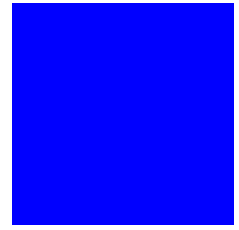


CIMS Lab, Inc.



CIMS Chargeback

CICS User Guide

Version 11.6–OS/390

CIMS Lab Publication Number: CICS-UG-116-00

Published 01/13/03

Information in this guide is subject to change without notice and does not constitute a commitment on the part of CIMS Lab, Inc. It is supplied on an "as is" basis without any warranty of any kind, either explicit or implied. Information may be changed or updated in this guide at any time.

Copyright Information

CIMS™ is ©copyright 1974 - 2003 by CIMS Lab, Inc. and its subsidiaries. This guide is ©copyright 1974 - 2003 by CIMS Lab, Inc., and its subsidiaries and may not be reproduced in whole or in part, by any means, without the written permission of CIMS Lab, Inc. and its subsidiaries.

Names marked ™ or ® and other company and product names may be trademarks or registered trademarks of their respective vendors or organizations.

Mailing Address

CIMS Lab, Inc.
3013 Douglas Blvd., Suite 120
Roseville, CA 95661-3842

Table of Contents



Preface

Philosophy	vii
Contacting the CIMS Lab	viii
About This Guide	viii
Conventions	ix
Related Publications	x

1 • Introduction

CIMS CICS Transaction Accounting	1-2
Input	1-3
Output	1-3
System Components	1-3

2 • CICS Data Interface Program—CIMSCMF1/CIMSCMFP

Introduction	2-2
CIMSCMF1/CIMSCMFP Input	2-2
CIMSCMF1/CIMSCMFP Output	2-3
CIMSCMF1/CIMSCMFP Record Definitions	2-4
CIMSCMF1/CIMSCMFP Reports	2-5
Processing Requirements	2-5
CIMS CICS Requirements	2-6
CIMS Monitor Requirements	2-7
Control Statement Table	2-7
Control Statement Reference	2-8
OS/390 Sample Job Control (CIMSCMF1)	2-10
OS/390 Sample Job Control (CIMSCMFP)	2-11
CIMSCMF1 OS/390 Flow Chart	2-12
CIMSCMFP OS/390 Flow Chart	2-13

3 • CIMS CICS Account Code Creation Program—CIMSCMF2	
Introduction	3-2
Using CIMS Server for Invoicing and Reporting CICS Transaction Data	3-2
CIMSCMF2 Input	3-3
CIMSCMF2 Output	3-4
Printed Output - DDNAME CIMSPRNT, CIMSMMSG	3-4
Processing Requirements	3-5
Control Statement Table	3-6
Control Statement Reference	3-7
CIMSCMF2 Primary Account Code Table	3-20
Bypassing The Account Code Table	3-20
CIMSCMF2 Alternate Account Code Table	3-20
Account Code Table (Record Definitions)	3-20
Account Code Table Processing Information	3-21
Account Code Table (Matching Information)	3-22
Account Code and CICS Resource File SORT Options	3-26
CIMSCMF2 Alternate Account Code Table	3-27
Alternate Account Code Table—Record Format	3-28
Alternate Account Code Table Format—User ID and Transaction ID	3-29
Alternate Account Code Table Processing Information	3-29
OS/390 Sample Job Control	3-31
CIMSCMF2 OS/390 Flow Chart	3-33
4 • Transaction Creation and Reporting Program—CIMSCICS	
Introduction	4-2
Creation of CICS Chargeback Records	4-2
Program Operation	4-2
Control Statement Table	4-3
Control Statement Reference	4-4
Billable Items	4-11
Billing Rates and Rate Codes	4-11
Changing Rate Codes	4-12
CIMSCICS Input	4-12
CIMSCICS Output	4-12
CIMSCICS Input/Output	4-12
Sample Input Control Statements	4-12
OS/390 Sample Job Control	4-13
CIMSCICS Sample Report	4-14
Report Writer Sample Reports	4-15
CICS Reports	4-15
Special Requirements	4-15
CIMSCICS OS/390 Flow Chart	4-16

A • Record Descriptions

CIMS CICS Transaction Records	A-2
Report Writer Name = CICSRC00	A-2
Report Writer Name = CICSRC01	A-3
Report Writer Name = CICSRC02	A-4
Report Writer Name = CICSRC04 (OS/390 Only)	A-6
Report Writer Name = CICSRC05	A-7
Report Writer Name = CICSRC06 (OS/390 Only)	A-9
Report Writer Name = CICSRC07 (OS/390 Only)	A-12
Report Writer Name = CICSRC08 (OS/390 Only)	A-15
Report Writer Name = CICSRC12	A-18
Report Writer Name = CICSRC13	A-22
Report Writer Name = CICSRC14	A-26
CICS Transaction Account Record (OS/390 Only)	A-32
CIMS Server 791 Record	A-33

Index



Preface

As companies continue to integrate computer technology into their business operations, it becomes increasingly important to properly administer the IT function, particularly with respect to performance and cost. And the best way to control costs is to plan for them.

CIMS Chargeback is a comprehensive, flexible software solution that consolidates a wide variety of accounting data for multiple operating systems into a single file that may be accessed from either the mainframe or a workstation. Simply put, CIMS Chargeback is an essential component of an effective financial management system.

Philosophy

Originally developed in 1974, CIMS has focused on meeting the financial and resource reporting requirements of Information Services Departments. CIMS has evolved with corporate IT management requirements. Focused commitment to client service and support sets CIMS apart from competing products. Our goal is to provide the best chargeback and resource reporting software in the world at the lowest possible cost to our customers.

The CIMS Lab strongly believes in and executes the concept of continuous product improvement. Customers have access to CIMS product development personnel to ensure that customer feedback and other critical issues are incorporated into the next release of the product.

Contacting the CIMS Lab

You can contact us with any questions or problems you have. Please use one of the methods below to contact us.

For product assistance or information, contact:

USA & Canada, toll free (800) 283-4267
International (916) 783-8525
FAX (916) 783-2090
World Wide Web www.cimslab.com

Our Mailing Address is:

CIMS Lab, Inc.
3013 Douglas Blvd., Suite 120
Roseville, CA 95661-3842

About This Guide

The *CIMS Chargeback CICS User Guide* explains how to use CIMS to charge back and allocate the costs of CICS networks to the users who consume the resources.

This guide assumes that the appropriate *CIMS Chargeback* components have been installed at your site.

Ch. No.	Chapter Name	Content Description
1	<i>Introduction</i>	Introduces you to the functions and features of CIMS CICS Chargeback System.
2	<i>CICS Data Interface Program—CIMSCMF1/CIMSCMFP</i>	Introduces you to the program CIMSCMF1/CIMSCMFP, which processes CICS usage data created by the CMF facility.
3	<i>CIMS CICS Account Code Creation Program—CIMSCMF2</i>	Introduces you to the program CIMSCMF2, which reads the intermediate CIMS CICS transaction accounting data set created by Program CIMSCMF1.
4	<i>Transaction Creation and Reporting Program—CIMSCICS</i>	Introduces you to the program CIMSCICS.
A	<i>Record Descriptions</i>	Provides the CIMS CICS Record Descriptions.
	<i>Index</i>	

Conventions

Some or all of the following conventions appear in this guide:

Symbol or Type Style	Represents	Example
Bold	a new term	...called a source object .
<i>Alternate color</i>	(online only) hotlinked cross-references to other sections in this guide; if you are viewing this guide online in PDF format, you can click the cross-reference to jump directly to its location	...see <i>Chapter 3, Data Migration</i> .
<i>Italic</i>	words that are emphasized	...the entry <i>after</i> the current entry...
	the titles of other documents	<i>CIMS for OS/390 Release Notes</i>
	syntax variables	COPY <i>filename</i>
Monospace	directories, file names, command names, computer code	&HIGHLVL.SRCLIB
	computer screen text, system responses, command line commands	Copy file? Y/N
Monospace bold	what a user types	...enter RUN APP.EXE in the Application field
< >	the name of a key on the keyboard	Press <Enter>.
▶	choosing a command from a cascading menu	File ▶ Import ▶ Object
Highlighted Screen Text	used to callout screen text on character-based screen captures. (When viewed online, the screen text will be blue.)	Data set.... Product.... Parmlib...

Related Publications

As you use this guide, you might find it helpful to have these additional books available for reference:

- *CIMS Chargeback OS/390 User Guide*
- *CIMS Chargeback OS/390 Installation and Upgrade Guide*
- *CIMS Chargeback VM/CMS User Guide*
- *CIMS Chargeback VSE User Guide*
- *CIMS Chargeback Report Writer User Guide*
- *CIMS Chargeback Report Writer Sample Reports for MVS*
- *CIMS Server Administrator's Guide*
- *CIMS Server Web Reporting User's Guide*
- *CIMS Desktop Installation and Getting Started Guide*
- *CIMS Desktop User Guide*
- *CIMS Desktop Integration Guide*
- *CIMS Chargeback NT/UNIX Installation and Getting Started Guide*
- *CIMS Chargeback NT/UNIX User Guide*
- *CIMS Chargeback NT/UNIX Reference Guide*
- *CIMS Chargeback OpenVMS Installation and Getting Started Guide*
- *CIMS Chargeback OpenVMS User Guide*
- *CIMS Chargeback OpenVMS Reference Guide*
- *CIMS Chargeback OpenVMS Messages Guide*

Introduction

CIMS CICS Transaction Accounting	1-2
Input	1-3
Output	1-3
System Components	1-3

CIMS CICS Transaction Accounting

CIMS provides the ability to charge back and allocate the costs of CICS networks to the users who consume the resources. Each CICS user can be charged for any combination of the following:

- Transaction Time (Elapsed)
- Transaction Time (CPU)
- Number of Transactions
- Input Messages
- Output Messages
- File Access Counts
- Other User-Defined Resource Values

In addition to the preceding resources, any resource contained in the CICS performance monitoring record can be used by CIMS for chargeback.

CIMS uses a flexible account code table to translate items such as User ID, Transaction ID and Terminal ID into an account code. CIMS CICS account code creation provides the following flexibility:

- Account Code Editing
- Include/Exclude Record Selection
- Wild Card Support
- Exception File Processing for unmatched records.

CIMS provides user exit routines for specialized requirements.

Input

CIMS uses the data set created by any of the following systems:

- IBM SMF Record Type 110 (OS/390 only).
- The CICS Monitoring Facility (CMF). The CMF data set is a *standard feature* of CICS. IBM publications describe the macros used by CMF. Specifically, the DFHMCT macro defines a Monitor Control Table (MCT) that specifies the types of data records to be included in the monitoring data set.
- You can implement CICS Transaction Accounting using Monitor Performance Records. Performance Records contain utilization data that includes Transaction Elapsed time, Transaction CPU time, INPUT/OUTPUT messages, and file activity. A description of the CIMS CICS data record is shown in [Appendix A, Record Descriptions](#).
- Data that is compatible with either SMF Record Type 110 or CMF Performance Records. This includes data generated by CICS Monitoring Products such as Landmark's TMON®, CA's EXPLORE/CICS® and Candle Corporation's OMEGAMON®.
- Proprietary Data Formats created by various CICS monitors.

Output

CIMS CICS Transaction Accounting Interface generates the following types of output:

- CICS transactions for processing by CIMSBILL.
- Data set containing 791 records. These records can be processed by CIMSEXTR to produce the CIMS Server Resource file.
- CICS usage records for processing by [CIMS Report Writer](#) and other 4GL systems.
- Printed reports showing CICS resource usage and charges.

System Components

The CIMS CICS Transaction Accounting product consists of three *primary* program modules as follows:

CIMSCMF1/CIMSCMFP

CIMSCMF1/CIMSCMFP are Assembler Language programs that interface with the CICS usage data. These programs read the CICS Monitoring Facility (CMF) data, select performance records, reformat the records, and writes an data set containing CIMS CICS Intermediate Transaction Accounting Records. These records are defined as intermediate, because account codes have not been added to the file.

CIMSCMF2

CIMSCMF2 reads the intermediate data set created by CIMSCMF1/CIMSCMFP and/or a history data set previously created from CIMSCMF2 and writes a data set containing CIMS CICS Transaction Accounting Records. This data set is similar to the intermediate data set created by CIMSCMF1/CIMSCMFP except that account codes are added to the data record and the data record is reformatted.

CIMSCMF2 is driven by control statements that specify data selection conditions. In addition to the selection control statements, another data set is read that contains a table of Account Codes, Transaction IDs, User IDs and/or Terminal IDs. The installation has complete control over the generation of Account Codes. The Account Codes can be based on multiple identification codes including but not limited to Transaction ID, Terminal ID, Operator ID, User ID or any combination of these identifiers.

CIMSSMF2 can also generate a data set containing 791 records for input into CIMS Server. CIMSCMF2 writes 791 records to the CIMSACT2 DDNAME when requested by the WRITE control statement. These 791 records require additional processing by the Extract Routine (CIMSEXTR) to generate a self-defining comma delimited file (the CIMS Server Resource File). This file contains the data that is transferred to CIMS Server.

CIMSCICS

CIMSCICS processes the CIMS CICS Transaction Accounting Records created by CIMSCMF2 and generates billing reports and transactions. The CICS billing transactions are processed by the CIMS computer center billing program, CIMSBILL.

Program Record Descriptions

For descriptions of the records produced by CIMSCMF1/CIMSCMFP, CIMSSMF2, and CIMSCICS see [Appendix A, Record Descriptions](#).

Additional System Components

The CIMS Report Writer and programs CIMSUNIV (OS/390 only), CIMSBILL, and CIMSACCT (OS/390)/CIMSVSE (VSE) provide additional CICS reporting and billing features. Refer to the appropriate chapter in the [CIMS Chargeback OS/390 User Guide](#) for more information.

