IO           /T0103601       79.221/18:51:37.76                INBOUND
             TH=1C00100610A700010003    RH=8381C0
  BUF     SNA4APPL/T0103601    79.221/18:51:37.79                INBOUND
   VTAM      TH=1C00100610A700010003    RH=8381C0
  IO           /T0103601       79.221/18:52:03.88                INBOUND
             TH=1C00100610A700010038    RH=030080   RU=7DD86011D7F1A3
  BUF     SNA4APPL/T0103601    79.221/18:52:03.89                INBOUND
   VTAM      TH=1C00100610A700010038    RH=030080
          7DD86011  D7F1A388  89A24089  A2408183  8661A5A3  81948540  A385A2A3  89958740  'Q-.P1THIS IS ACF/VTAME TESTING
          814082A2  8340F3F2  F7F04095  84A24084  85A58983  85                            A BSC 3270 NDS DEVICE
  BUF     SNA4APPL/T0103601    79.221/18:52:03.95                INBOUND
   USER   7DD86011  D7F1A388  89A24089  A2408183  8661A5A3  81948540  A385A2A3  89958740  'Q-.P1THIS IS ACF/VTAME TESTING
          814082A2  8340F3F2  F7F04095  84A24084  85A58983  85                            A BSC 3270 NDS DEVICE
  BUF     T0103601/SNA4APPL    79.221/18:52:04.11                OUTBOUND
   USER   F5F31140  E31D40E2  D5C1F4C1  D7D7D311  C1501D40  A38889A2  4089A240  81838661  53. T. SNA4APPL.A&. THIS IS ACF/
          A5A38194  8540A385  A2A38995  87408140  82A28340  F3F2F7F0  409584A2  408485A5  VTAME TESTING A BSC 3270 NDS DEV
          89838540  40404040  40404040  40404040  40404040  40404040  40404040  40404040  ICE
          40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
          40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
          40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
          40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
  BUF     T0103601/SNA4APPL    79.221/18:52:04.16                OUTBOUND
   VTAM      TH=1C0010A710060002018B    RH=038040
          F5F31140  E31D40E2  D5C1F4C1  D7D7D311  C1501D40  A38889A2  4089A240  81838661  53. T. SNA4APPL.A&. THIS IS ACF/
```

```
        A5A38194  8540A385  A2A38995  87408140  82A28340  F3F2F7F0  409584A2  408485A5  VTAME TESTING A BSC 3270 NDS DEV
        89838540  40404040  40404040  40404040  40404040  40404040  40404040  40404040  ICE
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
        40404040  40404040  40404040  40404040  404040
  IO    T0103601/           79.221/18:52:04.18              OUTBOUND
           TH=1C0010A71006000201 8B    RH=038040   RU=F5F31140E31D40

                          **NOTE:*************************************************************
                          * THE LU SENDS + DR1 RSP TO THE APPLICATION. THEN THE TERMINAL OPER-  *
                          * ATOR HITS PA1 TO TERMINATE THE SESSION.                             *
                          *********************************************************************

  IO          /T0103601   79.221/18:52:05.74              INBOUND
           TH=1C00100610A700020003    RH=838040
  BUF   SNA4APPL/T0103601   79.221/18:52:05.75              INBOUND
   VTAM    TH=1C00100610A700020003    RH=838040
  IO          /T0103601   79.221/18:52:57.80              INBOUND
           TH=1C00100610A700030004    RH=030080   RU=6C                                    *** PA1 KEY ***
  BUF   SNA4APPL/T0103601   79.221/18:52:57.80              INBOUND
   VTAM    TH=1C00100610A700030004    RH=030080
        6C                                                  %

                          **NOTE:*************************************************************
                          *  THE SENSE RU IN THE NEXT ENTRY - X'0813' - IS 'BRACKET BID REJECT - *
                          *  NO RTR FORTHCOMING' - THIS TERMINATES THE SESSION.                 *
                          *********************************************************************


  IO          /T0103601   79.221/18:52:57.84              INBOUND
           TH=1C00100610A700460007    RH=8790C0   RU=08130000                          * BRAC BID REJ *
  BUF   SNA4APPL/T0103601   79.221/18:52:57.85              INBOUND
   VTAM    TH=1C00100610A700460007    RH=8790C0
        08130000                                                ....

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE-----

                          **NOTE:*************************************************************
                          * NOW THE NETWORK OPERATOR WISHES TO SHUTDOWN THE NETWORK.            *
                          * THE LU IS DEACTIVATED FIRST.                                       *
                          *********************************************************************

              ==> V NET,INACT,ID=T0103601
                  F3 07 5A97I  VARY     ACCEPTED

 TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * VTAME FIRST SENDS A DACTLU REQ TO THE LU...                         *
                          *********************************************************************
```

```
  BUF    T0103601/VTAM       79.221/18:55:22.40              OUTBOUND
   VTAM     TH=1D0010A7100100020004    RH=6E8000
         0E                                                          .
  IO     T0103601/           79.221/18:55:22.45              OUTBOUND
           TH=1D0010A7100100020004    RH=6E8000   RU=0E                                  ***  DACTLU REQ  ***
  IO           /T0103601     79.221/18:55:22.68              INBOUND
           TH=1D00100110A700020004    RH=EE8000   RU=0E                                  *** DACTLU +RSP  ***
  BUF    VTAM    /T0103601    79.221/18:55:22.69              INBOUND
   VTAM     TH=1D00100110A700020004    RH=EE8000
         0E                                                          .

                          **NOTE:*************************************************************
                          * ...AND THEN AN UNBIND REQ (NORMAL END OF SESSION). THE UNBIND IS AN  *
                          * INTERNAL UNBIND AND DOES NOT ACTUALLY GO TO THE TERMINAL (NOTE THE   *
                          * ABSENCE OF I/O TRACE ENTRIES).   THIS IS DONE INTERNALLY BY VTAME TO *
                          * CLEAN UP CONTROL BLOCKS.                                             *
                          ***********************************************************************

  BUF    T0103601/SNA4APPL   79.221/18:55:22.79              OUTBOUND
   VTAM     TH=1D0010A7100600020005    RH=6E8000
         3201                                                       ..
  BUF    SNA4APPL/T0103601   79.221/18:55:22.79              INBOUND
   VTAM     TH=1D00100610A700020004    RH=EE8000
         32                                                          .                          ,

CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----

                          **NCTE:*************************************************************
                          * VTAME NOTIFIES THE OPERATOR THAT THE LU IS INACTIVE - NOW THE PU IS  *
                          * DEACTIVATED.                                                         *
                          ***********************************************************************

                F3 07 5B05I  T0103601 NODE NOW INACTIVE
              ==> V NET,INACT,ID=P010360
                F3 07 5A97I  VARY     ACCEPTED

TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------

                          **NOTE:*************************************************************
                          * FIRST VTAME SENDS DACTPU...                                          *
                          ***********************************************************************

  BUF    P010360 /VTAM       79.221/18:55:48.70              OUTBOUND
   VTAM     TH=1D0010A6100100020005    RH=6E8000
         1202                                                       ..
  IO     P010360 /           79.221/18:55:48.75              OUTBOUND
           TH=1D0010A6100100020005    RH=6E8000   RU=1202                                *** DACTPU  REQ ***
  IO           /P010360      79.221/18:55:48.81              INBOUND
           TH=1D00100110A600020004    RH=EE8000   RU=12                                  *** DACTPU +RSP ***
  BUF    VTAM    /P010360     79.221/18:55:48.82              INBOUND
   VTAM     TH=1D00100110A600020004    RH=EE8000
         12                                                          .
```

```
                          **NOTE:*************************************************************
                          * ...FOLLOWED BY THE INTERNAL UNBIND TO CLEAN UP SOME CONTROL BLOCKS.  *
                          *********************************************************************

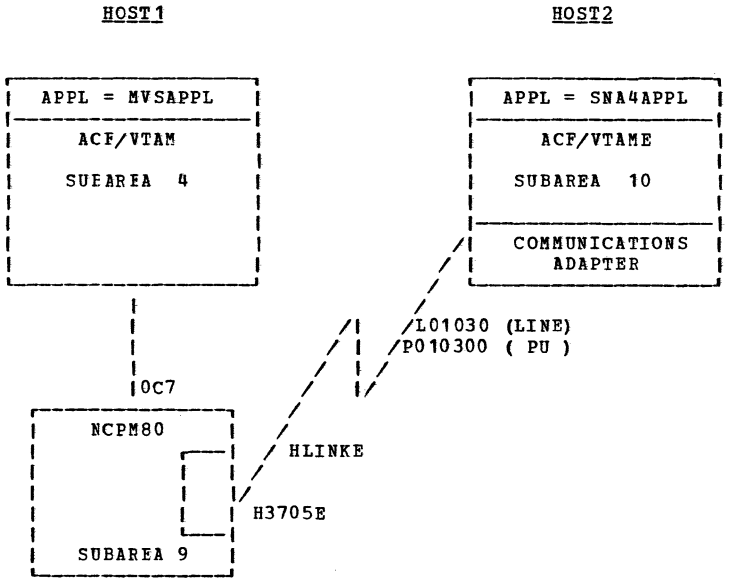
  BUF     P010360 /VTAM        79.221/18:55:48.92                OUTBOUND
   VTAM      TH=1D0010A6100100030005     RH=6E8000
          3201                                                              ..
  BUF     VTAM     /P010360     79.221/18:55:48.93                INBOUND
   VTAM      TH=1D00100110A6000C30004     RH=EE8000
          32                                                                .

CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----

                          **NOTE:*************************************************************
                          * VTAME NOTIFIES THE OPERATOR THAT THE PU IS NOW DEACTIVATED, SO THE   *
                          * OPERATOR DEACTIVATES THE LINE.                                      *
                          *********************************************************************

                    F3 07 5B05I  P010360  NODE NOW INACTIVE
                ==> V NET,INACT,ID=I01036
                    F3 07 5A97I  VARY     ACCEPTED
                    F3 07 5B05I  L01036   NODE NOW INACTIVE
```

CROSS DOMAIN APPLICATION TO APPLICATION SESSION



MULTIDOMAIN CONFIGURATION APPL TO APPL SESSION

```
*************************************************************************
*           CROSS DOMAIN APPLICATION TO APPLICATION SESSION             *
* THIS IS A NORMAL FLOW BUFFER AND RNIO TRACE OF A TWO DOMAIN NETWORK   *
* WHICH CONSISTS OF ACF/VTAME IN A 4331 WITH DOS/VSE, AND ACF/VTAM/MVS *
* IN A SYSTEM/370. IT INCLUDES:                                         *
*           1) ACTIVATION OF THE APPLICATIONS IN EACH DOMAIN            *
*           2) APPLICATION LOGON VIA DOMAIN OPERATOR COMMAND            *
*           3) DATA TRAFFIC BETWEEN THE APPLICATIONS                    *
*           4) LOGOFF                                                   *
*              ***********************************                      *
* TRACES AND SYSTEM CONSOLE OUTPUT OF BOTH DOMAINS ARE SHOWN ORDERED    *
* BY TIME STAMPS WHERE POSSIBLE - DOS/VSE DOES NOT TIME STAMP ITS LOG.  *
* THE REASONS FOR THE DIFFERENCE IN HOURS OF THE TIME STAMPS:           *
*      1) GTF TIMESTAMPS ARE GREENWICH MEAN TIME                        *
*      2) THE 4331 TRACE TIMESTAMPS ARE GMT ALSO BUT ONE HOUR EARLY     *
*      3) THE MVS LOG TIMESTAMPS ARE LOCAL TIME                         *
*                ***********************************                    *
* REFER TO THE PREVIOUS PAGE FOR THE CONFIGURATION USED IN THIS TEST    *
*                                                                       *
*  ==> IS AN INDICATOR INSERTED BY THE WRITER TO SHOW OPERATOR ACTION   *
*************************************************************************
```

CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE----------CONSOLE-------

```
**NOTE:*********************************************************************
* THIS IS THE INITIALIZATION OF THE APPL IN DOMAIN 1.                    *
*************************************************************************
```

DOMN 1

```
==> S APPL,NAME=SNA4APPL
20.08.16 STC    12  $HASP100 APPL     ON STCINRDR
20.08.18 STC    12  $HASP373 APPL     STARTED
20.08.20 STC    12 @13 ***SNA4APPL:  REPLY EOB FOR HARDCOPY LOG;  NO FOR NO HARDCOPY.
==> 13NO
20.08.46            IEE600I REPLY TO 13 IS;SUPPRESSED
20.08.47 STC    12 @14 ***SNA4APPL:  CHOOSE AN APPLID, UP TO 8 CHARACTERS.  DEFAULT IS APPL4.
==> 14MVSAPPL
20.09.03            IEE600I REPLY TO 14 IS;SUPPRESSED
20.09.07 STC    12 @15 ***MVSAPPL :  REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON, 5-LOG OPTIONS, 6-DEFAULTS, 7-SECOND
==> 156
20.09.21            IEE600I REPLY TO 15 IS;SUPPRESSED
20.09.21 STC    12 @16 ***MVSAPPL :  SPECIFY DEFAULTS: 1-CONVERSATIONAL, 2-AUTO ECHO, 3-FULL SCREEN ECHO.  DEFAULT IS CONVER
==> 161
20.09.36            IEE600I REPLY TO 16 IS;SUPPRESSED
20.09.36 STC    12  +**MVSAPPL :  AUTO RESP EXIT ECHOING IS INACTIVE.
20.09.36 STC    12 @17 ***MVSAPPL :  REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON, 5-LOG OPTIONS, 6-DEFAULTS, 7-SECOND
```

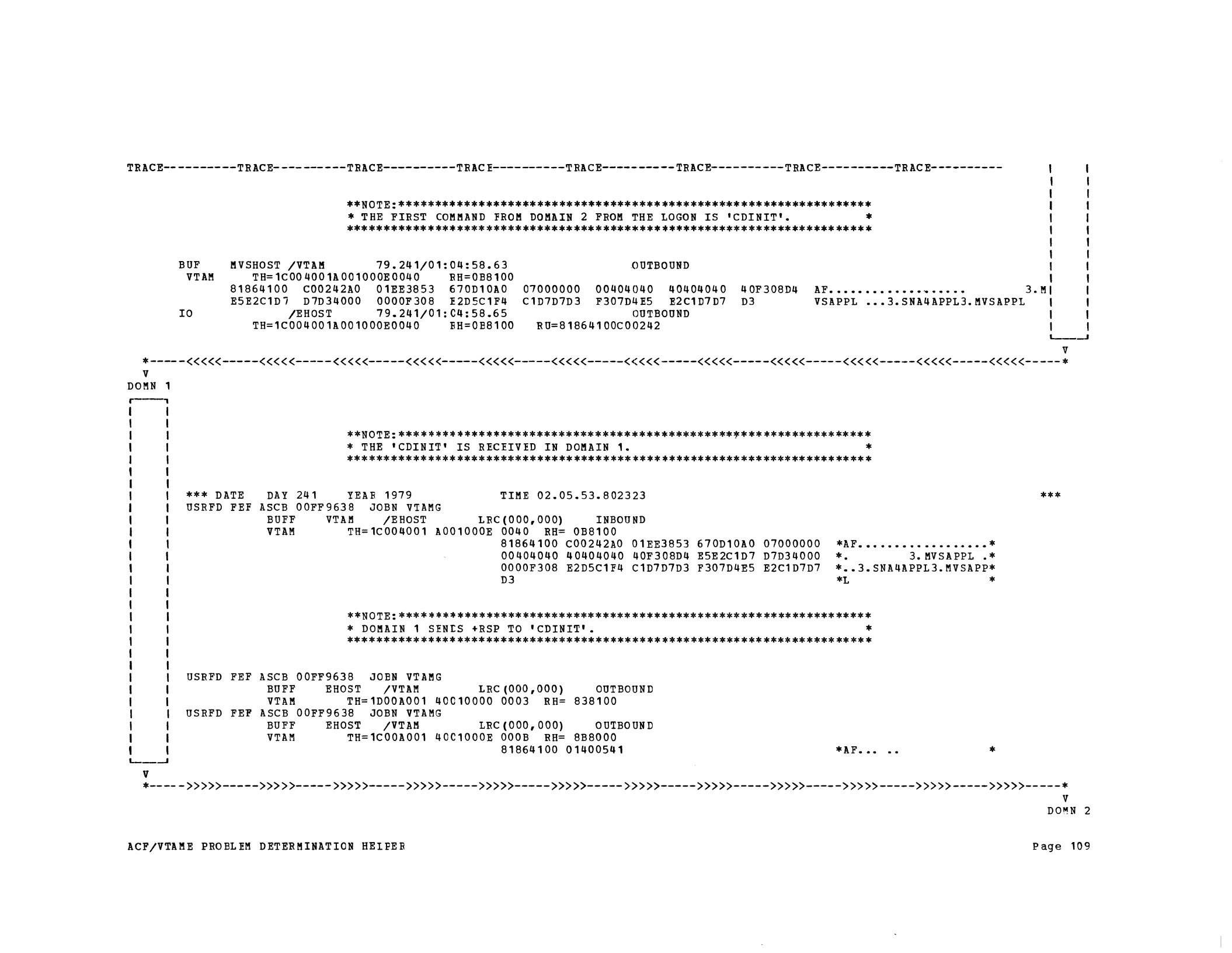
DOMN 2

```
                    **NCTE:*************************************************************
                    * FOLLOWING IS THE INITIALIZATION OF THE APPL IN DOMAIN 2.          *
                    ************************************************************************


     F4 04 // PAUSE
    *F4-04
==>  4 EXEC SNA4APPL
     F4 04 ***SNA4APPL:  REPLY ECE FOR HARDCOPY LOG;  NO FOR NO HARDCOPY.
    *F4-04
==>  4 NO
     F4 04 ***SNA4APPL:  CHOOSE AN APPLID, UP TO 8 CHARACTERS.  DEFAULT IS APPL4.
    *F4-04
==>  4 SNA4APPL
     F4 04 ***SNA4APPL:  REPLY 'MSG NN' FOR OPERATOR COMMUNICATIONS
==>  MSG F4
     F4 04 ***SNA4APPL:  REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON,
           5-LOG CPTIONS, 6-DEFAULTS, 7-SECONDARY FUNCTIONS
    *F4-04
==>  4 6
     F4 04 ***SNA4APPL:  SPECIFY DEFAULTS: 1-CONVERSATIONAL, 2-AUTO ECHO, 3-FULL
           SCREEN ECHO.  DEFAULT IS CONVERSATIONAL.
    *F4-04
==>  4 1
     F4 04 **SNA4APPL:  AUTO RESP EXIT ECHCING IS INACTIVE.
     F4 04 ***SNA4APPL:  REPLY 'MSG NN' FOR OPERATOR COMMUNICATIONS


                    **NOTE:*************************************************************
                    * THE OPERATOR OF DOMAIN 2 LOGS DOMAIN 2'S APPL ON TO DOMAIN 1'S APPL. *
                    ************************************************************************


==>  MSG F4
     F4 04 ***SNA4APPL:  REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON,
           5-LOG OPTICNS, 6-DEFAULTS, 7-SECONDARY FUNCTIONS
    *F4-04
==>  4 7
     F4 04 ***SNA4APPL:  SPECIFY FUNCTION DESIRED: 1-LOGON, 2-LOGOFF.  DEFAULT
           FUNCTION IS LOGON.
    *F4-04
==>  4 1
     F4 04 ***SNA4APPL:  FOR LOGCN, REPLY APPLID,OPTION.  N IS ONLY VALID OPTION.
             DEFAULT IS NCT NEG. HIT EOB TO END.
    *F4-04
==>  4 MVSAPPL
     F4 04 ***SNA4APPL:  FOR LOGCN, REPLY APPLID,OPTION.  N IS ONLY VALID OPTION.
             DEFAULT IS NOT NEG. HIT EOB TO END.
    *F4-04
==>  4(EOB)
     F4 04 ***SNA4APPL:  REPLY 'MSG NN' FOR OPERATOR COMMUNICATIONS
```


TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------
NOTE:********
* THE FIRST COMMAND FROM DOMAIN 2 FROM THE LOGON IS 'CDINIT'. *
****
BUF MVSHOST /VTAM 79.241/01:04:58.63 OUTBOUND
VTAM TH=1C004001A001000E0040 RH=0B8100
81864100 C00242A0 01EE3853 670D10A0 07000000 00404040 40404040 40F308D4 AF.... 3.M
E5E2C1D7 D7D34000 0000F308 E2D5C1F4 C1D7D7D3 F307D4E5 E2C1D7D7 D3 VSAPPL ...3.SNA4APPL3.MVSAPPL
IO /EHOST 79.241/01:04:58.65 OUTBOUND
TH=1C004001A001000E0040 RH=0B8100 RU=81864100C00242
DOMN 1
NOTE:********
* THE 'CDINIT' IS RECEIVED IN DOMAIN 1. *
****
*** DATE DAY 241 YEAR 1979 TIME 02.05.53.802323 ***
USRFD FEF ASCB 00FF9638 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1C004001 A001000E 0040 RH= 0B8100
81864100 C00242A0 01EE3853 670D10A0 07000000 *AF.....*
00404040 40404040 40F308D4 E5E2C1D7 D7D34000 *. 3.MVSAPPL .*
0000F308 E2D5C1F4 C1D7D7D3 F307D4E5 E2C1D7D7 *..3.SNA4APPL3.MVSAPP*
D3 *L *
NOTE:********
* DOMAIN 1 SENDS +RSP TO 'CDINIT'. *
****
USRFD FEF ASCB 00FF9638 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1D00A001 40C10000 0003 RH= 838100
USRFD FEF ASCB 00FF9638 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1C00A001 40C1000E 000B RH= 8B8000
81864100 01400541 *AF... .. *
DOMN 2

```
                        **NOTE:*************************************************************
                        * DCMAIN 2 RECEIVES +RSP TO 'CDINIT'.                               *
                        *********************************************************************

IO      EHOST   /           79.241/01:05:00.66              INBOUND
           TH=1D00A0014001001000000003    RH=838100
BUF     VTAM    /MVSHOST    79.241/01:05:00.67              INBOUND
 VTAM      TH=1D00A0014001001000000003    RH=838100
IO      EHOST   /           79.241/01:05:01.06              INBOUND
           TH=1C00A0014001000E000B    RH=8E8000   RU=81864100014005
BUF     VTAM    /MVSHOST    79.241/01:05:01.07              INBOUND
 VTAM      TH=1C00A0014001000E000B    RH=8B8000
        81864100  01400541                                                  AF... ..

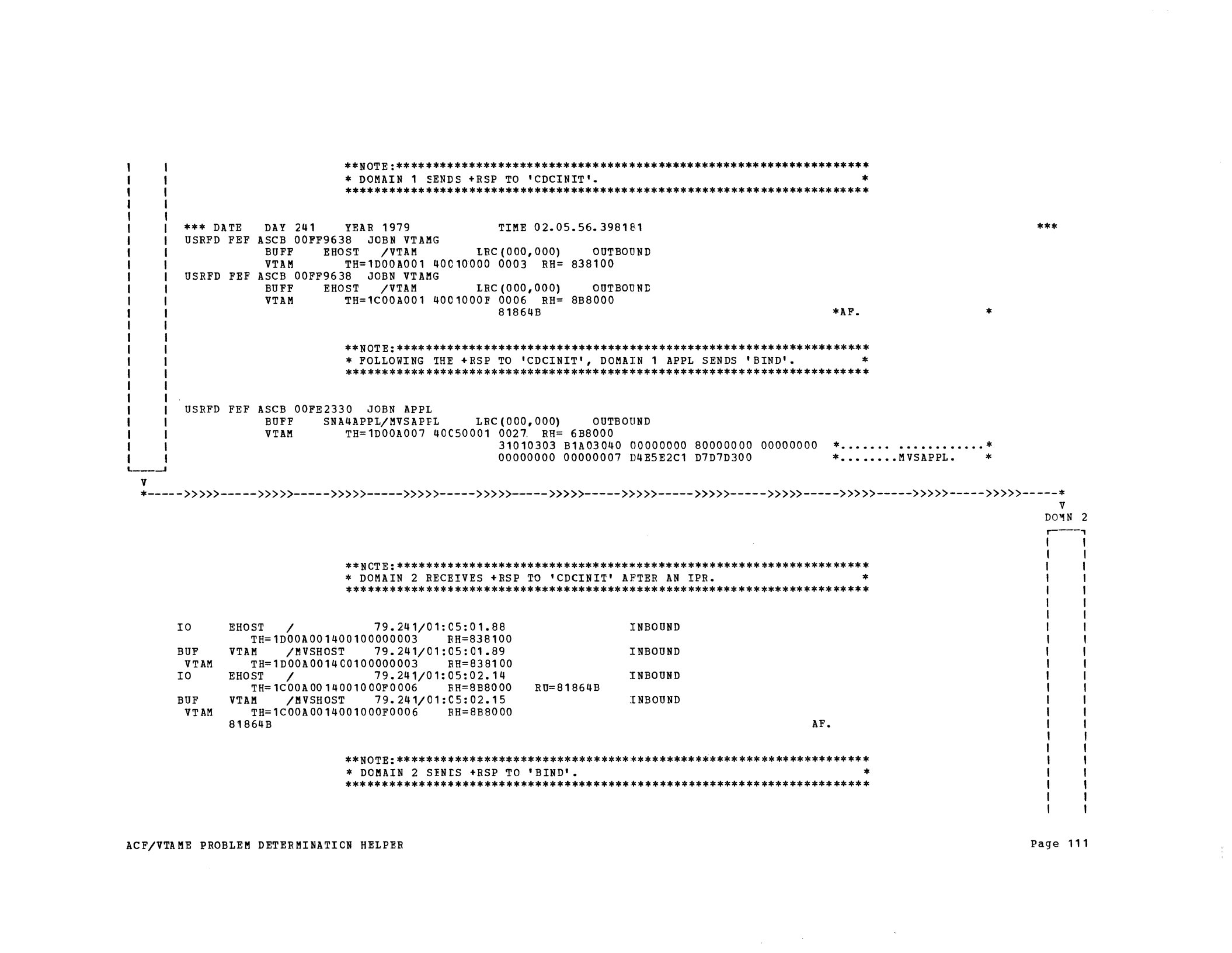
                        **NOTE:*************************************************************
                        * NOW DOMAIN 2 SEND 'CDCINIT'.                                      *
                        *********************************************************************

BUF     MVSHOST /VTAM       79.241/01:05:01.17              OUTBOUND
 VTAM      TH=1C004001A001000F0043    RH=0B8100
        81864B00  00A001EE  3853670D  104005A0  07001C01  0303B1A0  30400000  00008000  AF.......... .......... ......
        00000000  00000000  0000000C  00000000  0E01C06D  00000080  00000000  00000000  ..................._...........
IO              /EHOST      79.241/01:05:01.18              OUTBOUND
           TH=1C004001A001000F0043    RH=0B8100   RU=81864B0000A001

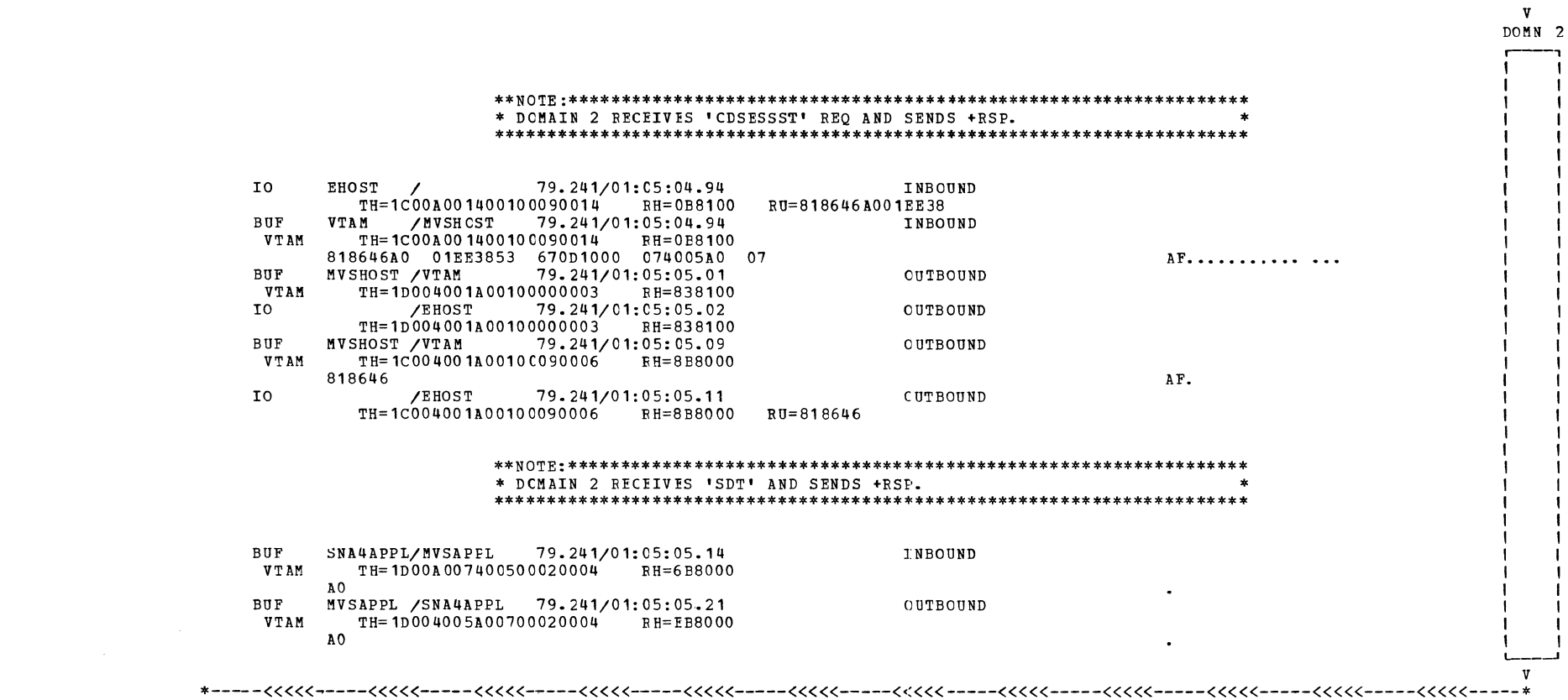
DOMN 1

                        **NOTE:*************************************************************
                        * DOMAIN 1 RECEIVES 'CDCINIT'.                                      *
                        *********************************************************************

 USRFD FEF ASCB 00FF9638  JOBN VTAMG
             BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
             VTAM       TH=1C004001 A001000F 0043  RH= 0B8100
                                     81864B00 00A001EE 3853670D 104005A0 07001C01  *AF.......... ......*
                                     0303B1A0 30400000 00008000 00000000 00000000  *..... ..............*
                                     00000000 00000000 0E01C06D 00000080 00000000  *............_........*
                                     00000000                                      *....              *
```


NOTE:********
* DOMAIN 1 SENDS +RSP TO 'CDCINIT'. *
****
*** DATE DAY 241 YEAR 1979 TIME 02.05.56.398181 ***
USRFD FEF ASCB 00FF9638 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1D00A001 40C10000 0003 RH= 838100
USRFD FEF ASCB 00FF9638 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1C00A001 4001000F 0006 RH= 8B8000
81864B *AF. *
NOTE:********
* FOLLOWING THE +RSP TO 'CDCINIT', DOMAIN 1 APPL SENDS 'BIND'. *
****
USRFD FEF ASCB 00FE2330 JOBN APPL
BUFF SNA4APPL/MVSAPPL LRC(000,000) OUTBOUND
VTAM TH=1D00A007 40C50001 0027 RH= 6B8000
31010303 B1A03040 00000000 80000000 00000000 *..... .....*
00000000 00000007 D4E5E2C1 D7D7D300 *.....MVSAPPL. *
DOMN 2
NCTE:********
* DOMAIN 2 RECEIVES +RSP TO 'CDCINIT' AFTER AN IPR. *
****
IO EHOST / 79.241/01:05:01.88 INBOUND
TH=1D00A001400100000003 RH=838100
BUF VTAM /MVSHOST 79.241/01:05:01.89 INBOUND
VTAM TH=1D00A0014C0100000003 RH=838100
IO EHOST / 79.241/01:05:02.14 INBOUND
TH=1C00A0014001000F0006 RH=8B8000 RU=81864B
BUF VTAM /MVSHOST 79.241/01:05:02.15 INBOUND
VTAM TH=1C00A0014001000F0006 RH=8B8000
81864B AF.
NOTE:********
* DOMAIN 2 SENIS +RSP TO 'BIND'. *
****