For special requirements, see [CICS Reports](#) on page 4-15.

CIMS Server

The CIMS mainframe CICS information can be sent to CIMS Server for comprehensive resource accounting and chargeback processing. Browser-based viewing and point-and-click environments replace the typical CIMS OS/390 installation that uses batch JCL and mainframe reports. CIMS Server, rather than mainframe programs, can be used to provide invoicing and reporting. When using CIMS Server, invoices and reports are produced in the distributed environment.

CICS Data Interface Program— CIMSCMF1/CIMSCMFP

Introduction	2-2
CIMSCMF1/CIMSCMFP Input	2-2
CIMSCMF1/CIMSCMFP Output	2-3
CIMSCMF1/CIMSCMFP Record Definitions	2-4
CIMSCMF1/CIMSCMFP Reports	2-5
Processing Requirements	2-5
CIMS CICS Requirements	2-6
CIMS Monitor Requirements	2-7
Control Statement Table	2-7
Control Statement Reference	2-8
OS/390 Sample Job Control (CIMSCMF1)	2-10
OS/390 Sample Job Control (CIMSCMFP)	2-11
CIMSCMF1 OS/390 Flow Chart	2-12
CIMSCMFP OS/390 Flow Chart	2-13

Introduction

Programs CIMSCMF1/CIMSCMFP process CICS usage data created by the CICS Monitoring Facility (CMF). This usage data is identified in OS/390 as System Management Facilities (SMF) Record 110. IBM CICS releases 1.5 through 2.1 create ACCOUNTING CLASS and PERFORMANCE CLASS usage records. CICS release 3.1.1 and subsequent CICS releases produce PERFORMANCE CLASS usage records. These usage records are reformatted and written to various data sets for further processing.

Program CIMSCMF1 supports CICS releases 1.5 through 5.1. CIMSCMF1 only supports the standard CICS dictionary. Program CIMSCMFP supports CICS releases 3.1 and above. CIMSCMFP supports both standard and custom CICS dictionaries. If you have a CICS release less than 3.1 running on a custom dictionary, refer to the section entitled CIMS CICS Requirements on how to process the data using CIMSCMF1 and the Report Writer. CIMSCMFP should be used for all CICS data that is release 3.1 or higher. CIMSCMF1 should only be used for CICS data that is lower than 3.1.

Program CIMSCMFP will read the SMF 110 records and process both the data records and the dictionary records. When it encounters a dictionary record it looks to see if the dictionary is already identified within its dictionary identification tables. If it is there, then it checks to make sure that the field offsets attached to its identification table match those in the 110 dictionary record. If they do not match a new offset table is built automatically. If there is no identification table for the dictionary record, one is built. The offset tables are then searched to find a matching offset table. If one is found, the identification record is updated with the offset table ID. If none is found, then a new offset table is built. The default CIMSCMFP CICS dictionary identification and offset tables (which match the standard IBM CICS dictionaries) are located in the CIMS.DATFILE(CMFPTABD).

CIMSCMF1/CIMSCMFP Input

- CICS Usage Data - DDNAME CMFIN

The input is a data set containing CICS usage data. This data set is created by CICS via the DFHMCT macro. CIMS also accepts data from third party monitor products such as Landmark's TMON, CA's Explore®/CICS and CANDLE'S Omegamon®/CICS. Third- party monitor data must first be converted to IBM's format by the monitor product's conversion utility.

- CICS Dictionary Identification and Offset Tables - DDNAME CICSTABS (CIMSCMFP only)

This data set points to the CICS dictionary identification and offset tables.

Note • You can use an exit in CIMSCMF1/CIMSCMFP to customize CIMSCMF1/CIMSCMFP for Omegamon (the exit is CIMSUR01). You can use Member ATMONJCL in CIMS.REPTLIB to process TMON 'TA' Records.

CIMSCMF1/CIMSCMFP Output

This program produces multiple data sets used for Chargeback and/or resource utilization reporting. In addition, one of the data sets contains SAP CICS transactions. You can also use these SAP transactions for Chargeback and resource utilization reporting. The output data sets are described in the following DDNAME sections.

- CICS Intermediate Transaction Accounting records - DDNAME CIMSCMF

The output written to this data set contains CIMS CICS Intermediate Transaction Accounting Records. These records are defined as intermediate, because account codes have not been added to the file. The file is a fixed block data set containing logical records of 200 characters. The blocksize is a function of your direct access devices. CIMS Lab recommends 1/2 track blocking.

Data records containing Low Values (X'00') for transaction ID, Terminal ID, Operator ID, Transaction Type, and Program Name have the X'00' data value transformed to asterisks or a character of choice. A complete record description is contained in data set CIMS.REPTLIB, member CICSRC01.

RECORD CICSRC01

The Performance Record CICSRC01 is the primary CIMSCMF1/CIMSCMFP record. The record is processed by program CIMSCMF2 to add account codes. The main function of program CIMSCMF2 is to add account codes based on a table lookup.

- Detail CICS Transactions - DDNAME CICSRECS

Output written to this data set contains detail CICS transactions. These transactions can be used for Chargeback and/or Resource Utilization reporting. The file is variable length. The length of each record depends on the release of CICS processed at your facility.

Standard record descriptions are contained in data set CIMS.REPTLIB. The members are CICSRC05 through CICSRCnn. The record definitions assume that the standard CICS dictionary for the specific release level is valid. Installations are allowed to customize the record layouts for CICS. If your installation has customized the CICS CMF 110 records, you must customize the CIMS record description for your release. You should review the *IBM CICS Customization Guide* to understand the contents of the CICS CMF 110 performance records.

RECORD CICSRC05

Detail Transaction Record for CICS Releases 1.7–2.2. This record is optional.

RECORD CICSRC06

Detail Transaction Record for CICS Releases 3.1 and 3.2 (OS/390 only). This record is optional.

RECORD CICSRC07

CICS Detail Transaction Record for CICS Release 3.3 (OS/390 only). This record is optional.

RECORD CICSRC08

CICS Detail Transaction Record for CICS Release 4.1 (OS/390 only). This record is optional.

RECORD CICSRC12

CICS Detail Transaction Record for CICS Release 5.1, Transaction Server 1.1 (OS/390 only). This record is optional.

RECORD CICSRC13

CICS Detail Transaction Record for CICS Release 5.2, Transaction Server 1.2 (OS/390 only). This record is optional.

RECORD CICSRC14

CICS Detail Transaction Record for CICS Release 5.3, Transaction Server 1.3 (OS/390 only). This record is optional.

■ **Exception Data Set - DDNAME CIMSEXOT (CIMSCMFP only)**

The output written to this data set contains the SMF 110 records that did not have a dictionary identification or offset table in CICSTAB. This data set allows for a "catch all" of all data records that did not have identifying dictionary records. This data set can be rerun through CIMSCMFP. This data set is very useful the first time a CICS regions data is processed through CIMSCMFP. Consider the following scenario. CIMSCMFP reads a 110 data record and searches for its corresponding table entries which do not exist, so the record is written to the exception file (CIMSEXOT). A couple of records later a dictionary record for the region is read, CIMSCMFP processes it and adds the information to its identification and offset tables. At the end of the run, the exception file contains only the data records that were processed before their corresponding dictionary entries. All that must be done is to rerun CIMSCMFP with the exception file as input and concatenate the first run's output with the second run's output.

■ **CICS Detail Data Set - DDNAME CIMSUNSP (CIMSCMFP only)**

The output written to this data set contains the SMF110 records from CICS Releases prior to 3.1. CIMSCMFP only supports CICS Releases 3.1 and above. This data set can be used as input to CIMSCMF1 to process the pre- 3.1 records.

CIMSCMF1/CIMSCMFP Record Definitions

Record definitions for each data set created by program CIMSCMF1/CIMSCMFP are distributed in CIMS.REPTLIB as member CICSRC01. CIMS Lab recommends that you review CIMS.REPTLIB.

CIMSCMF1/CIMSCMFP Reports

Program CIMSCMF1/CIMSCMFP is a data set interface program. The output report shows the number of each record type read and written.

The *CIMS Report Writer* system is used to create specific reports and to create CIMS Universal Chargeback and Transaction Records from CICS data.

A number of reports have been written for the various data sets. These reports show detail usage statistics by:

- Terminal ID
- User ID
- Transaction ID

These reports are listed in member AALEGEND in CIMS.REPTLIB. Sample reports are printed in the *CIMS Chargeback Report Writer Sample Reports for MVS*. You can customize each report easily. Reports can be submitted from the CIMS TSO Panel System.

Processing Requirements

The installation must decide on the level of CICS detail transaction reporting required. CICS produces a record for each transaction executed. CIMS writes condensed transactions to DDNAME CIMSCMF and complete detail transactions to DDNAME CICSRECS. The data written to both data sets can be used for CHARGEBACK and/or Resource Utilization. Obviously, the data written to DDNAME CIMSCMF requires less storage since these records are 200 characters each. The CICSRECS records are as large as the CICS CMF 110 records.

The CIMS Lab recommends that program CIMSCMF1/CIMSCMFP be processed daily. The volume of CICS transactions created on a daily basis is significant. An installation should process transactions on a daily basis. *Do not* wait until the end of the month to process.

The output data set from DDNAME CIMSCMF is processed through programs CIMSCMF2, CIMSCICS, and the *CIMS Report Writer*. These programs add accounting codes to create billing transactions and to generate resource reports. These programs are discussed in sections within this manual and in the *CIMS Chargeback Report Writer Sample Reports for MVS*.

The output from DDNAME CICSRECS is processed through programs CIMSUNIV and the *CIMS Report Writer*. The *CIMS Report Writer* is used to create resource utilization reports, PC files, and mainframe files. Program CIMSUNIV is used to create billing transactions for processing through the CIMS CHARGEBACK program, CIMSBILL.

CIMS CICS Requirements

Programs CIMCMF1/CIMSCMFP process CICS monitoring data and/or compatible SMF 110 record data created by CA (Explore), Candle Corporation (OMEGAMON), Landmark (TMON), and others.

CIMSCMF1 - CICS releases 1.5 through 2.2

CIMSCMF1 requires that all monitoring data be compatible with IBM's default (standard) dictionary for the specified CICS release level. If a non-standard (customized) dictionary is used, then the data written to CIMSCMF is invalid. The data written to DDNAME CICSREC is valid; however, you must update the CIMS record descriptions.

The installation can add dictionary entries at the end of each record, but must not delete dictionary entries. Check with your CICS support personnel to determine whether any changes have been made to the CICS monitoring facility.

Our experience has been that very few installations ever change the default dictionary and only one of the monitor vendors ignore the IBM defaults. However, you cannot depend on this.

There is absolutely no problem if your installation has changed the default dictionary. CIMS includes Report Writer reports that read the data from DDNAME CICSRECS and create compatible CIMSCMF records. Please review AALEGEND in CIMS.REPTLIB. This member points you to a record layout and report that is easily updated. If you have any questions on steps required to support CICS records created not using the default dictionary, call the CIMS Lab for technical support.

Note • For CICS 110 SMF records cut by Candle Corporations OMEGAMON, for releases lower than 3.1, you must implement the CIMS User Exit CIMSUR02. The source for this edit can be found in CIMS.DATAFILE (CIMSUR01). Review this source and make the appropriate changes. Then assemble the exit and re-link the load module CIMSCMF1 with the new exit using the sample JCL found in CIMS.DATAFILE (CICSASML).

CIMSCMFP - CICS releases 3.1 and higher

CIMSCMFP supports monitoring data that is in the default (standard) dictionary for the specified CICS release level and data that is in a non-standard (customized) format. To let CIMSCMFP know that it may be processing non-standard dictionary data the control statement TABLE FILE DEFAULTS OFF must be supplied. No other modifications are necessary. The data written to CIMSCMF will be valid and can be processed by CIMSCMF2. There is no need to run Report Writer to reformat the records.

CIMS Monitor Requirements

Monitor products such as TMON®, EXPLORE®, and OMEGAMON® create CICS monitor data. These monitor data sets can be used directly within CIMS by describing their contents to the CIMS Report Writer and creating CIMSUNIV or TRANS records.

CIMS supports these records. Monitor products create the records in either undefined or variable formats. The default for program CIMSCMF1/CIMSCMFP is to process monitor files as *variable length data sets*. See the control statements section to modify defaults.

Control Statement Table

Following is a summary of the control statements available for CIMSCMF1 and CIMSCMFP

CONTROL STATEMENT	PAGE #	DESCRIPTION
CICS TRANSACTIONS	[2-8]	Specifies CICS transactions are written to DDNAME CICSRECS.
HDx	[2-8]	Headline Information prints on each new page.
INPUT DATASET IS UNDEFINED	[2-8]	Specifies input data is recorded in undefined format.
INPUT DATASET IS VARIABLE	[2-8]	Specifies input data is recorded in variable format.
RETAIN ACCOUNTING CLASS RECORDS	[2-8]	Specifies to retain the CICS Accounting Class Records in the CIMS file.
TABLE FILE DEFAULTS OFF	[2-8]	Turns off the CICS standard (default) dictionary processing.
TABLE FILE DELETE	[2-9]	Deletes all dictionary tables from the CICSTABS data set that have not been referenced with this data format.
TABLE FILE LOAD	[2-9]	Causes CIMSCMFP to look only for dictionary record and building the corresponding ID and offset tables.
TABLE FILE PRINT	[2-9]	Causes CIMSCMFP to print all of the CIMSPRNT.

Control Statement Reference

Programs CIMSCMF1 and CIMSCMFP support the following control statements. Control statements are key words.

The statements are placed in the data set defined by DDNAME CIMSCNTL.

Control statements start in Column 1. If Column 1 contains an asterisk or space, the control statement is considered a comment.

CICS TRANSACTIONS

Specifies that detail CICS transactions are to be written to DDNAME CICSRECS. The default is *not* to write detail CICS transactions. This is detail data. All CICS performance records are written to this data set.

HDx

You can define up to three headline statements as follows to replace the default headlines specified in the program:

- HD1 Your Headline Text Line 1
- HD2 Your Headline Text Line 2
- HD3 Your Headline Text Line 3

INPUT DATASET IS UNDEFINED

- This statement specifies that the input data is recorded in undefined format.
- Some monitor products such as TMON write CICS data as undefined.
- This means the Record Descriptor Word (RDW) is missing.

INPUT DATASET IS VARIABLE (Default)

This statement specifies that the input data is recorded in variable format. This is the standard.

RETAIN ACCOUNTING CLASS RECORDS

This control statement retains the CICS Accounting Class Records in the CIMS file. Accounting Class records are available only for CICS release 1.7 through 2.2.

The CIMS default is to drop accounting class records.

TABLE FILE DEFAULTS OFF (CIMSCMFP Only)

This control statement turns off the CICS standard (default) dictionary processing. This statement must be supplied if you are using non-standard CICS dictionaries. The default is to process using standard CICS dictionaries.

TABLE FILE DELETE YYYYMMDD (CIMSCMFP Only)

This control statement deletes all dictionary tables from the CICSTABS data set that have not been referenced since YYYYMMDD.

TABLE FILE LOAD (CIMSCMFP Only)

This control statement causes the program CIMSCMFP to look only for dictionary record and build the corresponding identification and offset tables. No data records are processed, no output is written to CIMSCMF.

TABLE FILE PRINT (CIMSCMFP Only)

This control statement causes CIMSCMFP to print all of the dictionary identification and offset tables to CIMSPRNT. No CICS data is processed and no output is written to CIMSCMF.

OS/390 Sample Job Control (CIMSCMF1)

```
//CIMSCMF1 EXEC PGM=CIMSCMF1,REGION=OK
//STEPLIB DD DSN=CIMS.LOAD.MODULES,DISP=SHR
//CIMSPRNT DD SYSOUT=*
//*
//CMFIN1 DD DSN=CIMS.CICS.CMFDATA,DISP=SHR
//* DD DSN=CIMS.CIMSCMFP.UNSP,DISP=SHR
//*
//CIMSCMF2 DD DSN=CIMS.CICS.DATA,DISP=(,CATLG),
// SPACE=(CYL,(50,50),RLSE),UNIT=SYSDA,
// DCB=(RECFM=FB,LRECL=200,BLKSIZE=27800)
//*
//CICSRECS DD DSN=CIMS.CICS.DETAIL.TRANS,
// DISP=(NEW,CATLG,DELETE),UNIT=SYSDA,
// SPACE=(CYL,(50,50),RLSE),
// DCB=(RECFM=VB,BLKSIZE=27998)
//*
//CIMSSAP DD DSN=CIMS.CICS.SAP.DETAIL.TRANS,
// DISP=(NEW,CATLG,DELETE),UNIT=SYSDA,
// SPACE=(CYL,(50,50),RLSE),
// DCB=(RECFM=VB,BLKSIZE=27998)
//*
//CIMSPASS DD DSN=CIMS.DATAFILE(CIMSNUMS),DISP=SHR
//*
//CIMSCNTL DD *,DCB=BLKSIZE=80
CICS TRANSACTIONS
/*
```

¹INPUT: CICS monitor DATA/SMF 110 records

²OUTPUT: CIMS formatted CICS data

OS/390 Sample Job Control (CIMSCMFP)

```
//CIMSCMFP EXEC PGM=CIMSCMFP,REGION=OK
//STEPLIB DD DSN=CIMS.LOAD.MODULES,DISP=SHR
//CIMSPRNT DD SYSOUT=*
//*
//CMFIN1 DD DSN=CIM.CIMS.CICS51.DATA,DISP=SHR
//* DD DSN=CIMS.CIMSCMFP.EXOT,DISP=SHR
//*
//CIMSCMF2 DD DSN=CIMS.CICS.DATA,DISP=(,CATLG),
// SPACE=(CYL,(50,50),RLSE),UNIT=SYSDA,
// DCB=(RECFM=FB,LRECL=200,BLKSIZE=27800)
//*
//CICSRECS DD DSN=CIMS.CICS.DETAIL.TRANS,
// DISP=(NEW,CATLG,DELETE),UNIT=SYSDA,
// SPACE=(CYL,(50,50),RLSE),
// DCB=(RECFM=VB,BLKSIZE=27998),
//*
//CICSTABS3DD DSN=CIMS.DATAFILE(CMFPTABD),DISP=SHR
//*
//CIMSEXOT4DD DSN=CIMS.CIMSCMFP.EXOT,
// DISP=(NEW,CATLG,DELETE),UNIT=SYSDA,
// SPACE=(CYL,(50,50),RLSE),
// DCB=(RECFM=VB,LRECL=32756,BLKSIZE=32760),
//*
//CIMSUNSP5 DD DSN=CIMS.CIMSCMFP.UNSP,
// DISP=(NEW,CATLG,DELETE),UNIT=SYSDA,
// SPACE=(CYL,(50,50),RLSE),
// DCB=(RECFM=VB,LRECL=32756,BLKSIZE=32760)
//CIMSPASS DD DSN=CIM.DATAFILE(CIMSNUMS),DISP=SHR
//*
//CIMSCNTL DD *,DCB=BLKSIZE=80
CICS TRANSACTIONS
/*
```

¹INPUT: CICS monitor DATA/SMF 110 records

²OUTPUT: CIMS formatted CICS data

³INPUT: CICS dictionary identification and offset tables

⁴OUTPUT: CIMS transactions that did not have a matching identification or offset table

⁵OUTPUT: CICS records prior to release 3.1

CIMSCMF1 OS/390 Flow Chart

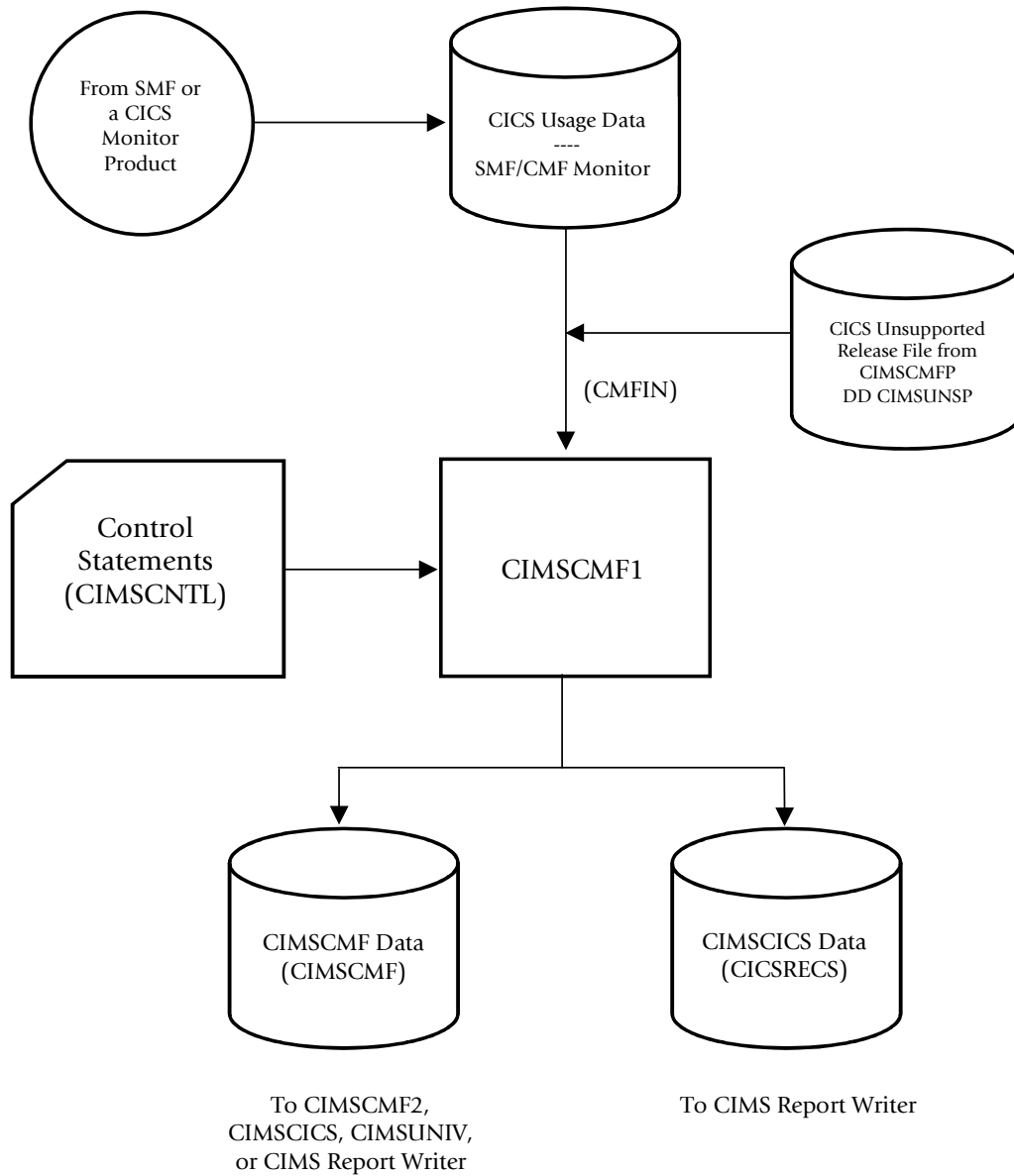


Figure 2-1 • CIMSCMF1 OS/390 Flow Chart

Note • Values in parentheses represent DDNAMES.

CIMSCMFP OS/390 Flow Chart

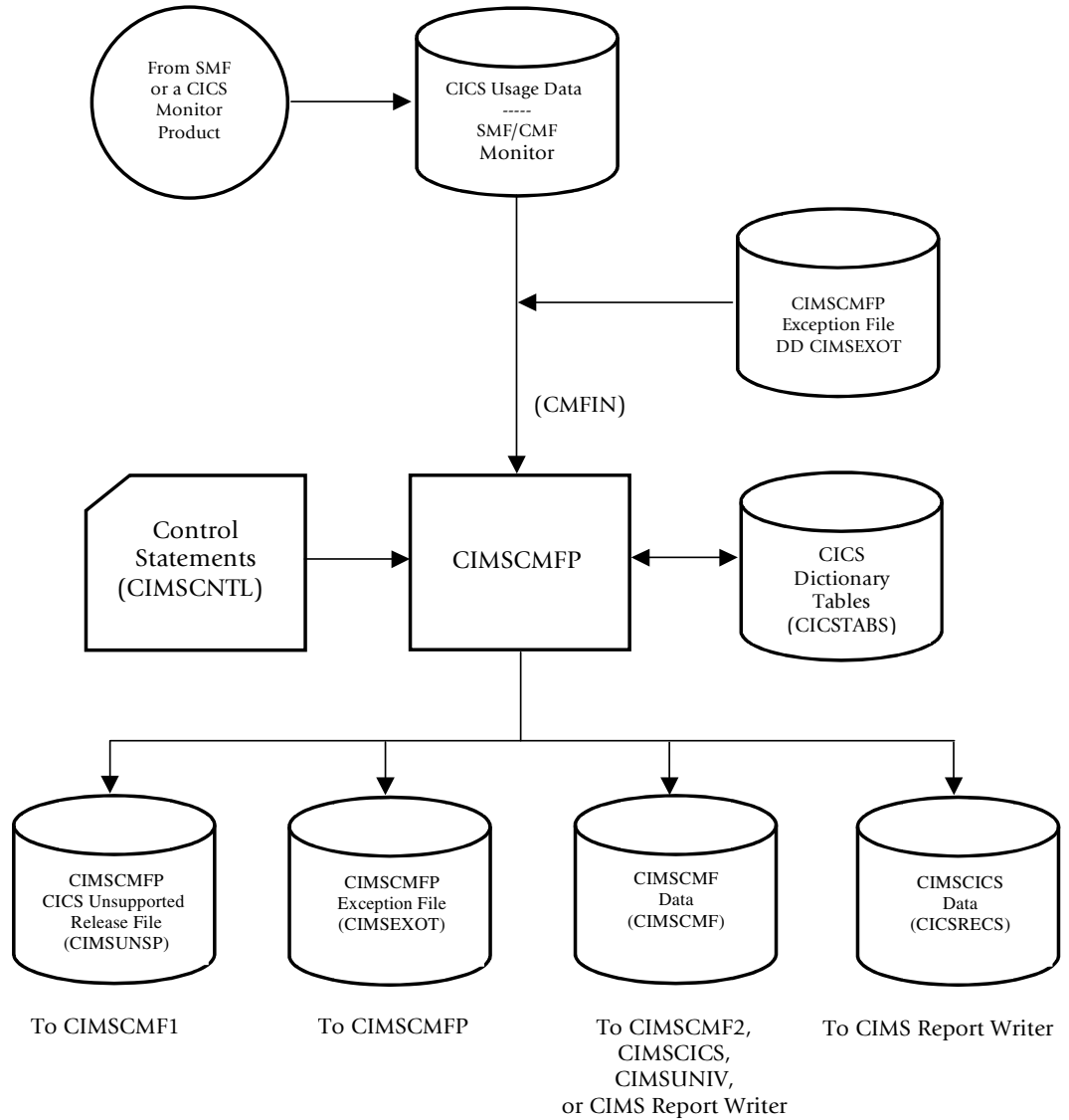


Figure 2-2 • CIMSCMFP OS/390 Flow Chart

Note • Values in parentheses represent DDNAMES.