```
      BUF     MVSAPPL /SNA4APPL   79.241/01:05:04.16              OUTBOUND                              |    |
       VTAM       TH=1D004005A00700010005     RH=EB8000                                                 |.   |
              3101                                                                 ..                   |    |
                                                                                                        |____|
                                                                                                          V
  *-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
  V
DOMN 1
 ____
|    |
|    |
|    |                    **NOTE:*************************************************************
|    |                    * DOMAIN 1 RECEIVES +RSP TO 'BIND'.                                  *
|    |                    ********************************************************************
|    |
|    |
|    |  USRFD FEF ASCB 00FE2330  JOBN APPL
|    |           BUFF    MVSAPPL /SNA4APPL    LRC(000,000)    INBOUND
|    |           VTAM       TH=1D004005 A0070001 0005  RH= EB8000
|    |                                      3101                                        *..               *
|    |
|    |
|    |  CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE-----------CONSOLE------------CONSOLE-----------CONSOLE-------
|    |
|    |                    **NOTE:*************************************************************
|    |                    * NOW MVSAPPL NOTIFIES DOMAIN 1 OPERATOR OF SUCCESSFUL LOGON
|    |                    ********************************************************************
|    |
|    |
|    |  21.06.00 STC   12  +**MVSAPPL :  SNA4APPL LOGON SUCCESSFUL
|    |
|    |
|    |  TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------TRACE----------
|    |
|    |                    **NOTE:*************************************************************
|    |                    * DOMAIN 1 SENDS 'CDSESSST', IMMEDIATELY FOLLOWED BY 'SDT'.          *
|    |                    ********************************************************************
|    |
|    |
|    |  USRFD FEF ASCB 00FF9638  JOBN VTAMG
|    |           BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
|    |           VTAM       TH=1C00A001 40010009 0014  RH= 0B8100
|    |                                      818646A0 01EE3853 670D1000 074005A0 07        *AF........... ...   *
|    |  USRFD FEF ASCB 00FE2330  JOBN APPL
|    |           BUFF    SNA4APPL/MVSAPPL     LRC(000,000)    OUTBOUND
|    |           VTAM       TH=1D00A007 40050002 0004  RH= 6B8000
|____|                                      A0                                          *.                *
  V
  *----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
```


V
DOMN 2
NOTE:********
* DOMAIN 2 RECEIVES 'CDSESSST' REQ AND SENDS +RSP. *
****
IO EHOST / 79.241/01:05:04.94 INBOUND
TH=1C00A0014001000090014 RH=0B8100 RU=818646A001EE38
BUF VTAM /MVSHOST 79.241/01:05:04.94 INBOUND
VTAM TH=1C00A0014001000090014 RH=0B8100
818646A0 01EE3853 670D1000 074005A0 07 AF..... ...
BUF MVSHOST /VTAM 79.241/01:05:05.01 OUTBOUND
VTAM TH=1D004001A00100000003 RH=838100
IO /EHOST 79.241/01:05:05.02 OUTBOUND
TH=1D004001A00100000003 RH=838100
BUF MVSHOST /VTAM 79.241/01:05:05.09 OUTBOUND
VTAM TH=1C004001A0010C090006 RH=8B8000
818646 AF.
IO /EHOST 79.241/01:05:05.11 OUTBOUND
TH=1C004001A00100090006 RH=8B8000 RU=818646
NOTE:********
* DOMAIN 2 RECEIVES 'SDT' AND SENDS +RSP. *
****
BUF SNA4APPL/MVSAPPL 79.241/01:05:05.14 INBOUND
VTAM TH=1D00A007400500020004 RH=6B8000
A0 .
BUF MVSAPPL /SNA4APPL 79.241/01:05:05.21 OUTBOUND
VTAM TH=1D004005A00700020004 RH=EB8000
A0 .
V
V
DOMN 1
NOTE:********
* DOMAIN 1 APPL RECEIVES +RSP TO 'CDCSESST' AND THE 'SDT' RSP AND SENDS*
* FIRST BLOCK CF DATA TO SNA4APPL, DOMAIN 2'S APPL. *
****
USRFD FEF ASCB 00FF9638 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1D004001 A0010000 0003 RH= 838100

```
USRFD FEF ASCB 00FF9638  JOBN VTAMG
          BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
          VTAM       TH=1C004001 A0C10009 0006  RH= 8B8000
                                          818646                                  *AF.                  *
USRFD FEF ASCB 00FE2330  JOBN APPL
          BUFF    MVSAPPL /SNA4APPL    LRC(000,000)    INBOUND
          VTAM       TH=1D004005 A0C70002 0004  RH= EB8000
                                          A0                                      *.                    *
USRFD FF1 ASCB 00FE2330  JOBN APPL
          BUFF    SNA4APPL/MVSAPPL     LRC(000,000)    OUTBOUND
                    USER                  15D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 40C5C3C8  *.MVSAPPL IN AUTO ECH*
                                          D640D4D6 C4C54B40 40F0F0F0 15                  *O MODE.  000.       *
USRFD FEF ASCB 00FE2330  JOBN APPL
          BUFF    SNA4APPL/MVSAPPL     LRC(000,000)    OUTBOUND
          VTAM       TH=1C00A007 40C50001 0024  RH= 0380C0
                                          15D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 40C5C3C8  *.MVSAPPL IN AUTO ECH*
                                          D640D4D6 C4C54B40 40F0F0F0 15                  *O MODE.  000.       *
```

DOMN 2

NOTE:********
* DOMAIN 2 APPL RECEIVES REQ W/DATA AND RESPONDS W/ECHO'D DATA. *
****

```
BUF    SNA4APPL/MVSAPPL    79.241/01:05:05.98              INBOUND
 VTAM     TH=1C00A0074005000010024    RH=0380C0
       15D4E5E2  C1D7D7D3  40C9D540  C1E4E3D6  40C5C3C8  D640D4D6  C4C54B40  40F0F0F0  .MVSAPPL IN AUTO ECHO MODE.  000
       15                                                                             .
BUF    SNA4APPL/MVSAPPL    79.241/01:05:06.01              INBOUND
 USER  15D4E5E2  C1D7D7D3  40C9D540  C1E4E3D6  40C5C3C8  D640D4D6  C4C54B40  40F0F0F0  .MVSAPPL IN AUTO ECHO MODE.  000
       15                                                                             .
BUF    MVSAPPL /SNA4APPL   79.241/01:05:06.13              OUTBOUND
 VTAM     TH=1C004005A00700010003    RH=838000
BUF    MVSAPPL /SNA4APPL   79.241/01:05:06.18              OUTBOUND
 USER  1515D4E5  E2C1D7D7  D340C9D5  40C1E4E3  D640C5C3  C8D640D4  D6C4C54B  4040F0F0  ..MVSAPPL IN AUTO ECHO MODE.  00
       F01515                                                                         0..
BUF    MVSAPPL /SNA4APPL   79.241/01:05:06.21              OUTBOUND
 VTAM     TH=1C004005A00700010026    RH=0380C0
       1515D4E5  E2C1D7D7  D340C9D5  40C1E4E3  D640C5C3  C8D640D4  D6C4C54B  4040F0F0  ..MVSAPPL IN AUTO ECHO MODE.  00
       F01515                                                                         0..
```

DOMN 1

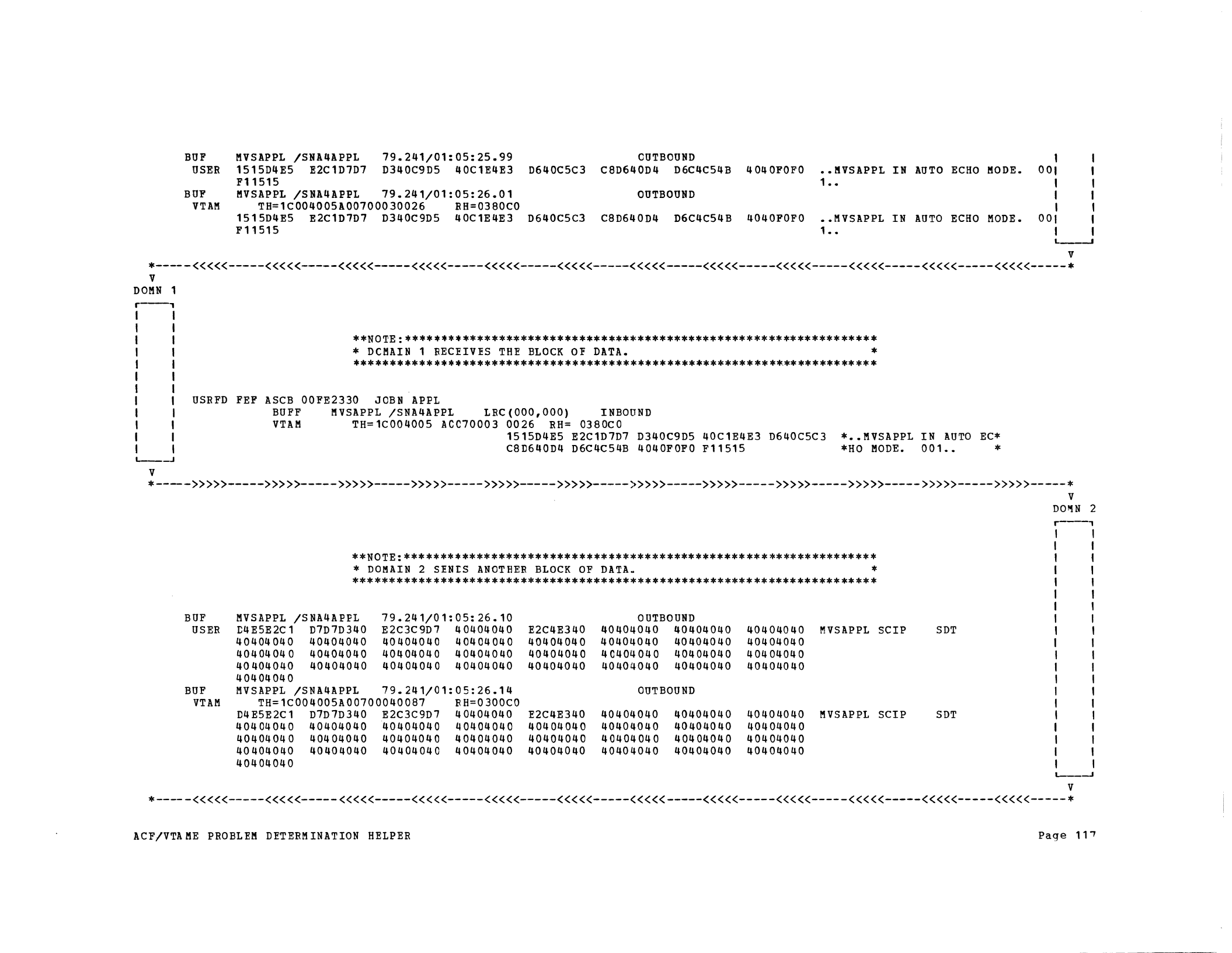
```
                        **NOTE:*************************************************************
                        * DOMAIN ONE APPL RECEIVES +RSP AND SENDS ANOTHER BLOCK OF DATA.      *
                        **********************************************************************

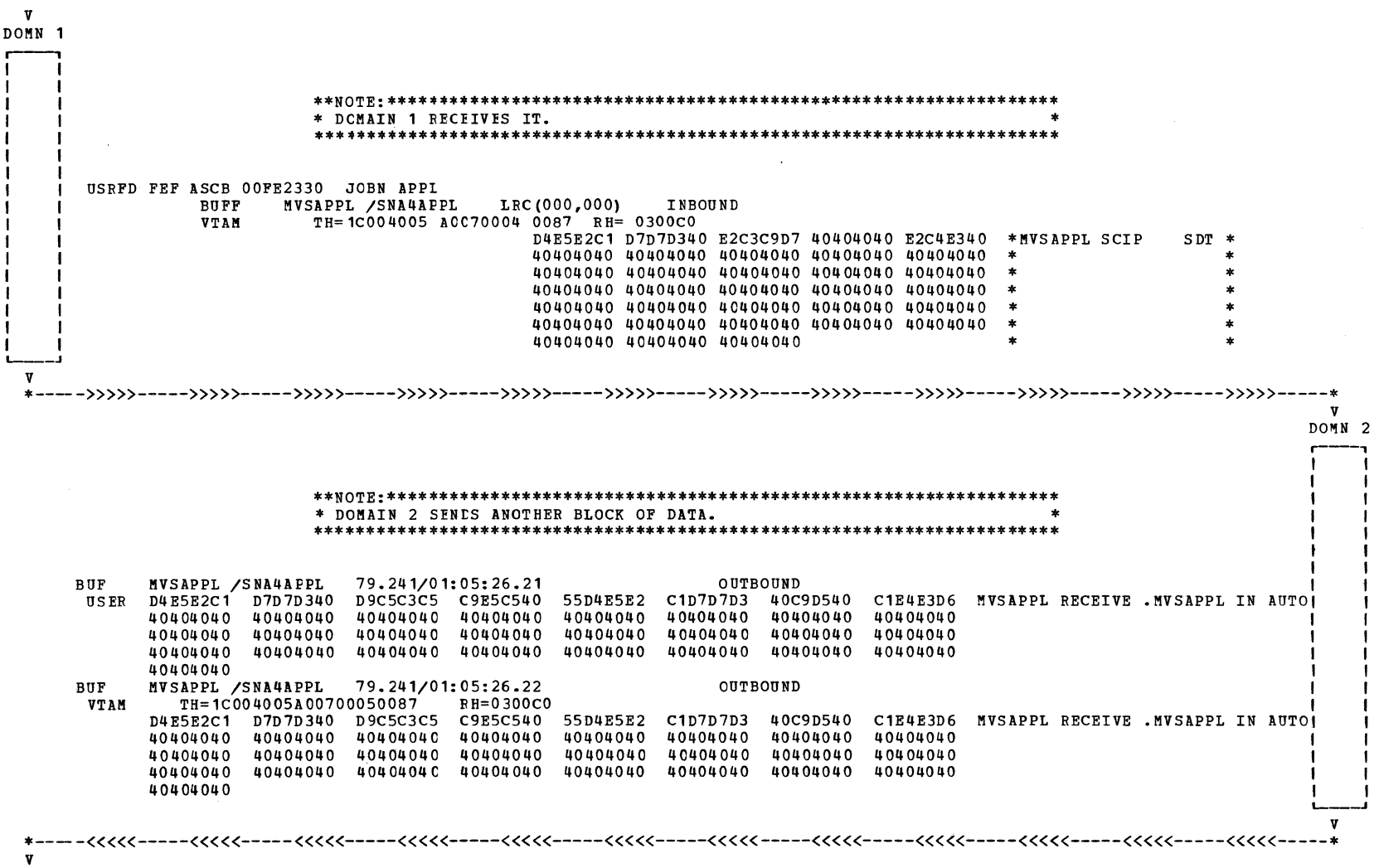

  USRFD FEF ASCB 00FE2330  JOBN APPL
             BUFF     MVSAPPL /SNA4APPL     LRC(000,000)     INBOUND
             VTAM        TH=1C004005 A0C70001 0003  RH= 838000
  USRFD FEF ASCB 00FE2330  JOBN APPL
             BUFF     MVSAPPL /SNA4APPL     LRC(000,000)     INBOUND
             VTAM        TH=1C004005 A0C70001 0026  RH= 0380C0
                                              1515D4E5 E2C1D7D7 D340C9D5 40C1E4E3 D640C5C3  *..MVSAPPL IN AUTO EC*
                                              C8D640D4 D6C4C54B 4040F0F0 F01515             *HO MODE.  000..     *
  USRFD FF1 ASCB 00FE2330  JOBN APPL
             BUFF     SNA4APPL/MVSAPPL      LRC(000,000)     OUTBOUND
                        USER                  15D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 40C5C3C8  *.MVSAPPL IN AUTO ECH*
                                              D640D4D6 C4C54B40 40F0F0F1 15                 *O MODE.  001.       *
  USRFD FEF ASCB 00FE2330  JOBN APPL
             BUFF     SNA4APPL/MVSAPPL      LRC(000,000)     OUTBOUND
             VTAM        TH=1C00A007 40C50002 0024  RH= 0380C0
                                              15D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 40C5C3C8  *.MVSAPPL IN AUTO ECH*
                                              D640D4D6 C4C54B40 40F0F0F1 15                 *O MODE.  001.       *
```

```
                        **NOTE:*************************************************************
                        * DOMAIN 2 RECEIVES DATA AND SENDS SOME DATA AND THEN RESPONDS TO ECHO.*
                        * THE NEXT FEW PAGES OF TRACES ARE NORMAL DATA TRANSFER BETWEEN THE LU *
                        * AND THE APPLICATION. THE NEXT SYSTEM TRACES START ON PAGE 128.      *
                        **********************************************************************


  BUF    SNA4APPL/MVSAPPL    79.241/01:05:07.16                INBOUND
   VTAM     TH=1C00A007400500020024    RH=0380C0
         15D4E5E2  C1D7D7D3  40C9D540  C1E4E3D6  40C5C3C8  D640D4D6  C4C54B40  40F0F0F1  .MVSAPPL IN AUTO ECHO MODE.  001
         15                                                                              .
  BUF    MVSAPPL /SNA4APPL   79.241/01:05:25.75                OUTBOUND
   USER  D4E5E2C1  D7D7D340  E2C3C9D7  40404040  C2C9D5C4  40404040  40404040  40404040  MVSAPPL SCIP    BIND
         40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
         40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
         40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
         40404040
  BUF    SNA4APPL/MVSAPPL    79.241/01:05:25.79                INBOUND
   USER  15D4E5E2  C1D7D7D3  40C9D540  C1E4E3D6  40C5C3C8  D640D4D6  C4C54B40  40F0F0F1  .MVSAPPL IN AUTO ECHO MODE.  001
         15                                                                              .
  BUF    MVSAPPL /SNA4APPL   79.241/01:05:25.80                OUTBOUND
   VTAM     TH=1C004005A00700020087    RH=0300C0
         D4E5E2C1  D7D7D340  E2C3C9D7  40404040  C2C9D5C4  40404040  40404040  40404040  MVSAPPL SCIP    BIND
         40404040  40404040  4040404C  40404040  40404040  40404040  40404040  40404040
```

```
          40404040  40404040  4040404C  40404040  40404040  40404040  40404040  40404040                     |    |
          40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040                     |    |
          40404040                                                                                           |    |
     BUF    MVSAPPL /SNA4APPL   79.241/01:05:25.91                 CUTBOUND                                  |    |
      VTAM     TH=1C004005A00700020003     RH=838000                                                         |____|
                                                                                                               V
 *-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
 V
DOMN 1
 ____
|    |
|    |
|    |              **NOTE:*********************************************************************
|    |              * DOMAIN 1 APPL RECEIVES THE DATA AND +RSP FROM DOMAIN 2 APPL, AND         *
|    |              * SENDS ANOTHEF BLOCK OF DATA.                                             *
|    |              ****************************************************************************
|    |
|    |
|    | USRFD FEF ASCB 00FE2330  JCBN APPL
|    |            BUFF    MVSAPPL /SNA4APPL    LRC(000,000)    INBOUND
|    |            VTAM       TH=1C004005 A0070002 0087  RH= 0300C0
|    |                                        D4E5E2C1 D7D7D340 E2C3C9D7 40404040 C2C9D5C4  *MVSAPPL SCIP    BIND*
|    |                                        40404040 40404040 40404040 40404040 40404040  *                    *
|    |                                        40404040 40404040 40404040 40404040 40404040  *                    *
|    |                                        40404040 40404040 40404040 40404040 40404040  *                    *
|    |                                        40404040 40404040 40404040 40404040 40404040  *                    *
|    |                                        40404040 40404040 40404040 40404040 40404040  *                    *
|    |                                        40404040 40404040 40404040                    *                    *
|    | USRFD FEF ASCB 00FE2330  JOBN APPL
|    |            BUFF    MVSAPPL /SNA4APPL    LRC(000,000)    INBOUND
|    |            VTAM       TH=1C004005 A0C70002 0003  RH= 838000
|    | USRFD FF1 ASCB 00FE2330  JOBN APPL
|    |            BUFF    SNA4APPL/MVSAPPL     LRC(000,000)    OUTBOUND
|    |                 USER                   15D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 40C5C3C8  *.MVSAPPL IN AUTO ECH*
|    |                                        D640D4D6 C4C54B40 40F0F0F2 15                 *O MODE.  002.       *
|    | USRFD FEF ASCB 00FE2330  JOBN APPL
|    |            BUFF    SNA4APPL/MVSAPPL     LRC(000,000)    OUTBOUND
|    |            VTAM       TH=1C00A007 40C50003 0024  RH= 0380C0
|    |                                        15D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 40C5C3C8  *.MVSAPPL IN AUTO ECH*
|____|                                        D640D4D6 C4C54B40 40F0F0F2 15                 *O MODE.  002.       *
 V
 *----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                               V
                                                                                                             DOMN 2
                                                                                                             ____
                                                                                                            |    |
                    **NOTE:*********************************************************************            |    |
                    * DOMAIN 2 SENDS A BLOCK OF DATA.                                          *            |    |
                    ****************************************************************************            |    |
                                                                                                            |    |
```


BUF MVSAPPL /SNA4APPL 79.241/01:05:25.99 CUTBOUND
USER 1515D4E5 E2C1D7D7 D340C9D5 40C1E4E3 D640C5C3 C8D640D4 D6C4C54B 4040F0F0 ..MVSAPPL IN AUTO ECHO MODE. 00
F11515 1..
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.01 OUTBOUND
VTAM TH=1C004005A00700030026 RH=0380C0
1515D4E5 E2C1D7D7 D340C9D5 40C1E4E3 D640C5C3 C8D640D4 D6C4C54B 4040F0F0 ..MVSAPPL IN AUTO ECHO MODE. 00
F11515 1..
DOMN 1
NOTE:********
* DCMAIN 1 RECEIVES THE BLOCK OF DATA. *
****
USRFD FEF ASCB 00FE2330 JOBN APPL
BUFF MVSAPPL /SNA4APPL LRC(000,000) INBOUND
VTAM TH=1C004005 ACC70003 0026 RH= 0380C0
1515D4E5 E2C1D7D7 D340C9D5 40C1E4E3 D640C5C3 *..MVSAPPL IN AUTO EC*
C8D640D4 D6C4C54B 4040F0F0 F11515 *HO MODE. 001.. *
DOMN 2
NOTE:********
* DOMAIN 2 SENIS ANOTHER BLOCK OF DATA. *
****
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.10 OUTBOUND
USER D4E5E2C1 D7D7D340 E2C3C9D7 40404040 E2C4E340 40404040 40404040 40404040 MVSAPPL SCIP SDT
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.14 OUTBOUND
VTAM TH=1C004005A00700040087 RH=0300C0
D4E5E2C1 D7D7D340 E2C3C9D7 40404040 E2C4E340 40404040 40404040 40404040 MVSAPPL SCIP SDT
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040


V
DOMN 1
NOTE:********
* DOMAIN 1 RECEIVES IT. *
****
USRFD FEF ASCB 00FE2330 JOBN APPI
BUFF MVSAPPL /SNA4APPL LRC(000,000) INBOUND
VTAM TH=1C004005 A0C70004 0087 RH= 0300C0
D4E5E2C1 D7D7D340 E2C3C9D7 40404040 E2C4E340 *MVSAPPL SCIP SDT *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 * *
V
V
DOMN 2
NOTE:********
* DOMAIN 2 SENDS ANOTHER BLOCK OF DATA. *
****
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.21 OUTBOUND
USER D4E5E2C1 D7D7D340 D9C5C3C5 C9E5C540 55D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 MVSAPPL RECEIVE .MVSAPPL IN AUTO
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.22 OUTBOUND
VTAM TH=1C004005A00700050087 RH=0300C0
D4E5E2C1 D7D7D340 D9C5C3C5 C9E5C540 55D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 MVSAPPL RECEIVE .MVSAPPL IN AUTO
40404040 40404040 4040404C 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 4040404C 40404040 40404040 40404040 40404040 40404040
40404040
V
V
DOMN 1

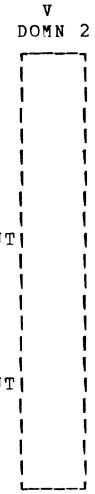

NOTE:********
* DOMAIN 1 RECEIVES IT. *
****
USRFD FEF ASCB 00FE2330 JOBN APPL
BUFF MVSAPPL /SNA4APPL LRC(000,000) INBOUND
VTAM TH=1C004005 A0C70005 0087 RH= 0300C0
D4E5E2C1 D7D7D340 D9C5C3C5 C9E5C540 55D4E5E2 *MVSAPPL RECEIVE .MVS*
C1D7D7D3 40C9D540 C1E4E3D6 40404040 40404040 *APPL IN AUTO *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 * *
DOMN 2
NOTE:********
* DOMAIN 2 SENDS ANOTHER BLOCK OF DATA. *
****
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.28 OUTBOUND
USER D4E5E2C1 D7D7D340 D9D6C3D2 C4C4D940 40404040 40404040 40404040 40404040 MVSAPPL ROCKDDR
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.29 OUTBOUND
VTAM TH=1C004005A00700060087 RH=0300C0
D4E5E2C1 D7D7D340 D9D6C3D2 C4C4D940 40404040 40404040 40404040 40404040 MVSAPPL ROCKDDR
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040
DOMN 1
NOTE:********
* DOMAIN 1 RECEIVES IT. *
****

```
|     |  USRFD FEF ASCB 00FE2330  JOBN APPL
|     |           BUFF    MVSAPPL /SNA4APPL    LRC(000,000)    INBOUND
|     |           VTAM       TH=1C004005 A0070006 0087  RH= 0300C0
|     |                                    D4E5E2C1 D7D7D340 D9D6C3D2 C4C4D940 40404040  *MVSAPPL ROCKDDR     *
|     |                                    40404040 40404040 40404040 40404040 40404040  *                   *
|     |                                    40404040 40404040 40404040 40404040 40404040  *                   *
|     |                                    40404040 40404040 40404040 40404040 40404040  *                   *
|     |                                    40404040 40404040 40404040 40404040 40404040  *                   *
|     |                                    40404040 40404040 40404040 40404040 40404040  *                   *
|     |                                    40404040 40404040 40404040                    *                   *
|_____|
  V
  *----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                                                 V
                                                                                                                              DOMN 2
                                                                                                                              _____
                                                                                                                             |     |
                                                                                                                             |     |
                       **NOTE:*******************************************************************                           |     |
                       * DOMAIN 2 SENDS ANOTHER BLOCK.                                          *                           |     |
                       **************************************************************************                           |     |
                                                                                                                             |     |
                                                                                                                             |     |
     BUF     MVSAPPL /SNA4APPL    79.241/01:05:26.35                  OUTBOUND                                               |     |
      USER   D4E5E2C1  D7D7D340  E2C5D5C4  D9C5E2D7  40404040  40404040  40404040  40404040  MVSAPPL SENDRESP                |     |
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040                                  |     |
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040                                  |     |
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040                                  |     |
             40404040                                                                                                        |     |
     BUF     MVSAPPL /SNA4APPL    79.241/01:05:26.37                  OUTBOUND                                               |     |
      VTAM      TH=1C004005A00700070087     RH=0300C0                                                                        |     |
             D4E5E2C1  D7D7D340  E2C5D5C4  D9C5E2D7  40404040  40404040  40404040  40404040  MVSAPPL SENDRESP                |     |
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040                                  |     |
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040                                  |     |
             40404040  40404040  404C404C  40404040  40404040  40404040  40404040  40404040                                  |     |
             40404040                                                                                                        |_____|
                                                                                                                                 V
  *-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
  V
DOMN 1
 _____
|     |
|     |
|     |                **NOTE:*******************************************************************
|     |                * DOMAIN 1 RECEIVES IT.                                                  *
|     |                **************************************************************************
|     |
|     |
|     |  USRFD FEF ASCB 00FE2330  JOBN APPL
|     |           BUFF    MVSAPPL /SNA4APPL    LRC(000,000)    INBOUND
|     |           VTAM       TH=1C004005 A0070007 0087  RH= 0300C0
|     |                                    D4E5E2C1 D7D7D340 E2C5D5C4 D9C5E2D7 40404040  *MVSAPPL SENDRESP    *
|     |                                    40404040 40404040 40404040 40404040 40404040  *                   *
```

```
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040                    *                   *
```

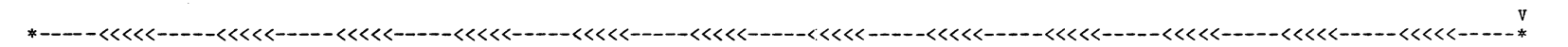


```
                                                                                                        DOMN 2
```

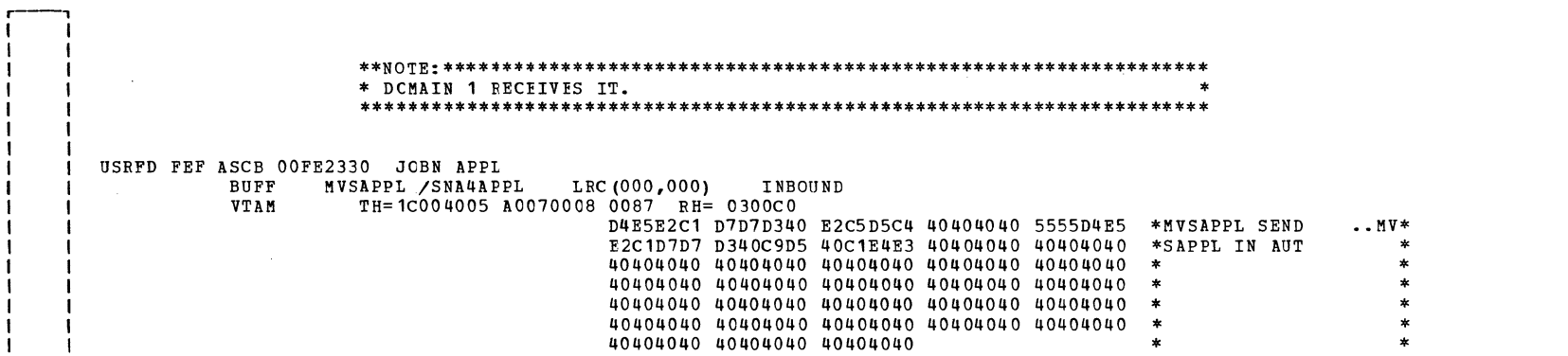


```
                        **NOTE:*************************************************************
                        * DOMAIN 1 SENDS ANOTHER BLOCK.                                     *
                        *************************************************************

      BUF     MVSAPPL /SNA4APPL   79.241/01:05:26.44              OUTBOUND
       USER   D4E5E2C1  D7D7D340  E2C5D5C4  40404040  5555D4E5  E2C1D7D7  D340C9D5  40C1E4E3  MVSAPPL SEND    ..MVSAPPL IN AUT
              40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
              40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
              40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
              40404040
      BUF     MVSAPPL /SNA4APPL   79.241/01:05:26.45              OUTBOUND
       VTAM      TH=1C004005A0070008 0087    RH=0300C0
              D4E5E2C1  D7D7D340  E2C5D5C4  40404040  5555D4E5  E2C1D7D7  D340C9D5  40C1E4E3  MVSAPPL SEND    ..MVSAPPL IN AUT
              40404040  40404040  4040404C  40404040  40404040  40404040  40404040  40404040
              40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
              40404040  40404040  4040404C  40404040  40404040  40404040  40404040  40404040
              40404040
```

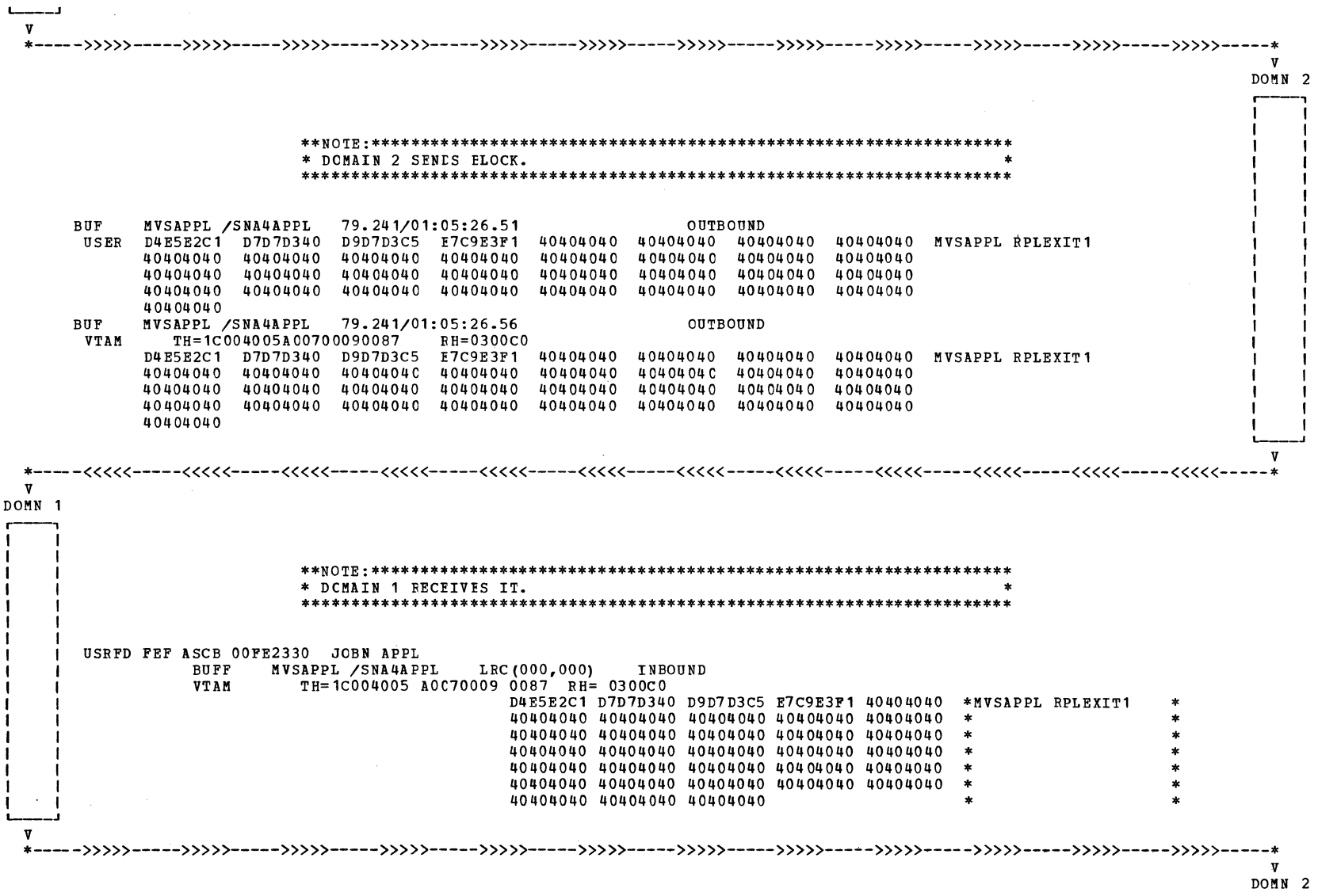


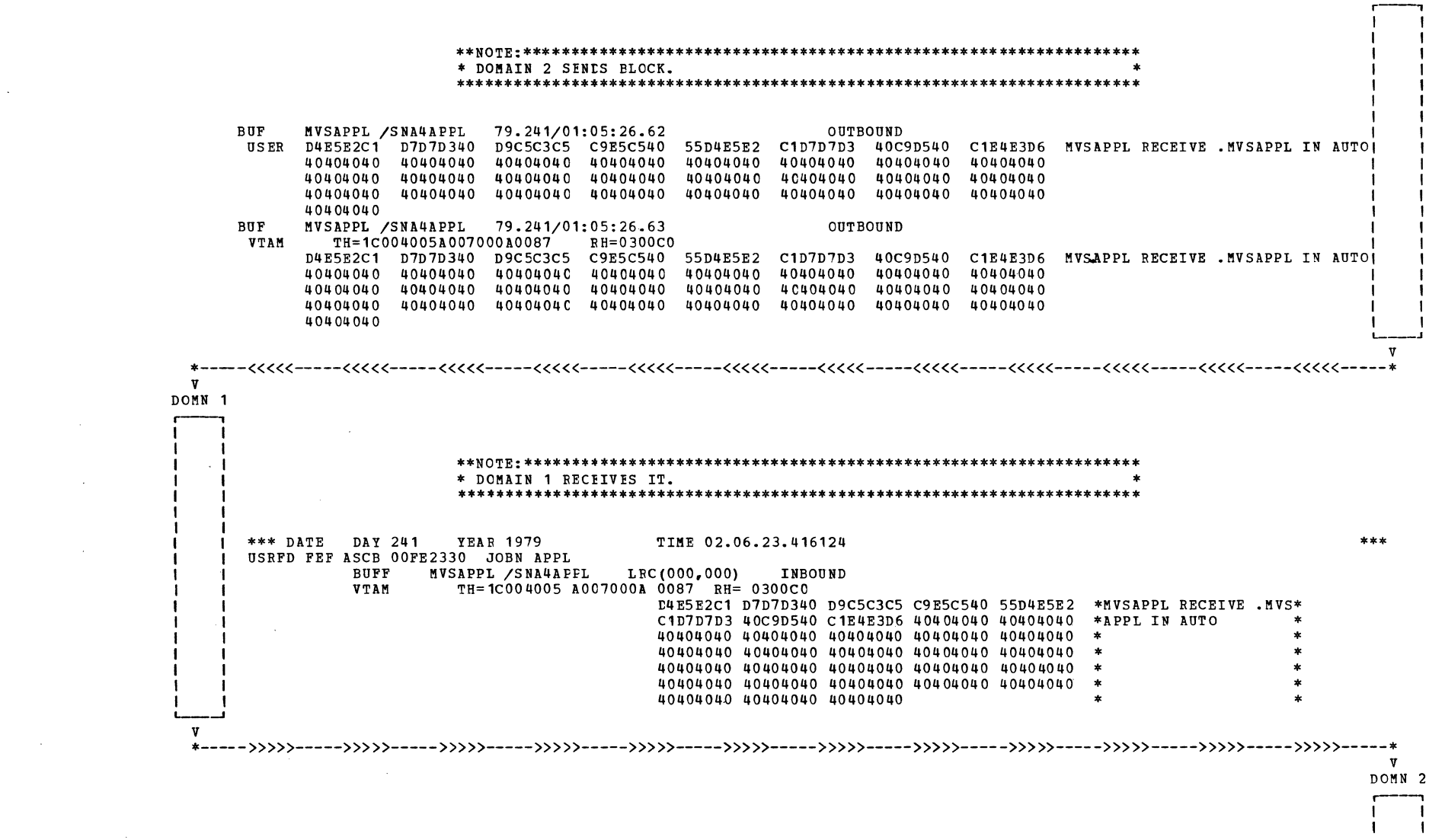
```
DOMN 1
```