CIMS CICS Account Code Creation Program—CIMSCMF2

Introduction	3-2
Using CIMS Server for Invoicing and Reporting CICS Transaction Data	3-2
CIMSCMF2 Input	3-3
CIMSCMF2 Output	3-4
Printed Output - DDNAME CIMSPRNT, CIMMSG	3-4
Processing Requirements	3-5
Control Statement Table	3-6
Control Statement Reference	3-7
CIMSCMF2 Primary Account Code Table	3-20
Bypassing The Account Code Table	3-20
CIMSCMF2 Alternate Account Code Table	3-20
Account Code Table (Record Definitions)	3-20
Account Code Table Processing Information	3-21
Account Code Table (Matching Information)	3-22
Account Code and CICS Resource File SORT Options	3-26
CIMSCMF2 Alternate Account Code Table	3-27
Alternate Account Code Table—Record Format	3-28
Alternate Account Code Table Format—User ID and Transaction ID	3-29
Alternate Account Code Table Processing Information	3-29
OS/390 Sample Job Control	3-31
CIMSCMF2 OS/390 Flow Chart	3-33

Introduction

Program CIMSCMF2 reads the intermediate CIMS CICS Transaction Accounting data set created by program CIMSCMF1/CIMSCMFP and/or the output data set previously created from CIMSCMF2 and writes an output data set.

Installations that *do not* use the CICS default dictionary, and also ran program CIMSCMF1 instead of CIMSCMFP (CICS releases prior to 3.1), must add a Report Writer step before processing program CIMSCMF2. The Report Writer step creates a CIMS CICS record, which then is processed by program CIMSCMF2.

CICS transaction data must be processed through programs CIMSCMF1/CIMSCMFP and CIMSCMF2 before processing through program CIMSCICS.

Using CIMS Server for Invoicing and Reporting CICS Transaction Data

CIMSSMF2 can generate a data set containing 791 records for input into CIMS Server. CIMSCMF2 writes 791 records to the CIMSACT2 DDNAME when requested by the WRITE control statement. These 791 records require additional processing by the CIMSEXTR to generate a self-defining comma delimited file (the CIMS Server Resource File). This file contains the data that is transferred to CIMS Server.

When using CIMS Server for invoicing and reporting, CICS transaction data must be processed through programs CIMSCMF1/CIMSCMFP and CIMSCMF2. The CIMSCICS program is not needed when using CIMS Server. Instead, the data set containing 791 records must be processed by CIMSEXTR. This program generates a CIMS Server Resource File that is transferred to CIMS Server. Refer to the CIMS Server chapter in the *CIMS Chargeback OS/390 User Guide* for additional detail about CIMSEXTR.

Reprocessing 791 CICS Records

CIMSCMF2 can re-process the 791 CICS records. CIMSCMF2 reads the 791 input from the CIMSIN DD.

Processing 804 and 791 Records

It is possible to process both 804 (the output data set previously created from CIMSCMF2) and 791 records in the same run of CIMSCMF2, but in most cases it is not necessary. For example, if you are producing invoices on both the mainframe and CIMS Server and you need to pass the data multiple times for account code conversion, you do not need to process both types of records. You can continue to reprocess the 804 record and then on the last iteration of CIMSCMF2, you specify the WRITE 791 control statement.

CIMSCMF2 Input

- Input Data Set - DDNAME CMFIN

This is the data set created by program CIMSCMF1/CIMSCMFP or the data set created by this program.

This data set contains the 703/803 and/or the 704/804 type records.

- Input Data Set - DDNAME CMSIN

This is the data set created by the program CIMSCMF2 containing 791 type CICS records.

- Control Statements - DDNAME CIMSCNTL

Control parameters are used to establish record selection.

- CIMS Server Dictionary - DDNAME CIMSDTVS

This data set contains the optional CIMS Server Dictionary definitions. Must be available when generating CIMS Server Job Accounting 791 records.

- Account Code Table Input - DDNAME CIMSTABL

The Account Code table translates multiple combinations of identification codes into the organization's account code structure. Identification codes include:

FIELD NAME	TABLE STARTING POSITION	CICSRC01 STARTING POSITION	CICSRC02 STARTING POSITION	LENGTH	EXAMPLE OR DESCRIPTION VALUE
APPLICATION ID	1	13	57	8	CICSREG1
USER ID	9	21	65	8	USER001
TERMINAL ID	17	49	49	4	TRM1
TRANSACTION ID	21	45	45	4	TRN1
OPERATOR ID	25	53	53	3	OP1
ACCOUNT CODE	28	13	13	32	ACCOUNT CODE
TRANSACTION CLASS NAME	60	121	121	8	TCLSNAME
VTAM LOGICAL UNIT NAME	68	129	129	8	LUNAME
VTAM NETNAME	76	137	137	20	NETNAME
UNIT OF WORK ID	96	101	101	8	UOWID
REMOTE SYSTEM ID	104	109	109	4	REMOTE SYSTEM ID
OS/390 SYSTEM ID	108	157	173	8	OS/390 SYSTEM ID

Note • OPERATOR ID is valid for CICS releases below 4.1. IBM dropped this field starting with 4.1.

Note • Use the Table Starting Position in DEFINE FIELD and DEFINE MOVEFLD statements. Use the CICSRC01 or CICSRC02 starting position for sorting.

This table can contain an unlimited number of entries for sorted tables. The maximum number of entries for non-sorted tables is dependent upon the amount of storage available to the program. Each CIMS CICS Transaction Accounting Record is processed against this table.

CIMSCMF2 Output

CIMSCMF2 generates the following output:

- Output Data Set - DDNAME CMFOUT

This output contains 804 type records. The output written to this data set is described in CIMS.REPTLIB member CICSRC02. The *CIMS Report Writer* system uses this data set for report generation. Program CIMSCICS uses the accounting records in the data set to create accounting transaction records.

- Output Data Set - DDNAME CIMSACT2

This output contains CIMS Server 791 type records. These records are written when requested by the WRITE control statement. The *CIMS Report Writer* system can also build reports on this data set using the record description in CIMRC791 in CIMS.REPTLIB.

- Output Data Set - DDNAME CMSEXOT

This is the CICS exception file that contains 804 records that were unmatched to any entry during account code conversion.

- Output Data Set - DDNAME CMSEXT1

This is the CICS exception file that contains 791 records that were unmatched to any entry during account code conversion.

- Printed Output - DDNAME CIMSPRNT, CIMSMMSG

Printed output that lists input parameters, the number of performance records read and written, and all processing messages.

Printed Output - DDNAME CIMSPRNT, CIMSMMSG

Printed output that lists the input parameters, shows the number of performance records read and written, and lists all records not matched in the Account Code Table is created.

Processing Requirements

Program CIMSCMF2 accepts either the data set created by program CIMSCMF1/ CIMSCMFP or the data set created by this program (that is: CICSRC01 or CICSRC02). The data set created by this program contains Account Codes for transactions matched with entries in the Account Code table. Transactions not matched retain their original value.

A sort of the input data file should precede the execution of CIMSCMF2. The sort places the input file in sequence by the control codes used to match data in the Account Code Table. The sort fields control statement is discussed under Account Code Table Preparation.

Program CIMSCMF2 provides extensive record selection capability. Record selection conditions control the amount of data written by CIMSCMF2. The time required to process the CIMSCMF2 system is directly related to the number of input records and the complexity of the Account Code table.

The CIMSCMF2 account code feature is very flexible and powerful and provides multiple options to improve speed.

Do *not* process significant volumes of CICS records through program CIMSCMF2 without sorting the records into the same order as the Account Code table. If you do not sort the records, performance is degraded. The time to process random records is excessive. Multiple sorts, using the exception file, process hundreds of times faster using minimal resources.

Control Statement Table

Following is a summary of the control statements available for CIMSCMF2.

CONTROL STATEMENT	PAGE #	DESCRIPTION
ACCOUNT CODE = keyword	[3-7]	Specifies the account code table lookup is bypassed and the account code should be based on the "Keyword".
ACCOUNT CODE CONVERSION	[3-8]	Specifies to use the account code table.
CHANGE * TO X	[3-8]	Specifies to replace all asterisks with x in certain fields when the field contains all HEX ZEROES.
DATE SELECTION	[3-9]	Selects data within the specified date range.
DEFAULT ACCOUNT CODE CONVERSION OFF	[3-9]	Disables defaults.
DEFAULT ALWAYS/YES/EXCEPTION	[3-10]	Controls the matching process for the CIMS Server dictionary.
DEFINE FIELD	[3-10]	Defines fields for account code table processing.
DEFINE MOVEFLD	[3-11]	Defines fields to be moved into the account code fields.
EXCEPTION FILE PROCESSING OFF	[3-13]	Turns off the writing of the unmatched account codes (during account code conversion) to the no match data set.
EXCLUDE	[3-13]	Allows the exclusion of certain record from processing.
EXIT	[3-15]	Specifies the calling of the User Exit CIMSACU3.
INPUT EXIT	[3-16]	Specifies the calling of the User Exit CIMSUE36.
LIMIT DCTN004W MSG TO	[3-16]	Limits the number of DCTN004W messages issued.
ON EMPTY INPUT FILE SET RC TO	[3-16]	Sets the return code when no valid input records are processed.
OUTPUT EXIT	[3-17]	Specifies the calling of the User Exit CIMSUE38.
RESET	[3-17]	Always start Alternate Account Code search from the top of the table.
SHIFT	[3-18]	Allows specifying up to 9 shifts.

CONTROL STATEMENT	PAGE #	DESCRIPTION
VERSION	[3-19]	Overrides the Version number in the CIMS Server dictionary key.
WRITE	[3-19]	Writes 791 records for CIMS Server.

Control Statement Reference

Program CIMSCMF2 supports input control statements that specify processing options. These control statements are *optional*.

ACCOUNT CODE = keyword

This control statement specifies that the Account Code table lookup is to be bypassed, and that the ACCOUNT CODE field should be filled based on the control statement parameter following the '=' sign.

The following control statement word values are supported:

```
APPLID USERID TRANID
USERID
USERID APPLID
USERID TRANID
```

Note • If you need other values placed in the account code field, use the MOVEFLD feature. See *DEFINE MOVEFLD_{x,y,z}*, on page 3-11.

These values specify the placement of the CICS USERID, a USERID TRANID, or USERID APPLID into the Account Code field of the CIMSCMF2 output records.

Note • APPLID is an 8-character field.
TRANID is a 4-character field.
USERID is an 8-character field.

CICS transactions with asterisks (*) in the USERID field are written to the Exception file when Exception File processing is specified. Remember, program CIMSCMF1/ CIMSCMFP converted low values x'00' to asterisks for USERID, TRANID, TERMID, OPERID and Program Name.

Examples

To specify the placement of USERID into the account code field, supply the following control statement:

```
ACCOUNT CODE = USERID
```

To specify the placement of USERID TRAN ID into the account code field, supply the following control statement:

```
ACCOUNT CODE = USERID TRANID
```

Note • The account code field starts at offset 13.

Use BROWSE (ISPF) to view the contents of converted CIMS CICS records.

ACCOUNT CODE CONVERSION

This control statement specifies processing of the CIMS Account Code Conversion module. If this control statement is not present, then *no* account code conversion is performed. CIMSCMF2 assumes the Account Code table is *random*. This is acceptable as long as the table is small (fewer than 100 records).

Example

```
ACCOUNT CODE CONVERSION
```

Or

```
ACCOUNT CODE CONVERSION INPUT IS RANDOM
```

The account table search always starts from the beginning. This technique is *required* if you want to use a CATCH-ALL entry at the end of the table to catch all unmatched identification codes. Otherwise, the unmatched account code records are written to the exception file.

```
ACCOUNT CODE CONVERSION INPUT IS SORTED
```

CIMS searches the table sequentially. On each record read from the sorted resource file, the account code table is searched starting from the location of the previous match. This is the most efficient technique for a table search. This is the recommended processing option.

- The table is searched only once.
- Unmatched account codes are written to the exception file.
- CIMS automatically changes the default search technique when wild card characters are found in the account code table. If wild cards are present, the table is assumed to be random and therefore the search always starts from the beginning of the table.
- This control statement overrides the CIMS default search technique, which is to always start searching from the beginning of the table.

CHANGE * TO X

Program CIMSCMF1/CIMSCMFP placed all asterisks in the following fields when the field contains all HEX ZERO (X'00') values.

- The CICS Monitor Facility places X'00' in fields that are not filled.
- The fields User ID, Transaction ID, Terminal ID, Operator ID, and Program Name are interrogated by program CIMSCMF1/CIMSCMFP for HEX ZEROS (X'00'). If the field is X'00', CIMS replaces the field with asterisks (X'5C').
- You can change the value asterisk to a value of your choice.

Example

```
CHANGE * TO #
```

The above control statement changes the value asterisk (X'5C') to pound sign (x'7B') in the fields User ID, Transaction ID, Terminal ID, Operator ID and Program Name.

DATE SELECTION x y

Records that fall within the specified date range are selected for processing.

x = Low Date in YYYYMMDD

y = High Date in YYYYMMDD

You can use a CIMS control statement date selection value in place of the X and Y values above. Control statement date selection statements calculate the following dates automatically:

Keyword	Description
**CURDAY	Sets date range based on run date and run date less one day.
**CURWEK	Sets date range based on run week (Sun—Sat).
**CURMON	Sets date range based on run month.
**PREDAY	Sets date range based on run date, less one day.
**PREWEK	Sets date range based on previous week (Sun—Sat).
**PREMON	Sets date range based on previous month.
CURRENT	Sets date range based on current period from CIMS calendar file.
PREVIOUS	Sets date range based on previous period from CIMS calendar file.

The default value is 19880101 (low), 20991231 (high). Normal operation is to use the default values.

DEFAULT ACCOUNT CODE CONVERSION OFF

This control statement will turn off the default account code conversion that is done by CIMSCMF2. When no account code conversion is defined, CIMSCMF2 will use ACCOUNT CODE = APPLID USERID TRANID. Including this control statement will prevent the default account code conversion from being executed. This control statement may be useful when executing CIMSCMF2 to build 791 records.

DEFAULT ALWAYS/YES/EXCEPTION

This control statement controls how the CIMS Server dictionary file is read. If the default CIMS Server dictionary is implemented, then all subsystem input should use default definitions and you should specify `DEFAULT ALWAYS`. This sets all input to use the default definitions.

`DEFAULT YES` is the default value. It sets the processing to look for a matching dictionary entry using the Box Identification field (refer to the CIMS Server chapter of the *CIMS Chargeback OS/390 User Guide*). If no match is found, then the default is used. This setting is helpful in situations where the dictionary contains some custom definitions. `DEFAULT YES` allows you to define only those subsystems that require customization. All other subsystems use the default definition.

`DEFAULT EXCEPTION` indicates that processing should always access the dictionary using the Box Identification. However, if a match is not found, processing will stop. You can update the dictionary to correct a "no match" condition. Thereafter, you can reprocess the data with the proper dictionary definitions.

DEFINE FIELDx,y,z,

The `DEFINE` record specifies the CICS Identification Codes to be used for account code conversion. The available fields are:

FIELD NAME	TABLE STARTING POSITION	CICSRC01 STARTING POSITION	CICSRC02 STARTING POSITION	LENGTH	EXAMPLE OR DESCRIPTION VALUE
APPLICATION ID	1	13	57	8	CICSREG1
USER ID	9	21	65	8	USER001
TERMINAL ID	17	49	49	4	TRM1
TRANSACTION ID	21	45	45	4	TRN1
OPERATOR ID	25	53	53	3	OP1
ACCOUNT CODE	28	13	13	32	ACCOUNT CODE
TRANSACTION CLASS NAME	60	121	121	8	TCLSNAME
VTAM LOGICAL UNIT NAME	68	129	129	8	LUNAME
VTAM NETNAME	76	137	137	20	NETNAME
UNIT OF WORK ID	96	101	101	8	UOWID
REMOTE SYSTEM ID	104	109	109	4	REMOTE SYSTEM ID
OS/390 SYSTEM ID	108	157	173	8	OS/390 SYSTEM ID
PROGRAM NAME	116	73	73	8	PROGRAM NAME

Use the Table Starting Position in DEFINE FIELD and DEFINE MOVEFLD statements. Use the CICSRC01 or CICSRC02 starting position for sorting.

Ten define statements are supported. The data fields specified by the define statements are placed into four eight-character fields. These eight-character fields are then compared to the LOW and HIGH account code table values.

Each field is separated by a comma.

FIELD	DESCRIPTION
DEFINE FIELDX,Y,Z	Control Statement Identification
(X)	A value from 1 to 10
(Y)	Field Location (1-115)
(Z)	Field Length (1-8)

Defined fields that are less than eight characters are padded with spaces.

Example

```
DEFINE FIELD1,68,8,
```

This statement specifies that field one should contain the value of the VTAM Logical Unit Name.

DEFINE MOVEFLDx,y,z,

This control statement is used to define the input location and length of a field to be moved or copied into the CIMS Account Code field.

Ten DEFINE MOVEFLD statements are supported. The data fields specified by DEFINE MOVEFLD statements are moved into specified targets in the Account Code Conversion Table.

Targets are specified with @1, @2, @3, @4, @5, @6, @7, @8, @9, and @10.

Each value is separated by a comma.

The CIMS program will evaluate an @10 specified in an account code table entry as a MOVEFLD10 if one has been defined. If a MOVEFLD10 has not been defined, then CIMS will evaluate this as a MOVEFLD1 followed by a literal 0.

VALUE	DESCRIPTION
DEFINE MOVEFLDX,Y,Z	Control Record Identification
(X)	A value from 1 to 10
(Y)	Field Location (1-115)
(Z)	Field Length (1-8)

Move Field values replace @1 - @10 in the CIMS Account Code Table.

Example

```
DEFINE MOVEFLD1,21,4,
```

The Transaction ID contained in the CIMS CICS record is placed into the account code field based on the specification contained in the account code conversion table.

MOVE FIELD LITERALS

Literals can be defined with the MOVEFLD statement as follows:

```
DEFINE MOVEFLD4,,,'LITERAL'
```

(LITERAL is a 1 - 8 character value enclosed in single quotes)

The word LITERAL would be placed into the CIMS Account Code Field whenever an @4 was encountered in the Account Code Table.

Example

```
DEFINE MOVEFLD2,,,'CICSPRD1'
```

The literal CICSPRD1 would be placed into the Account Code field based on the specifications contained in the account code conversion table.

EXCEPTION FILE PROCESSING OFF

The CIMS default is to write records to the exception file when a match is *not* found in the Account Code table and the account code field contains asterisks (*).

This control statement specifies that CICS transactions that fail to find a table match in the Account Code Table are not to be written to an Exception File, they are to be written to the CIMSACCT file with their original Account Codes. The information written to the Exception File contains an asterisk (*) in the Account Code field, positions 13 through 28. These records can be reprocessed through this program in a subsequent run.

DDNAME CIMSEXOT defines the Exception Processing file. The data records written to DDNAME CIMSEXOT are compatible with the data records written to DDNAME CMFOUT.

You can create reports using the CIMS standard reports available in CIMS.REPTLIB. See member AALEGEND in CIMS.REPTLIB under *CICS Reports* on page 4-15 for a complete listing of available CICS reports. The CIMS Report Writer product supports the CIMS CICS records. Extensive reporting capabilities are provided.

EXCLUDE identifier x y

The EXCLUDE statement allows you to exclude certain records or ranges of records from CIMSCMF2 processing, where:

```

identifier =      APPLID
                  OPERID
                  PROGRAM
                  TERMID
                  TRANID
                  TRANTYPE
                  USERID

```

and

```
x =              low value
```

```
y =              high value
```

Therefore, for each statement specified, all records greater than or equal to x and records less than or equal to y are excluded from processing. If the y (high value) is not present, the low value is assumed.

- A maximum of 100 EXCLUDE statements *per identifier* can be specified.
- The values for x and y vary according to the identifier used. The following chart shows the possible values.

IDENTIFIER	X,Y LENGTH	DESCRIPTION
APPLID	8 characters	Application ID
OPERID	3 characters	Operator ID (Valid on CICS releases lower than 4.1)
PROGRAM	8 characters	Program Name
TERMID	4 characters	Terminal ID
TRANID	4 characters	Transaction ID
TRANTYPE	1 character	Transaction Type
USERID	8 characters	User ID

The following examples show the use of the EXCLUDE statement.

Examples

```
EXCLUDE APPLID CICS MVS1 CICS MVS9
```

This statement specifies that records with APPLIDs greater than or equal to CICS MVS1 and less than or equal to CICS MVS9 should be excluded from processing.

```
EXCLUDE TRANID PAY0 PAY5
```

This statement specifies that records with Transaction IDs greater than or equal to PAY0 and less than or equal to PAY5 should be excluded from processing.

```
EXCLUDE USERID SWANSONB
EXCLUDE USERID JONES001
```

These statements specify that records with a USERID of SWANSONB or JONES001 should be excluded from processing.

EXIT

This control statement specifies the calling of a user-supplied exit routine. This feature lets you include program logic in the generation of Account Codes and to bypass the CIMS Account Code Table search routine.

If EXIT is present, program CIMSCMF2 executes the Cobol statement:

```
CALL 'CIMSACU3' USING CMF-REC1, WORK-AREA
```

CMF-REC contains the address of the first character of the input data record. (See [Appendix A, Record Descriptions](#) for a description of CIMSCICS record CICSRC01 or CICSRC02).

WORK-AREA is defined as follows:

```
RETURN-FLAG  PIC X
APPLID        PIC X(08)
USERID        PIC X(08)
```

The value of the RETURN-FLAG is SPACES on entry unless at end of job. At end of job, the value is set to HIGH values.

On exit, you can place the following values in the RETURN-FLAG:

- SPACES specifies to continue processing.
- 1 specifies that the input record is to be written on the output data set as is. No account code processing should be done. Processing is to continue with a new input record.
- Any other value specifies that the input record is to be dropped. Processing is to continue with a new input record. CIMS does not recommend dropping records.

CIMS distribution material includes Cobol source statements for the exit routine. See member CIMSUSER of data set CIMS.DATFILE. Look for entry CIMSACU3.

Note • This EXIT should be used only to interrogate identification codes and change the account code field.

- ¹CMF-REC is the output of program CIMSCMF1/CIMSCMFP or the output of program CIMSCMF2. Be sure to review both record descriptions.
- A X'03' in position 2 of a record indicates INPUT record is in CICSRC01 format.
- A X'04' in position 2 of a record indicates INPUT record is in CICSRC02 format.

INPUT EXIT

This control statement specifies the calling of a user-supplied exit routine. This feature lets you interrogate data records, and this exit can change any field within the record. It is called before any other EXIT.

If INPUT EXIT is present, program CIMSCMF2 executes the Cobol statement:

```
CALL 'CIMSUE36' USING ICMF-REC1, RETURN-FLAG
```

ICMF-REC contains the address of the first character of the input data record. (See [Appendix A, Record Descriptions](#) for description of CIMSCICS record CICSRC01 or CICSRC02.)

RETURN-FLAG is defined as follows:

```
RETURN-FLAG    PIC X
```

The value of the RETURN-FLAG is SPACES on entry unless at end of job. At end of job, the value is set to HIGH values.

On exit, you can place the following values in the RETURN-FLAG:

- SPACES specify to continue processing.
- High values specify that the input record is to be dropped. Processing is to continue with a new input record. CIMS does not recommend the dropping of records.

CIMS distribution material includes Cobol source statements for the exit routine. See member CIMSUSER of data set CIMS.DATFILE. Look for entry CIMSUE36.

¹ICMF-REC is the output of program CIMSCMF1/CISMCMFP or the output of program CIMSCMF2. Be sure to review both record descriptions.

- A X'03' in position 2 of a record indicates INPUT record is in CICSRC01 format.
- A X'04' in position 2 of a record indicates INPUT record is in CICSRC02 format.

LIMIT DCTN004W MSG TO n

Limits the number of DCTN004W messages issued. This message occurs when a request to build a Define User Field or Box identifier cannot be honored. The default is 100.

ON EMPTY INPUT FILE SET RC TO nnnn

Where nnnn = numeric value from 0 to 9999.

When this control statement is present, CIMSCMF2 will end with a return code value of nnnn when no valid input records are processed. The default return code is 16 when no valid input records are processed.

Example

```
ON EMPTY INPUT FILE SET RC TO 0
```

If no valid input records are processed by CIMSCMF2, the program will end with a return code of 0.

OUTPUT EXIT

This control statement specifies the calling of a user-supplied exit routine. This feature lets you include program logic to interrogate the output record, immediately before the record is to be written.

If OUTPUT EXIT is present, program CIMSCMF2 executes the Cobol statement:

```
CALL 'CIMSUE38' USING OCMF-REC1, RETURN-FLAG
```

OCMF-REC contains the address of the first character of the input data record. (See [Appendix A, Record Descriptions](#) for a description of CIMSCICS record CICSRC02).

RETURN-FLAG is defined as follows:

```
RETURN-FLAG      PIC X
```

The value of the RETURN-FLAG is SPACES on entry unless at end of job. At end of job, the value is set to HIGH values.

On exit, you can place the following values in the RETURN-FLAG.

- SPACES specify to continue processing.
- High values specify that the input record is to be dropped. Processing is to continue with a new input record. CIMS does not recommend the dropping of records.

CIMS distribution material includes Cobol source statements for the exit routine. See member CIMSUSER of data set CIMS.DATFILE.

¹OCMF-REC is defined by CICSRC02.

RESET

Note • Applies to CIMSCMF2 Alternate Table only.

If present, this statement specifies that the table search for Account Codes should start at the first table entry. The CIMS default is to start the table search at the location of the previous match.

SHIFT [DAY] [CODE] [END TIME] [CODE] [END TIME] [CODE] [END TIME]

This indicates 3 shifts; however, you can specify up to 9 shifts.

Shift Records define work shifts. Up to nine shifts per day can be specified on a Shift Record. Nine entries make up a shift record:

- Day of Week
- Shift Code
- Shift End Time
- Shift Code
- Shift End Time
- Shift Code
- Shift End Time...

Seven Shift records are supported, one for each day of the week. Shift times are input in hours and minutes using the 24-hour clock. Hours and minutes are put together.

Example

8:30 am is input ==> 0830
 1:00 pm is input ==> 1300
 8:30 pm is input ==> 2030

The following rules apply to Shift records.

-
- Rule 1** Day is defined by the first three letters of the day of the week.
 - Rule 2** Start Time must be less than Intermediate Time, which must be less than End Time.
 - Rule 3** Start, Intermediate, and End Time must all be input.
 - Rule 4** Shift Code must be input.
-

SHIFT CODE Examples

No shift spans midnight.