```
                        **NOTE:*************************************************************
                        * DCMAIN 1 RECEIVES IT.                                             *
                        *************************************************************


       USRFD FEF ASCB 00FE2330  JOBN APPL
                  BUFF     MVSAPPL /SNA4APPL    LRC(000,000)     INBOUND
                  VTAM        TH=1C004005 A0070008 0087  RH= 0300C0
                                                 D4E5E2C1 D7D7D340 E2C5D5C4 40404040 5555D4E5  *MVSAPPL SEND    ..MV*
                                                 E2C1D7D7 D340C9D5 40C1E4E3 40404040 40404040  *SAPPL IN AUT        *
                                                 40404040 40404040 40404040 40404040 40404040  *                   *
                                                 40404040 40404040 40404040 40404040 40404040  *                   *
                                                 40404040 40404040 40404040 40404040 40404040  *                   *
                                                 40404040 40404040 40404040 40404040 40404040  *                   *
                                                 40404040 40404040 40404040                    *                   *
```


DOMN 2
NOTE:********
* DOMAIN 2 SENDS BLOCK. *
****
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.51 OUTBOUND
USER D4E5E2C1 D7D7D340 D9D7D3C5 E7C9E3F1 40404040 40404040 40404040 40404040 MVSAPPL RPLEXIT1
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.56 OUTBOUND
VTAM TH=1C004005A00700090087 RH=0300C0
D4E5E2C1 D7D7D340 D9D7D3C5 E7C9E3F1 40404040 40404040 40404040 40404040 MVSAPPL RPLEXIT1
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040
DOMN 1
NOTE:********
* DOMAIN 1 RECEIVES IT. *
****
USRFD FEF ASCB 00FE2330 JOBN APPL
BUFF MVSAPPL /SNA4APPL LRC(000,000) INBOUND
VTAM TH=1C004005 A0C70009 0087 RH= 0300C0
D4E5E2C1 D7D7D340 D9D7D3C5 E7C9E3F1 40404040 *MVSAPPL RPLEXIT1 *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 * *
DOMN 2


NOTE:********
* DOMAIN 2 SENDS BLOCK. *
****
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.62 OUTBOUND
USER D4E5E2C1 D7D7D340 D9C5C3C5 C9E5C540 55D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 MVSAPPL RECEIVE .MVSAPPL IN AUTO
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040
BUF MVSAPPL /SNA4APPL 79.241/01:05:26.63 OUTBOUND
VTAM TH=1C004005A007000A0087 RH=0300C0
D4E5E2C1 D7D7D340 D9C5C3C5 C9E5C540 55D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 MVSAPPL RECEIVE .MVSAPPL IN AUTO
40404040 40404040 4040404C 40404040 40404040 40404040 40404040 40404040
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040 40404040 4040404C 40404040 40404040 40404040 40404040 40404040
40404040
DOMN 1
NOTE:********
* DOMAIN 1 RECEIVES IT. *
****
*** DATE DAY 241 YEAR 1979 TIME 02.06.23.416124 ***
USRFD FEF ASCB 00FE2330 JOBN APPL
BUFF MVSAPPL /SNA4APPL LRC(000,000) INBOUND
VTAM TH=1C004005 A007000A 0087 RH= 0300C0
D4E5E2C1 D7D7D340 D9C5C3C5 C9E5C540 55D4E5E2 *MVSAPPL RECEIVE .MVS*
C1D7D7D3 40C9D540 C1E4E3D6 40404040 40404040 *APPL IN AUTO *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 40404040 40404040 * *
40404040 40404040 40404040 * *
DOMN 2

```
                        **NOTE:*************************************************************
                        * DOMAIN 2 SENDS BLOCK.                                             *
                        *********************************************************************

     BUF    MVSAPPL /SNA4APPL   79.241/01:05:26.67              OUTBOUND
      USER  D4E5E2C1  D7D7D340  D9D6C3D2  C4C4D940  40404040  40404040  40404040  40404040  MVSAPPL ROCKDDR
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040
     BUF    MVSAPPL /SNA4APPL   79.241/01:05:26.68              OUTBOUND
      VTAM     TH=1C004005A007000B0087    RH=0300C0
            D4E5E2C1  D7D7D340  D9D6C3D2  C4C4D940  40404040  40404040  40404040  40404040  MVSAPPL ROCKDDR
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040
```

V

-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----

V

DOMN 1

```
                        **NOTE:*************************************************************
                        * DOMAIN 1 RECEIVES IT.                                             *
                        *********************************************************************

     USRFD FEF ASCB 00FE2330  JCBN APPL
                BUFF    MVSAPPL /SNA4APPL    LRC(000,000)    INBOUND
                VTAM       TH=1C004005 A007000B 0087  RH= 0300C0
                                        D4E5E2C1 D7D7D340 D9D6C3D2 C4C4D940 40404040  *MVSAPPL ROCKDDR     *
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040 40404040 40404040  *                   *
                                        40404040 40404040 40404040                    *                   *
```

V

----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----

V

DOMN 2

```
                        **NOTE:*************************************************************
                        * DOMAIN 2 SENDS BLOCK.                                             *
                        *********************************************************************
```

```
      BUF    MVSAPPL /SNA4APPL   79.241/01:05:26.74                OUTBOUND
       USER  D4E5E2C1  D7D7D340  E2C5D5C4  D9C5E2D7  40404040  40404040  40404040  40404040  MVSAPPL SENDRESP
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
             40404040
      BUF    MVSAPPL /SNA4APPL   79.241/01:05:26.75                OUTBOUND
       VTAM      TH=1C004005A007000C0087     RH=0300C0
             D4E5E2C1  D7D7D340  E2C5D5C4  D9C5E2D7  40404040  40404040  40404040  40404040  MVSAPPL SENDRESP
             40404040  40404040  4040404C  40404040  40404040  40404040  40404040  40404040
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
             40404040
```

```
DOMN 1

                    **NOTE:*************************************************************
                    * DOMAIN 1 RECEIVES IT.                                             *
                    *********************************************************************

 *** DATE   DAY 241    YEAR 1979            TIME 02.06.23.988920                                          ***
 USRFD FEF ASCB 00FE2330  JOBN APPL
           BUFF     MVSAPPL /SNA4APPL    LRC(000,000)     INBOUND
           VTAM       TH=1C004005 A0C7000C 0087  RH= 0300C0
                                          D4E5E2C1 D7D7D340 E2C5D5C4 D9C5E2D7 40404040  *MVSAPPL SENDRESP    *
                                          40404040 40404040 40404040 40404040 40404040  *                     *
                                          40404040 40404040 40404040 40404040 40404040  *                     *
                                          40404040 40404040 40404040 40404040 40404040  *                     *
                                          40404040 40404040 40404040 40404040 40404040  *                     *
                                          40404040 40404040 40404040 40404040 40404040  *                     *
                                          40404040 40404040 40404040                    *                     *
```

```
                    **NOTE:*************************************************************
                    * DOMAIN 2 SENDS BLOCK.                                             *
                    *********************************************************************

      BUF    MVSAPPL /SNA4APPL   79.241/01:05:26.80                OUTBOUND
       USER  D4E5E2C1  D7D7D340  E2C5D5C4  40404040  5555D4E5  E2C1D7D7  D340C9D5  40C1E4E3  MVSAPPL SEND    ..MVSAPPL IN AUT
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
             40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
```

```
DOMN 2
```

```
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040
      BUF   MVSAPPL /SNA4APPL   79.241/01:05:26.80                OUTBOUND
       VTAM     TH=1C004005A007000D0087    RH=0300C0
            D4E5E2C1  D7D7D340  E2C5D5C4  40404040  5555D4E5  E2C1D7D7  D340C9D5  40C1E4E3  MVSAPPL SEND    ..MVSAPPL IN AUT
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040
```

V

-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----

V

DOMN 1

```
                        **NOTE:*************************************************************
                        * DOMAIN 1 RECEIVES IT.                                             *
                        *********************************************************************

  USRFD FEF ASCB 00FE2330  JOBN APPL
              BUFF     MVSAPPL /SNA4APPL    LRC(000,000)     INBOUND
              VTAM       TH=1C004005 A007000D 0087  RH= 0300C0
                                        D4E5E2C1 D7D7D340 E2C5D5C4 40404040 5555D4E5  *MVSAPPL SEND    ..MV*
                                        E2C1D7D7 D340C9D5 40C1E4E3 40404040 40404040  *SAPPL IN AUT        *
                                        40404040 40404040 40404040 40404040 40404040  *                    *
                                        40404040 40404040 40404040 40404040 40404040  *                    *
                                        40404040 40404040 40404040 40404040 40404040  *                    *
                                        40404040 40404040 40404040 40404040 40404040  *                    *
                                        40404040 40404040 40404040                    *                    *
```

V

----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----

V

DOMN 2

```
                        **NOTE:*************************************************************
                        * DOMAIN 2 SENDS ELOCK.                                             *
                        *********************************************************************

      BUF   MVSAPPL /SNA4APPL   79.241/01:05:26.85                OUTBOUND
       USER D4E5E2C1  D7D7D340  D9D7D3C5  E7C9E3F1  40404040  40404040  40404040  40404040  MVSAPPL RPLEXIT1
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
            40404040
      BUF   MVSAPPL /SNA4APPL   79.241/C1:05:26.86                OUTBOUND
       VTAM     TH=1C004005A007000E0087    RH=0300C0
            D4E5E2C1  D7D7D340  D9D7D3C5  E7C9E3F1  40404040  40404040  40404040  40404040  MVSAPPL RPLEXIT1
```

```
                40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
                40404040  40404040  4040404C  40404040  40404040  40404040  40404040  40404040
                40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
                40404040
```

DOMN 1

```
                        **NOTE:*************************************************************
                        * DCMAIN 1 RECEIVES IT.                                             *
                        *********************************************************************

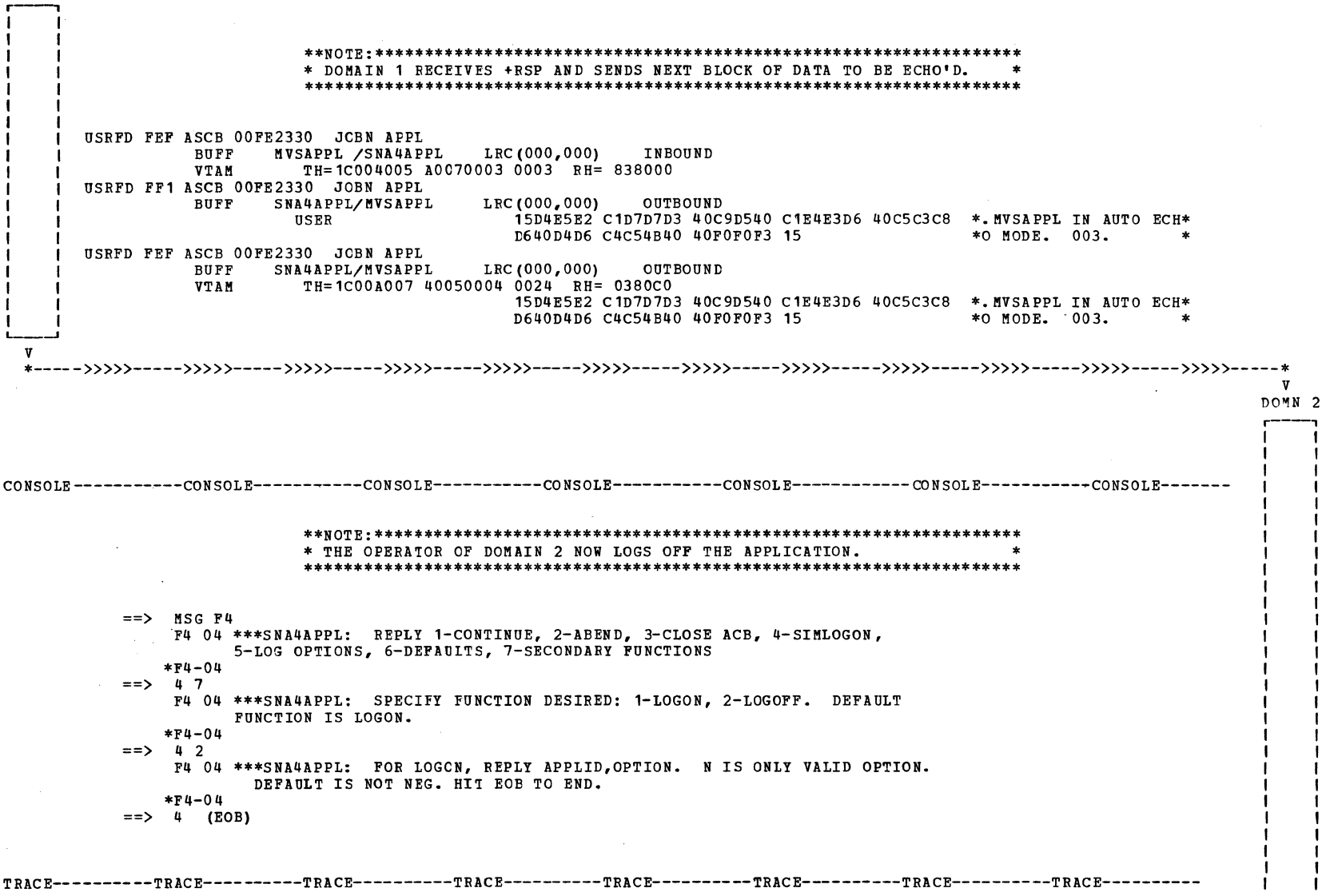

   USRFD FEF ASCB 00FE2330  JOBN APPL
                BUFF     MVSAPPL /SNA4APPL    LRC(000,000)     INBOUND
                VTAM        TH=1C004005 A0C7000E 0087  RH= 0300C0
                                              D4E5E2C1 D7D7D340 D9D7D3C5 E7C9E3F1 40404040  *MVSAPPL RPLEXIT1    *
                                              40404040 40404040 40404040 40404040 40404040  *                     *
                                              40404040 40404040 40404040 40404040 40404040  *                     *
                                              40404040 40404040 40404040 40404040 40404040  *                     *
                                              40404040 40404040 40404040 40404040 40404040  *                     *
                                              40404040 40404040 40404040 40404040 40404040  *                     *
                                              40404040 40404040 40404040                    *                     *
```

DOMN 2

```
                        **NOTE:*************************************************************
                        * DOMAIN 2 NOW RECEIVES BLOCK OF DATA SENT FROM DOMAIN 1 AND SENDS +RSP*
                        *********************************************************************


      BUF     SNA4APPL/MVSAPPL     79.241/01:05:26.94                INBOUND
       VTAM       TH=1C00A007400500030024     RH=0380C0
                 15D4E5E2  C1D7D7D3  40C9D540  C1E4E3D6  40C5C3C8  D640D4D6  C4C54B40  40F0F0F2  .MVSAPPL IN AUTO ECHO MODE.  002
                 15                                                                          .
      BUF     SNA4APPL/MVSAPPL     79.241/01:05:26.95                INBOUND
       USER   15D4E5E2  C1D7D7D3  40C9D540  C1E4E3D6  40C5C3C8  D640D4D6  C4C54B40  40F0F0F2  .MVSAPPL IN AUTO ECHO MODE.  002
                 15                                                                          .
      BUF     MVSAPPL /SNA4APPL    79.241/01:05:27.03                OUTBOUND
       VTAM       TH=1C004005A00700030003     RH=838000
```

DOMN 1


NOTE:********
* DOMAIN 1 RECEIVES +RSP AND SENDS NEXT BLOCK OF DATA TO BE ECHO'D. *
****
USRFD FEF ASCB 00FE2330 JOBN APPL
BUFF MVSAPPL /SNA4APPL LRC(000,000) INBOUND
VTAM TH=1C004005 A0070003 0003 RH= 838000
USRFD FF1 ASCB 00FE2330 JOBN APPL
BUFF SNA4APPL/MVSAPPL LRC(000,000) OUTBOUND
USER 15D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 40C5C3C8 *.MVSAPPL IN AUTO ECH*
D640D4D6 C4C54B40 40F0F0F3 15 *O MODE. 003. *
USRFD FEF ASCB 00FE2330 JOBN APPL
BUFF SNA4APPL/MVSAPPL LRC(000,000) OUTBOUND
VTAM TH=1C00A007 40050004 0024 RH= 0380C0
15D4E5E2 C1D7D7D3 40C9D540 C1E4E3D6 40C5C3C8 *.MVSAPPL IN AUTO ECH*
D640D4D6 C4C54B40 40F0F0F3 15 *O MODE. 003. *
DOMN 2
CONSOLE CONSOLE CONSOLE CONSOLE CONSOLE CONSOLE CONSOLE CONSOLE
NOTE:********
* THE OPERATOR OF DOMAIN 2 NOW LOGS OFF THE APPLICATION. *
****
==> MSG F4
F4 04 ***SNA4APPL: REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON,
5-LOG OPTIONS, 6-DEFAULTS, 7-SECONDARY FUNCTIONS
*F4-04
==> 4 7
F4 04 ***SNA4APPL: SPECIFY FUNCTION DESIRED: 1-LOGON, 2-LOGOFF. DEFAULT
FUNCTION IS LOGON.
*F4-04
==> 4 2
F4 04 ***SNA4APPL: FOR LOGCN, REPLY APPLID,OPTION. N IS ONLY VALID OPTION.
DEFAULT IS NOT NEG. HIT EOB TO END.
*F4-04
==> 4 (EOB)
TRACE TRACE TRACE TRACE TRACE TRACE TRACE TRACE

```
                        **NOTE:*************************************************************
                        * THE LCGCFF RESULTS IN A 'CDTERM' FROM DOMAIN 2.                  *
                        *********************************************************************

BUF     MVSHOST /VTAM       79.241/01:06:17.44              OUTBOUND
 VTAM      TH=1C004001A0010010002A    RH=0B8100
          81864300  21A001EE  38581A0E  30C00000  06F308E2  D5C1F4C1  D7D7D3F3  08D4E5E2  AF.............3.SNA4APPL3.MVS
          C1D7D7D3  400000                                                               APPL ..
IO              /EHOST      79.241/01:06:17.46              OUTBOUND
             TH=1C004001A0010010002A    RH=0B8100   RU=8186430021A001

                        **NOTE:*************************************************************
                        * IMMEDIATELY AFTER THE CDTERM SNA4APPL SENDS AN INTERNAL UNBIND WHICH *
                        * DOES NOT GO ACROSS NETWORK-IT IS FOR CLEANING UP CONTROL BLOCKS.     *
                        *********************************************************************

BUF     MVSAPPL /SNA4APPL   79.241/01:06:17.60              OUTBOUND
 VTAM      TH=1D004005A00700010005    RH=6B8000
          3201                                                                  ..
BUF     SNA4APPL/MVSAPPL    79.241/01:06:17.60              INBOUND
 VTAM      TH=1D00A007400500010004    RH=EB8000
          32                                                                    .
```

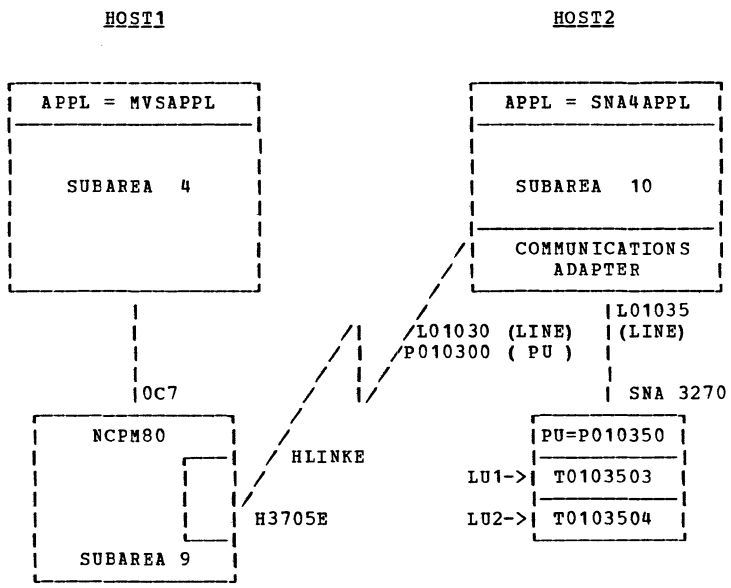
```
DOMN 1

                        **NOTE:*************************************************************
                        * DOMAIN 1 RECEIVES 'CDTERM' AND SENDS +RSP AND THE INTERNAL UNBIND.   *
                        *********************************************************************

 USRFD FEF ASCB 00FF9638  JCBN VTAMG
             BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
             VTAM       TH=1C004001 A0010010 002A  RH= 0B8100
                                     81864300 21A001EE 38581A0E 30C00000 06F308E2  *AF.............3.S*
                                     D5C1F4C1 D7D7D3F3 08D4E5E2 C1D7D7D3 400000    *NA4APPL3.MVSAPPL .. *
 USRFD FEF ASCB 00FF9638  JOBN VTAMG
             BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
             VTAM       TH=1D00A001 40010000 0003  RH= 838100
 USRFD FEF ASCB 00FF9638  JOBN VTAMG
             BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
             VTAM       TH=1C00A001 40010010 000A  RH= 8B8000
                                     81864300 004005                            *AF... .            *
 USRFD FEF ASCB 00FE2330  JOBN APPL
             BUFF    SNA4APPL/MVSAPPL     LRC(000,000)    OUTBOUND
             VTAM       TH=1D00A007 40C50003 0005  RH= 6B8000
                                     3201                                       *..                 *
```

```
|    |  USRFD FEF ASCB 00FE2330   JOBN APPL
|    |            BUFF    MVSAPPL /SNA4APPL    LRC(000,000)    INBOUND
|    |            VTAM       TH=1D004005 A0070003 0004  RH= EB8000
|    |                                  32                                   *.                    *
|    |  *** DATE   DAY 241    YEAR 1979            TIME 02.07.13.695883                                        ***
|____|
```

CROSS DOMAIN TERMINAL TO APPLICATION SESSION

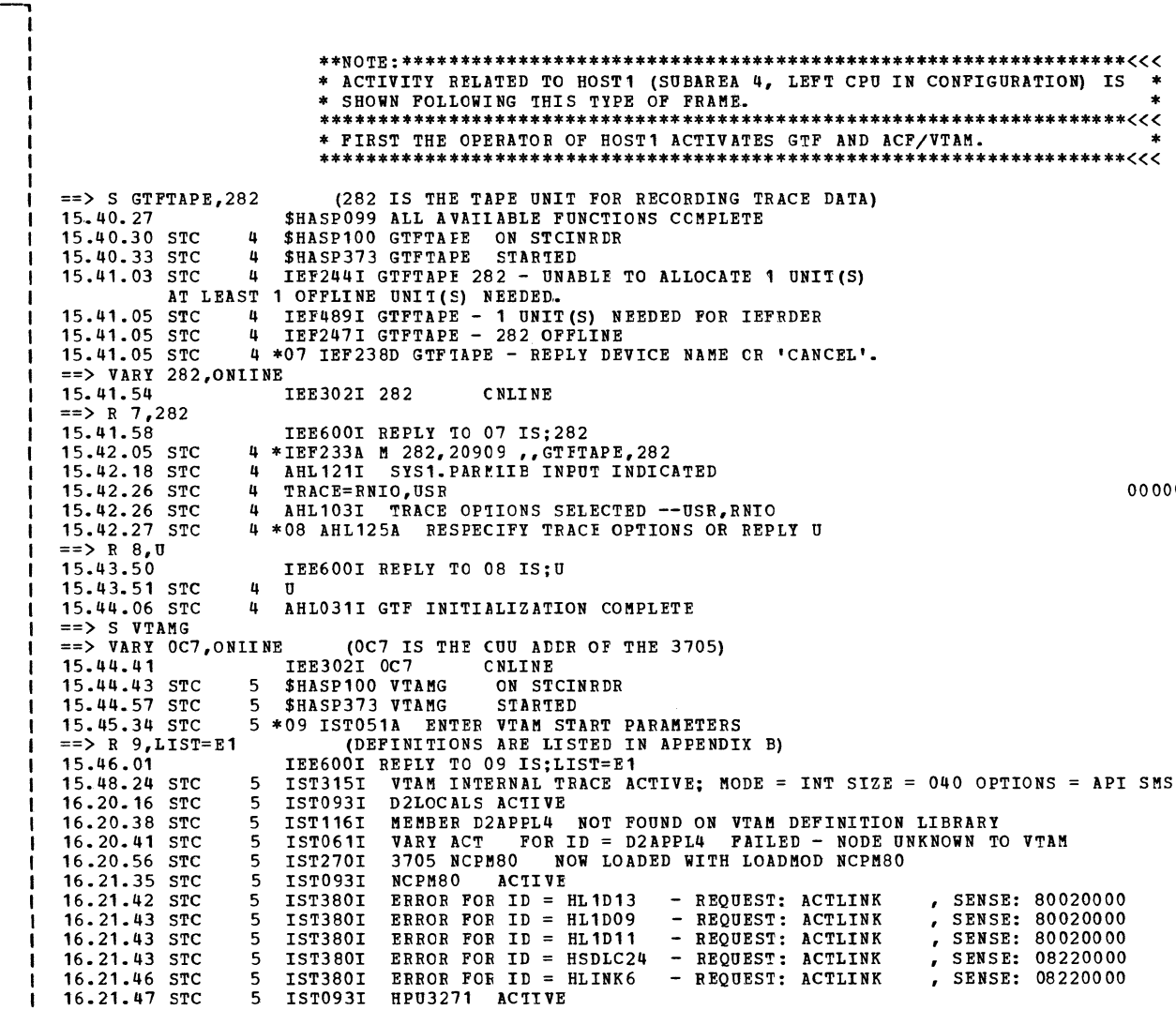


CROSS DOMAIN CONFIGURATION (SDLC)

```
*************************************************************************
*                    SNA 3270 CROSS DOMAIN SESSION                      *
* THIS IS A NORMAL FLOW BUFFER AND RNIO TRACE OF A TWO DOMAIN NETWORK   *
* INCLUDING:                                                            *
* 1) ACTIVATION OF THE CROSS DOMAIN LINK                                *
* 2) ACTIVATION OF THE PU TYPE 4                                        *
* 3) ACTIVATION OF THE CDRM'S                                           *
* 4) UNFORMATTED LOGON FROM 3278 CROSS DOMAIN TO MVSAPPL                *
* 5) DATA TRAFFIC BETWEEN THE CROSS DOMAIN RESOURCES                    *
* 6) LOGOFF                                                             *
* 7) DEACTIVATION OF CROSS DOMAIN RESOURCE MANAGERS                     *
*                ************************************                   *
*                                                                       *
*   NOTE: THE COMMANDS AND RESPONSES SEEN IN THIS TRACE ARE IDENTICAL   *
*         TO THOSE THAT WOULD APPEAR IN A BSC 3270 CROSS DOMAIN TRACE   *
*         EXCEPT THAT THE ATTENTION KEY IS NOT SUPPORTED FOR BSC DE-    *
*         VICES. THEREFORE, THE APPLICATION WOULD EXPECT A '6C' OR A    *
*         '6D' WHICH ARE THE PA1 KEY OR THE CLEAR KEY RESPECTIVELY,     *
*         SO INSTEAD OF THE SIGNAL COMMAND SEEN IN THIS TRACE, ONE      *
*         WOULD SEE THE '6C' OR '6D'.                                   *
*                                                                       *
* TRACES AND SYSTEM CONSOLE OUTPUT OF BOTH DOMAINS ARE SHOWN ORDERED    *
* BY TIME STAMPS. ONLY MESSAGES, COMMANDS, AND TRACE ENTRIES THAT ARE   *
* PERTINENT TO THIS DOCUMENT ARE INCLUDED.                              *
*                ************************************                   *
* REFER TO THE PREVIOUS PAGE FOR THE CONFIGURATION USED IN THIS TEST    *
*                                                                       *
*                ************************************                   *
* FOR ANY LIST OR NODE NAMES REFER TO APPENDIX B.                       *
*                                                                       *
*  ==> IS AN INDICATOR INSERTED BY THE WRITER TO SHOW OPERATOR ACTION   *
*************************************************************************
```

```
**NOTE:*****************************************************************
* THE PURPOSE OF THE ARROWS IS TO SHOW WHICH DOMAIN THE COMMENTS AND    *
* TRACE/CONSOLE ENTRIES FOLLOWING THE ARROWS PERTAIN TO. IN ADDITION,   *
* THE BOXES ON THE LEFT AND RIGHT SIDES OF THE PAGES INDICATE IN WHICH  *
* HOST THE CURRENT TRACE OR CONSOLE IS TAKEN FROM. ALL REFERENCES TO    *
* HOST1, MVSHOST, OR DOMN 1 REFER TO SUBAREA 4 IN CONFIGURATION. ALL    *
* REFERENCES TO HOST2, EHOST, OR DOMN 2 REFER TO SUBAREA 10 IN CONFIG-  *
* URATION.                                                              *
*                                                                       *
**  GO TO PAGE 137 FOR A CALCULATION OF TIME FROM THE GTF TIME STAMP   **
*************************************************************************
```

```
DOMN 1
```



```
                        **NOTE:*************************************************************<<<
                        * ACTIVITY RELATED TO HOST1 (SUBAREA 4, LEFT CPU IN CONFIGURATION) IS  *
                        * SHOWN FOLLOWING THIS TYPE OF FRAME.                                 *
                        *************************************************************<<<
                        * FIRST THE OPERATOR OF HOST1 ACTIVATES GTF AND ACF/VTAM.             *
                        *************************************************************<<<