Monday through Friday -

-
- Shift 1** 5:00 am to 8:00 am *and* 3:30 pm to 5:00 pm
 - Shift 2** 8:00 am to 11:30 am *and* 1:30 pm to 3:30 pm
 - Shift 3** 5:00 pm to 8:00 pm
 - Shift 4** 9:30 pm to 24:00 pm *and* 00:00 am to 5:00 am
-

Shift 5 11:30 am to 1:30 pm *and* 8:00 pm to 9:30 pm

Saturday through Sunday -

Shift 1 8:00 am to 5:00 pm

Shift 2 5:00 pm to 24:00 pm *and* 00:00 am to 8:00 am

Shift SUN 2 0800 1 1700 2 2400
 Shift MON 4 0500 1 0800 2 1130 5 1330 2 1530 1 1700 3 2000 5 2130 4 2400
 Shift TUE 4 0500 1 0800 2 1130 5 1330 2 1530 1 1700 3 2000 5 2130 4 2400
 Shift WED 4 0500 1 0800 2 1130 5 1330 2 1530 1 1700 3 2000 5 2130 4 2400
 Shift THU 4 0500 1 0800 2 1130 5 1330 2 1530 1 1700 3 2000 5 2130 4 2400
 Shift FRI 4 0500 1 0800 2 1130 5 1330 2 1530 1 1700 3 2000 5 2130 4 2400
 Shift SAT 2 0800 1 1700 2 2400

CIMS DEFAULT SHIFTS

Sunday through Saturday

Shift 1 08:00 am to 04:30 pm

Shift 2 04:30 pm to 24:00 pm

Shift 3 00:00 am to 08:00 am

VERSION

The VERSION control statement directs processing to use a non-default version of the CIMS Server dictionary definitions. By default, a value of zero is used. The VERSION control statement will override the default value and access to the CIMS Server dictionary will use the alternate version number when building the record key.

x - Identifies the version number. Must be a value between 00 and 99.

WRITE nnn

This statement controls the writing of the CIMS Server Job Accounting files. In order to successfully create the CIMS Server accounting files the CIMS Server Dictionary file must be available. This dictionary gives you the ability to customize the information that will be sent to CIMS Server. In most cases, the default dictionary will be sufficient to get you started using the CIMS Server product.

Example

WRITE 791

The CIMS Server Job Accounting 791 records will be written to the DDNAME CIMSACT2. The 791 records need to be summarized and converted to CIMS Server Resource records. See the Extract Routine; program CIMSEXTR, for details of this process.

CIMSCMF2 Primary Account Code Table

Each installation has different account code requirements. The CIMS product provides a flexible method of assigning account codes. Account codes are assigned by matching entries of the input identification fields to values in the account code table.

- The account codes defined within the table are prepared to correspond to the account code structure used for batch jobs.
- The account code table can contain up to 40,000 entries. If you need more than 40,000 entries, use multiple passes or call technical support for suggestions.
- These entries contain LOW and HIGH values for record matching. This allows a table entry to define an account code to a range of identification codes.

Bypassing The Account Code Table

You can bypass the account code table look-up. Possible reasons to bypass the account code table are:

- An account code table is called from program CIMSACCT.
- An Input Identification Code is the Account Code.

To bypass the Account Code table look-up, let the account table be null and supply the Account Code Conversion control statement.

The DEFINE statement is supported when the account code table is null.

The values specified in the DEFINE statements become the account code.

CIMSCMF2 Alternate Account Code Table

CIMSCMF2 provides two account code conversion tables. The alternate table is compatible with previous releases of CIMS and can meet the needs of some users better than the primary table. See *CIMSCMF2 Alternate Account Code Table* on page 3-27.

Account Code Table (Record Definitions)

The account code table is defined as follows:

- Data records cannot exceed 200 characters.
- The format of each record is free form with entries separated by commas.
- The first entry is the LOW Identification Code value (maximum 80 characters, ten groups of 8).
- The second entry is the HIGH Identification Code value (maximum 80 characters, ten groups of 8).
- When the second entry is null, the first field is placed into the second field and padded with high values (x'FF').

- The third entry is the Account Code value that replaces identification codes that are greater than or equal to the LOW value and less than or equal to the HIGH value.
- Entries within the low and high compare fields can be separated into four 8-byte fields by using a delimiter colon (:) within the field.

Account Code Table Processing Information

- The maximum number of Account Code table entries is unlimited for sorted tables. For non-sorted tables, the maximum number of entries is dependant upon the storage available to the program. If you require more than can be allocated, use a smaller table for the 1st run and then process the no-match file with a second execution using the rest of the table.
- The compare tests are equal to or greater than the LOW and equal to or less than the HIGH.
- The input table can be in any order. However, the program executes significantly faster if the account table is in the same sequence as the input data set (that is, High Level Qualifier) and if ACCOUNT CODE CONVERSION INPUT IS SORTED is specified.
- When ACCOUNT CODE CONVERSION INPUT IS SORTED is specified, the account code table is searched starting at the first value until a match is found. When a match is found, the location of the match is saved and the search for the next transaction identification code starts at that location.
- If a match is not found, the record is written to the Exception data set and a message is printed showing the identification code for the unmatched transaction. A maximum of 100 messages prints.
- Data defined by this table is read from DDNAME CIMSTABL.
- Each data value can contain up to 80 characters (excluding colons).
- A comma (,) delimits a data value.
- A colon (:) separates qualifier nodes.
- The asterisk (*) and question mark (?) characters can be used as wild card characters in both the low and high table entries.
- Account codes specified by the account code table should be compatible with the account codes specified for Batch, TSO, and so forth.
- When a wild card character is used, the account code conversion file is searched from *top to bottom* looking for a match. This is time consuming for large Account Code tables.
- When processing a new account code table entry, if the characters @10 are encountered, CIMS will evaluate this as a MOVEFLD10 statement if a MOVEFLD10 was present in the control cards. Otherwise, CIMS will evaluate this as a MOVEFLD1 followed by a literal 0.

Account Code Table (Matching Information)

- Each 8-character low node field and each 8-character high node field is compared to the corresponding 8-character identification code. If the compares are true, the account code is assigned.
- Each LOW/HIGH select value occupies an 8-character field. The low value fields are padded with X'00' and the high value fields are padded with X'FF'.
- The high value field is set equal to the low value field + (high padding) when the high value field is null.
- When a match is not found, the identification code is printed. No data is written to the CIMS Account file unless the `EXCEPTION FILE PROCESSING OFF` control statement was specified.
- The unmatched record is written to the no-match data set for future processing by default. To write out the unmatched records to the `CIMSACCT OUTPUT DD` with their original Account Code values, specify `EXCEPTION FILE PROCESSING OFF`.
- The no-match data set is defined as `DDNAME CIMSEXIN` for input and `CIMSEXOT` for output.

CICS Account Code Table Examples

Following are several examples that translate various CICS identification codes into Account Codes:

For the purpose of these examples, assume that the CICS Identification data is as follows:

Example 1

Translate CICS User IDs to an Account Code

Table 3-1 • SAMPLE CICS IDENTIFICATION CODES

FIELD NAME	TABLE STARTING POSITION	CICSRC01 STARTING POSITION	CICSRC02 STARTING POSITION	LENGTH	EXAMPLE OR DESCRIPTION VALUE
APPLICATION ID	1	13	57	8	CICSREG1
USER ID	9	21	65	8	USER001
TERMINAL ID	17	49	49	4	TRM1
TRANSACTION ID	21	45	45	4	TRN1
OPERATOR ID	25	53	53	3	OP1
ACCOUNT CODE	28	13	13	32	ACCOUNT CODE
TRANSACTION CLASS NAME	60	121	121	8	TCLSNAME
VTAM LOGICAL UNIT NAME	68	129	129	8	LUNAME
VTAM NETNAME	76	137	137	20	NETNAME
UNIT OF WORK ID	96	101	101	8	UOWID
REMOTE SYSTEM ID	104	109	109	4	REMOTE SYSTEM ID
OS/390 SYSTEM ID	108	157	173	8	OS/390 SYSTEM ID
PROGRAM NAME	116	73	73	8	PROGRAM NAME

Use the Table Starting Position in DEFINE FIELD and DEFINE MOVEFLD statements. Use the CICSRC01 or CICSRC02 starting position for sorting.

DEFINE FIELDS

```
DEFINE FIELD1,9,7,
```

Note • Position 9 is the first character of USERID.

TABLE ENTRY

```
USER001,,AABBB
```

Explanation

CICS USERID (USER001) is translated into account code AABBB.

Example 2

Charge CICS USERID (USER001) when using Transaction ID TRN1 to Account AABBB.
 Charge CICS USERID (USER001) when using Transaction ID TRN2 to Account AACCC.

Table 3-2 • SAMPLE CICS IDENTIFICATION CODES

FIELD NAME	TABLE STARTING POSITION	CICSRC01 STARTING POSITION	CICSRC02 STARTING POSITION	LENGTH	EXAMPLE OR DESCRIPTION VALUE
APPLICATION ID	1	13	57	8	CICSREG1
USER ID	9	21	65	8	USER001
TERMINAL ID	17	49	49	4	TRM1
TRANSACTION ID	21	45	45	4	TRN1
OPERATOR ID	25	53	53	3	OP1
ACCOUNT CODE	28	13	13	32	ACCOUNT CODE
TRANSACTION CLASS NAME	60	121	121	8	TCLSNAME
VTAM LOGICAL UNIT NAME	68	129	129	8	LUNAME
VTAM NETNAME	76	137	137	20	NETNAME
UNIT OF WORK ID	96	101	101	8	UOWID
REMOTE SYSTEM ID	104	109	109	4	REMOTE SYSTEM ID
OS/390 SYSTEM ID	108	157	173	8	OS/390 SYSTEM ID
PROGRAM NAME	116	73	73	8	PROGRAM NAME

Use the Table Starting Position in DEFINE FIELD and DEFINE MOVEFLD statements.
 Use the CICSRC01 or CICSRC02 starting position for sorting.

DEFINE FIELDS

DEFINE FIELD1,9,7, First 7 Positions of USER-ID

DEFINE FIELD2,21,4, 4 Positions of TRAN-ID

TABLE ENTRY

USER001:TRN1,,AABBB
 USER001:TRN2,,AACCC

Explanation

CICS usage for USERID (USER001) is charged to account code AABBB when TRN1 is used and to account AACCC when TRN2 is used.

Example 3

Translate ranges of User IDs to account codes, but keep the original User ID and Transaction ID in the CIMS Account Code field for detail reporting.

Table 3-3 • SAMPLE CICS IDENTIFICATION CODES

FIELD NAME	TABLE STARTING POSITION	CICSRC01 STARTING POSITION	CICSRC02 STARTING POSITION	LENGTH	EXAMPLE OR DESCRIPTION VALUE
APPLICATION ID	1	13	57	8	CICSREG1
USER ID	9	21	65	8	USER001
TERMINAL ID	17	49	49	4	TRM1
TRANSACTION ID	21	45	45	4	TRN1
OPERATOR ID	25	53	53	3	OP1
ACCOUNT CODE	28	13	13	32	ACCOUNT CODE
TRANSACTION CLASS NAME	60	121	121	8	TCLSNAME
VTAM LOGICAL UNIT NAME	68	129	129	8	LUNAME
VTAM NETNAME	76	137	137	20	NETNAME
UNIT OF WORK ID	96	101	101	8	UOWID
REMOTE SYSTEM ID	104	109	109	4	REMOTE SYSTEM ID
OS/390 SYSTEM ID	108	157	173	8	OS/390 SYSTEM ID
PROGRAM NAME	116	73	73	8	PROGRAM NAME

Use the Table Starting Position in DEFINE FIELD and DEFINE MOVEFLD statements. Use the CICSRC01 or CICSRC02 starting position for sorting.

DEFINE FIELDS

```
DEFINE FIELD1,9,7,                               First 7 positions of USER-ID
DEFINE MOVEFLD1,9,7,                             =@1       First 7 positions of USER-ID
DEFINE MOVEFLD2,21,4,                             =@2       4 positions of TRAN-ID
```

TABLE ENTRY

```
USER001,USER009,AABBB@1@2
```

Explanation

CICS usage for User IDs USER001 through USER009 is charged to account code AABBB.

The original User ID and the Transaction ID are appended to the account code. @1 specifies the first MOVE field and @2 specifies the second MOVE field.

Example

ACCOUNT CODE FIELD = AABBB USER001 TRN1 (Spaces added for readability)

Account Code and CICS Resource File SORT Options

CIMSCMF2 executes significantly faster if the Account Code Table and the CICS Resource File are in the same sort order.

Use the following information to determine the appropriate sort fields.

INPUT = CICSRC01 See *Report Writer Name = CICSRC01* on page A-3.

INPUT = CICSRC02 See *Report Writer Name = CICSRC02* on page A-4.

FIELD NAME	TABLE STARTING POSITION	CICSRC01 STARTING POSITION	CICSRC02 STARTING POSITION	LENGTH	EXAMPLE OR DESCRIPTION VALUE
APPLICATION ID	1	13	57	8	CICSREG1
USER ID	9	21	65	8	USER001
TERMINAL ID	17	49	49	4	TRM1
TRANSACTION ID	21	45	45	4	TRN1
OPERATOR ID	25	53	53	3	OP1
ACCOUNT CODE	28	13	13	32	ACCOUNT CODE
TRANSACTION CLASS NAME	60	121	121	8	TCLSNAME
VTAM LOGICAL UNIT NAME	68	129	129	8	LUNAME
VTAM NETNAME	76	137	137	20	NETNAME
UNIT OF WORK ID	96	101	101	8	UOWID
REMOTE SYSTEM ID	104	109	109	4	REMOTE SYSTEM ID
OS/390 SYSTEM ID	108	157	173	8	OS/390 SYSTEM ID
PROGRAM NAME	116	73	73	8	PROGRAM NAME

Use the Table Starting Position in DEFINE FIELD and DEFINE MOVEFLD statements. Use the CICSRC01 or CICSRC02 starting position for sorting.

CIMSCMF2 Alternate Account Code Table

Each installation has different account code requirements. CIMS provides a flexible alternate method of assigning account codes. This alternate method might be better for some organizations.

- The account codes are assigned by matching entries within an input file to either Transaction IDs, Terminal IDs, Operator IDs, or User ID.
- The account code table can contain up to 40,000 entries.
- The entries contain LOW and HIGH values for record matching. This allows a single table entry to define an account code for a range of transactions. This also allows new users to be added to the system without changing CIMS tables.

Alternate Account Code Table–Record Format

POSITION	VALUE	DESCRIPTION
1	X	<p>A value to identify the entries to be matched:</p> <p>1 = TERMINAL ID & TRANSACTION ID</p> <p>2 = TERMINAL ID & OPERATOR ID</p> <p>3 = OPERATOR ID & TRANSACTION ID</p> <p>4 = TERMINAL ID</p> <p>5 = TRANSACTION ID</p> <p>6 = OPERATOR ID</p> <p>7 = USER ID Release 1.7 & above</p> <p>8 = USER ID & TRANSACTION ID Release 1.7 & above <i>Input Format is Comma Delimited</i></p>
2	b	
3-10	XXXXXXXX	<p>LOW select value</p> <p>When the code in column 1 is a 1, 2, or 3, the first four positions specify the first parameter, and the second four positions specify the second parameter.</p> <p>When the code in column 1 is a 4, 5, 6 or 7, the value is left adjusted and specifies the appropriate ID.</p>
11-12	TO	For Readability
13-20	XXXXXXXX	<p>HIGH select value</p> <p>When the code in column 1 is a 1, 2, or 3, the first four positions specify the first parameter, and the second four positions specify the second parameter.</p> <p>When the code in column 1 is a 4, 5, 6 or 7, the value is left adjusted and specifies the appropriate ID.</p>
21	b	
22-53	X(32)	Transactions passing the above LOW-HIGH test have this Account Code.

Alternate Account Code Table Format–User ID and Transaction ID

The following input format is for item 8 (User ID and Transaction ID).

POSITION	VALUE	DESCRIPTION
1	8	CONTROL CODE
THE REST OF THE RECORD IS COMMA DELIMITED		
	,	Delimiter Low select value for User ID. 8 characters maximum.
	,	Delimiter Low select value for Transaction ID. 4 characters maximum.
	,	Delimiter High select value for User ID. 8 characters maximum. If field null, low select value is used.
	,	Delimiter High select value for Transaction ID. If field null, low select value is used.
	,	Delimiter Account code for above. 32 characters maximum.

Alternate Account Code Table Processing Information

- 1 The maximum number of table entries is 40,000.
- 2 The compare tests are equal to or greater than for LOW, and equal to or less than for HIGH.
- 3 The input table can be in any order. However, the program executes faster if the account table is in the same sequence as the input data set.
- 4 The account code table is searched starting at the first value until a match is found. When a match is found, the location of the match is saved and the search for the next transaction account code starts at that location. To override the search protocol, see *RESET* on page 3-17.
- 5 If a match is not found, and the account contained in the record is asterisks, a message is printed showing the Transaction ID, Terminal ID, Operator ID, and User ID of the unmatched transaction.

- 6 The output of this program can be re-input. This allows account codes to be specified for records containing asterisks in the Account Code field.
- 7 The data defined by this table is read from DDNAME ACTCODE.
- 8 If the ACTCODE DDNAME data set is null, transaction records are read and excluded from the output data set based on the conditions specified on record selection control statements.

CIMS Alternate Account Code Table Example

You sometimes use the USER-ID, sometimes the TRAN-ID, and sometimes the TERM-ID to arrive at the account code.

This example uses the CIMS Alternate Account Code Table.

DEFINE FIELDS

Not applicable with Alternate Account Code table.

- 1 = TERMINAL ID & TRANSACTION ID
- 2 = TERMINAL ID & OPERATOR ID
- 3 = OPERATOR ID & TRANSACTION ID
- 4 = TERMINAL ID
- 5 = TRANSACTION ID
- 6 = OPERATOR ID
- 7 = USER ID
- 8 = USER ID & TRANSACTION ID

TABLE ENTRIES

1 3 13 22

....|....|....|....|....|

7 USER001 USER009 AABBB
5 TRNA TRNC AABBB
4 TRM1 TRM9 AABBB

Explanation

- User IDs (USER001 through USER009) are charged to AABBB.
- Transaction IDs (TRNA through TRNC) are charged to AABBB.
- Terminal IDs (TRM1 through TRM9) are charged to AABBB.

OS/390 Sample Job Control

```

//CIMSCMF2 EXEC PGM=CIMSCMF2,REGION=OM
//STEPLIB DD DSN=CIMS.LOAD.MODULES,DISP=SHR
//SYSOUT DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//CIMSPRNT DD SYSOUT=*
//*
//CIMSPASS DD DSN=CIMS.DATAFILE(CIMSNUMS),DISP=SHR
//*
//CMFIN DD DSN=CIMS.CICS.DATA,DISP=SHR,
// DCB=(RECFM=FB,LRECL=200,BLKSIZE=27800)
//*
/** UNCOMMENT THE FOLLOWING LINE TO PROCESS THE EXCEPTIONS FROM
/** THE PREVIOUS RUN
/** DD DSN=CIMS.CICS.NOMATCH(0),
/** DISP=SHR
/**
/** THE CIMSIN DD POINTS TO THE CIMS 791 CICS RECORDS
/** IF YOU NEED TO RE-PROCESS 791 CICS RECORDS, SPECIFY THE
/** DATASET NAME - IF YOU HAVE ACCOUNT CODE CONVERSION ON AND
/** EXCEPTION FILE PROCESSING ON, YOU MUST ALSO SPECIFY AN
/** EXCEPTION FILE FOR THE 791 RECORDS - DDNAME CIMSEXT1
/**CIMSIN DD DSN=CIMS.CICS.CIMSCMF2.DATA,
/** DSP=SHR
//CIMSIN DD DUMMY
/**
/** UNCOMMENT THE FOLLOWING LINE TO PROCESS THE EXCEPTIONS FROM
/** THE PREVIOUS RUN
/** DD DSN=CIMS.CICS.R791.NOMATCH(0),
/** DISP=SHR
/**
//CMFOUT DD DSN=CIMS.CICS.CIMSCMF2.DATA,DISP=(,CATLG),
// SPACE=(CYL,(50,50),RLSE),UNIT=SYSDA,
// DCB=(RECFM=FB,LRECL=200,BLKSIZE=27800)
/**
/** CIMSACT2 IS CREATED WHEN COMMAND 'WRITE 791' IS SPECIFIED
/**
//CIMSACT2 DD DUMMY,(DCB=RECFM=VB,BLKSIZE=27738)
/**
/**CIMSACT2 DD DSN=CIMS.CICS.DAILY.R791,
/** DISP=(NEW,CATLG,DELETE),
/** SPACE=(CYL,(10,10),RLSE),
/** UNIT=SYSDA,
/** DCB=(RECFM=VB,BLKSIZE=27738)
/**
/** CIMSDTVS CONTAINS THE OPTIONAL CIMS SERVER DICTIONARY DEFINITIONS
/** MUST BE AVAILABLE WHEN USING 'WRITE 791'(CIMSACT2)
/**
//CIMSDTVS DD DUMMY,DCB=(RECFM=FB,LRECL=140,BLKSIZE=1400)
/**
/**CIMSDTVS DD DSN=CIMS.DCTN.VSAM,
/** DISP=SHR
/**
/**
/**ACTCODE DD DSN=CIMS.DATAFILE(CMF2INP2),DISP=SHR ** ALTERNATE
/** ** TABLE
/**

```

```
//CIMSTABL DD DSN=CIMS.CICS.ACCOUNT.TABLE,
//          DISP=SHR,
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=8000)
//*
//CIMSEXOT DD DSN=CIMS.CICS.NOMATCH(+1),
//          DISP=(NEW,CATLG,DELETE),
//          DCB=(MODELDCB,RECFM=FB,LRECL=200,BLKSIZE=27800),
//          UNIT=SYSDA,
//          SPACE=(CYL,(10,10),RLSE)
//*
/*CIMSEXT1 DD DSN=CIMS.CICS.R791.NOMATCH(+1),
/*          DISP=(NEW,CATLG,DELETE),
/*          SPACE=(CYL,(10,10),RLSE),
/*          DCB=(MODELDCB,RECFM=VB,BLKSIZE=27800),
/*          UNIT=SYSDA
/*
//CIMSCNTL DD DSN=CIMS.DATAFILE(CMF2INP1),DISP=SHR
/*
```

Note • Separate job control should be used for exception processing.

CIMSCMF2 OS/390 Flow Chart

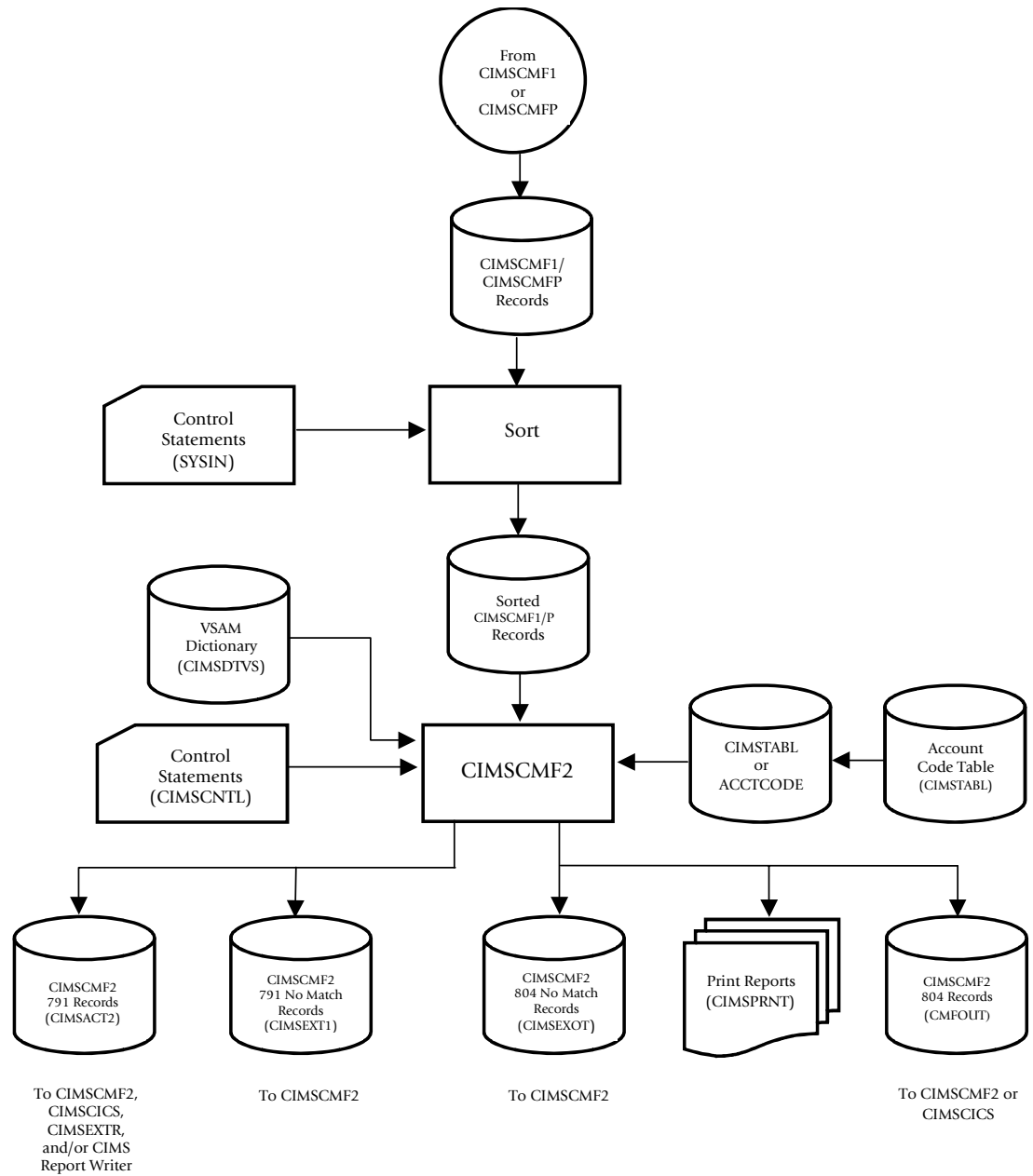


Figure 3-1 • CIMSCMF2 OS/390 Flow Chart

Note • Values in parentheses represent DDNAMES.

Transaction Creation and Reporting Program—CIMSCICS

Introduction	4-2
Creation of CICS Chargeback Records	4-2
Program Operation	4-2
Control Statement Table	4-3
Control Statement Reference	4-4
Billable Items	4-11
Billing Rates and Rate Codes	4-11
Changing Rate Codes	4-12
CIMSCICS Input	4-12
CIMSCICS Output	4-12
CIMSCICS Input/Output	4-12
Sample Input Control Statements	4-12
OS/390 Sample Job Control	4-13
CIMSCICS Sample Report	4-14
Report Writer Sample Reports	4-15
CICS Reports	4-15
Special Requirements	4-15
CIMSCICS OS/390 Flow Chart	4-16

Introduction

CIMSCICS can process one of two data sets generated by CIMSCMF2:

- CMFOUT DD output. Contains the 804 record type, which has an LRECL of 200 bytes.
- CIMSACT2 DD output. Contains the CIMS Server record type 791, which has an LRECL of 6508.