  ==> S GTFTAPE,282       (282 IS THE TAPE UNIT FOR RECORDING TRACE DATA)
  15.40.27           $HASP099 ALL AVAILABLE FUNCTIONS COMPLETE
  15.40.30 STC    4  $HASP100 GTFTAPE  ON STCINRDR
  15.40.33 STC    4  $HASP373 GTFTAPE  STARTED
  15.41.03 STC    4  IEF244I GTFTAPE 282 - UNABLE TO ALLOCATE 1 UNIT(S)
           AT LEAST 1 OFFLINE UNIT(S) NEEDED.
  15.41.05 STC    4  IEF489I GTFTAPE - 1 UNIT(S) NEEDED FOR IEFRDER
  15.41.05 STC    4  IEF247I GTFTAPE - 282 OFFLINE
  15.41.05 STC    4 *07 IEF238D GTFTAPE - REPLY DEVICE NAME OR 'CANCEL'.
  ==> VARY 282,ONLINE
  15.41.54           IEE302I 282      CNLINE
  ==> R 7,282
  15.41.58           IEE600I REPLY TO 07 IS;282
  15.42.05 STC    4 *IEF233A M 282,20909 ,,GTFTAPE,282
  15.42.18 STC    4  AHL121I  SYS1.PARMLIB INPUT INDICATED
  15.42.26 STC    4  TRACE=RNIO,USR                                                    00000100
  15.42.26 STC    4  AHL103I  TRACE OPTIONS SELECTED --USR,RNIO
  15.42.27 STC    4 *08 AHL125A  RESPECIFY TRACE OPTIONS OR REPLY U
  ==> R 8,U
  15.43.50           IEE600I REPLY TO 08 IS;U
  15.43.51 STC    4  U
  15.44.06 STC    4  AHL031I GTF INITIALIZATION COMPLETE
  ==> S VTAMG
  ==> VARY 0C7,ONLINE     (0C7 IS THE CUU ADDR OF THE 3705)
  15.44.41           IEE302I 0C7      CNLINE
  15.44.43 STC    5  $HASP100 VTAMG    ON STCINRDR
  15.44.57 STC    5  $HASP373 VTAMG    STARTED
  15.45.34 STC    5 *09 IST051A  ENTER VTAM START PARAMETERS
  ==> R 9,LIST=E1         (DEFINITIONS ARE LISTED IN APPENDIX B)
  15.46.01           IEE600I REPLY TO 09 IS;LIST=E1
  15.48.24 STC    5  IST315I  VTAM INTERNAL TRACE ACTIVE; MODE = INT SIZE = 040 OPTIONS = API SMS PSS LOCK PIU MSG SSCP
  16.20.16 STC    5  IST093I  D2LOCALS ACTIVE
  16.20.38 STC    5  IST116I  MEMBER D2APPL4  NOT FOUND ON VTAM DEFINITION LIBRARY
  16.20.41 STC    5  IST061I  VARY ACT   FOR ID = D2APPL4  FAILED - NODE UNKNOWN TO VTAM
  16.20.56 STC    5  IST270I  3705 NCPM80   NOW LOADED WITH LOADMOD NCPM80
  16.21.35 STC    5  IST093I  NCPM80   ACTIVE
  16.21.42 STC    5  IST380I  ERROR FOR ID = HL1D13   - REQUEST: ACTLINK    , SENSE: 80020000
  16.21.43 STC    5  IST380I  ERROR FOR ID = HL1D09   - REQUEST: ACTLINK    , SENSE: 80020000
  16.21.43 STC    5  IST380I  ERROR FOR ID = HL1D11   - REQUEST: ACTLINK    , SENSE: 80020000
  16.21.43 STC    5  IST380I  ERROR FOR ID = HSDLC24  - REQUEST: ACTLINK    , SENSE: 08220000
  16.21.46 STC    5  IST380I  ERROR FOR ID = HLINK6   - REQUEST: ACTLINK    , SENSE: 08220000
  16.21.47 STC    5  IST093I  HPU3271  ACTIVE
  16.21.47 STC    5  IST093I  HPU3275A ACTIVE
```

```
|     |  16.25.58 STC    5  IST093I  EMVSPATH ACTIVE
|     |  16.26.38 STC    5  IST093I  EMVSRSC  ACTIVE
|     |  16.27.05 STC    5  IST093I  EMVSRM   ACTIVE
|     |  16.27.05 STC    5  IST093I  MVSHOST  ACTIVE
|     |  16.27.06 STC    5  IST020I  VTAM INITIALIZATION COMPLETE
|     |
|     |                        **NOTE:*************************************************************
|     |                        * NCPM80 IS ACTIVATED DURING VTAM INITIALIZATION BUT WAS DEACTIVATED  *
|     |                        * IN ORDER TO TRACE THE ACTIVATION.                                   *
|     |                        ************************************************************************
|     |
|     |  ==> V NET,INACT,F,ID=EMVSRM
|     |  16.27.54 STC    5  IST097I  VARY     ACCEPTED
|     |  ==> V NET,INACT,F,ID=EMVSRSC
|     |  16.27.58 STC    5  IST617I  DEACTIVATE IN PROGRESS FOR MVSHOST
|     |  16.27.59 STC    5  IST105I  MVSHOST  NODE NOW INACTIVE
|     |  16.28.09 STC    5  IST105I  EMVSRM   NODE NOW INACTIVE
|     |  16.28.19 STC    5  IST097I  VARY     ACCEPTED
|     |  ==> V NET,INACT,F,ID=EMVSPATH
|     |  16.28.36 STC    5  IST105I  EMVSRSC  NODE NOW INACTIVE
|     |  ==> V NET,INACT,F,ID=NCPM80
|     |  16.28.59 STC    5  IST097I  VARY     ACCEPTED
|     |  16.29.07 STC    5  IST097I  VARY     ACCEPTED
|     |  16.29.08 STC    5  IST061I  FORCE DEAC FOR ID = EMVSPATH FAILED - NODE UNKNOWN TO VTAM
|     |  16.29.15 STC    5  IST619I  ID = NCPM80   FAILED - RECOVERY IN PROGRESS
|     |  16.29.27 STC    5  IST129I  UNRECOVERABLE OR FORCED ERROR ON NODE NCPM80   -VARY INACT SCHED
|     |  16.29.30 STC    5  IST105I  H3705E   NODE NOW INACTIVE
|     |  16.29.30 STC    5  IST105I  HPU3271  NODE NOW INACTIVE
|     |  16.29.30 STC    5  IST105I  HPU3275A NODE NOW INACTIVE
|     |  16.29.30 STC    5  IST105I  HPU3767A NODE NOW INACTIVE
|     |  16.29.31 STC    5  IST105I  HPU3767B NODE NOW INACTIVE
|     |  16.29.31 STC    5  IST105I  HPU3774A NODE NOW INACTIVE
|     |  16.29.40 STC    5  IST196I  PATH DEFINITION NOW INACTIVE: ADJSUB = 009 DESTSUB = 010
|     |  16.29.41 STC    5  IST105I  NCPM80   NODE NOW INACTIVE
|     |  ==> F VTAMG,TRACE,TYPE=IO,ID=VTAM
|     |  16.31.42 STC    5  IST097I  MODIFY   ACCEPTED
|     |  16.31.46 STC    5  IST513I  TRACE INITIATED FOR NODE VTAM
|     |  ==> F VTAMG,TRACE,TYPE=BUF,ID=VTAM
|     |  16.32.05 STC    5  IST097I  MODIFY   ACCEPTED
|     |  16.32.07 STC    5  IST513I  TRACE INITIATED FOR NODE VTAM
|     |  ==> V NET,ACT,ID=EMVSAPPL
|     |  16.39.37 STC    5  IST097I  VARY     ACCEPTED
|     |  16.40.13 STC    5  IST093I  EMVSAPPL ACTIVE
|     |  ==> F VTAMG,TRACE,TYPE=IO,ID=MVSAPPL
|     |  16.40.37 STC    5  IST097I  MODIFY   ACCEPTED
|     |  16.40.40 STC    5  IST513I  TRACE INITIATED FOR NODE MVSAPPL
|     |  ==> F VTAMG,TRACE,TYPE=BUF,ID=MVSAPPL
|     |  16.41.42 STC    5  IST097I  MODIFY   ACCEPTED
|     |  16.41.42 STC    5  IST513I  TRACE INITIATED FOR NODE MVSAPPL
|     |  ==> V NET,ACT,ID=NCPM80
|     |  16.42.55 STC    5  IST097I  VARY     ACCEPTED
|     |  16.43.03 STC    5  IST197I  SAVED CONFIGURATION NCPM80   READ FROM VTAMOBJ
|     |  ==> V NET,ACT,ID=NCPM80,SCOPE=ALL
|     |  16.43.23 STC    5  IST097I  VARY     ACCEPTED
```

```
16.43.45 STC    5  IST493I  VARY ACT   FOR ID = NCPM80   OVERRIDDEN BY VARY ACT

                     **NOTE:*************************************************************
                     * NOW WE SEE THE FIRST TRACE ACTIVITY AS A RESULT OF THE 'ACT NCPM80'  *
                     * FIRST COMMAND IS 'ACTPU'                                            *
                     **********************************************************************

USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    NCPM80  /VTAM        LRC(000,000)    OUTBOUND
           VTAM       TH=1D009000 40010001 000C  RH= 6B8000
                                       11025505 00000000 04                        *.........          *
           TIME    60246.129601
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1D009000 40010001 000C6B80 00110255 05000000
           TIME    60246.251109

                     **NOTE:*************************************************************
                     * NCP SENDS ANSC - 'AUTO NETWORK SHUTDOWN COMPLETE'                   *
                     **********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 90000000 00052B00 000703
           TIME    60247.434888
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1D004001 90000000 0005  RH= 2B0000
                                       0703                                        *..                 *
           TIME    60247.457151

                     **NOTE:*************************************************************
                     * ...FOLLOWED BY INIT. COMPLETE...                                    *
                     **********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 90000000 000A2B00 00500900 44056712
           TIME    60247.472319
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1D004001 90000000 000A  RH= 2B0000
                                       50090044 056712                             *ε......           *
           TIME    60247.475472

                     **NOTE:*************************************************************
                     * ...FOLLOWED BY +RSP TO ACTPU                                        *
                     **********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 90000001 000DEB80 001102D5 C3D7D4F8
           TIME    60247.488079
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1D004001 90000001 000D  RH= EB8000
                                       1102D5C3 D7D4F8F0 4040                      *..NCPM80          *
           TIME    60247.529317

                     **NOTE:*************************************************************
                     * NEXT ACF/VTAM SENDS SDT, RECEIVES +RSP                              *
                     **********************************************************************
```

```
| | USRFD FEF ASCB 00FF95E8  JOBN VTAMG
| |            BUFF    NCPM80  /VTAM        LRC(000,000)    OUTBOUND
| |            VTAM       TH=1D009000 40C10002 0004  RH= 6B8000
| |                                    A0                                          *.                  *
| |           TIME    60247.940038
| | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1D009000 40010002 00046B80 00A0
| |           TIME    60247.987410
| | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 90000002 0004EB80 00A0
| |           TIME    60249.248236
| | USRFD FEF ASCB 00FF95E8  JCBN VTAMG
| |            BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
| |            VTAM       TH=1D004001 90000002 0004  RH= EB8000
| |                                    A0                                          *.                  *
| |            TIME    60249.314270
| |
| |                      **NOTE:*************************************************************
| |                      * SET CCNTRCL VECTOR TO NCP - +RSP                                  *
| |                      *********************************************************************
| |
| | USRFD FEF ASCB 00FF95E8  JOBN VIAMG
| |             BUFF    NCPM80  /VTAM        LRC(000,000)    OUTBOUND
| |            VTAM       TH=1C009000 40010001 001D  RH= 0B8000
| |                                    01021190 0001F0F9 61F1F361 F7F94BF2 F5F6F2F1  *.....09/13/79.25621*
| |                                    4BF4F44B F0F9                               *.44.09             *
| |           TIME    60249.942405
| | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C009000 40010001 001D0B80 00010211 900001F0
| |           TIME    60249.947578
| | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 90000001 00068B80 00010211
| |           TIME    60257.859785
| | USRFD FEF ASCB 00FF95E8  JOBN VTAMG
| |            BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
| |            VTAM       TH=1C004001 90000001 0006  RH= 8B8000
| |                                    010211                                      *...                *
| |           TIME    60258.265772
| |
| |                      **NOTE:*************************************************************
| |                      * THIS IS THE 'ACTLINK' COMMAND AND RESPONSE TO THE CROSS DOMAIN LINK. *
| |                      *********************************************************************
| |
| | USRFD FEF ASCB 00FF95E8  JOBN VTAMG
| |            BUFF    NCPM80  /VTAM        LRC(000,000)    OUTBOUND
| |            VTAM       TH=1C009000 40010028 0008  RH= 0B8000
| |                                    01020A90 59                                 *.....              *
| |           TIME    60285.762598
| | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C009000 40010028 00080B80 0001020A 9059    ***   ACTLINK    ***
| |           TIME    60285.765485
| | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 90000028 00068B80 0001020A         *** ACTLINK +RSP ***
| |           TIME    60286.122707
| | USRFD FEF ASCB 00FF95E8  JOBN VTAMG
| |            BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
| |            VTAM       TH=1C004001 90000028 0006  RH= 8B8000
| |                                    01020A                                      *...                *
| |           TIME    60286.126556
| |
```

```
                    **NOTE:*************************************************************
                    * THIS IS THE LAST ACTLINK COMMAND FOR ACTIVATING NCPM80             *
                    *********************************************************************

USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    NCPM80  /VTAM        LRC(000,000)    OUTBOUND
           VTAM       TH=1C009000 4001003E 0008  RH= 0B8000
                                  01020A91 00                                  *...J.               *
          TIME    60299.034630
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C009000 4001003E 00080B80 0001020A 9100     *** ACTLINK ***
          TIME    60299.057671
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000003E 00068B80 0001020A          *** ACTLINK +RSP ***
          TIME    60299.298265
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1C004001 9000003E 0006  RH= 8B8000
                                  01020A                                       *...                 *
          TIME    60299.424310


                    **NCTE:*************************************************************
                    * TO CALCULATE HH/MM/SS FROM THE TIME STAMP OF THE GTF RECORD USE THE *
                    * THE FOLLOWING EXAMPLE:                                             *
                    *                                                                   *
                    *             60299 / 3600 = 16 (HH)                                *
                    *                                REMAINDER = 2699                   *
                    *              2699 /   60 = 44 (MM)                                *
                    *                                REMAINDER =   59 (SS)              *
                    *                                                                   *
                    *                SO TIME 60299... = 16:44.59                        *
                    *                                                                   *
                    * USING THIS METHOD IT IS POSSIBLE TO MATCH THE TIME STAMPS ON THE    *
                    * CONSOLE LOG WITH THE TRACE ENTRIES. NOTE THE ABOVE TRACE ENTRY WHICH *
                    * HAS THE TIME STAMP TIME OF OUR EXAMPLE AND THE FOLLOWING MESSAGE TO *
                    * THE CONSOLE.                                                       *
                    *********************************************************************

16.44.59 STC    5  IST093I  NCPM80   ACTIVE

                    **NOTE:*************************************************************
                    * ACF/VTAM SENDS CONTACT TO NCP FOR PU TYPE 4 IN DOMAIN 2 ... +RSP    *
                    *********************************************************************

USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    NCPM80  /VTAM        LRC(000,000)    OUTBOUND
           VTAM       TH=1C009000 4001005C 0008  RH= 0B8000
                                  010201A0 00                                  *.....               *
          TIME    60389.671457
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C009000 4001005C 00080B80 00010201 A000     ****  CONTACT  ****
          TIME    60389.676679
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000005C 00068B80 00010201          ** CONTACT +RSP ***
          TIME    60389.881212
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
```

```
                VTAM       TH=1C004001 9000005C 0006  RH= 8B8000
                                                  010201                              *...                 *
               TIME    60389.887931


                                **NOTE:*****************************************************************
                                * AFTER THE NCP IS ACTIVE THE OPERATOR OF HOST1 ACTIVATES TRACES AND   *
                                * BEGINS TO ACTIVATE THE REMAINDER OF THE NETWORK IN DOMAIN 1          *
                                ************************************************************************

==> V NET,ACT,ID=EMVSPATH
16.50.23 STC    5  IST097I  VARY     ACCEPTED
16.50.29 STC    5  IST177I  DESTSUB 010 ALREADY CONTAINS EITHER A MAJOR NODE OR AN ACTIVE PATH. FOLLOWING PATH IGNORED
16.50.29 STC    5  IST173I  PATH DEFINITION: ADJSUB= 009 ,DESTSUB= 010
16.50.59 STC    5  IST093I  EMVSPATH ACTIVE
==> V NET,ACT,ID=EMVSRSC
16.51.24 STC    5  IST097I  VARY     ACCEPTED
16.51.27 STC    5  IST197I  SAVED CONFIGURATION EMVSRSC  READ FROM VTAMOBJ
16.51.38 STC    5  IST489I  VARY ACT   FOR ID = EMVSRSC  CONTINUES - CANNOT DEFINE NODE: ESEND
16.51.38 STC    5  IST489I  VARY ACT   FOR ID = EMVSRSC  CONTINUES - CANNOT DEFINE NODE: ERECV
16.51.39 STC    5  IST093I  EMVSRSC  ACTIVE
==> F VTAMG,TRACE,TYPE=IO,ID=T0103503
16.51.51 STC    5  IST097I  MODIFY    ACCEPTED
16.51.52 STC    5  IST513I  TRACE INITIATED FOR NODE T0103503
==> F VTAMG,TRACE,TYPE=BUF,ID=T0103503
16.51.58 STC    5  IST097I  MODIFY    ACCEPTED
16.51.59 STC    5  IST513I  TRACE INITIATED FOR NODE T0103503
==> V NET,ACT,ID=EMVSRM
16.52.06 STC    5  IST097I  VARY     ACCEPTED
16.52.20 STC    5  IST197I  SAVED CONFIGURATION EMVSRM   READ FROM VTAMOBJ
16.52.25 STC    5  IST093I  EMVSRM   ACTIVE
16.52.25 STC    5  IST093I  MVSHOST  ACTIVE
==> V NET,INACT,ID=MVSHOST
16.52.49 STC    5  IST097I  VARY     ACCEPTED
16.52.51 STC    5  IST105I  MVSHOST  NODE NOW INACTIVE
==> F VTAMG,TRACE,TYPE=IO,ID=MVSHOST
16.52.54 STC    5  IST097I  MODIFY    ACCEPTED
16.52.54 STC    5  IST513I  TRACE INITIATED FOR NODE MVSHOST
==> F VTAMG,TRACE,TYPE=BUF,ID=MVSHOST
16.52.59 STC    5  IST097I  MODIFY    ACCEPTED
16.52.59 STC    5  IST513I  TRACE INITIATED FOR NODE MVSHOST
==> F VTAMG,TRACE,TYPE=IO,ID=EHOST
16.53.05 STC    5  IST097I  MODIFY    ACCEPTED
16.53.06 STC    5  IST513I  TRACE INITIATED FOR NODE EHOST
==> F VTAMG,TRACE,TYPE=BUF,ID=EHOST
16.53.11 STC    5  IST097I  MODIFY    ACCEPTED
16.53.11 STC    5  IST513I  TRACE INITIATED FOR NODE EHOST
==> V NET,ACT,ID=MVSAPPL
17.22.44 STC    5  IST097I  VARY     ACCEPTED
17.22.45 STC    5  IST093I  MVSAPPL  ACTIVE
==> V NET,ACT,ID=MVSHOST
17.22.51 STC    5  IST097I  VARY     ACCEPTED
17.22.51 STC    5  IST093I  MVSHOST  ACTIVE
==> V NET,ACT,ID=EHOST
```

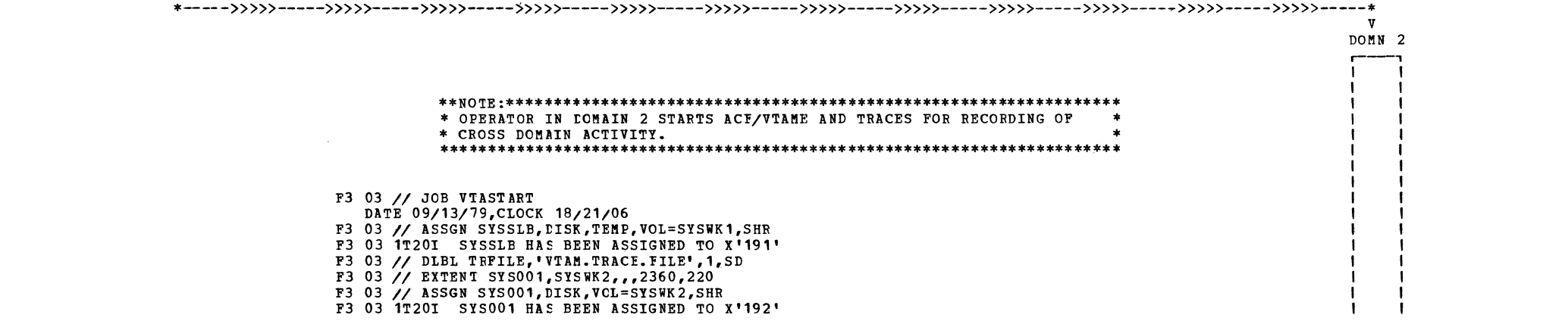
```
17.23.02 STC    5  IST097I  VARY     ACCEPTED

                     **NOTE:*************************************************************
                     * VARY ACT TO CROSS DOMAIN RESOURCE MANAGER 'EHOST' TRACE FOLLOWS.    *
                     * THE FIRST COMMAND IS ACTCDRM. NOTE THE RESPONSE IN THE SENSE RU...  *
                     * ... '8002' IS 'LINK FAILURE' - THIS IS DUE TO OUTSTANDING COMPLETION *
                     * OF THE 'CONTACT' REQUEST - COMPLETION IS SIGNIFIED BY 'CONTACTED'.  *
                     *********************************************************************

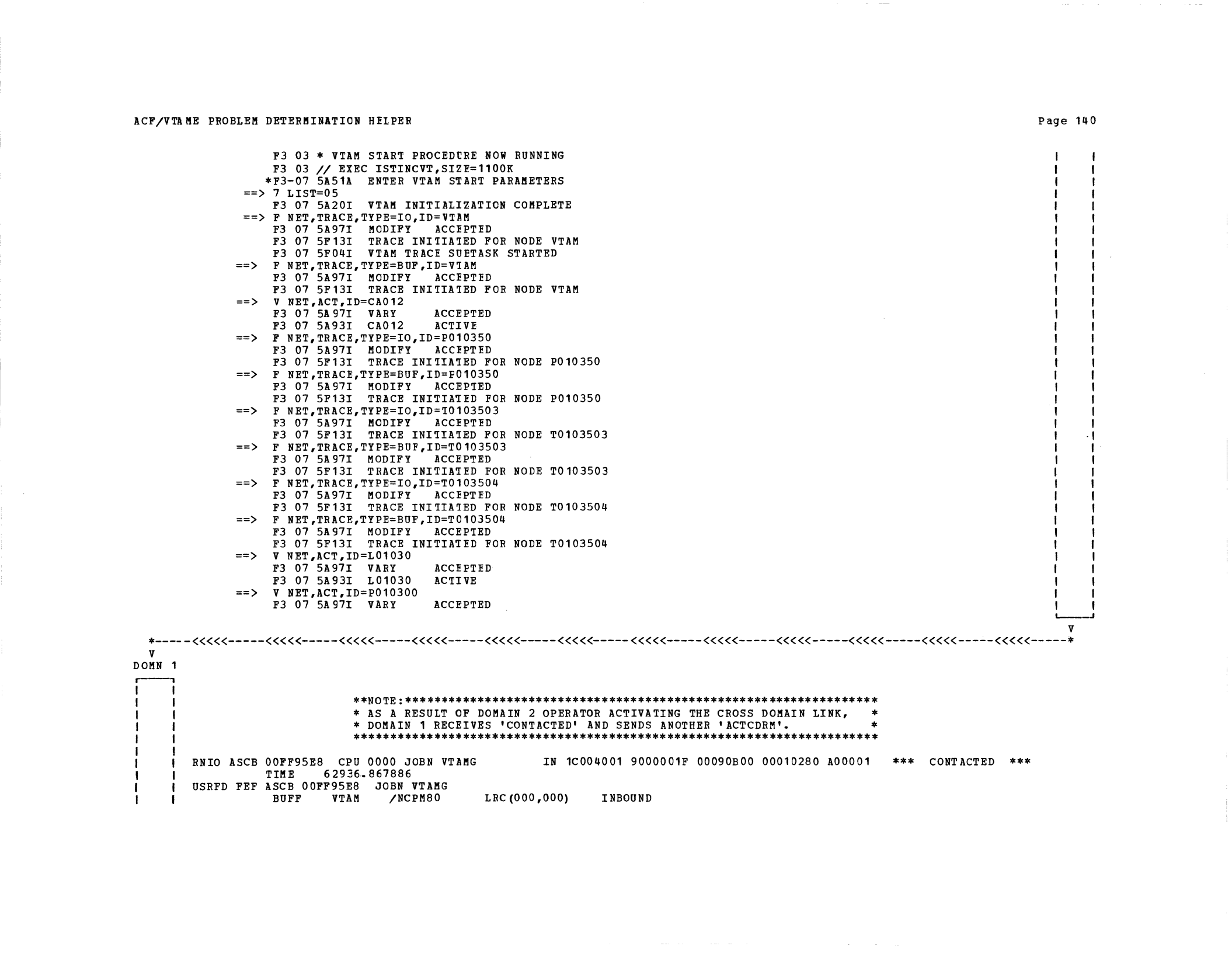
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
           VTAM       TH=1D00A001 40010001 001E  RH= 6B8000
                                  14011111 00000000 00000000 05000000 00040106  *.....................*
                                  02007C00 000000                               *..@....            *
           TIME    62584.089305
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1D00A001 40010001 001E6B80 00140111 11000000 *****  ACTCDRM  *****
           TIME    62584.377167
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 A0010001 000AEF90 00800200 00140111 *NEG RSP-LINK F'LURE*
           TIME    62584.757398
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
           VTAM       TH=1D004001 A0010001 000A  RH= EF9000
                                  80020000 140111                               *.......            *
           TIME    62584.762070

                     **NOTE:*************************************************************
                     * THE LINK FAILURE IS BECAUSE DOMAIN TWO HAS NOT BEEN INITIALIZED.    *
                     * VARY ACTIVATE IS PENDING AS THE FOLLOWING MESSAGE INDICATES.        *
                     *********************************************************************


17.23.04 STC    5  IST618I  NO PATH TO ID = EHOST    VARY ACT PENDING
```



```
                F3 03 * VTAM START PROCEDURE NOW RUNNING
                F3 03 // EXEC ISTINCVT,SIZE=1100K
               *F3-07 5A51A  ENTER VTAM START PARAMETERS
            ==> 7 LIST=05
                F3 07 5A20I  VTAM INITIALIZATION COMPLETE
            ==> F NET,TRACE,TYPE=IO,ID=VTAM
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE VTAM
                F3 07 5F04I  VTAM TRACE SUBTASK STARTED
           ==>  F NET,TRACE,TYPE=BUF,ID=VTAM
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE VTAM
           ==>  V NET,ACT,ID=CA012
                F3 07 5A97I  VARY     ACCEPTED
                F3 07 5A93I  CA012    ACTIVE
           ==>  F NET,TRACE,TYPE=IO,ID=P010350
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE P010350
           ==>  F NET,TRACE,TYPE=BUF,ID=P010350
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE P010350
           ==>  F NET,TRACE,TYPE=IO,ID=T0103503
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE T0103503
           ==>  F NET,TRACE,TYPE=BUF,ID=T0103503
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE T0103503
           ==>  F NET,TRACE,TYPE=IO,ID=T0103504
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE T0103504
           ==>  F NET,TRACE,TYPE=BUF,ID=T0103504
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE T0103504
           ==>  V NET,ACT,ID=L01030
                F3 07 5A97I  VARY     ACCEPTED
                F3 07 5A93I  L01030   ACTIVE
           ==>  V NET,ACT,ID=P010300
                F3 07 5A97I  VARY     ACCEPTED
```



```
DOMN 1

                    **NOTE:*****************************************************************
                    * AS A RESULT OF DOMAIN 2 OPERATOR ACTIVATING THE CROSS DOMAIN LINK,   *
                    * DOMAIN 1 RECEIVES 'CONTACTED' AND SENDS ANOTHER 'ACTCDRM'.           *
                    ************************************************************************

  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000001F 00090B00 00010280 A00001   ***  CONTACTED  ***
            TIME    62936.867886
  USRFD FEF ASCB 00FF95E8  JOBN VTAMG
             BUFF    VTAM    /NCPM80      LRC(000,000)     INBOUND
```

```
|     |            VTAM       TH=1C004001 9000001F 0009  RH= 0B0000
|     |                                   010280A0 0001                                 *......          *
|     |           TIME    62937.218166
|     |  USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|     |            BUFF     EHOST   /VTAM         LRC(000,000)    OUTBOUND
|     |            VTAM       TH=1D00A001 40C10002 001E  RH= 6B8000
|     |                                   14011111 00000000 00000000 05000000 00040106  *.....................*
|     |                                   02007C00 000000                               *..@....          *
|     |           TIME    62940.348985
|     |  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1D00A001 40010002 001E6B80 00140111 11000000 ***  ACTCDRM  ***
|_____|           TIME    62940.365358
   V
   *----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                                                  V
                                                                                                                               DOMN 2
                                                                                                                               ______
                                                                                                                              |      |
                      **NOTE:*********************************************************************                            |      |
                      * OPERATOR IS NOTIFIED OF CROSS DOMAIN PU TYPE 4 ACTIVATION.              *                             |      |
                      * NETWORK OPERATOR THEN ACTIVATES CROSS DOMAIN RESOURCES AND MANAGERS.    *                             |      |
                      ***************************************************************************                             |      |

            F3 07 5A93I  P010300  ACTIVE                                                                                      |      |
       ==>  V NET,ACT,ID=EPATH                                                                                                |      |
            F3 07 5A97I  VARY     ACCEPTED                                                                                    |      |
            F3 07 5A93I  EPATH    ACTIVE                                                                                      |      |
       ==>  V NET,ACT,ID=ECDRM                                                                                                |      |
            F3 07 5A97I  VARY     ACCEPTED                                                                                    |      |
            F3 07 5A93I  ECDRM    ACTIVE                                                                                      |      |
       ==>  F NET,TRACE,TYPE=BUF,ID=EHOST                                                                                     |      |
            F3 07 5A97I  MODIFY   ACCEPTED                                                                                    |      |
            F3 07 5F13I  TRACE INITIATED FOR NODE EHOST                                                                       |      |
       ==>  F NET,TRACE,TYPE=IO,ID=EHOST                                                                                      |      |
            F3 07 5A97I  MODIFY   ACCEPTED                                                                                    |      |
            F3 07 5F13I  TRACE INITIATED FOR NODE EHOST                                                                       |      |
       ==>  F NET,TRACE,TYPE=IO,ID=MVSHOST                                                                                    |      |
            F3 07 5A97I  MODIFY   ACCEPTED                                                                                    |      |
            F3 07 5F13I  TRACE INITIATED FOR NODE MVSHOST                                                                     |      |
       ==>  F NET,TRACE,TYPE=BUF,ID=MVSHOST                                                                                   |      |
            F3 07 5A97I  MODIFY   ACCEPTED                                                                                    |      |
            F3 07 5F13I  TRACE INITIATED FOR NODE MVSHOST                                                                     |      |
       ==>  D NET,ID=ECDRM,E                                                                                                  |      |
            F3 07 5A97I  DISPLAY  ACCEPTED                                                                                    |      |
            F3 07 5A75I  VTAM DISPLAY - NODE TYPE= CDRM SEGMENT                                                               |      |
            F3 07 5E86I  NAME = ECDRM    , STATUS = ACTIV                                                                     |      |
            F3 07 5E77I  CDRMS:                                                                                               |      |
            F3 07 5E82I  EHOST    INACT ,SUBAREA = 010                                                                        |      |
            F3 07 5E82I  MVSHOST  NEVAC ,SUBAREA = 004                                                                        |      |
            F3 07 5D14I  END                                                                                                  |      |
       ==>  V NET,ACT,ID=ECDRSC                                                                                               |      |
            F3 07 5A97I  VARY     ACCEPTED                                                                                    |      |
```

```
                F3 07 5A93I  ECDRSC   ACTIVE
             ==>  F NET,TRACE,TYPE=IO,ID=MVSAPPL
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE MVSAPPL
             ==>  F NET,TRACE,TYPE=BUF,ID=MVSAPPL
                F3 07 5A97I  MODIFY   ACCEPTED
                F3 07 5F13I  TRACE INITIATED FOR NODE MVSAPPL
             ==>  V NET,ACT,ID=EHOST
                F3 07 5A97I  VARY     ACCEPTED
                F3 07 5A93I  EHOST    ACTIVE
             ==>  V NET,ACT,ID=MVSHOST
                F3 07 5A97I  VARY     ACCEPTED

                          **NOTE:*************************************************************
                          * THE FIRST TRACE FROM THE EHOST SHOWS AN ACTCDRM GOING TO MVSHOST.  *
                          *********************************************************************

     BUF    MVSHOST /VTAM       79.256/23:36:50.75                OUTBOUND
      VTAM     TH=1D004001A0010001001E    RH=6B8000
            14011111  00000000  00000000  05000000  000A0106  02007C00  000 000          .....................@....
     IO     MVSHOST /EHOST      79.256/23:36:50.77                OUTBOUND
               TH=1D004001A0010001001E    RH=6B8000   RU=14011111000000                      ****ACTCDRM REQUEST****
```

```
DOMN 1

                          **NOTE:*************************************************************
                          * INBOUND 'ACTCDRM' REQ FROM DOMAIN 2                               *
                          *********************************************************************

     RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 A0010001 001E6B80 00140111 11000000 *** ACTCDRM +RSP ***
               TIME    63492.856347
     USRFD FEF ASCB 00FF95E8  JOBN VTAMG
                BUFF     VTAM     /EHOST       LRC(000,000)     INBOUND
                VTAM        TH=1D004001 A0010001 001E  RH= 6B8000
                                         14011111 00000000 00000000 05000000 000A0106  *.....................*
                                         02007C00 000000                               *..@....              *
               TIME    63493.172290

                          **NOTE:*************************************************************
                          * ACF/VTAM NOTIFIES DOMAIN 1 OPERATOR THAT ACT IS IN PROGRESS TO EHOST *
                          *********************************************************************

     17.38.15 STC    5  IST324I  ACTIVATE IN PROGRESS WITH ID = EHOST    DUE TO ACTCDRM    REQUEST
```

```
                    **NOTE:*************************************************************
                    * THE NEXT TRACE ENTRIES ARE AN INTERNAL UNBIND TO CLEAN UP SOME CTBLKS*
                    * AND TO CLEAR THE OUTSTANDING 'ACTCDRM' REQ SENT TO DOMAIN 2         *
                    **********************************************************************

 USRFD FEF ASCB 00FF95E8  JOBN VTAMG
            BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
            VTAM       TH=1D00A001 40010003 0005  RH= 6B8000
                                    3201                                    *..                 *
           TIME    63496.374783
 USRFD FEF ASCB 00FF95E8  JOBN VTAMG
            BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
            VTAM       TH=1D004001 A0C10003 0004  RH= EB8000
                                    32                                      *.                  *
           TIME    63496.378095


                    **NOTE:*************************************************************
                    * ACF/VTAM SENDS +RSP ACTCDRM TO EHOST                               *
                    **********************************************************************

 USRFD FEF ASCB 00FF95E8  JOBN VTAMG
            BUFF    EHOST   /VTAM        LRC(000,000)    OUTBCUND
            VTAM       TH=1D00A001 40010001 001A  RH= EB8000
                                    14011111 00000000 00000000 05000000 00040106  *.....................*
                                    02007C                                      *..@                  *
           TIME    63496.498294
 RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1D00A001 40010001 001AEB80 00140111 11000000 ***    ACTCDRM    ***
           TIME    63496.501288
```

```
                    **NCTE:*************************************************************
                    * RECIEVE +RSP  FROM MVSHOST FOR ACTCDRM.                            *
                    **********************************************************************


 IO     EHOST   /MVSHOST    79.256/23:36:55.79                INBOUND
          TH=1D00A00140010001001A    RH=EE8000   RU=14011111000000                          ******+RSP ACTCDRM******
 BUF    VTAM    /MVSHOST    79.256/23:36:55.79                INBCUND
  VTAM     TH=1D00A00140010001001A    RH=EE8000
        14011111  00000000  00000000  05000000  00040106  02007C                        .....................@


                    **NOTE:*************************************************************
                    * HOST 2 SENDS START DATA TRAFFIC (SDT) TO MVSHOST.                  *
                    **********************************************************************


 BUF    MVSHOST /VTAM       79.256/23:36:55.83                OUTBOUND
  VTAM     TH=1D004001A00100020004    RH=6B8000
```

```
         A0
IO       MVSHOST /EHOST       79.256/23:36:55.84              OUTBOUND
            TH=1D004001A00100020004    RH=6B8000    RU=A0                              ******SDT REQUEST******

*-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
V
DOMN 1

                    **NOTE:*****************************************************************
                    * NEXT IS 'SDT' FROM EHOST. ACF/VTAM SENDS +RSP TO EHOST (ACF/VTAME)    *
                    ************************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        IN 1D004001 A0010002 00046B80 00A0          ***START DATA TRAFFIC***
          TIME    63497.076735
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
           VTAM       TH=1D004001 A0010002 0004  RH= 6B8000
                                          A0                                    *.                *
          TIME    63497.081386
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
           VTAM       TH=1D00A001 40010002 0004  RH= EB8000
                                          A0                                    *.                *
          TIME    63497.339550
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG       OUT 1D00A001 40010002 0004EB80 00A0          ****** SDT +RSP ******
          TIME    63497.342676

                    **NOTE:*****************************************************************
                    * OPERATOR IS NOTIFIED THAT THE CROSS DOMAIN RESOURCE MANAGER OF DOMAIN*
                    * TWO IS ACTIVE.                                                       *
                    ************************************************************************


17.38.17 STC    5  IST093I  EHOST    ACTIVE


                    **NOTE:*****************************************************************
                    * NOW DOMAIN 1 OPERATOR ACTIVATES THE APPL (MVSAPPL), AND STARTS       *
                    * IT AND ACTIVATES THE NODE WHICH WILL BE LOGGING ON TO MVSAPPL.       *
                    ************************************************************************

V NET,ACT,ID=MVSAPPL
17.38.59 STC    5  IST097I  VARY     ACCEPTED
17.39.00 STC    5  IST093I  MVSAPPL  ACTIVE
S APPL,NAME=SNA4APPL
17.39.19 STC    6  $HASP100 APPL     ON STCINRDR
17.39.22 STC    6  $HASP373 APPL     STARTED
V NET,ACT,ID=T0103503
17.39.52 STC    5  IST097I  VARY     ACCEPTED
17.39.57 STC    6 @12 ***SNA4APPL:  REPLY EOB FOR HARDCOPY LOG;  NO FOR NO HARDCOPY.
17.39.59 STC    5  IST093I  T0103503 ACTIVE
12NO
```

```
|    |  17.42.06             IEE600I REPLY TO 12 IS;SUPPRESSED
|    |  17.42.09 STC    6 @13 ***SNA4APPL:  CHOOSE AN APPLID, UP TO 8 CHARACTERS.  DEFAULT IS APPL4.
|    |  13 MVSAPPL
|    |  17.42.38             IEE600I REPLY TO 13 IS;SUPPRESSED
|    |  17.42.46 STC    6 @14 ***MVSAPPL :  REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON, 5-LOG OPTIONS, 6-DEFAULTS, 7-SECOND
|    |  146
|    |  17.43.09             IEE600I REPLY TO 14 IS;SUPPRESSED
|    |  17.43.11 STC    6 @15 ***MVSAPPL :  SPECIFY DEFAULTS: 1-CONVERSATIONAL, 2-AUTO ECHO, 3-FULL SCREEN ECHO.  DEFAULT IS CONVER
|    |  ==> V NET,ACT,ID=T0103504
|    |  18.49.39 STC    5  IST097I  VARY     ACCEPTED
|    |  18.49.40 STC    5  IST093I  T0103504 ACTIVE
|    |  ==> 152
|    |  19.09.45             IEE600I REPLY TO 27 IS;SUPPRESSED
|    |  19.09.45 STC    6  +***MVSAPPL :  AUTO RESP EXIT ECHOING IS ACTIVE.
|____|  19.09.45 STC    6 @16 ***MVSAPPL :  REPLY 1-CONTINUE, 2-ABEND, 3-CLOSE ACB, 4-SIMLOGON, 5-LOG OPTIONS, 6-DEFAULTS, 7-SECOND
  V
  *----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                                                V
                                                                                                                             DOWN 2
                                                                                                                             ┌────┐
                                        **NOTE:*******************************************************************
                                        * RECEIVE +RSP  TO SDT REQUEST.                                          *
                                        **************************************************************************

  IO     EHOST   /MVSHOST    79.256/23:36:56.59                INBOUND
           TH=1D00A001400100020004    RH=EB8000    RU=A0                                   *******+RSP SDT********
  BUF    VTAM    /MVSHOST    79.256/23:36:56.60                INBOUND
   VTAM    TH=1D00A001400100020004    RH=EB8000
         A0

                                        **NOTE:*******************************************************************
                                        *  EHOST OPERATOR FINALLY GETS THE MESSAGE HE HAS BEEN WAITING FOR.      *
                                        **************************************************************************

               F3 07 5A93I  MVSHOST  ACTIVE

                                        **NOTE:*******************************************************************
                                        * EHOST NETWORK OPERATOR  ACTIVATES THE LINE (L01035), THE PU (P010350) *
                                        * AND THE LUS (T0103503 & T0103504) TO BE USED FOR CROSS DOMAIN SESSION*
                                        **************************************************************************

         ==>   V NET,ACT,ID=L01035
               F3 07 5A97I  VARY     ACCEPTED
               F3 07 5A93I  L01035   ACTIVE
         ==>   V NET,ACT,ID=P010350
               F3 07 5A97I  VARY     ACCEPTED
```

```
          ==>  V NET,ACT,ID=T0103503
               F3 07 5A97I  VARY     ACCEPTED
          ==>  V NET,ACT,ID=T0103504
               F3 07 5A97I  VARY     ACCEPTED


                        **NOTE:*************************************************************
                        * VTAME SENDS A ACTIVATE PHYSICAL UNIT (ACTPU) TO P010350 AND       *
                        * RECEIVES A PCSITIVE RESPONSE.                                     *
                        *************************************************************************


BUF    P010350 /VTAM       79.257/01:10:25.69                OUTBOUND
 VTAM     TH=1D00A07DA0010001000C    RH=6E8000
       11010105  00000000  0A                                          .........
IO     P010350 /VTAM       79.257/01:10:25.70                OUTBOUND
          TH=1D00A07DA0010001000C    RH=6E8000   RU=11010105000000                *****ACTPU REQUEST*****
IO     VTAM    /P010350    79.257/01:10:25.99                INBOUND
          TH=1D00A001A07D00010017    RH=EE8000   RU=11114040404040                *******+RSP ACTPU******
BUF    VTAM    /P010350    79.257/01:10:25.99                INBOUND
 VTAM     TH=1D00A001A07D00010017    RH=EE8000
       11114040  40404040  40400000  07010000  00000000                ..       ..........


                        **NOTE:*************************************************************
                        *  VTAME SENDS ACTLU COMMANDS TO THE LOGICAL UNITS, AND RECEIVES    *
                        *  POSITIVE RESPONSES.                                              *
                        *************************************************************************


BUF    T0103503/VTAM       79.257/01:10:26.10                OUTBOUND
 VTAM     TH=1D00A07FA00100010006    RH=6E8000
       0D0101                                                      ...
IO     T0103503/VTAM       79.257/01:10:26.15                OUTBOUND
          TH=1D00A07FA00100010006    RH=6E8000   RU=0D0101           *****ACTLU REQUEST*****
BUF    T0103504/VTAM       79.257/01:10:26.18                OUTBOUND
 VTAM     TH=1D00A080A00100010006    RH=6E8000
       0D0101                                                      ...
IO     T0103504/EHOST      79.257/01:10:26.24                OUTBOUND
          TH=1D00A080A00100010006    RH=6E8000   RU=0D0101           *****ACTLU REQUEST*****
IO     VTAM    /T0103503   79.257/01:10:26.65                INBOUND
          TH=1D00A001A07F00010013    RH=EB8000   RU=0D010100850000           *******+RSP ACTLU*******
BUF    VTAM    /T0103503   79.257/01:10:26.65                INBOUND
 VTAM     TH=1D00A001A07F00010013    RH=EE8000
       0D010100  85000000  0C060300  01000000                ....E...........
IO     EHOST   /T0103504   79.257/01:10:26.88                INBCUND
          TH=1D00A001A08000010013    RH=EE8000   RU=0D010100850000           *******+RSP ACTLU*******
BUF    VTAM    /T0103504   79.257/01:10:26.88                INBOUND
 VTAM     TH=1D00A001A08000010013    RH=EE8000
       0D010100  85000000  0C060300  01000000                ....E...........
```

```
                    **NOTE:*************************************************************
                    * OPERATOR IS NOTIFIED OF ACTIVATIONS.                              *
                    *********************************************************************


              F3 07 5A93I  P010350  ACTIVE
              F3 07 5A93I  T0103503 ACTIVE
              F3 07 5A93I  T0103504 ACTIVE


                    **NOTE:*************************************************************
                    *  TERMINAL OPERATOR AT T0103504 ENTERS A LOGON COMMAND TO VTAME'S SSCP*
                    *********************************************************************


IO     EHOST   /T0103504   79.257/01:11:30.66                INBOUND
         TH=1C00A001A08000000018    RH=038000   RU=93968796954081
BUF    VTAM    /T0103504   79.257/01:11:30.67                INBOUND
 VTAM    TH=1C00A001A08000000018    RH=038000
       93968796  95408197  97938984  4D94A5A2  81979793  5D                          LOGON APPLID(MVSAPPL)


                    **NOTE:*************************************************************
                    *  VTAME GENERATES A CDINIT TO MVSHOST FOR MVSAPPL.                  *
                    *********************************************************************


BUF    MVSHOST /VTAM       79.257/01:11:30.85                OUTBOUND
 VTAM    TH=1C004001A00100110040    RH=0B8100
       81864100  400242A0  01EF7A48  3E0810A0  80000000  00404040  404 04040  40F308D4  AF.. .....:.........       3.M
       E5E2C1D7  D7D34000  0000F308  E3F0F1F0  F3F5F0F4  F307D4E5  E2C 1D7D7  D3        VSAPPL ...3.T01035043.MVSAPPL
IO     MVSHOST /EHOST      79.257/01:11:30.86                OUTBOUND
         TH=1C004001A00100110040    RH=0B8100   RU=81864100400242                ****CDINIT REQUEST*****
```

```
DOMN 1

                    **NOTE:*************************************************************
                    * DOMAIN 2 TERMINAL OPERATOR HAS LOGGED ON TO MVSAPPL...            *
                    * ( THIS IS THE NAME OF DOMAIN ONE'S APPLICATION )                  *
                    *   ...THE FIRST COMMAND WE SEE IS CDINIT TO T0103504 LU          *
                    *********************************************************************

  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 A0010011 00400B81 00818641 00400242 *****  CDINIT  *****
       TIME    69172.939572
  USRFD FEF ASCB 00FF95E8  JOBN VTAMG
             BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
           VTAM       TH=1C004001 A0010011 0040  RH= 0B8100
                                          81864100 400242A0 01EF7A48 3E0810A0 80000000  *AF.. .....:.........*
                                          00404040 40404040 40F308D4 E5E2C1D7 D7D34000  *.        3.MVSAPPL .*
                                          0000F308 E3F0F1F0 F3F5F0F4 F307D4E5 E2C1D7D7  *..3.T01035043.MVSAPP*
```

```
|     |                                       D3                                                    *L                  *
|     |          TIME    69173.119727
|     |  USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|     |           BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
|     |           VTAM       TH=1D00A001 40010000 0003  RH= 838100
|     |          TIME    69173.735629
|     |  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1D00A001 40010000 00038381 00              **** IPR ****
|     |          TIME    69173.738830
|     |  USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|     |           BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
|     |           VTAM       TH=1C00A001 40010011 000B  RH= 8B8000
|     |                                       81864100 01400541                                     *AF... ..           *
|     |          TIME    69174.137524
|     |  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C00A001 40010011 000B8B80 00818641 00014005 ***** CDINIT +RSP *****
|     |          TIME    69174.140599
|_____|
  V
  *----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                                              V
                                                                                                                           DOMN 2
                                                                                                                           ______
                                                                                                                           |    |
                        **NOTE:**********************************************************************                      |    |
                        * RECEIVE IPR AND +RSP  FOR CDINIT FROM DOMAIN 1.                           *                      |    |
                        *****************************************************************************                      |    |

     IO      EHOST   /MVSHOST     79.257/01:11:32.90               INBOUND                                                 |    |
                TH=1D00A00140010000003     RH=838100                                          **********IPR**********      |    |
     BUF     VTAM    /MVSHOST     79.257/01:11:32.91               INBOUND                                                 |    |
      VTAM      TH=1D00A00140010000003     RH=838100                                                                       |    |
     IO      EHOST   /MVSHOST     79.257/01:11:33.31               INBOUND                                                 |    |
                TH=1C00A001400100011000B     RH=8B8000    RU=81864100014005                   *******+RSP CDINIT******     |    |
     BUF     VTAM    /MVSHOST     79.257/01:11:33.32               INBOUND                                                 |    |
      VTAM      TH=1C00A001400100011000B     RH=8B8000                                                                     |    |
             81864100   01400541                                                          AF... ..                         |    |

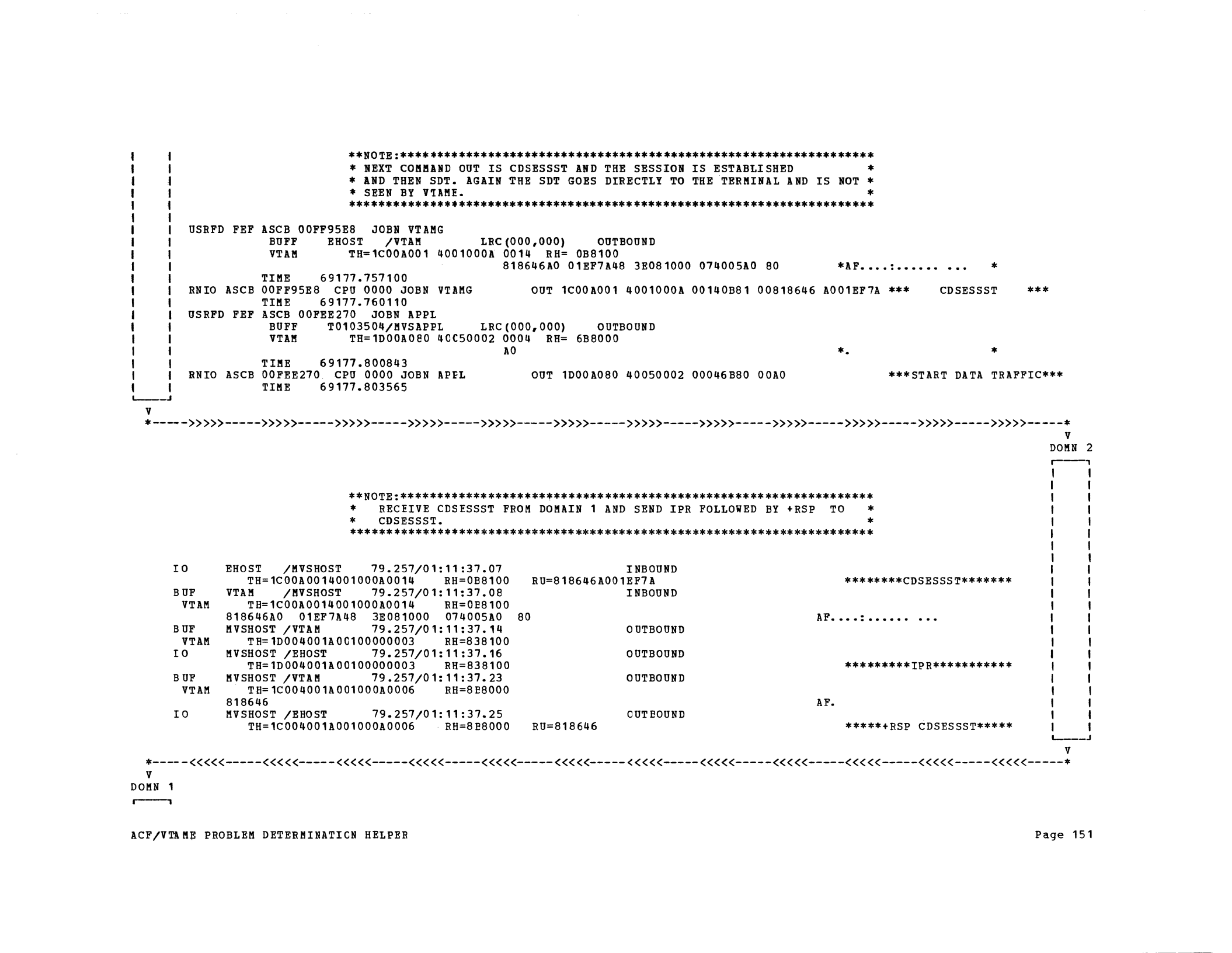
                        **NOTE:**********************************************************************                      |    |
                        *  SEND +RSP  TO LOGON REQUEST TO T0103504                                  *                      |    |
                        *****************************************************************************                      |    |

     BUF     T0103504/VTAM        79.257/01:11:33.38               OUTBOUND                                                |    |
      VTAM      TH=1C00A080A00100000003    RH=838000                                                                       |    |
     IO      T0103504/EHOST       79.257/01:11:33.40               OUTBOUND                                                |    |
                TH=1C00A080A00100000003    RH=838000                                                                       |    |

                        **NOTE:**********************************************************************                      |    |
                        *  SEND CDCINIT TO MVSHOST                                                  *                      |    |
                        *****************************************************************************                      |    |
    SK 2                                                                                                                   |    |
```


BUF MVSHOST /VTAM 79.257/01:11:33.44 OUTBOUND
VTAM TH=1C004001A00100120043 RH=0E8100
81864B00 00A001EF 7A483E08 104005A0 80001C01 0303B190 308 00001 87F80200 AF.....:.... .....G8..
02000000 00001850 20507F00 00000000 0E01C06D 00000480 000 05020 507F0000 .....8."....._.....8."..
IO MVSHOST /EHOST 79.257/01:11:33.45 OUTBOUND
TH=1C004001A00100120043 RH=0E8100 RU=81864B0000A001 ****CDCINIT REQUEST****
DOMN 1
NOTE:***
* THE NEXT COMMAND IS CDCINIT FROM DOMAIN TWO AGAIN POSITIVE RESP *
*****
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG IN 1C004001 A0010012 00430B81 0081864B 0000A001 **** CDCINIT ****
TIME 69174.889412
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1C004001 A0010012 0043 RH= 0B8100
81864B00 00A001EF 7A483E08 104005A0 80001C01 *AF.....:.... .....*
0303B190 30800001 87F80200 02000000 00001850 *.....G8.....8*
20507F00 00000000 0E01C06D 00000480 00005020 *.8"....._.....8.*
507F0000 *8"..*
TIME 69174.894617
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1D00A001 40010000 0003 RH= 838100
TIME 69174.962118
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG OUT 1D00A001 40010000 00038381 00 **** IPR ****
TIME 69174.970422
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1C00A001 40010012 0006 RH= 8B8000
81864B *AF.*
TIME 69175.272598
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG OUT 1C00A001 40010012 00068B80 0081864B *** CDCINIT +RSP ***
TIME 69175.277994
DOMN 2
NOTE:***
* RECEIVE IPR AND +RSP TO CDCINIT FROM DOMAIN 1 *
*****

```
     IO     EHOST   /MVSHOST    79.257/01:11:34.13             INBOUND                                   |     |
              TH=1D00A001400100000003    RH=838100                                   **********IPR**********  |     |
     BUF    VTAM    /MVSHOST    79.257/01:11:34.14             INBOUND                                   |     |
      VTAM    TH=1D00A001400100000003    RH=838100                                                        |     |
     IO     EHOST   /MVSHOST    79.257/01:11:35.67             INBOUND                                   |     |
              TH=1C00A001400100120006    RH=8B8000   RU=81864B                   *****+RSP CDCINIT******  |     |
     BUF    VTAM    /MVSHOST    79.257/01:11:35.68             INBOUND                                   |     |
      VTAM    TH=1C00A001400100120006    RH=8B8000                                                        |     |
            81864B                                                      AF.                               |_____|
                                                                                                             V
  *-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
  V
DOMN 1
.----.
|    |
|    |                    **NOTE:*****************************************************************
|    |                    * IMMEDIATELY AFTER THE CDCINIT RESP, MVSAPPL SENDS BIND TO T0103504    *
|    |                    * AND GETS +RSP. THE BIND IS NOT APPARENT TO ACF/VTAME BECAUSE IT GOES *
|    |                    * DIRECTLY TO THE TERMINAL THROUGH THE COMMUNICATIONS ADAPTER.         *
|    |                    ************************************************************************
|    |
|    |  USRFD FEF ASCB 00FEE270  JOBN APPL
|    |            BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
|    |            VTAM       TH=1D00A080 40C50001 0027  RH= 6B8000
|    |                                       31010303 B1903080 000187F8 02000200 00000000  *..........G8........*
|    |                                       18502050 7F000007 D4E5E2C1 D7D7D300           *.&.&"...MVSAPPL.    *
|    |           TIME    69176.099736
|    |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL        OUT 1D00A080 40050001 00276B80 00310103 03B19030 ***    BIND    ***
|    |           TIME    69176.102457
|    |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         IN 1D004005 A0800001 0004EB80 0031               ***  BIND +RSP  ***
|    |           TIME    69177.654736
|    |  USRFD FEF ASCB 00FEE270  JOBN APPL
|    |            BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
|    |            VTAM       TH=1D004005 A0800001 0004  RH= EB8000
|    |                                       31                                            *.                   *
|    |           TIME    69177.661567
```


NOTE:***
* NEXT COMMAND OUT IS CDSESSST AND THE SESSION IS ESTABLISHED *
* AND THEN SDT. AGAIN THE SDT GOES DIRECTLY TO THE TERMINAL AND IS NOT *
* SEEN BY VTAME. *
*****
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1C00A001 4001000A 0014 RH= 0B8100
818646A0 01EF7A48 3E081000 074005A0 80 *AF....:..... ... *
TIME 69177.757100
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG OUT 1C00A001 4001000A 00140B81 00818646 A001EF7A *** CDSESSST ***
TIME 69177.760110
USRFD FEF ASCB 00FEE270 JOBN APPL
BUFF T0103504/MVSAPPL LRC(000,000) OUTBOUND
VTAM TH=1D00A080 40C50002 0004 RH= 6B8000
A0 *. *
TIME 69177.800843
RNIO ASCB 00FEE270 CPU 0000 JOBN APPL OUT 1D00A080 40050002 00046B80 00A0 ***START DATA TRAFFIC***
TIME 69177.803565
V
DOMN 2
NOTE:***
* RECEIVE CDSESSST FROM DOMAIN 1 AND SEND IPR FOLLOWED BY +RSP TO *
* CDSESSST. *
*****
IO EHOST /MVSHOST 79.257/01:11:37.07 INBOUND
TH=1C00A0014001000A0014 RH=0B8100 RU=818646A001EF7A ********CDSESSST*******
BUF VTAM /MVSHOST 79.257/01:11:37.08 INBOUND
VTAM TH=1C00A0014001000A0014 RH=0B8100
818646A0 01EF7A48 3E081000 074005A0 80 AF....:..... ...
BUF MVSHOST /VTAM 79.257/01:11:37.14 OUTBOUND
VTAM TH=1D004001A0C100000003 RH=838100
IO MVSHOST /EHOST 79.257/01:11:37.16 OUTBOUND
TH=1D004001A00100000003 RH=838100 *********IPR***********
BUF MVSHOST /VTAM 79.257/01:11:37.23 OUTBOUND
VTAM TH=1C004001A001000A0006 RH=8E8000
818646 AF.
IO MVSHOST /EHOST 79.257/01:11:37.25 OUTBOUND
TH=1C004001A001000A0006 RH=8E8000 RU=818646 *****+RSP CDSESSST*****
V
DOMN 1

```
                    **NOTE:*************************************************************
                    *  IPR RECEIVED FROM DOMAIN 2 AND +RSP TO CDSESSST.                 *
                    *********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 A0010000 00038381 00              ***    IPR    ***
          TIME    69178.418444
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
           VTAM       TH=1D004001 A0010000 0003  RH= 838100
          TIME    69178.426625
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 A001000A 00068B80 00818646        *** CDSESSST +RSP ***
          TIME    69178.615947
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
           VTAM       TH=1C004001 A001000A 0006  RH= 8B8000
                                  818646                                    *AF.                *
          TIME    69178.620617
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800002 0004EB80 00A0            ***   SDT  +RSP   ***
          TIME    69178.868085
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM       TH=1D004005 A0800002 0004  RH= EB8000
                                  A0                                        *.                  *
          TIME    69178.871542

                    **NOTE:*************************************************************
                    * MVSAPPL NOTIFIES DOMAIN 1 OPERATOR OF LOGON AT LU2                 *
                    *********************************************************************


19.12.59 STC    6  +**MVSAPPL :  T0103504 LOGON SUCCESSFUL


                    **NOTE:*************************************************************
                    * NOW THE APPLICATION SENDS THE LU AUTO ECHO DATAD + GETS +RSP       *
                    *********************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
                     USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F0115CF0  *UTO ECHO MODE 000.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69178.981036
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM       TH=1C00A080 40C50001 004D  RH= 0381C0
                                           F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F0115CF0  *UTO ECHO MODE 000.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69178.989872
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          OUT 1C00A080 40C50001 004D0381 C0F5F111 40401D60
          TIME    69178.992509
```

```
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800001 00038301 00
          TIME    69180.120559
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM       TH=1D004005 A0800001 0003  RH= 830100
          TIME    69180.128760
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A0800001 00038380 00
          TIME    69180.321466
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM       TH=1C004005 A0800001 0003  RH= 838000
          TIME    69180.328327

              **NOTE*************************************************************
              * ...NEXT BLOCK OF DATA AND +RSP                                    *
              *********************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
             USER                    F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                     E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F1115CF0  *UTO ECHO MODE 001.*0*
                                     1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                     C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69180.406722
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM       TH=1C00A080 40050002 004D  RH= 0380C0
                                     F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                     E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F1115CF0  *UTO ECHO MODE 001.*0*
                                     1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                     C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69180.437964
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL       OUT 1C00A080 40050002 004D0380 C0F5F111 40401D60
          TIME    69180.441614
```

V

----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----

V

DOMN 2

```
              **NOTE:************************************************************
              * RECEIVE LOGON REQUEST FROM TERMINAL OPERATOR AT T0103503. GENERATE  *
              *   A CDINIT TO MVSHOST.                                              *
              *********************************************************************

IO      VTAM    /T0103503   79.257/01:11:39.66                INBOUND
          TH=1C00A001A07F00000018    RH=038000   RU=93968796954081
BUF     VTAM    /T0103503   79.257/01:11:39.67                INBOUND
 VTAM     TH=1C00A001A07F00000018    RH=038000
        93968796  95408197  97938984  4D94A5A2  81979793  5D                        LOGON APPLID(MVSAPPL)
BUF     MVSHOST /VTAM       79.257/01:11:39.87                OUTBOUND
```

```
      VTAM     TH=1C004001A00100130040     RH=0B8100
            81864100  400242A0  01EF7A48  C79F30A0  7F000000  00404040  404 04040  40F308D4  AF.. .....:.G..."....         3.M
            E5E2C1D7  D7D34000  0000F308  E3F0F1F0  F3F5F0F3  F307D4E5  E2C 1D7D7  D3        VSAPPL ...3.T01035033.MVSAPPL
     IO     MVSHOST /EHOST      79.257/01:11:39.89               OUTBOUND
               TH=1C004001A00100130040     RH=0B8100   RU=81864100400242                        *******CDINIT**********

  *-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
  V
DOMN 1

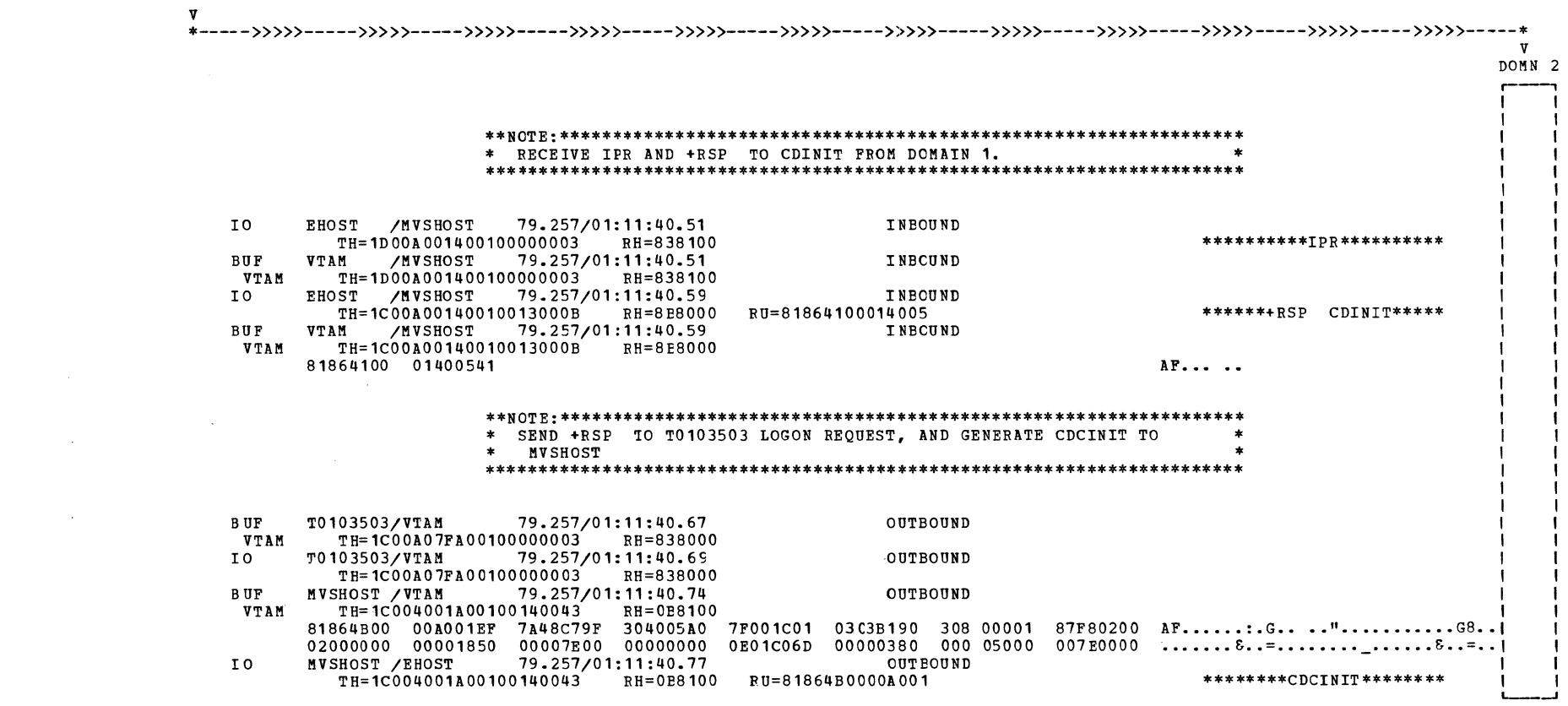
                        **NOTE:*****************************************************************
                        *    RECEIVE CDINIT FROM DOMAIN 2 FOR LOGON AT T0103503 (LU1)          *
                        *    SEND IPR AND +RSP TO CDINIT                                       *
                        ************************************************************************

 RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 A0010013 00400B81 00818641 00400242 ****   CDINIT   ****
           TIME    69181.218236
 USRFD FEF ASCB 00FF95E8  JOBN VTAMG
            BUFF    VTAM    /EHOST        LRC(000,000)    INBOUND
            VTAM       TH=1C004001 A0010013 0040  RH= 0B8100
                                          81864100 400242A0 01EF7A48 C79F30A0 7F000000  *AF.. .....:.G..."...*
                                          00404040 40404040 40F308D4 E5E2C1D7 D7D34000  *.        3.MVSAPPL .*
                                          0000F308 E3F0F1F0 F3F5F0F3 F307D4E5 E2C1D7D7  *..3.T01035033.MVSAPP*
                                          D3                                            *L                  *
           TIME    69181.222889
 USRFD FEF ASCB 00FF95E8  JOBN VTAMG
            BUFF    EHOST   /VTAM         LRC(000,000)    OUTBOUND
            VTAM       TH=1D00A001 40010000 0003  RH= 838100
           TIME    69181.256480
 RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1D00A001 40010000 00038381 00                 ****    IPR    ****
           TIME    69181.259309
 USRFD FEF ASCB 00FF95E8  JOBN VTAMG
            BUFF    EHOST   /VTAM         LRC(000,000)    OUTBOUND
            VTAM       TH=1C00A001 40010013 000B  RH= 8B8000
                                          81864100 01400541                             *AF... ..           *
           TIME    69181.368206
 RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C00A001 40010013 000B8B80 00818641 00014005 **** CDINIT +RSP ****
           TIME    69181.371273

                        **NOTE:*****************************************************************
                        * NEXT INBOUND IS FROM LU 2 - +RSP TO DATA                             *
                        ************************************************************************

 RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A0800002 00038380 00
           TIME    69181.721165
 USRFD FEF ASCB 00FEE270  JOBN APPL
            BUFF    MVSAPPL /T0103504     LRC(000,000)    INBOUND
            VTAM       TH=1C004005 A0800002 0003  RH= 838000
           TIME    69181.727989
 *** DATE   DAY 257    YEAR 1979          TIME 00.13.01.656617                                                      ***
 USRFD FF1 ASCB 00FEE270  JOBN APPL
            BUFF    T0103504/MVSAPPL      LRC(000,000)    OUTBOUND
```

```
                    USER                F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                        E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F2115CF0  *UTO ECHO MODE 002.*0*
                                        1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                        C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69181.794388
```

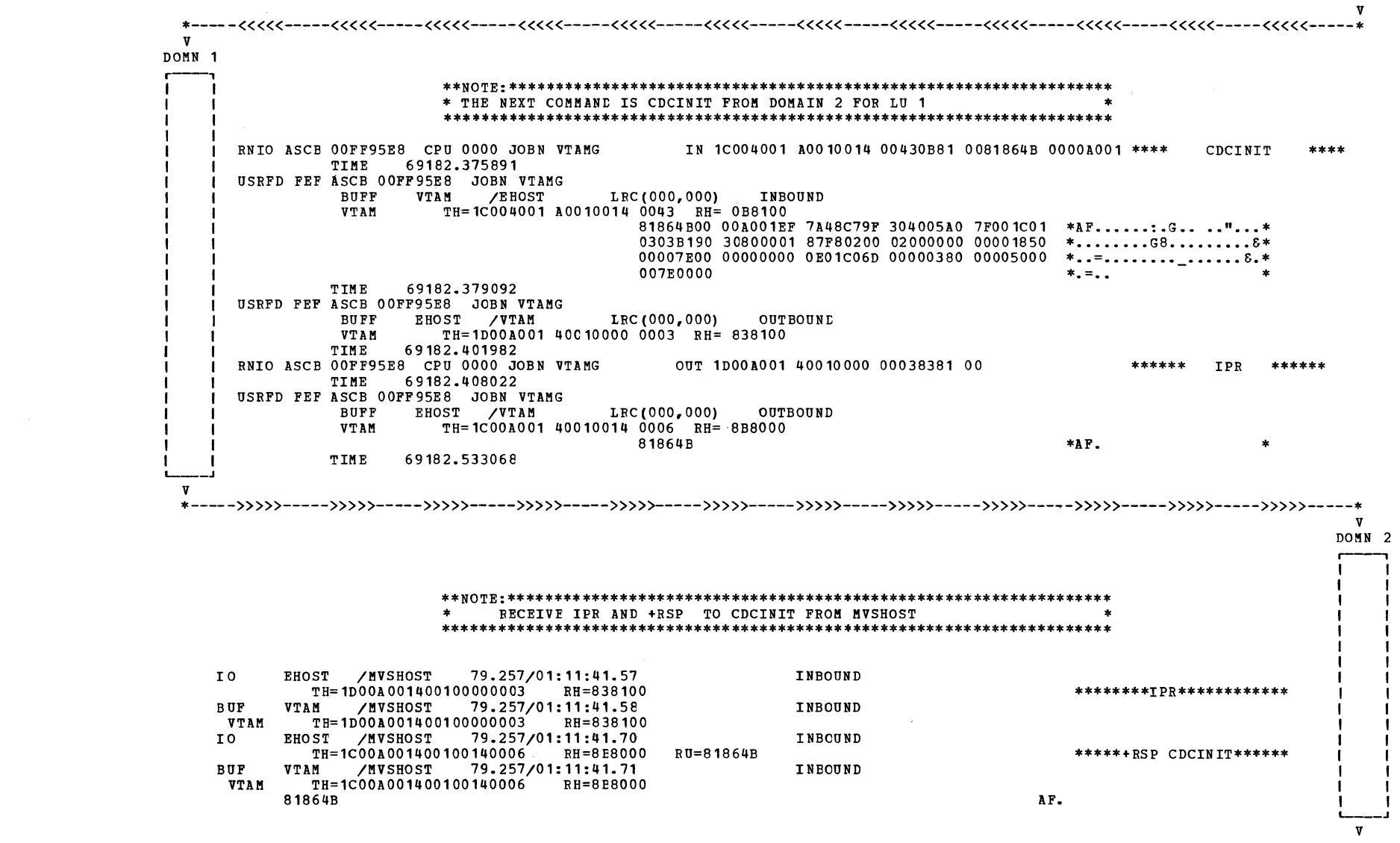



```
                    **NOTE:*************************************************************
                    *  RECEIVE IPR AND +RSP  TO CDINIT FROM DOMAIN 1.                  *
                    *********************************************************************

IO     EHOST   /MVSHOST    79.257/01:11:40.51              INBOUND
          TH=1D00A001400100000003    RH=838100                                **********IPR**********
BUF    VTAM    /MVSHOST    79.257/01:11:40.51              INBOUND
 VTAM     TH=1D00A001400100000003    RH=838100
IO     EHOST   /MVSHOST    79.257/01:11:40.59              INBOUND
          TH=1C00A001400100013000B   RH=8E8000   RU=81864100014005                 *******+RSP  CDINIT*****
BUF    VTAM    /MVSHOST    79.257/01:11:40.59              INBOUND
 VTAM     TH=1C00A001400100013000B   RH=8E8000
       81864100  01400541                                              AF... ..

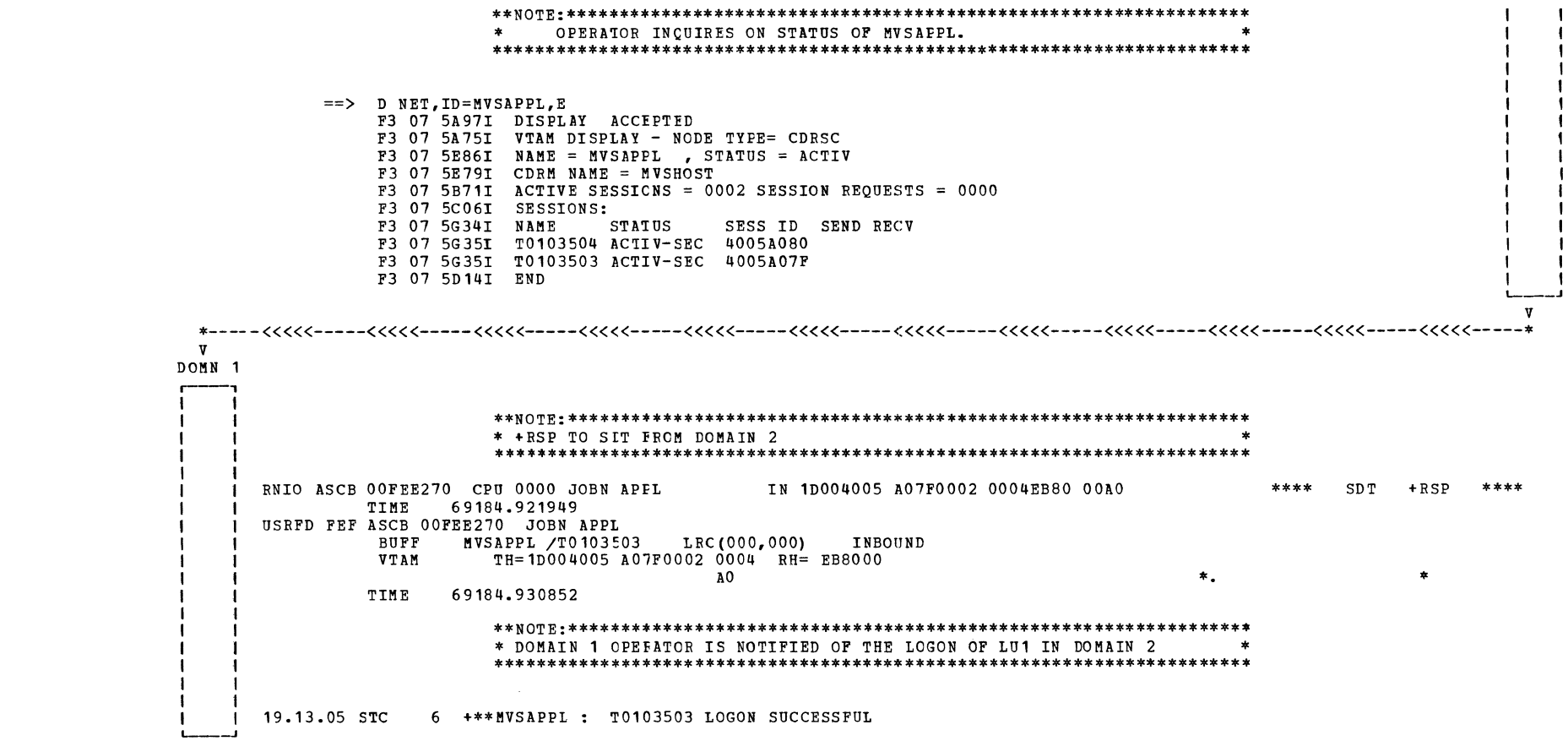
                    **NOTE:*************************************************************
                    *  SEND +RSP  TO T0103503 LOGON REQUEST, AND GENERATE CDCINIT TO   *
                    *   MVSHOST                                                        *
                    *********************************************************************

BUF    T0103503/VTAM       79.257/01:11:40.67              OUTBOUND
 VTAM     TH=1C00A07FA00100000003    RH=838000
IO     T0103503/VTAM       79.257/01:11:40.69              OUTBOUND
          TH=1C00A07FA00100000003    RH=838000
BUF    MVSHOST /VTAM       79.257/01:11:40.74              OUTBOUND
 VTAM     TH=1C004001A00100140043    RH=0B8100
       81864B00  00A001EF  7A48C79F  304005A0  7F001C01  03C3B190  308 00001  87F80200  AF.....:.G.. ..".....G8..
       02000000  00001850  00007E00  00000000  0E01C06D  00000380  000 05000  007E0000  .......&..=....._.....&..=..
IO     MVSHOST /EHOST      79.257/01:11:40.77              OUTBOUND
          TH=1C004001A00100140043    RH=0B8100   RU=81864B0000A001                 ********CDCINIT********
```


DOMN 1
NOTE:********
* THE NEXT COMMAND IS CDCINIT FROM DOMAIN 2 FOR LU 1 *
****
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG IN 1C004001 A0010014 00430B81 0081864B 0000A001 **** CDCINIT ****
TIME 69182.375891
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1C004001 A0010014 0043 RH= 0B8100
81864B00 00A001EF 7A48C79F 304005A0 7F001C01 *AF.....:.G.. ..".../*
0303B190 30800001 87F80200 02000000 00001850 *.....G8.....&*
00007E00 00000000 0E01C06D 00000380 00005000 *..=......_.....&.*
007E0000 *.=.. *
TIME 69182.379092
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1D00A001 40010000 0003 RH= 838100
TIME 69182.401982
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG OUT 1D00A001 40010000 00038381 00 ****** IPR ******
TIME 69182.408022
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1C00A001 40010014 0006 RH= 8B8000
81864B *AF. *
TIME 69182.533068
DOMN 2
NOTE:********
* RECEIVE IPR AND +RSP TO CDCINIT FROM MVSHOST *
****
IO EHOST /MVSHOST 79.257/01:11:41.57 INBOUND
TH=1D00A001400100000003 RH=838100 ********IPR************
BUF VTAM /MVSHOST 79.257/01:11:41.58 INBOUND
VTAM TH=1D00A001400100000003 RH=838100
IO EHOST /MVSHOST 79.257/01:11:41.70 INBOUND
TH=1C00A001400100140006 RH=8E8000 RU=81864B ******+RSP CDCINIT******
BUF VTAM /MVSHOST 79.257/01:11:41.71 INBOUND
VTAM TH=1C00A001400100140006 RH=8E8000
81864B AF.

```
*-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
  V
DOMN 1
┌─────┐
|     |
|     |                    **NOTE:*************************************************************
|     |                    * ...ANOTHER BLOCK OF DATA TO LU 2                                  *
|     |                    *********************************************************************
|     |
|     | USRFD FEF ASCB 00FEE270  JOBN APPL
|     |            BUFF     T0103504/MVSAPPL     LRC(000,000)     OUTBOUND
|     |            VTAM        TH=1C00A080 40050003 004D  RH= 0381C0
|     |                                     F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|     |                                     E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F2115CF0  *UTO ECHO MODE 002.*0*
|     |                                     1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|     |                                     C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|     |           TIME     69182.600793
|     | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A080 40050003 004D0381 C0F5F111 40401D60
|     |           TIME     69182.603971
|     |
|     |                    **NOTE:*************************************************************
|     |                    * NEXT COMMAND IS BIND FROM MVSAPPL TO LU 1 (NOT SEEN BY VTAME)      *
|     |                    *********************************************************************
|     |
|     | USRFD FEF ASCB 00FEE270  JOBN APPL
|     |            BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
|     |            VTAM        TH=1D00A07F 40050001 0027  RH= 6B8000
|     |                                     31010303 B1903080 000187F8 02000200 00000000  *.........G8........*
|     |                                     18500000 7E000007 D4E5E2C1 D7D7D300           *.&..=...MVSAPPL.     *
|     |           TIME     69182.840054
|     | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A07F 40050001 00276B80 00310103 03B19030 *****    BIND    *****
|     |           TIME     69182.842793
|     |
|     |                    **NOTE:*************************************************************
|     |                    * ...+RSP TO DATA FROM LU 2                                         *
|     |                    *********************************************************************
|     |
|     | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800003 00038301 00
|     |           TIME     69183.523700
|     | USRFD FEF ASCB 00FEE270  JOBN APPL
|     |            BUFF     MVSAPPL /T0103504    LRC(000,000)     INBOUND
|     |            VTAM        TH=1D004005 A0800003 0003  RH= 830100
|     |           TIME     69183.530595
|     | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A0800003 00038380 00
|     |           TIME     69183.929060
|     | USRFD FEF ASCB 00FEE270  JOBN APPL
|     |            BUFF     MVSAPPL /T0103504    LRC(000,000)     INBOUND
|     |            VTAM        TH=1C004005 A0800003 0003  RH= 838000
|     |           TIME     69183.949302
|     |
|     |                    **NOTE:*************************************************************
|     |                    * RESPONSE TO BIND FROM IU1 FOLLOWED BY SDT                          *
|     |                    *********************************************************************
|     |
```

```
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A07F0001 0004EB80 0031            *****   BIND +RSP   *****
|     |            TIME    69184.120179
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF     MVSAPPL /T0103503    LRC(000,000)    INBOUND
|     |             VTAM       TH=1D004005 A07F0001 0004  RH= EB8000
|     |                                     31                                          *.                  *
|     |            TIME    69184.127084
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF     T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
|     |             VTAM       TH=1D00A07F 4CC50002 0004  RH= 6B8000
|     |                                     A0                                          *.                  *
|     |            TIME    69184.188391
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A07F 40050002 00046B80 00A0            ***START DATA TRAFFIC***
|     |            TIME    69184.191129
|     |
|     |                       **NOTE:*************************************************************
|     |                       * NEXT COMMAND OUT IS CDSESSST TO DOMAIN 2 FOR LU1                    *
|     |                       *************************************************************************
|     |
|     |  USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|     |             BUFF     EHOST   /VTAM        LRC(000,000)    OUTBOUND
|     |             VTAM       TH=1C00A001 40C1000B 0014  RH= 0B8100
|     |                                     818646A0 01EF7A48 C79F3000 074005A0 7F        *AF....:.G.... .."   *
|     |            TIME    69184.237417
|     |  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C00A001 4001000B 00140B81 00818646 A001EF7A ****    CDSESSST    ****
|     |            TIME    69184.240143
|_____|
  V
  *------>>>>>------>>>>>------>>>>>------>>>>>------>>>>>------>>>>>------>>>>>------>>>>>------>>>>>------>>>>>-----*
                                                                                                                    V
                                                                                                                  DOMN 2
                                                                                                                 ,-----.
                                                                                                                 |     |
                                                                                                                 |     |
                       **NOTE:*************************************************************                      |     |
                       *     RECEIVE CDSESSST FROM MVSHOST - SEND IPR - SEND +RSP  TO CDSESSST*                 |     |
                       *************************************************************************                |     |
                                                                                                                 |     |
                                                                                                                 |     |
    IO      EHOST   /MVSHOST    79.257/01:11:43.59              INBOUND                                         |     |
               TH=1C00A0014001000B0014    RH=0B8100   RU=818646A001EF7A                  ******CDSESSST*********  |     |
    BUF     VTAM    /MVSHOST    79.257/01:11:43.59              INBOUND                                         |     |
     VTAM      TH=1C00A0014001000B0014    RH=0E8100                                                           |     |
            818646A0  01EF7A48  C79F3000  074005A0  7F                          AF....:.G.... .."              |     |
    BUF     MVSHOST /VTAM       79.257/01:11:43.64              OUTBOUND                                        |     |
     VTAM      TH=1D004001A00100000003    RH=838100                                                           |     |
    IO      MVSHOST /EHOST      79.257/01:11:43.65              OUTBOUND                                        |     |
               TH=1D004001A00100000003    RH=838100                  **********IPR**********                  |     |
    BUF     MVSHOST /VTAM       79.257/01:11:43.71              OUTBOUND                                        |     |
     VTAM      TH=1C004001A001000B0006    RH=8B8000                                                           |     |
            818646                                                  AF.                                         |     |
    IO      MVSHOST /EHOST      79.257/01:11:43.73              OUTBOUND                                        |     |
               TH=1C004001A001000B0006    RH=8B8000   RU=818646          ******+RSP  CDSESSST****              |     |
```


NOTE:********
* OPERATOR INQUIRES ON STATUS OF MVSAPPL. *
****
==> D NET,ID=MVSAPPL,E
F3 07 5A97I DISPLAY ACCEPTED
F3 07 5A75I VTAM DISPLAY - NODE TYPE= CDRSC
F3 07 5E86I NAME = MVSAPPL , STATUS = ACTIV
F3 07 5E79I CDRM NAME = MVSHOST
F3 07 5B71I ACTIVE SESSIONS = 0002 SESSION REQUESTS = 0000
F3 07 5C06I SESSIONS:
F3 07 5G34I NAME STATUS SESS ID SEND RECV
F3 07 5G35I T0103504 ACTIV-SEC 4005A080
F3 07 5G35I T0103503 ACTIV-SEC 4005A07F
F3 07 5D14I END
DOMN 1
NOTE:********
* +RSP TO SIT FROM DOMAIN 2 *
****
RNIO ASCB 00FEE270 CPU 0000 JOBN APPL IN 1D004005 A07F0002 0004EB80 00A0 **** SDT +RSP ****
TIME 69184.921949
USRFD FEF ASCB 00FEE270 JOBN APPL
BUFF MVSAPPL /T0103503 LRC(000,000) INBOUND
VTAM TH=1D004005 A07F0002 0004 RH= EB8000
A0 *. *
TIME 69184.930852
NOTE:********
* DOMAIN 1 OPERATOR IS NOTIFIED OF THE LOGON OF LU1 IN DOMAIN 2 *
****
19.13.05 STC 6 +***MVSAPPL : T0103503 LOGON SUCCESSFUL

```
                          **NOTE:*************************************************************
                          *                                                                   *
                          *   THE NEXT SEVERAL PAGES SHOW THE DATA FLOW OF NORMAL DATA TRAFFIC  *
                          *   BETWEEN THE TERMINAL AND THE APPLICATION.  THE NEXT SYSTEM FLOW   *
                          *   TRACE EXAMPLE IS ON PAGE 175.                                   *
                          *                                                                   *
                          *********************************************************************

DOMN 1
┌────┐
│    │                     **NCTE:*************************************************************
│    │                     *   FIRST DATA BLCCK TO LU 1                                      *
│    │                     *********************************************************************
│    │
│    │ USRFD FF1 ASCB 00FEE270  JCBN APPL
│    │            BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
│    │                      USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
│    │                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F0115CF0  *UTO ECHO MODE 000.*0*
│    │                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
│    │                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
│    │           TIME    69184.984228
│    │ USRFD FEF ASCB 00FEE270  JOBN APPL
│    │            BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
│    │            VTAM       TH=1C00A07F 40050001 004D  RH= 0381C0
│    │                                            F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
│    │                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F0115CF0  *UTO ECHO MODE 000.*0*
│    │                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
│    │                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
│    │           TIME    69184.993829
│    │ RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 40050001 004D0381 C0F5F111 40401D60
│    │           TIME    69184.996953
│    │
│    │                     **NOTE:*************************************************************
│    │                     * PACE RESP FRCM DOMAIN TWO                                       *
│    │                     *********************************************************************
│    │
│    │ RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 A0010000 00038381 00
│    │           TIME    69185.035838
│    │ USRFD FEF ASCB 00FF95E8  JOBN VTAMG
│    │            BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
│    │            VTAM       TH=1D004001 A0010000 0003  RH= 838100
│    │           TIME    69185.039598
│    │
│    │                     **NOTE:*************************************************************
│    │                     * NEXT BLOCK OF DATA TO LU2                                       *
│    │                     *********************************************************************
│    │
│    │ USRFD FF1 ASCB 00FEE270  JOBN APPL
│    │            BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
│    │                      USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
│    │                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F3115CF0  *UTO ECHO MODE 003.*0*
│    │                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
│    │                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
│    │           TIME    69185.202809
│    │ USRFD FEF ASCB 00FEE270  JOBN APPL
```

```
          BUFF     T0103504/MVSAPPL     LRC(000,000)     OUTBOUND
          VTAM        TH=1C00A080 40C50004 004D  RH= 0380C0
                                           F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F3115CF0  *UTO ECHO MODE 003.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME     69185.214677
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          OUT 1C00A080 40050004 004D0380 C0F5F111 40401D60
          TIME     69185.217332

                     **NOTE:*************************************************************
                     * 'CDSESSST' RESP FROM DOMAIN TWO                                   *
                     ********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG          IN 1C004001 A001000B 00068B80 00818646          ****   CDSESSST +RSP    ****
          TIME     69185.247170
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
          BUFF     VTAM    /EHOST       LRC(000,000)     INBOUND
          VTAM        TH=1C0040C1 A001000B 0006  RH= 8B8000
                                           818646                                    *AF.                  *
          TIME     69185.250389

                     **NOTE:*************************************************************
                     * LU1 RESP TO MVSAPPL TO PACE THEN TO DATA                          *
                     ************************************************************************

USRFD FEF ASCB 00FEE270  JOBN APPL
          BUFF     MVSAPPL /T0103503    LRC(000,000)     INBOUND
          VTAM        TH=1D004005 A07F0001 0003  RH= 830100
          TIME     69186.152817
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0001 00038380 00
          TIME     69186.575722
USRFD FEF ASCB 00FEE270  JOBN APPL
          BUFF     MVSAPPL /T0103503    LRC(000,000)     INBOUND
          VTAM        TH=1C004005 A07F0001 0003  RH= 838000
          TIME     69186.579178

                     **NOTE:*************************************************************
                     * NEXT BLOCK OF DATA TO LU1                                         *
                     ************************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPI
          BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
                     USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F1115CF0  *UTO ECHO MODE 001.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME     69186.596307
USRFD FEF ASCB 00FEE270  JOBN APPL
          BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
          VTAM        TH=1C00A07F 40C50002 004D  RH= 0380C0
                                           F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F1115CF0  *UTO ECHO MODE 001.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
```

```
                                        C1E4E3D6 40C5C3C8 D640D4D6 C4C5              *AUTO ECHO MODE      *
          TIME    69186.605544
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 40050002 004D0380 C0F5F111 40401D60
          TIME    69186.608148

                    **NOTE:*************************************************************
                    * LU 2 RESP TO DATA                                                 *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C0040C5 A0800C04 00038380 00
          TIME    69186.637120
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM       TH=1C004005 A0800004 0003  RH= 838000
          TIME    69186.641169

                    **NOTE:*************************************************************
                    * NEXT BLOCK OF DATA TO LU2                                         *
                    *********************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
                     USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F4115CF0  *UTO ECHO MODE 004.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69186.658137
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM       TH=1C00A080 40050005 004D  RH= 0381C0
                                           F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F4115CF0  *UTO ECHO MODE 004.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69186.679658
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A080 40050005 004D0381 C0F5F111 40401D60
          TIME    69186.682174


                    **NOTE:*************************************************************
                    * LU1 RESP TO DATA                                                  *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0C02 00038380 00
          TIME    69188.121375
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
           VTAM       TH=1C004005 AC7F0002 0003  RH= 838000
          TIME    69188.128213

                    **NOTE:*************************************************************
                    * NEXT BLOCK OF DATA TO LU1                                         *
                    *********************************************************************
```

```
USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
                      USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F2115CF0  *UTO ECHO MODE 002.*0*
                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
           TIME     69188.150629

*** DATE   DAY 257    YEAR 1979            TIME 00.13.08.016463                                                    ***
USRFD FEF ASCB 00FEE270  JCBN APPL
           BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
           VTAM       TH=1C00A07F 40050003 004D  RH= 0381C0
                                            F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F2115CF0  *UTO ECHO MODE 002.*0*
                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
           TIME     69188.160771
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 40050003 004D0381 C0F5F111 40401D60
           TIME     69188.163430

                     **NOTE:*********************************************************************
                     * RESP FROM LU2                                                             *
                     *****************************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800005 00038301 00
           TIME     69188.256511
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103504    LRC(000,000)     INBOUND
           VTAM       TH=1D004005 A0800005 0003  RH= 830100
           TIME     69188.260021
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A0800005 00038380 00
           TIME     69188.622290
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103504    LRC(000,000)     INBOUND
           VTAM       TH=1C004005 A0800005 0003  RH= 838000
           TIME     69188.628387

                     **NOTE:*********************************************************************
                     * NEXT BLOCK OF DATA TO LU2 ( NOTE PIU SEQ AND NUMBER IN TEXT...            *
                     * PIU SEQ = 6, MSG NR = 5 ( REL TO ZERO ) )                                 *
                     *****************************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF     T0103504/MVSAPPL     LRC(000,000)     OUTBOUND
                      USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F5115CF0  *UTO ECHO MODE 005.*0*
                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
           TIME     69188.652309
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     T0103504/MVSAPPL     LRC(000,000)     OUTBOUND
           VTAM       TH=1C00A080 40050006 004D  RH= 0380C0
                                            F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F5115CF0  *UTO ECHO MODE 005.*0*
```

```
                                        1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                        C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69188.688940
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A080 40050006 004D0380 C0F5F111 40401D60
          TIME    69188.692995

                    **NOTE:*************************************************************
                    * RESP FROM LU1 - NOTE PACE RESP THEN +RSP                          *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A07F0003 00038301 00
          TIME    69189.161127
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103503    LRC(000,000)    INBOUND
           VTAM        TH=1D004005 A07F0003 0003  RH= 830100
          TIME    69189.167318
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0003 00038380 00
          TIME    69189.422063
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103503    LRC(000,000)    INBOUND
           VTAM        TH=1C004005 A07F0003 0003  RH= 838000
          TIME    69189.429606

                    **NOTE:*************************************************************
                    * NEXT BLOCK OF DATA TO LU1                                         *
                    *********************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF     T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
                      USER                 F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F3115CF0  *UTO ECHO MODE 003.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69189.452029
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM        TH=1C00A07F 40050004 004D  RH= 0380C0
                                           F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F3115CF0  *UTO ECHO MODE 003.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69189.460819
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 40050004 004D0380 C0F5F111 40401D60
          TIME    69189.463391

                    **NOTE:*************************************************************
                    * LU2 RESP                                                          *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A0800006 00038380 00
          TIME    69189.988263
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM        TH=1C004005 A0800006 0003  RH= 838000
```

```
          TIME    69189.991660

                  **NOTE:*************************************************************
                  * NEXT DATA TO LU2                                                  *
                  *********************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
             USER                       F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                        E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F6115CF0  *UTO ECHO MODE 006.*0*
                                        1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                        C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69190.017865
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM       TH=1C00A080 40C50007 004D  RH= 0381C0
                                        F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                        E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F6115CF0  *UTO ECHO MODE 006.*0*
                                        1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                        C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69190.029209
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A080 40050007 004D0381 C0F5F111 40401D60
          TIME    69190.031774

                  **NOTE:*************************************************************
                  * LU1 RESP TO DATA                                                  *
                  *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0004 00038380 00
          TIME    69190.423625
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
           VTAM       TH=1C004005 A07F0004 0003  RH= 838000
          TIME    69190.430243

                  **NOTE:*************************************************************
                  * NEXT BLOCK TO LU1                                                 *
                  *********************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
             USER                       F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                        E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F4115CF0  *UTO ECHO MODE 004.*0*
                                        1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                        C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69190.452795
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM       TH=1C00A07F 40C50005 004D  RH= 0381C0
                                        F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                        E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F4115CF0  *UTO ECHO MODE 004.*0*
                                        1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                        C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69190.461576
```

```
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 40050005 004D0381 C0F5F111 40401D60
          TIME    69190.464168

                  **NOTE:*************************************************************
                  * PACE RESP FROM LU2 AND +RSP TO DATA                               *
                  ************************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800007 00038301 00
          TIME    69191.121664
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM       TH=1D004005 A0800007 0003  RH= 830100
          TIME    69191.127814
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A0800007 00038380 00
          TIME    69191.321522
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM       TH=1C004005 A0800007 0003  RH= 838000
          TIME    69191.327674

                  **NOTE:*************************************************************
                  * BLOCK NR 8 TC LU2                                                 *
                  ************************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
                     USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F7115CF0  *UTO ECHO MODE 007.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69191.359790
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM       TH=1C00A080 40050008 004D  RH= 0380C0
                                           F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F7115CF0  *UTO ECHO MODE 007.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69191.368566
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A080 40050008 004D0380 C0F5F111 40401D60
          TIME    69191.371146

                  **NOTE:*************************************************************
                  * PACE RSP FROM LU1 AND +RSP TO DATA                                *
                  ************************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A07F0005 00038301 00
          TIME    69191.399513
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
           VTAM       TH=1D004005 A07F0005 0003  RH= 830100
          TIME    69191.402359
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0005 00038380 00
          TIME    69191.821839
```

```
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103503    LRC(000,000)     INBOUND
           VTAM        TH=1C004005 A07F0005 0003  RH= 838000
          TIME    69191.827953

                    **NOTE:*************************************************************
                    * BLOCK NR 6 TC LU1                                                 *
                    *********************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
                      USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F5115CF0  *UTO ECHO MODE 005.*0*
                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69191.850415
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
           VTAM        TH=1C00A07F 40050006 004D  RH= 0380C0
                                            F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F5115CF0  *UTO ECHO MODE 005.*0*
                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69191.859155
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 40050006 004D0380 C0F5F111 40401D60
          TIME    69191.861743

                    **NOTE:*************************************************************
                    * + RSP FROM LU2 TO BLOCK 8 AND BLOCK 9 GOES OUT                    *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A0800008 00038380 00
          TIME    69192.514809
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103504    LRC(000,000)     INBOUND
           VTAM        TH=1C004005 A0800008 0003  RH= 838000
          TIME    69192.520902
USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF     T0103504/MVSAPPL     LRC(000,000)     OUTBOUND
                      USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F8115CF0  *UTO ECHO MODE 008.*0*
                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69192.560893
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     T0103504/MVSAPPL     LRC(000,000)     OUTBOUND
           VTAM        TH=1C00A080 40050009 004D  RH= 0381C0
                                            F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F8115CF0  *UTO ECHO MODE 008.*0*
                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69192.569726
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A080 40050009 004D0381 C0F5F111 40401D60
          TIME    69192.572517
```

```
                    **NOTE:*************************************************************
                    * +RSP TO DATA FROM LU1 AND BLOCK NR 7 GOES OUT                     *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0006 00038380 00
          TIME    69193.021659
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103503    LRC(000,000)    INBOUND
           VTAM        TH=1C004005 A07F0006 0003  RH= 838000
          TIME    69193.027809

*** DATE   DAY 257    YEAR 1979            TIME 00.13.12.916767                                                    ***
USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF     T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
             USER                        F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                         E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F6115CF0  *UTO ECHO MODE 006.*0*
                                         1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                         C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69193.050219
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM        TH=1C00A07F 40050007 004D  RH= 0381C0
                                         F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                         E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F6115CF0  *UTO ECHO MODE 006.*0*
                                         1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                         C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69193.102701
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL       OUT 1C00A07F 40050007 004D0381 C0F5F111 40401D60
          TIME    69193.105358

                    **NOTE:*************************************************************
                    * LU2 +RSP TO PACE, +RSP TO NR 9                                    *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800009 00038301 00
          TIME    69193.821713
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM        TH=1D004005 A0800009 0003  RH= 830100
          TIME    69193.828564
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A0800009 00038380 00
          TIME    69194.265432
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF     MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM        TH=1C004005 A0800009 0003  RH= 838000
          TIME    69194.275150

                    **NOTE:*************************************************************
                    * LU1 RSP TO PACE                                                   *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A07F0007 00038301 00
          TIME    69194.287314
USRFD FEF ASCB 00FEE270  JOBN APPL
```

```
|     |             BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
|     |             VTAM       TH=1D004005 A07F0007 0003  RH= 830100
|     |            TIME    69194.290160
|     |
|     |                        **NOTE:*************************************************************
|     |                        * BLOCK NR 10 TO LU2                                               *
|     |                        *********************************************************************
|     |
|     |  USRFD FF1 ASCB 00FEE270  JOBN APPL
|     |             BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
|     |                       USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|     |                                             E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F9115CF0  *UTO ECHO MODE 009.*0*
|     |                                             1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|     |                                             C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|     |            TIME    69194.305943
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
|     |             VTAM       TH=1C00A080 4005000A 004D  RH= 0380C0
|     |                                             F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|     |                                             E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F9115CF0  *UTO ECHO MODE 009.*0*
|     |                                             1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|     |                                             C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|     |            TIME    69194.314666
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A080 4005000A 004D0380 C0F5F111 40401D60
|     |            TIME    69194.317233
|     |
|     |                        **NOTE:*************************************************************
|     |                        * LU1 +RSP TO BLOCK NR 7                                           *
|     |                        *********************************************************************
|     |
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0007 00038380 00
|     |            TIME    69195.743191
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
|     |             VTAM       TH=1C004005 A07F0007 0003  RH= 838000
|     |            TIME    69195.981406
|     |
|     |                        **NOTE:*************************************************************
|     |                        * LU2 +RSP TO NR 10                                                *
|     |                        *********************************************************************
|     |
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A080000A 00038380 00
|     |            TIME    69196.136428
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
|     |             VTAM       TH=1C004005 A080000A 0003  RH= 838000
|     |            TIME    69196.141297
|     |
|     |                        **NOTE:*************************************************************
|     |                        * DATA BLOCK NR 8 TO LU1                                           *
|     |                        *********************************************************************
|     |
|     |  USRFD FF1 ASCB 00FEE270  JOBN APPL
```

```
             BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
               USER                   F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                      E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F7115CF0  *UTO ECHO MODE 007.*0*
                                      1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                      C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
           TIME    69196.212971
USRFD FEF ASCB 00FEE270  JOBN APPL
             BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
             VTAM       TH=1C00A07F 40050008 004D  RH= 0380C0
                                      F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                      E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F7115CF0  *UTO ECHO MODE 007.*0*
                                      1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                      C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
           TIME    69196.225898
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 40050008 004D0380 C0F5F111 40401D60
           TIME    69196.229484

                    **NOTE:*************************************************************
                    * BLOCK NR 11 TO LU2                                                *
                    *********************************************************************

USRFD FF1 ASCB 00FEE270  JOBN APPL
             BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
               USER                   F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                      E4E3D640 C5C3C8D6 40D4D6C4 C540F0F1 F0115CF0  *UTO ECHO MODE 010.*0*
                                      1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                      C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
           TIME    69196.268440
USRFD FEF ASCB 00FEE270  JOBN APPL
             BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
             VTAM       TH=1C00A080 4005000B 004D  RH= 0381C0
                                      F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                      E4E3D640 C5C3C8D6 40D4D6C4 C540F0F1 F0115CF0  *UTO ECHO MODE 010.*0*
                                      1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                      C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
           TIME    69196.278931
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A080 4005000B 004D0381 C0F5F111 40401D60
           TIME    69196.281395

                    **NOTE:*************************************************************
                    * LU1 +RSP TO BLOCK NR 8                                            *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0008 00038380 00
           TIME    69197.968355
USRFD FEF ASCB 00FEE270  JOBN APPL
             BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
             VTAM       TH=1C004005 A07F0008 0003  RH= 838000
           TIME    69197.971998

                    **NOTE:*************************************************************
                    * LU2 +RSP TO PACE                                                  *
                    *********************************************************************
```

```
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A080000B 00038301 00
          TIME    69197.980422
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM       TH=1D004005 A080000B 0003  RH= 830100
          TIME    69197.983273

                    **NOTE:*************************************************************
                    * BLOCK NR 9 TC LU1                                                 *
                    *********************************************************************


USRFD FF1 ASCB 00FEE270  JOBN APPL
           BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
                     USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F8115CF0  *UTO ECHO MODE 008.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69197.996512
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM       TH=1C00A07F 40C50009 004D  RH= 0381C0
                                           F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
                                           E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F8115CF0  *UTO ECHO MODE 008.*0*
                                           1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
                                           C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
          TIME    69198.037706
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL        OUT 1C00A07F 40050009 004D0381 C0F5F111 40401D60
          TIME    69198.041398

                    **NOTE:*************************************************************
                    * LU2 OPERATOR HITS ATTENTION KEY AT THIS POINT TO STOP AUTO ECHO   *
                    * MVSAPPL GIVES +RSP        ... C9 COMMAND IS 'SIGNAL' ...          *
                    *********************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800000 00084B80 00C90001 0000
          TIME    69198.525465
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
           VTAM       TH=1D004005 A0800000 0008  RH= 4B8000
                                           C9000100 00                                   *I....               *
          TIME    69198.533407
USRFD FEF ASCB 00FEE270  JOBN APPL
           BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
           VTAM       TH=1D00A080 40050000 0004  RH= CB8000
                                           C9                                            *I                   *
          TIME    69198.560660
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL        OUT 1D00A080 40050000 0004CB80 00C9
          TIME    69198.563246

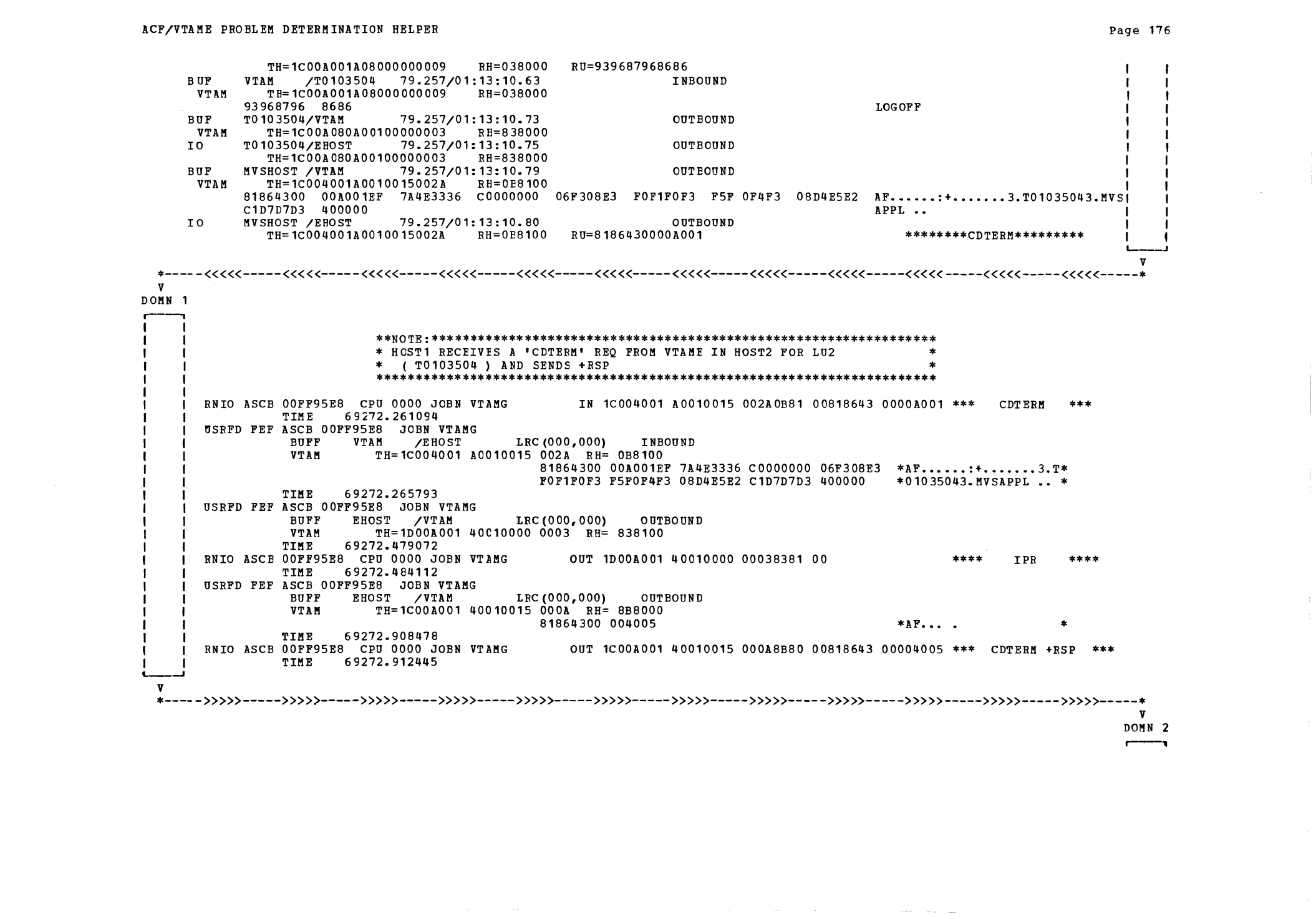
                    **NOTE:*************************************************************
                    * NEXT IS RESP TO BLOCK NR 11                                       *
                    *********************************************************************
```

```
|  |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A080000B 00038380 00
|  |            TIME    69198.591798
|  |  USRFD FEF ASCB 00FEE270  JOBN APPL
|  |             BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
|  |             VTAM       TH=1C004005 A080000E 0003  RH= 838000
|  |            TIME    69198.594646
|  |
|  |                        **NOTE:*************************************************************
|  |                        * LU1 +RSP TO PACE THEN +RSP TO BLOCK NR 9                          *
|  |                        *********************************************************************
|  |
|  |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A07F0009 00038301 00
|  |            TIME    69199.023412
|  |  USRFD FEF ASCB 00FEE270  JOBN APPL
|  |             BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
|  |             VTAM       TH=1D004005 A07F0009 0003  RH= 830100
|  |            TIME    69199.030265
|  |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F0009 00038380 00
|  |            TIME    69199.443532
|  |  USRFD FEF ASCB 00FEE270  JOBN APPL
|  |             BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
|  |             VTAM       TH=1C004005 A07F0009 0003  RH= 838000
|  |            TIME    69199.450395
|  |
|  |                        **NOTE:*************************************************************
|  |                        * BLOCK NR 10 TO LU1                                               *
|  |                        *********************************************************************
|  |
|  |  USRFD FF1 ASCB 00FEE270  JOBN APPL
|  |             BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
|  |                       USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|  |                                             E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F9115CF0  *UTO ECHO MODE 009.*0*
|  |                                             1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|  |                                             C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|  |            TIME    69199.473595
|  |  USRFD FEF ASCB 00FEE270  JOBN APPL
|  |             BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
|  |             VTAM       TH=1C00A07F 40C5000A 004D  RH= 0380C0
|  |                                             F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|  |                                             E4E3D640 C5C3C8D6 40D4D6C4 C540F0F0 F9115CF0  *UTO ECHO MODE 009.*0*
|  |                                             1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|  |                                             C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|  |            TIME    69199.482332
|  |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL       OUT 1C00A07F 4005000A 004D0380 C0F5F111 40401D60
|  |            TIME    69199.484922
|  |
|  |                        **NOTE:*************************************************************
|  |                        * IU2 OPERATOR AGAIN HITS ATTN KEY                                 *
|  |                        *********************************************************************
|  |
|  |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800000 00084B80 00C90001 0000
|  |            TIME    69199.514925
|  |  USRFD FEF ASCB 00FEE270  JOBN APPL
|  |             BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
```

```
|  |            VTAM       TH=1D004005 A0800000 0008  RH= 4B8000
|  |                                    C9000100 00                                    *I....               *
|  |           TIME    69199.517783
|  | USRFD FEF ASCB 00FEE270  JOBN APPL
|  |            BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
|  |            VTAM       TH=1D00A080 40C50000 0004  RH= CB8000
|  |                                    C9                                             *I                   *
|  |           TIME    69199.531872
|  | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A080 40050000 0004CB80 00C9
|  |           TIME    69199.534790
|  |
|  |                       **NOTE:*************************************************************
|  |                       * LU1 +RSP TO BLOCK NR 10, BLOCK NR 11 GOES OUT                     *
|  |                       *********************************************************************
|  |
|  | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F000A 00038380 00
|  |           TIME    69200.632815
|  | USRFD FEF ASCB 00FEE270  JOBN APPL
|  |            BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
|  |            VTAM       TH=1C004005 A07F000A 0003  RH= 838000
|  |           TIME    69200.639636
|  | USRFD FF1 ASCB 00FEE270  JOBN APPL
|  |            BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
|  |                      USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|  |                                            E4E3D640 C5C3C8D6 40D4D6C4 C540F0F1 F0115CF0  *UTO ECHO MODE 010.*0*
|  |                                            1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|  |                                            C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|  |           TIME    69200.700483
|  |
|  | *** DATE   DAY 257    YEAR 1979            TIME 00.13.20.574989                                                  ***
|  | USRFD FEF ASCB 00FEE270  JOBN APPL
|  |            BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
|  |            VTAM       TH=1C00A07F 4005000B 004D  RH= 0381C0
|  |                                    F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|  |                                    E4E3D640 C5C3C8D6 40D4D6C4 C540F0F1 F0115CF0  *UTO ECHO MODE 010.*0*
|  |                                    1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|  |                                    C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|  |           TIME    69200.709367
|  | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 4005000B 004D0381 C0F5F111 40401D60
|  |           TIME    69200.735633
|  |
|  |                       **NOTE:*************************************************************
|  |                       * PACE RSP AND +RSP TO BLOCK NR 11                                  *
|  |                       *********************************************************************
|  |
|  | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A07F000B 00038301 00
|  |           TIME    69202.023516
|  | USRFD FEF ASCB 00FEE270  JOBN APPL
|  |            BUFF    MVSAPPL /T0103503    LRC(000,000)    INBOUND
|  |            VTAM       TH=1D004005 AC7F000B 0003  RH= 830100
|  |           TIME    69202.030998
|  | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F000B 00038380 00
|  |           TIME    69202.224498
|  | USRFD FEF ASCB 00FEE270  JOBN APPL
```

```
|     |             BUFF     MVSAPPL /T0103503    LRC(000,000)     INBOUND
|     |             VTAM       TH=1C004005 A07F000B 0003  RH= 838000
|     |            TIME     69202.231329
|     |
|     |                        **NOTE:*************************************************************
|     |                        * BLOCK NR 12 GOES OUT TO LU1                                       *
|     |                        *********************************************************************
|     |
|     |  USRFD FF1 ASCB 00FEE270  JOBN APPL
|     |             BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
|     |                       USER                  F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|     |                                             E4E3D640 C5C3C8D6 40D4D6C4 C540F0F1 F1115CF0  *UTO ECHO MODE 011.*0*
|     |                                             1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|     |                                             C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|     |            TIME     69202.290869
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
|     |             VTAM       TH=1C00A07F 40C5000C 004D  RH= 0380C0
|     |                                             F5F11140 401D60D4 E5E2C1D7 D7D34040 C9D540C1  *51.  .-MVSAPPL  IN A*
|     |                                             E4E3D640 C5C3C8D6 40D4D6C4 C540F0F1 F1115CF0  *UTO ECHO MODE 011.*0*
|     |                                             1D60D7D9 C5E2E240 C1E3E3D5 40E3D640 C5D5C440  *.-PRESS ATTN TO END *
|     |                                             C1E4E3D6 40C5C3C8 D640D4D6 C4C5               *AUTO ECHO MODE      *
|     |            TIME     69202.303775
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1C00A07F 4005000C 004D0380 C0F5F111 40401D60
|     |            TIME     69202.307329
|     |
|     |
|     |                        **NOTE:*************************************************************
|     |                        * NOW OPERATOR OF LU1 HITS ATTN KEY AND MVSAPPL SENDS +RSP          *
|     |                        *********************************************************************
|     |
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A07F0000 00084B80 00C90001 0000
|     |            TIME     69203.445842
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF     MVSAPPL /T0103503    LRC(000,000)     INBOUND
|     |             VTAM       TH=1D004005 A07F0000 0008  RH= 4B8000
|     |                                             C9000100 00                                   *I....               *
|     |            TIME     69203.452666
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF     T0103503/MVSAPPL     LRC(000,000)     OUTBOUND
|     |             VTAM       TH=1D00A07F 40C50000 0004  RH= CB8000
|     |                                             C9                                            *I                   *
|     |            TIME     69203.471013
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A07F 40050000 0004CB80 00C9
|     |            TIME     69203.473603
|     |
|     |                        **NOTE:*************************************************************
|     |                        * +RSP FROM LU1 FOR BLOCK NR 12 THEN OPERATOR HIT ATTN KEY AGAIN    *
|     |                        *********************************************************************
|     |
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1C004005 A07F000C 00038380 00
|     |            TIME     69203.598791
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF     MVSAPPL /T0103503    LRC(000,000)     INBOUND
```

```
|     |            VTAM       TH=1C004005 A07F000C 0003  RH= 838000
|     |           TIME    69203.602282
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A07F0000 00084B80 00C90001 0000
|     |           TIME    69209.877684
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |            BUFF     MVSAPPL /T0103503     LRC(000,000)    INBOUND
|     |            VTAM       TH=1D004005 A07F0000 0008  RH= 4B8000
|     |                                         C9000100 00                          *I....             *
|     |           TIME    69209.945965
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |            BUFF     T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
|     |            VTAM       TH=1D00A07F 40050000 0004  RH= CB8000
|     |                                         C9                                   *I                 *
|     |           TIME    69209.964488
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A07F 40050000 0004CB80 00C9
|     |           TIME    69209.967599
|     |
|     |                      **NOTE:*********************************************************************
|     |                      * AT THIS PCINT DOMAIN 1 OPERATOR ISSUES A DISPLAY FOR MVSAPPL. NOTE   *
|     |                      * THE SEND COUNTS IN THE DISPLAY TEXT - IT AGREES WITH THE NUMBER OF   *
|     |                      * MSGS TRANSMITTED.                                                    *
|     |                      ***********************************************************************
|     |
|     |
|     |  ==> D NET,E,ID=MVSAPPL
|     |  19.13.50 STC    5  IST097I  DISPLAY  ACCEPTED
|     |  19.13.51 STC    5  IEE932I 735
|     |   IST075I  VTAM DISPLAY - NODE TYPE= APPL
|     |   IST486I  NAME = MVSAPPL  , STATUS = ACTIV
|     |   IST654I  I/O TRACE= ON  ,BUFFER TRACE= ON
|     |   IST271I  JOBNAME = APPL     STEPNAME = APPL
|     |   IST171I  ACTIVE SESSIONS = 0002 SESSION REQUESTS = 0000
|     |   IST206I  SESSIONS:
|     |   IST634I  NAME     STATUS      SESS ID  SEND RECV
|     |   IST635I  T0103504 ACTIV-SEC  4005A080 000B 0000
|     |   IST635I  T0103503 ACTIV-SEC  4005A07F 000C 0000
|     |   IST314I  END
|     |
|     |
|_____|
  V
 *----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                                              V
                                                                                                                           DOMN 2
                                                                                                                           ______
                                                                                                                           |    |
                                                                                                                           |    |
                     **NOTE:*********************************************************************                         |    |
                     *  OPERATOR AT T0103504 ENTERS A SYSREQ LOGOFF. VTAME SENDS +RSP TO     *                         |    |
                     *  TERMINAL, THEN GENERATES A CDTERM TO HOST 2 (MVSHOST).               *                         |    |
                     ***********************************************************************                         |    |
                                                                                                                           |    |
                                                                                                                           |    |
   IO     EHOST    /T0103504    79.257/01:13:10.63              INBOUND                                                    |    |
```


TH=1C00A001A08000000009 RH=038000 RU=939687968686
BUF VTAM /T0103504 79.257/01:13:10.63 INBOUND
VTAM TH=1C00A001A08000000009 RH=038000
93968796 8686 LOGOFF
BUF T0103504/VTAM 79.257/01:13:10.73 OUTBOUND
VTAM TH=1C00A080A00100000003 RH=838000
IO T0103504/EHOST 79.257/01:13:10.75 OUTBOUND
TH=1C00A080A00100000003 RH=838000
BUF MVSHOST /VTAM 79.257/01:13:10.79 OUTBOUND
VTAM TH=1C004001A00100015002A RH=0E8100
81864300 00A001EF 7A4E3336 C0000000 06F308E3 F0F1F0F3 F5F0F4F3 08D4E5E2 AF.....:+.....3.T01035043.MVS
C1D7D7D3 400000 APPL ..
IO MVSHOST /EHOST 79.257/01:13:10.80 OUTBOUND
TH=1C004001A00100015002A RH=0E8100 RU=8186430000A001 ********CDTERM*********
DOMN 1
NOTE:********
* HOST1 RECEIVES A 'CDTERM' REQ FROM VTAME IN HOST2 FOR LU2 *
* (T0103504) AND SENDS +RSP *
****
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG IN 1C004001 A0010015 002A0B81 00818643 0000A001 *** CDTERM ***
TIME 69272.261094
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1C004001 A0010015 002A RH= 0B8100
81864300 00A001EF 7A4E3336 C0000000 06F308E3 *AF.....:+.....3.T*
F0F1F0F3 F5F0F4F3 08D4E5E2 C1D7D7D3 400000 *01035043.MVSAPPL .. *
TIME 69272.265793
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1D00A001 40010000 0003 RH= 838100
TIME 69272.479072
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG OUT 1D00A001 40010000 00038381 00 **** IPR ****
TIME 69272.484112
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1C00A001 40010015 000A RH= 8B8000
81864300 004005 *AF... . *
TIME 69272.908478
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG OUT 1C00A001 40010015 000A8B80 00818643 00004005 *** CDTERM +RSP ***
TIME 69272.912445
DOMN 2

```
                    **NOTE:*****************************************************************
                    * RECEIVE IPR FOLLOWED BY +RSP  TO CDTERM                              *
                    ************************************************************************

IO      EHOST   /MVSHOST    79.257/01:13:11.64              INBOUND
           TH=1D00A001400100000003    RH=838100                                        **********IPR**********
BUF     VTAM    /MVSHOST    79.257/01:13:11.65              INBOUND
 VTAM      TH=1D00A001400100000003    RH=838100
IO      EHOST   /MVSHOST    79.257/01:13:12.08              INBOUND
           TH=1C00A00140010015000A    RH=8E8000   RU=81864300004005                    *****+RSP CDTERM*******
BUF     VTAM    /MVSHOST    79.257/01:13:12.09              INBCUND
 VTAM      TH=1C00A00140010015000A    RH=8E8000
        81864300  004005                                         AF... .
                                                                                                       V
*-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
V
DOWN 1

                    **NOTE:*****************************************************************
                    * NEXT COMMAND IS UNBIND - MVSAPPL TO LU2 - WE SEE TWO GOING OUT DUE   *
                    * TO THE TWC ATTN KEY INTERRUPTS                                       *
                    ************************************************************************

USRFD FEF ASCB 00FEE270  JOBN APPL
          BUFF    T0103504/MVSAPPL    LRC(000,000)    OUTBOUND
          VTAM       TH=1D00A080 40C50003 0005  RH= 6B8000
                                         3201                                  *..              *
         TIME    69273.379277
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A080 40050003 00056B80 003201          ****   UNBIND    ****
         TIME    69273.383754
USRFD FEF ASCB 00FEE270  JOBN APPL
          BUFF    T0103504/MVSAPPL    LRC(000,000)    OUTBOUND
          VTAM       TH=1D00A080 4CC50004 0005  RH= 6B8000
                                         3201                                  *..              *
         TIME    69273.711937
RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A080 40050004 00056B80 003201          ****   UNBIND    ****
         TIME    69273.726000

                    **NOTE:*****************************************************************
                    * LU2 RESPONDS TO FIRST UNBIND                                         *
                    ************************************************************************

RNIO ASCB 00FEE270  CPU 0000 JOBN APPL          IN 1D004005 A0800003 0004EB80 0032            ***  UNBIND +RSP  ***
         TIME    69274.435952
USRFD FEF ASCB 00FEE270  JOBN APPL
          BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
          VTAM       TH=1D004005 A0800003 0004  RH= EB8000
                                         32                                    *.               *
         TIME    69274.442728
```

```
                        **NOTE:*************************************************************
                        * HOST1 ACF/VTAM SENDS CDSESSEND TO HOST2 ACF/VTAME                 *
                        *********************************************************************

  USRFD FEF ASCB 00FF95E8  JOBN VTAMG
             BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
             VTAM       TH=1C00A001 4001000C 0014  RH= 0B8100
                                        818648A0 01EF7A4E 3336C000 074005A0 80        *AF....:+..... ...   *
            TIME    69274.707599
  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C00A001 4001000C 00140B81 00818648 A001EF7A **** CDSESSEND ****
            TIME    69274.711558

                        **NOTE:*************************************************************
                        * ACF/VTAM SENDS INTERNAL UNBIND TO CLEAR UP CONTROL BLOCKS         *
                        *********************************************************************

  USRFD FEF ASCB 00FEE270  JOBN APPL
             BUFF    T0103504/MVSAPPL     LRC(000,000)    OUTBOUND
             VTAM       TH=1D00A080 40050005 0005  RH= 6B8000
                                        3201                                *..               *
            TIME    69274.792490
  USRFD FEF ASCB 00FEE270  JOBN APPL
             BUFF    MVSAPPL /T0103504    LRC(000,000)    INBOUND
             VTAM       TH=1D004005 A0800005 0004  RH= EB8000
                                        32                                  *.                *
            TIME    69274.795841
```

```
                        **NOTE:*************************************************************
                        *  RECEIVE CDSESSEND FROM MVSHOST                                 *
                        *********************************************************************

  IO     EHOST   /MVSHOST    79.257/01:13:13.90              INBOUND
           TH=1C00A0014001000C0014    RH=0B8100   RU=818648A001EF7A                    *******CDSESSEND*******
  BUF    VTAM    /MVSHOST    79.257/01:13:13.90              INBOUND
   VTAM     TH=1C00A0014001000C0014    RH=0B8100
         818648A0  01EF7A4E  3336C000  074005A0  80                                AF....:+..... ...

                        **NOTE:*************************************************************
                        *  SEND IPR FOLLOWED BY +RSP  TO CDSESSEND.                       *
                        *********************************************************************

  BUF    MVSHOST /VTAM       79.257/01:13:13.95              OUTBOUND
   VTAM     TH=1D004001A00100000003    RH=838100
  IO     MVSHOST /EHOST      79.257/01:13:13.96              OUTBOUND
```

DOMN 2

```
         TH=1D004001A00100000003    RH=838100                                               *********IPR***********     |    |
BUF    MVSHOST /VTAM        79.257/01:13:14.03                OUTBOUND                                                  |    |
 VTAM    TH=1C004001A001000C0006    RH=8B8000                                                                           |    |
       818648                                                                       AF.                                 |    |
IO     MVSHOST /EHOST       79.257/01:13:14.04                OUTBOUND                                                  |    |
         TH=1C004001A001000C0006    RH=8B8000   RU=818648                                   *****+RSP CDSESSEND*****    |____|
                                                                                                                          V
*-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
V
DOMN 1
 ____
|    |
|    |                  **NOTE:*************************************************************
|    |                  * +RSP FROM HOST2 FOR CDSESSEND                                    *
|    |                  ********************************************************************
|    |
|    |  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1D004001 A0010000 00038381 00            *****     IPR     *****
|    |          TIME    69275.230382
|    |  USRFD FEF ASCB 00FF95E8  JCBN VTAMG
|    |           BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
|    |           VTAM       TH=1D004001 A0010000 0003  RH= 838100
|    |          TIME    69275.235031
|    |  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 A001000C 00068B80 00818648        **** CDSESSEND +RSP ****
|    |          TIME    69275.461646
|    |  USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|    |           BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
|    |           VTAM       TH=1C004001 A001000C 0006  RH= 8B8000
|    |                                     818648                                    *AF.              *
|____|          TIME    69275.466248
V
*----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                                          V
                                                                                                                        DOMN 2
                                                                                                                         ____
                                                                                                                        |    |
                        **NOTE:*************************************************************                            |    |
                        *  OPERATOR AT T0103503 ENTERS A SYSREQ LOGOFF. VTAME SENDS +RSP TO   *                         |    |
                        *  TERMINAL, THEN GENERATES CDTERM TO HOST 2 (MVSHOST)                *                         |    |
                        ********************************************************************                            |    |
                                                                                                                        |    |
IO     VTAM    /T0103503   79.257/01:13:16.30                INBOUND                                                    |    |
         TH=1C00A001A07F00000009    RH=038000   RU=939687968686                                                         |    |
BUF    VTAM    /T0103503   79.257/01:13:16.30                INBOUND                                                    |    |
 VTAM    TH=1C00A001A07F00000009    RH=038000                                                                           |    |
       93968796  8686                                                               LOGOFF                              |    |
BUF    T0103503/VTAM        79.257/01:13:16.41                OUTBOUND                                                  |    |
 VTAM    TH=1C00A07FA00100000003    RH=838000                                                                           |    |
IO     T0103503/VTAM        79.257/01:13:16.44                OUTBOUND                                                  |    |
         TH=1C00A07FA00100000003    RH=838000                                                                           |    |
BUF    MVSHOST /VTAM        79.257/01:13:16.47                OUTBOUND                                                  |    |
```

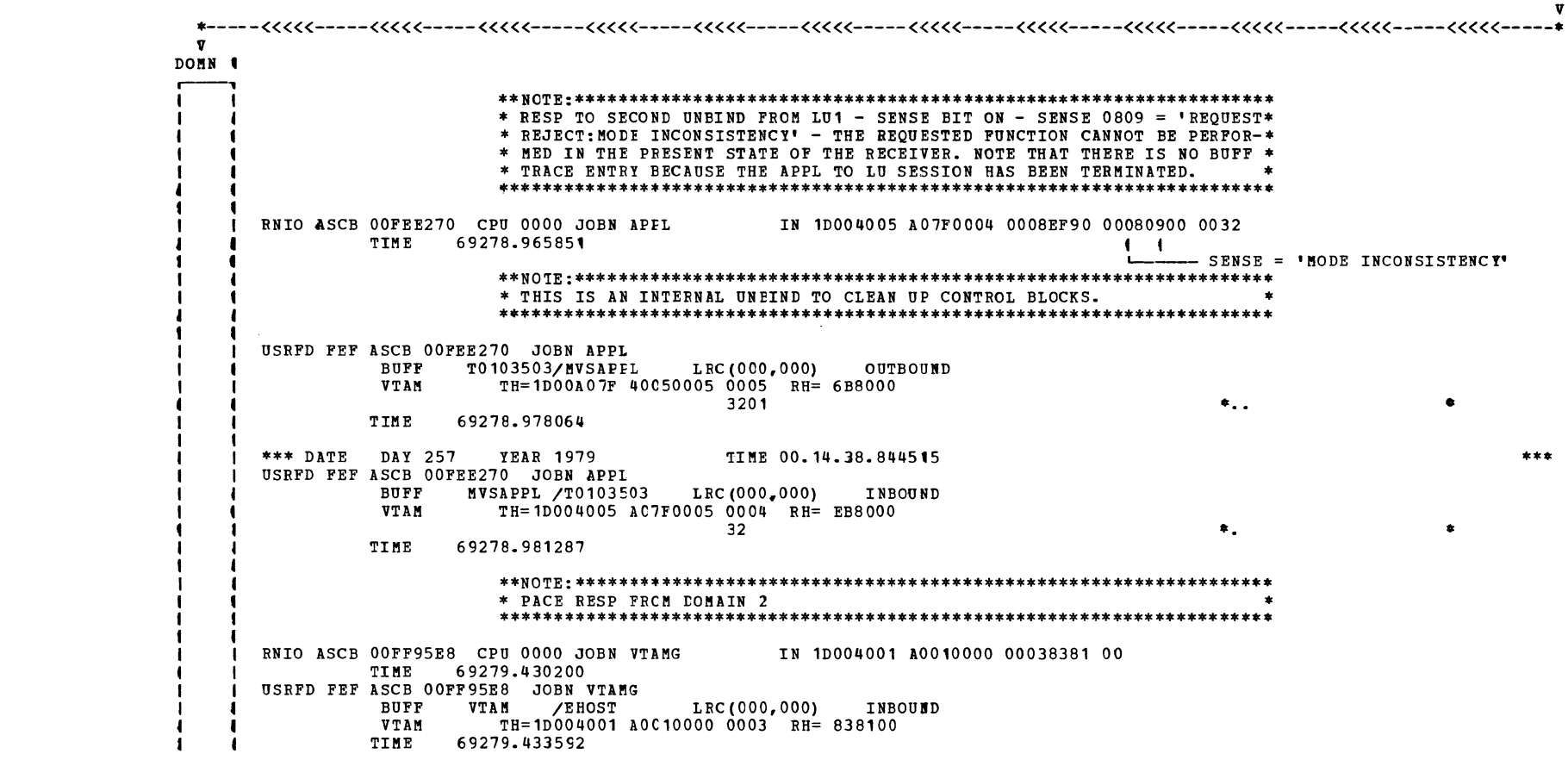
```
      VTAM      TH=1C004001A0010016002A     RH=0B8100                                                                      |      |
           81864300  00A001EF  7A4E89F2  B0000000  06F308E3  F0F1F0F3  F5F 0F3F3  08D4E5E2  AF.......:+I2.....3.T01035033.MVS|.     |
           C1D7D7D3  400000                                                                  APPL ..                        |      |
     IO    MVSHOST /EHOST       79.257/01:13:16.49                 OUTBOUND                                                 |      |
              TH=1C004001A00100160 02A     RH=0B8100    RU=8186430000A001                        ********CDTERM*********    |______|
                                                                                                                                V
  *-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
  V
DOMN 1
|     |
|     |                  **NOTE:*****************************************************************
|     |                  * HOST 1 RECEIVES CDTERM COMMAND FROM HOST2 FOR LU1 (W/PACE REQ)       *
|     |                  ************************************************************************
|     |
|     | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 A0010016 002A0B81 00818643 0000A001 ****    CDTERM    ****
|     |           TIME    69277.930382
|     | USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|     |            BUFF    VTAM    /EHOST       LRC(000,000)    INBOUND
|     |            VTAM       TH=1C004001 A0010016 002A  RH= 0B8100
|     |                                          81864300 00A001EF 7A4E89F2 B0000000 06F308E3  *AF......:+I2.....3.T*
|     |                                          F0F1F0F3 F5F0F3F3 08D4E5E2 C1D7D7D3 400000    *01035033.MVSAPPL .. *
|     |           TIME    69277.935017
|     |
|     |                  **NCTE:*****************************************************************
|     |                  * PACE RESP                                                            *
|     |                  ************************************************************************
|     |
|     | USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|     |            BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
|     |            VTAM       TH=1D00A001 40010000 0003  RH= 838100
|     |           TIME    69277.961174
|     | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1D00A001 40010000 00038381 00                *****    IPR    *****
|     |           TIME    69277.964001
|     |
|     |                  **NOTE:*****************************************************************
|     |                  * NEXT COMMAND OUT IS UNBIND MVSAPPL TO T0103503 (LU1) FROM FIRST SIG  *
|     |                  ************************************************************************
|     |
|     | USRFD FEF ASCB 00FEE270  JOBN APPL
|     |            BUFF    T0103503/MVSAPPL     LRC(000,000)    OUTBOUND
|     |            VTAM       TH=1D00A07F 40C50003 0005  RH= 6B8000
|     |                                          3201                                          *..                  *
|     |           TIME    69278.056602
|     | RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A07F 40050003 00056B80 003201            ****    UNBIND    ****
|     |           TIME    69278.059359
|     |
|     |                  **NOTE:*****************************************************************
|     |                  * RESP TO CDTERM TO HOST2                                              *
|     |                  ************************************************************************
|     |
|     | USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|     |            BUFF    EHOST   /VTAM        LRC(000,000)    OUTBOUND
```

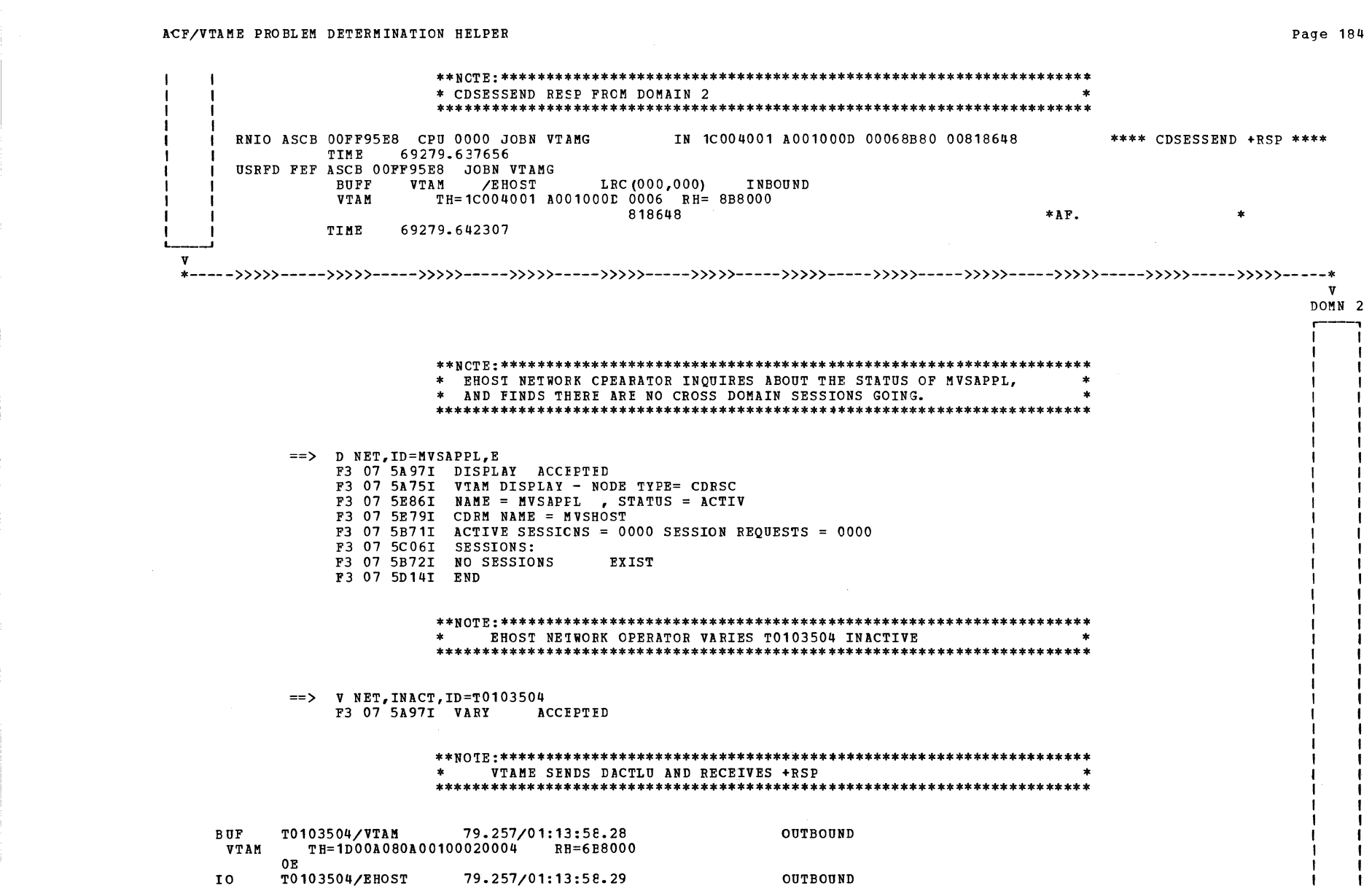
```
|     |             VTAM       TH=1C00A001 40010016 000A  RH= 8B8000
|     |                                           81864300 004005                          *AF... .             *
|     |            TIME    69278.114351
|     |  RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C00A001 40010016 000A8B80 00818643 00004005 ***   CDTERM +RSP   ***
|     |            TIME    69278.116953
|_____|
  V
  *----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                                               V
                                                                                                                            DOMN 2

                         **NOTE:*****************************************************************
                         *     RECEIVE IPR FOLLOWED BY +RSP  CDTERM                              *
                         *************************************************************************

   IO      EHOST   /MVSHOST     79.257/01:13:17.25                 INBOUND
              TH=1D00A001400100000003      RH=838100                                          *********IPR***********
   BUF     VTAM    /MVSHOST     79.257/01:13:17.26                 INBOUND
    VTAM      TH=1D00A001400100000003      RH=838100
   IO      EHOST   /MVSHOST     79.257/01:13:17.39                 INBOUND
              TH=1C00A00140010016000A      RH=8E8000   RU=81864300004005                      *****+RSP CDTERM*******
   BUF     VTAM    /MVSHOST     79.257/01:13:17.40                 INBOUND
    VTAM      TH=1C00A00140010016000A      RH=8E8000
           81864300  004005                                                              AF... .
                                                                                                                               V
  *-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----*
  V
DOMN 1
 _____
|     |
|     |                  **NOTE:*****************************************************************
|     |                  * SECOND UNBIND MVSAPPL TO LU1 FOR SECOND SIG (NOTE SEQ IN PIU)         *
|     |                  *************************************************************************
|     |
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF      T0103503/MVSAPPL      LRC(000,000)     OUTBOUND
|     |             VTAM      TH=1D00A07F 40050004 0005  RH= 6B8000
|     |                                           3201                                     *..                  *
|     |            TIME    69278.167575
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL         OUT 1D00A07F 40050004 00056B80 003201              ****    UNBIND     ****
|     |            TIME    69278.170030
|     |
|     |                  **NOTE:*****************************************************************
|     |                  * RESP TO FIRST UNBIND FROM LU1 IN DOMAIN 2                              *
|     |                  *************************************************************************
|     |
|     |  RNIO ASCB 00FEE270  CPU 0000 JOBN APPL           IN 1D004005 A07F0003 0004EB80 0032              ***   UNBIND +RSP   ***
|     |            TIME    69278.835237
|     |  USRFD FEF ASCB 00FEE270  JOBN APPL
|     |             BUFF     MVSAPPL /T0103503     LRC(000,000)     INBOUND
```

```
|    |           VTAM      TH=1D004005 A07F0003 0004  RH= EB8000
|    |                                          32                                          *.                    *
|    |          TIME     69278.842068
|    |
|    |                     **NOTE:*****************************************************************
|    |                     * DOMAIN ONE SENDS CDSESSEND COMMAND                                   *
|    |                     ************************************************************************
|    |
|    | USRFD FEF ASCB 00FF95E8  JOBN VTAMG
|    |           BUFF     EHOST   /VTAM        LRC(000,000)     OUTBOUND
|    |           VTAM      TH=1C00A001 4001000D 0014  RH= 0B8100
|    |                                          818648A0 01EF7A4E 89F2B000 074005A0 7F      *AF.....:+I2... .."   *
|    |          TIME     69278.934177
|    | RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C00A001 4001000D 00140B81 00818648 A001EF7A ****  CDSESSEND  ****
|____|          TIME     69278.937014
 V
*----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>----->>>>>-----*
                                                                                                                             V
                                                                                                                          DOMN 2
                                                                                                                          ______
                                                                                                                          |    |
                           **NOTE:*****************************************************************                       |    |
                           *     RECEIVE CDSESSEND FROM MVSHOST. SEND IPR FOLLOWED BY +RSP  TO    *                       |    |
                           *     CDSESSEND.*                                                                              |    |
                           ************************************************************************                       |    |
                                                                                                                          |    |
IO      EHOST    /MVSHOST    79.257/01:13:18.12                 INBOUND                                                   |    |
           TH=1C00A0014001000D0014    RH=0E8100    RU=818648A001EF7A                         *******CDSESSEND*******      |    |
BUF     VTAM     /MVSHOST    79.257/01:13:18.13                 INBOUND                                                   |    |
 VTAM      TH=1C00A0014001000D0014    RH=0E8100                                                                           |    |
        818648A0  01EF7A4E  89F2B000  074005A0  7F                                        AF....:+I2... .."               |    |
BUF     MVSHOST /VTAM        79.257/01:13:18.17                 OUTBOUND                                                  |    |
 VTAM      TH=1D004001A00100000003    RH=838100                                                                           |    |
IO      MVSHOST /EHOST       79.257/01:13:18.19                 OUTBOUND                                                  |    |
           TH=1D004001A00100000003    RH=838100                                              *********IPR***********      |    |
BUF     MVSHOST /VTAM        79.257/01:13:18.30                 OUTBOUND                                                  |    |
 VTAM      TH=1C004001A001000D0006    RH=8B8000                                                                           |    |
        818648                                                                            AF.                             |    |
IO      MVSHOST /EHOST       79.257/01:13:18.31                 OUTBOUND                                                  |    |
           TH=1C004001A001000D0006    RH=8E8000    RU=818648                                 *****+RSP CDSESSEND*****     |____|
```


DOMN
NOTE:********
* RESP TO SECOND UNBIND FROM LU1 - SENSE BIT ON - SENSE 0809 = 'REQUEST*
* REJECT:MODE INCONSISTENCY' - THE REQUESTED FUNCTION CANNOT BE PERFOR-*
* MED IN THE PRESENT STATE OF THE RECEIVER. NOTE THAT THERE IS NO BUFF *
* TRACE ENTRY BECAUSE THE APPL TO LU SESSION HAS BEEN TERMINATED. *
****
RNIO ASCB 00FEE270 CPU 0000 JOBN APPL IN 1D004005 A07F0004 0008EF90 00080900 0032
TIME 69278.965851
SENSE = 'MODE INCONSISTENCY'
NOTE:********
* THIS IS AN INTERNAL UNBIND TO CLEAN UP CONTROL BLOCKS. *
****
USRFD FEF ASCB 00FEE270 JOBN APPL
BUFF T0103503/MVSAPPL LRC(000,000) OUTBOUND
VTAM TH=1D00A07F 40050005 0005 RH= 6B8000
3201
TIME 69278.978064
*** DATE DAY 257 YEAR 1979 TIME 00.14.38.844515
USRFD FEF ASCB 00FEE270 JOBN APPL
BUFF MVSAPPL /T0103503 LRC(000,000) INBOUND
VTAM TH=1D004005 AC7F0005 0004 RH= EB8000
32
TIME 69278.981287
NOTE:********
* PACE RESP FROM DOMAIN 2 *
****
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG IN 1D004001 A0010000 00038381 00
TIME 69279.430200
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1D004001 A0C10000 0003 RH= 838100
TIME 69279.433592


NCTE:********
* CDSESSEND RESP FROM DOMAIN 2 *
****
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG IN 1C004001 A001000D 00068B80 00818648 **** CDSESSEND +RSP ****
TIME 69279.637656
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1C004001 A001000D 0006 RH= 8B8000
818648 *AF. *
TIME 69279.642307
V
DOMN 2
NCTE:********
* EHOST NETWORK CPEARATOR INQUIRES ABOUT THE STATUS OF MVSAPPL, *
* AND FINDS THERE ARE NO CROSS DOMAIN SESSIONS GOING. *
==> D NET,ID=MVSAPPL,E
F3 07 5A97I DISPLAY ACCEPTED
F3 07 5A75I VTAM DISPLAY - NODE TYPE= CDRSC
F3 07 5E86I NAME = MVSAPPL , STATUS = ACTIV
F3 07 5E79I CDRM NAME = MVSHOST
F3 07 5B71I ACTIVE SESSIONS = 0000 SESSION REQUESTS = 0000
F3 07 5C06I SESSIONS:
F3 07 5B72I NO SESSIONS EXIST
F3 07 5D14I END
NOTE:********
* EHOST NETWORK OPERATOR VARIES T0103504 INACTIVE *
==> V NET,INACT,ID=T0103504
F3 07 5A97I VARY ACCEPTED
NOTE:********
* VTAME SENDS DACTLU AND RECEIVES +RSP *
BUF T0103504/VTAM 79.257/01:13:58.28 OUTBOUND
VTAM TH=1D00A080A00100020004 RH=6B8000
OE
IO T0103504/EHOST 79.257/01:13:58.29 OUTBOUND

```
        TH=1D00A080A00100020004    RH=6B8000   RU=0E                                ********DACTLU**********
IO      EHOST   /T0103504   79.257/01:13:58.51               INBOUND
        TH=1D00A001A08000020004    RH=EB8000   RU=0E                                *****+RSP DACTLU*******
BUF     VTAM    /T0103504   79.257/01:13:58.52               INBOUND
 VTAM   TH=1D00A001A08000020004    RH=EB8000
        0E                                                                  .

                    **NOTE:**************************************************************
                    *  VTAME ISSUES AN INTERNAL UNBIND TO CLEAR UP SSCP TO LU SESSION     *
                    ***********************************************************************


BUF     T0103504/VTAM       79.257/01:13:58.63               OUTBOUND
 VTAM   TH=1D00A080A00100030005    RH=6B8000
        3201                                                                ..
BUF     VTAM    /T0103504   79.257/01:13:58.64               INBOUND
 VTAM   TH=1D00A001A08000030004    RH=EB8000
        32                                                                  .

                    **NOTE:**************************************************************
                    *     OPERATOR IS INFORMED OF DEACTIVATION AND THEN VARIES P010350    *
                    *     INACTIVE.                                                        *
                    ***********************************************************************


            F3 07 5B05I  T0103504 NODE NOW INACTIVE
        ==> V NET,INACT,ID=P010350
            F3 07 5A97I  VARY     ACCEPTED

                    **NOTE:**************************************************************
                    * AS A RESULT OF THE VARY FOR THE PU, VTAME GENERATES A DACTLU FOR    *
                    * THE ACTIVE LU'S ON THE PU. VTAME RECEIVES A +RSP  TO DACTLU.        *
                    ***********************************************************************


BUF     T0103503/VTAM       79.257/01:14:08.27               OUTBOUND
 VTAM   TH=1D00A07FA00100020004    RH=6B8000
        0E                                                                  .
IO      T0103503/VTAM       79.257/01:14:08.29               OUTBOUND
        TH=1D00A07FA00100020004    RH=6B8000   RU=0E                                ********DACTLU*********
IO      VTAM    /T0103503   79.257/01:14:08.55               INBOUND
        TH=1D00A001A07F00020004    RH=EB8000   RU=0E                                ******+RSP DACTLU******
BUF     VTAM    /T0103503   79.257/01:14:08.55               INBOUND
 VTAM   TH=1D00A001A07F00020004    RH=EB8000
        0E                                                                  .

                    **NOTE:**************************************************************
                    *     ANOTHER INTERNAL UNBIND TO FREE UP SSCP TO LU SESSION.          *
                    ***********************************************************************
```

```
BUF    T0103503/VTAM       79.257/01:14:08.66              OUTBOUND
 VTAM     TH=1D00A07FA00100030005    RH=6E8000
       3201                                                ..
BUF    VTAM    /T0103503   79.257/01:14:08.67              INBOUND
 VTAM     TH=1D00A001A07F00030004    RH=EE8000
       32                                                  .

                     **NOTE:*************************************************************
                     *  NOW VTAME CAN ISSUE A DACTPU. RECEIVES A +RSP  TO THE DACTPU.    *
                     *********************************************************************

BUF    P010350 /VTAM       79.257/01:14:08.74              OUTBOUND
 VTAM     TH=1D00A07DA00100020005    RH=6E8000
       1202                                                ..
IO     P010350 /VTAM       79.257/01:14:08.77              OUTBOUND
          TH=1D00A07DA00100020005    RH=6E8000   RU=1202                  *******DACTPU**********
IO     VTAM    /P010350    79.257/01:14:09.20              INBOUND
          TH=1D00A001A07D00020004    RH=EE8000   RU=12                    ******+RSP  DACTPU******
BUF    VTAM    /P010350    79.257/01:14:09.21              INBOUND
 VTAM     TH=1D00A001A07D00020004    RH=EE8000
       12                                                  .

                     **NOTE:*************************************************************
                     *     ANOTHER INTERNAL UNBIND FOR THE SSCP TO PU SESSION.           *
                     *********************************************************************

BUF    P010350 /VTAM       79.257/01:14:09.28              OUTBOUND
 VTAM     TH=1D00A07DA00100030005    RH=6E8000
       3201                                                ..
BUF    VTAM    /P010350    79.257/01:14:09.28              INBOUND
 VTAM     TH=1D00A001A07D00030004    RH=EE8000
       32                                                  .

                     **NOTE:*************************************************************
                     *     OPERATOR IS INFORMED OF DEACTIVATION.                         *
                     *********************************************************************

          F3 07 5B05I  P010350  NODE NOW INACTIVE

                     **NOTE:*************************************************************
                     *     OPERATOR VARIES CROSS DOMAIN RESOURCES AND CROSS DOMAIN RESOURCE *
                     *     MANAGERS INACTIVE.                                            *
                     *********************************************************************

           ==>  V NET,INACT,ID=ECDRSC,F
                F3 07 5A97I  VARY     ACCEPTED
```

```
          F3 07 5B05I  ECDRSC   NODE NOW INACTIVE
     ==>  V NET,INACT,ID=ECDRM,F
          F3 07 5A97I  VARY     ACCEPTED
          F3 07 5G17I  DEACTIVATE IN PROGRESS FOR EHOST
          F3 07 5G17I  DEACTIVATE IN PROGRESS FOR MVSHOST


                    **NOTE:*************************************************************
                    *   VTAME SENDS A CROSS DOMAIN TAKEDOWN (CDTAKED), BUT SINCE THE VARY  *
                    *   WAS ISSUED WITH THE FORCE PARAMETER, NO WAIT FOR A RESPONSE TO THE *
                    *   CDTAKED IS DONE. INSTEAD, VTAME IMMEDIATELY SENDS A DEACTIVATE     *
                    *   CDRM SESSION.*
                    *********************************************************************


BUF    MVSHOST /VTAM       79.257/01:17:16.34               OUTBOUND
 VTAM     TH=1C004001A00100170010    RH=0E8100
         818649A0  01EF7A5C  D4864070  C0                                  AF....:*MF ..
IO     MVSHOST /EHOST      79.257/01:17:16.53               OUTBOUND
         TH=1C004001A00100170010    RH=0E8100   RU=818649A001EF7A              ********CDTAKED********
BUF    MVSHOST /VTAM       79.257/01:17:16.55               OUTBOUND
 VTAM     TH=1D004001A00100030005    RH=6E8000
         1501                                                 ..
IO     MVSHOST /EHOST      79.257/01:17:16.57               OUTBOUND
         TH=1D004001A00100030005    RH=6E8000   RU=1501                   ********DACTCDRM********


                    **NOTE:*************************************************************
                    *     VTAME ISSUES AN INTERNAL UNBIND                               *
                    *********************************************************************


BUF    MVSHOST /VTAM       79.257/01:17:16.59               OUTBOUND
 VTAM     TH=1D004001A00100040005    RH=6E8000
         3201                                                 ..
BUF    VTAM    /MVSHOST    79.257/01:17:16.60               INBOUND
 VTAM     TH=1D00A001400100040004    RH=EE8000
         32                                                   .


                    **NOTE:*************************************************************
                    *     OPERATOR IS NOTIFIED OF DEACTIVATION                          *
                    *********************************************************************

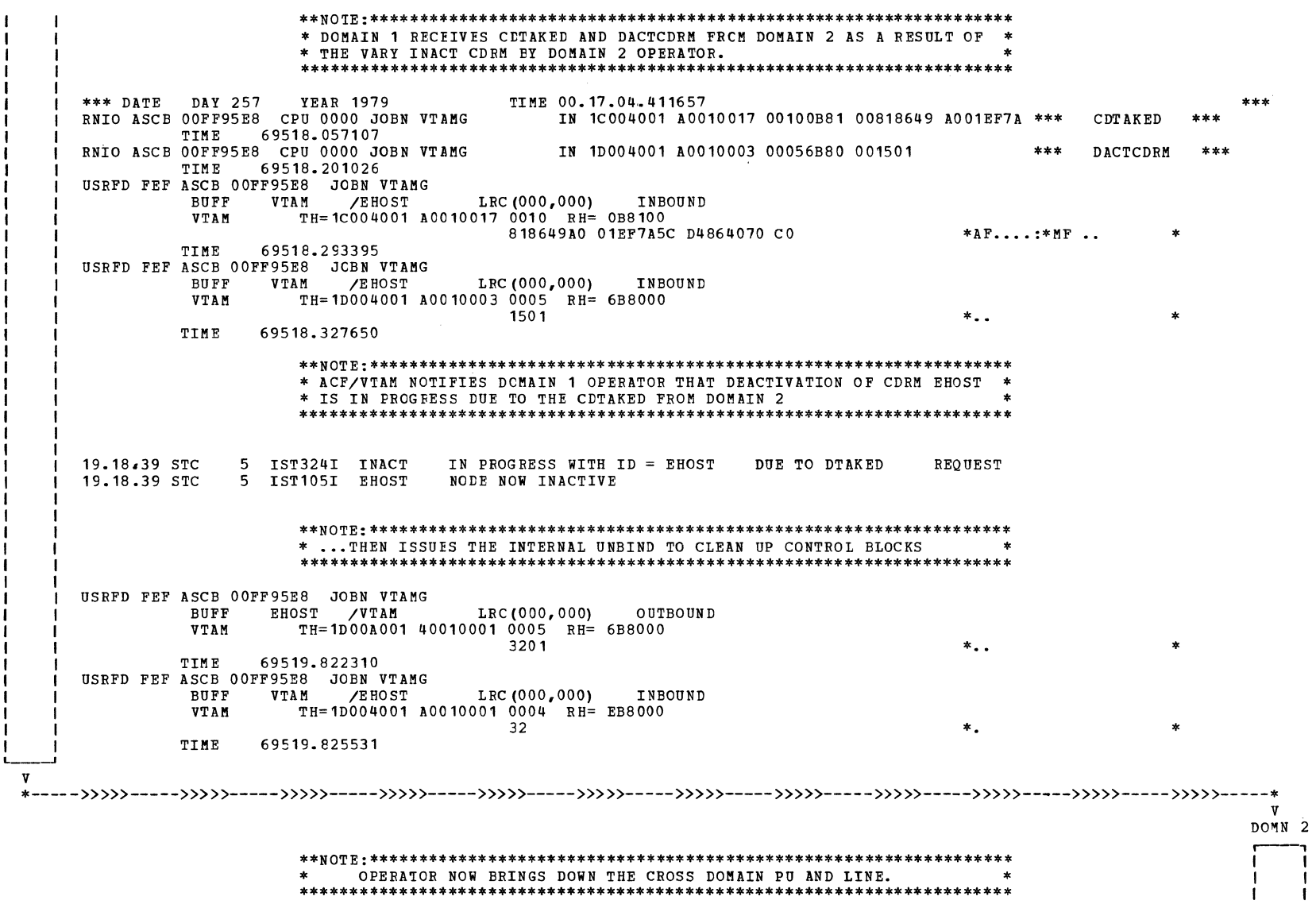

          F3 07 5B05I  MVSHOST  NODE NOW INACTIVE
          F3 07 5B05I  EHOST    NODE NOW INACTIVE
          F3 07 5B05I  ECDRM    NODE NOW INACTIVE
```

V

-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----<<<<<-----

V

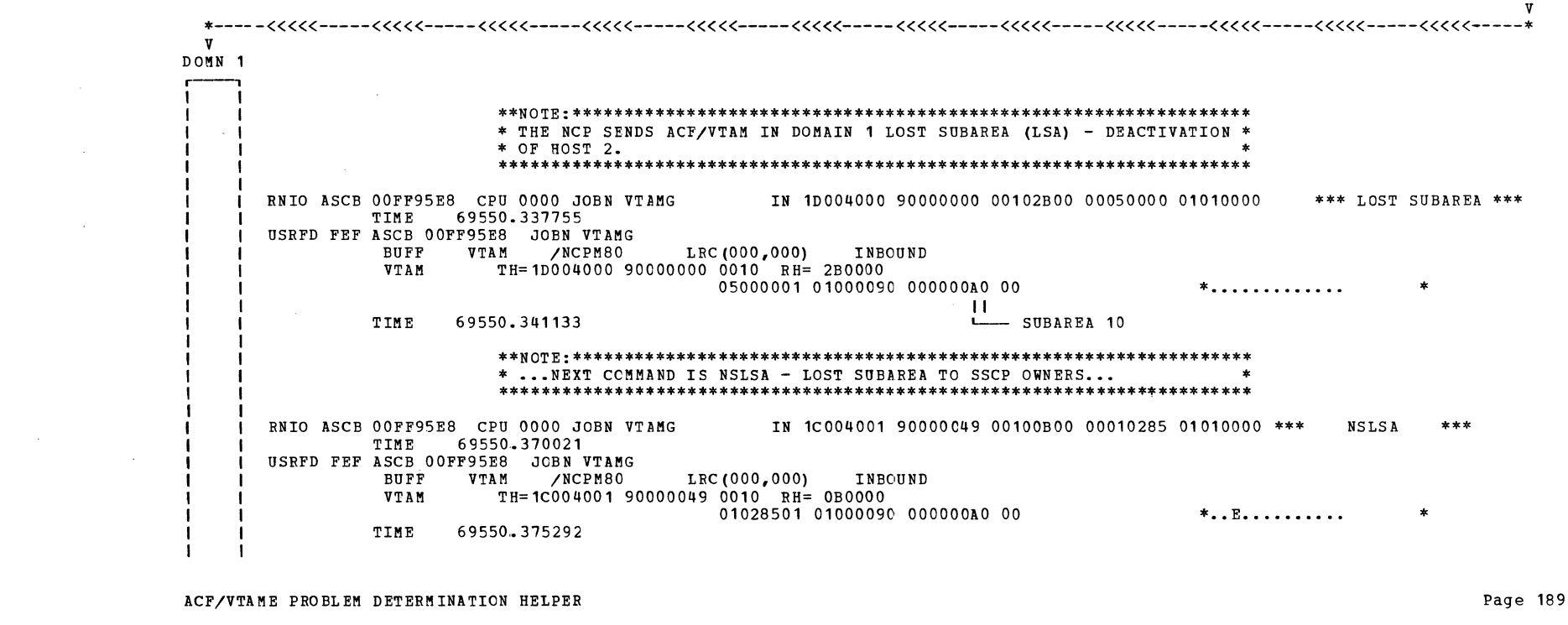
DOMN 1


NOTE:********
* DOMAIN 1 RECEIVES CDTAKED AND DACTCDRM FROM DOMAIN 2 AS A RESULT OF *
* THE VARY INACT CDRM BY DOMAIN 2 OPERATOR. *
****
*** DATE DAY 257 YEAR 1979 TIME 00.17.04.411657 ***
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG IN 1C004001 A0010017 00100B81 00818649 A001EF7A *** CDTAKED ***
TIME 69518.057107
RNIO ASCB 00FF95E8 CPU 0000 JOBN VTAMG IN 1D004001 A0010003 00056B80 001501 *** DACTCDRM ***
TIME 69518.201026
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1C004001 A0010017 0010 RH= 0B8100
818649A0 01EF7A5C D4864070 C0 *AF....:*MF .. *
TIME 69518.293395
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1D004001 A0010003 0005 RH= 6B8000
1501 *.. *
TIME 69518.327650
NOTE:********
* ACF/VTAM NOTIFIES DOMAIN 1 OPERATOR THAT DEACTIVATION OF CDRM EHOST *
* IS IN PROGRESS DUE TO THE CDTAKED FROM DOMAIN 2 *
****
19.18.39 STC 5 IST324I INACT IN PROGRESS WITH ID = EHOST DUE TO DTAKED REQUEST
19.18.39 STC 5 IST105I EHOST NODE NOW INACTIVE
NOTE:********
* ...THEN ISSUES THE INTERNAL UNBIND TO CLEAN UP CONTROL BLOCKS *
****
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF EHOST /VTAM LRC(000,000) OUTBOUND
VTAM TH=1D00A001 40010001 0005 RH= 6B8000
3201 *.. *
TIME 69519.822310
USRFD FEF ASCB 00FF95E8 JOBN VTAMG
BUFF VTAM /EHOST LRC(000,000) INBOUND
VTAM TH=1D004001 A0010001 0004 RH= EB8000
32 *. *
TIME 69519.825531
DOMN 2
NOTE:********
* OPERATOR NOW BRINGS DOWN THE CROSS DOMAIN PU AND LINE. *
****

```
          ==>  V NET,INACT,ID=P010300
               F3 07 5A97I  VARY     ACCEPTED
               F3 07 5B05I  P010300  NODE NOW INACTIVE
          ==>  V NET,INACT,ID=L01030
               F3 07 5A97I  VARY     ACCEPTED
               F3 07 5B05I  L01030   NODE NOW INACTIVE

                         **NOTE:*************************************************************
                         *   THE REST OF THE NETWORK IS BROUGHT DOWN                       *
                         *********************************************************************

          ==>  Z NET,QUICK
               F3 07 5A97I  HALT     ACCEPTED
               F3 07 5B33I  VTAM TERMINATION IN PROGRESS
               F3 07 5F05I  VTAM TRACE SUBTASK ENDED
               F3 07 5E12I  VTAM COMMAND PROCESSING TERMINATED
               F3 07 5B02I  VTAM IS NOW INACTIVE
               F3 03 EOJ VTASTART
                  DATE 09/13/79,CLOCK 20/26/29,DURATION 02/05/23
```



```
                    **NOTE:*************************************************************
                    * ...NEXT IS INOP                                                  *
                    *********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000004A 00090B00 00010281 A00003   ****    INOP    ****
          TIME    69550.505137
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1C004001 9000004A 0009  RH= 0B0000
                                  010281A0 0003                                 *..A...              *
          TIME    69550.508178

                    **NOTE:*************************************************************
                    * THE NEXT ENTRY IS AN MDR RECORD FROM THE NCP DUE TO THE INOP FROM  *
                    * DOMAIN 2. THE COMMAND IS RECMS - 'RECORD MAINTENANCE STATISTICS'.  *
                    *********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000004B 003C0B00 00010381 A00000DC ****    RECMS    ****
          TIME    69550.515457
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1C004001 9000004B 003C  RH= 0B0000
                                  010381A0 0000DC83 05010000 00A18180 00001000  *..A....C......A.....*
                                  0000BD00 00000000 00000000 00410000 01662200  *.....................*
                                  31000000 00000006 20000B06 13000B00 00        *.................    *
          TIME    69550.519563

                    **NOTE:*************************************************************
                    * ACF/VTAM SENDS A CONTACT TO NCP FOR SUBAREA 10, GETS +RSP...       *
                    *********************************************************************

USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    NCPM80  /VTAM        LRC(000,000)    OUTBOUND
           VTAM       TH=1C009000 4001005D 0008  RH= 0B8000
                                  010201A0 00                                   *.....               *
          TIME    69552.468264
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C009000 4001005D 00080B80 00010201 A000     ****   CONTACT   ****
          TIME    69552.472567
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000005D 00068B80 00010201          ***   CONTACT +RSP   ***
          TIME    69552.710745
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1C004001 9000005D 0006  RH= 8B8000
                                  010201                                        *...                 *
          TIME    69552.784639

                    **NOTE:*************************************************************
                    * ...FOLLOWED BY A DISCONTACT                                      *
                    *********************************************************************

USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    NCPM80  /VTAM        LRC(000,000)    OUTBOUND
           VTAM       TH=1C009000 4001005E 0008  RH= 0B8000
                                  010202A0 00                                   *.....               *
```

```
          TIME    69572.004698
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG        OUT 1C009000 4001005E 00080B80 00010202 A000     ***   DISCONTACT   ***
          TIME    69572.007791

                  **NOTE:*************************************************************
                  * ...ANOTHER INOP FROM NCP TO ACF/VTAM IN DOMAIN 1 FOR SUBAREA 10 (D2) *
                  *********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000004C 00090B00 00010281 A00001   ****    INOP    ****
          TIME    69576.996518
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1C004001 9000004C 0009  RH= 0B0000
                                  010281A0 0001                                *..A...              *
          TIME    69577.001307

                  **NOTE:*************************************************************
                  * ...ANOTHER MDR RECORD - CMD RECMS                                 *
                  *********************************************************************

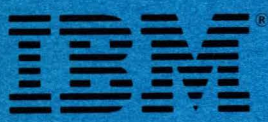
RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000004D 003C0B00 00010381 A00000DC ****    RECMS    ****
          TIME    69577.033094
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1C004001 9000004D 003C  RH= 0B0000
                                  010381A0 0000DC83 05010000 00A18180 00005000  *..A....C.......A...&.*
                                  00068000 06800000 00007300 01410000 01000000  *.....................*
                                  31000000 00000000 07C00000 00000000 00        *..................   *
          TIME    69577.036781

                  **NOTE:*************************************************************
                  * NEG RSP FOR CONTACT NCP TO ACF/VTAM FOR SUBAREA 10 - SENSE = LINK    *
                  * PROCEDURE FAILURE                                                 *
                  *********************************************************************

RNIO ASCB 00FF95E8  CPU 0000 JOBN VTAMG         IN 1C004001 9000005E 000A8F90 00082200 00010202 *** CONTACT -RSP ***
          TIME    69577.043270
USRFD FEF ASCB 00FF95E8  JOBN VTAMG
           BUFF    VTAM    /NCPM80      LRC(000,000)    INBOUND
           VTAM       TH=1C004001 9000005E 000A  RH= 8F9000
                                  08220000 010202                              *.......             *
          TIME    69577.046051
```

G320-6283-0

Advanced Communications Function for VTAM Entry Problem Determination Helper Technical Report Printed in U.S.A. G320-6283-0



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