Specifically, CIMSCICS provides the following:

- Transactions for integration into the CIMS Accounting File.
- Detail and Summary Reports for CICS usage.
- Prime and Non-Prime Shift definition capability.
- Record selection capability.

Creation of CICS Chargeback Records

The data set created by program CIMSCMF2 contains CIMS CICS Transaction Accounting Records with Account Codes. CIMSCICS generates transaction records (record type 999) that are compatible with other CIMS Accounting Data Sets. These records are added to the Accounting Data Set for subsequent processing by the CIMS Billing System and Chargeback program CIMSBILL.

See *CICS Transaction Account Record (OS/390 Only)* on page A-32 for a definition of the transaction record type 999.

Program Operation

Control statements specify processing options such as headlines and record selection parameters. Reports are printed, and CICS Billing Transaction Records are written to the CIMS Accounting file for processing by program CIMSBILL.

Control Statement Table

Following is a summary of the control statements available for CIMSCICS.

CONTROL STATEMENT	PAGE #	DESCRIPTION
ACCOUNT RECORDS	[4-4]	Specifies to use Account Records, not Performance Records.
ADJUST CPU TIME TO HUNDREDTHS OF SECONDS ADJUST TRANSACTION TIME TO HUNDREDTHS OF SECONDS	[4-4]	Specifies to convert the CICS times (which are in 16 microseconds) the SMF default of hundredths of seconds.
DATE SELECTION	[4-5]	Selects data within the specified date range.
EXCLUDE	[4-5]	Allows the exclusion of certain record based on account codes from processing.
HD(x)	[4-5]	Defines Report Headlines.
INCLUDE	[4-6]	Specifies to include certain records only, based on account codes.
LINES PER REPORT PAGE	[4-6]	Specifies the number of lines per page on the reports.
NON-PRIME DAY yyyyddd	[4-6]	Specifies non-prime days (in Julian format).
NON-PRIME DAY yyyyymmdd	[4-6]	Specifies non-prime days (in Gregorian format).
NORMALIZE CPU TIME NORMALIZE TRANSACTION TIME	[4-7]	Specifies surcharge or discount based on resource utilization.
PRIME SHIFT	[4-8]	Specifies the prime shift.
PRINT EACH TRANSACTION	[4-8]	Specifies the report to show every transaction.
PRINT NO REPORTS	[4-8]	Specifies to print no reports.
PRINT SUMMARIZED TRANSACTIONS	[4-8]	Specifies to print transactions summarized by predefined criteria.
REPORT TOTALS WHEN	[4-9]	Specifies on what criteria to generate totals.
TRANSACTION DATE	[4-10]	Specifies to place the specified date as the transaction date in the CIMSACCT output record.
USE TOTAL FILE CONTROL	[4-10]	Specifies to use FCTOTCT for File Access Counts.
WEEKENDS ARE NON-PRIME	[4-10]	Specifies that weekends are considered non-prime.

Control Statement Reference

Program CIMSCICS provides key word statements to control processing options. The following control statements are supported.

ACCOUNT RECORDS

This statement specifies that CIMSCICS is to use Account Records in place of Performance Records. Account records are normally not used. The CIMS default is to process Performance records. Account records do not exist after CICS Release 2.

ADJUST CPU TIME TO HUNDREDTHS OF SECONDS ADJUST TRANSACTION TIME TO HUNDREDTHS OF SECONDS

CICS Monitor Facility records CPU and Transaction times in 16 micro second units (.000016). SMF CPU time is recorded in hundredths of seconds (.01). The above control statements adjust the CICS CPU and Transaction times to hundredths of seconds to be compatible with the SMF times. CIMSCICS adjusts the times per the following computation:

$$\begin{aligned}\text{CPU TIME} &= (\text{CPU TIME} \div 62500) + .009 \\ \text{TRANSACTION TIME} &= (\text{TRANS TIME} \div 62500) + .009\end{aligned}$$

The result of the above computation is a value with two (2) decimal digits.

Note • The value 1 in CICS Monitor Facility time field is equal to .000016 seconds. Therefore $1 \div .000016 = 62500$.

DATE SELECTION x y

Records that fall within the specified date range are selected for processing.

x = Low Date in YYYYMMDD

y = High Date in YYYYMMDD

You can use a CIMS control statement date selection value in place of the X and Y values above. Date selection statements automatically calculate the following dates:

Keyword	Description
**CURDAY	Sets date range based on run date and run date less one day.
**CURWEK	Sets date range based on run week (Sun—Sat).
**CURMON	Sets date range based on run month.
**PREDAY	Sets date range based on run date, less one day.
**PREWEK	Sets date range based on previous week (Sun—Sat).
**PREMON	Sets date range based on previous month.
CURRENT	Sets date range based on current period from CIMS calendar file.
PREVIOUS	Sets date range based on previous period from CIMS calendar file.

Default date selection values are 19880101 (low) to 20991231 (high).

EXCLUDE a b

This statement excludes records with Account Codes in the defined range from further processing.

a = Low Value for Account Code

b = High Value for Account Code

If the high value is not present, the low value is assumed.

HD(x)

Up to three (3) Report Headlines can be defined as follows:

Example

```
HD1 YOUR HEADLINE TEXT NUMBER 1
HD2 YOUR HEADLINE TEXT NUMBER 2
HD3 YOUR HEADLINE TEXT NUMBER 3
```

INCLUDE a b

This statement includes records with Account Codes in the defined range for further processing.

a = Low Value for Account Code

b = High Value for Account Code

If the high value is not present, the low value is assumed.

When this statement is present, *only* the Account Codes specified are included in this report.

LINES PER REPORT PAGE n

This statement specifies the number of lines per printed report page.

Default is 55.

Example

LINES PER REPORT PAGE 50

Changes lines per page to 50.

NON-PRIME DAY yyyyddd

Julian date to describe up to 20 non-prime days.

Example

NON-PRIME DAY 20010101(New Years Day)

NON-PRIME DAY 20011225(Christmas Day)

This control statement specifies that transactions processed on 20010101 & 20011225 should use the non-prime rate codes.

NON-PRIME DAY yyyyymmdd

Gregorian date to describe up to 20 non-prime days.

NORMALIZE¹ CPU TIME [FOR (w,x,y,z)²] to A¹
NORMALIZE¹ TRANSACTION¹ TIME [FOR (w,x,y,z)²] to A¹

These control statements allow a discount or a surcharge based on resource usage for Account Code, APPLID, User ID and Shift.

The values for w, x, y, and z are as follows:

w is an ACCOUNT CODE:	Maximum Length	32
x is an APPLID:	Maximum Length	8
y is a USERID:	Maximum Length	8
z indicates shift:	1 = Prime 2 = Non-Prime	

- The value for A is a percentage; two decimal places are supported.
- To increase CPU or TRANSACTION time, make A a positive number.
- To decrease CPU or TRANSACTION time, make A a negative number.

For example:

To increase either time by 100%, fill in A with 100.

To increase either time by 90%, fill in A with 90.

To increase either time by 50.55%, fill in A with 50.55.

To decrease either time by 10%, fill in A with 10-.

To decrease either time by 25.25%, fill in A with 25.25-.

You can specify a maximum of 500 NORMALIZE CPU TIME and 500 NORMALIZE TRANSACTION TIME statements for each w, x, y, and z value at one time.

You can use the value asterisk '*' to represent a wild card in the ACCOUNT CODE, APPLID and USERID fields.

The following examples show how these statements can be used.

¹ ABBREVIATIONS	FULL SPELLING
NORM	NORMALIZE
TRAN	TRANSACTION

² [FOR (w,x,y,z)] is an optional phrase.

Examples

- 1** To increase CPU time by 90% for APPLID MVSCICS1 enter:
NORM CPU TIME FOR (,MVSCICS1) TO 90
- 2** To increase CPU time by 90% for USERID SOKITOME enter:
NORM CPU TIME FOR (, ,SOKITOME) TO 90
- 3** To increase CPU time by 90% for PRIME SHIFT enter:
NORM CPU TIME FOR (, , ,1) TO 90
- 4** To increase CPU time by 90% for all transactions enter:
NORM CPU TIME TO 90
- 5** To decrease CPU time by 50% for all transactions enter:
NORM CPU TIME TO 50-
- 6** To increase CPU time by 250% for ACCOUNT CODE AABBBCCCC, APPLID 0S/390, and USERID 12345678, enter:
NORM CPU TIME FOR (AABBBCCCC,MVSCICSA,12345678) TO 250

PRIME SHIFT hh.mm hh.mm

This statement defines the PRIME processing shift.

Example

```
PRIME SHIFT 08.00 17.00
```

Defines the prime processing shift as 8:00 am to 5:00 pm.

PRINT EACH TRANSACTION

If this statement is present, the CIMSCICS report lists each transaction.

PRINT NO REPORTS

This statement suppresses the standard CIMSCICS printed report.

PRINT SUMMARIZED TRANSACTIONS

If this statement is present, the CIMSCICS report lists summarized transactions. The summarized transaction report line is printed whenever one of the following changes: Account Code, APPLID, User ID, Tran ID, Term ID or Operator ID.

Note • If control statements PRINT EACH TRANSACTION and PRINT SUMMARIZED TRANSACTIONS are not present, a Summary Report is generated.

REPORT TOTALS WHEN *x*

CIMSCICS generates report totals when the value (*x*) changes. The value (*x*) is one of the following parameters:

- Account Code Changes
- APPLID or Account Code Changes
- Transaction or Account Code Changes
- USERID or Account Code Changes
- Terminal or Account Code Changes
- Operator or Account Code Changes
- Any value changes, that is, Account Code, APPL ID, TRAN ID, USER ID, Operator ID, Terminal ID)

The default report is 'WHEN ACCOUNT CODE CHANGES'.

TRANSACTION DATE x y

This statement places this date in CIMS CICS Transactions.

Default is to place the current date (RUN DATE) into each Transaction Record.

x = Low Date in YYYYMMDD

y = High Date in YYYYMMDD

You can use a CIMS control statement date value in place of the X and Y values above. control statement date records automatically calculate the following dates:

Keyword	Description
**CURDAY	Sets date range based on run date and run date less one day.
**CURWEK	Sets date range based on run week (Sun—Sat).
**CURMON	Sets date range based on run month.
**PREDAY	Sets date range based on run date, less one day.
**PREWEK	Sets date range based on previous week (Sun—Sat).
**PREMON	Sets date range based on previous month.
CURRENT	Sets date range based on current period from CIMS calendar file.
PREVIOUS	Sets date range based on previous period from CIMS calendar file.

USE TOTAL FILE CONTROL

CICS Monitory Facility provides two file access count fields. CIMS uses the field labeled FCAMCT. This field is defined as number of times the user task invoked file access-method interfaces. This number excludes requests for OPEN and CLOSE.

Some of the third party monitoring products do not fill this field. Instead, the field FCTOTCT is filled. This field is defined as total number of file control requests issued by the user task. This number excludes any request to open, close, enable or disable a file.

To use field FCTOTCT for file access counts in program CIMSCICS, supply the following statement:

```
USE TOTAL FILE CONTROL
```

WEEKENDS ARE NON-PRIME

If this statement is present, then weekends are considered non-prime. The Prime Shift statement is ignored for Saturday and Sunday.

Billable Items

Program CIMSCICS supports the following resource usage charges:

- Transaction Time (Elapsed)
- Transaction Time (CPU)
- Number of Transactions
- Input Messages
- Output Messages
- File Access Counts
- Other User-Defined Resource Values

An installation can charge for any value contained in the CICS monitor file. A very simple Report Writer report can be written to create either CIMS transaction records or CIMS universal chargeback records!

Billing Rates and Rate Codes

CIMSCICS obtains billing rates from CIMSBILL RATE records. RATE records from CIMSBILL are used to integrate CICS charges with batch, online, and external charges.

The following Cost Center/Rate Codes are placed in Transaction records to identify resource values. These Transaction records are written to the CIMS Job Accounting data set. The codes placed in transaction records are matched with RATE codes placed in RATE Records. They are then extended by program CIMSBILL.

For more information on Cost Center/Rate Codes, TRANS Records and Billing RATE Records, refer to the Computer Center Chargeback Program—CIMSBILL chapter in the *CIMS Chargeback OS/390 User Guide*.

PRIME CODES	NON-PRIME CODES	DESCRIPTION
ZCS1	ZCX1	TRANSACTION TIME-ELAPSED (SECONDS)
ZCS2	ZCX2	TRANSACTION TIME-CPU (SECONDS)
ZCS3	ZCX3	TRANSACTIONS
ZCS4	ZCX4	INPUT MESSAGES
ZCS5	ZCX5	OUTPUT MESSAGES
ZCS6	ZCX6	MESSAGES
ZCS7	ZCX7	FILE ACCESS COUNT

These RATE Codes define Resource values. These Resource values are extended on the Invoice report by program CIMSBILL. They can also be used with the *CIMS Report Writer*.

Changing Rate Codes

To redefine the CIMS Standard Rate Codes, supply the following information in the input control statement data set:

ZCS1 = X₁ ZCX1 = X₈

X₁—X₁₄ describe a new rate code. Make sure the characters you choose are unique from other rate codes. Eight (8) character rate codes are supported.

CIMSCICS Input

- CICS Accounting Records - DDNAME CICSIN

This data set contains CICS Accounting Records. The data set can contain either the 804 record type, which has a record format of FB and an LRECL of 200, or the CIMS Server 791 record type, which has a record format of VB and an LRECL of 6508.

- CIMS Rate File - DDNAME CIMSRTVS
- CIMS Client File - DDNAME CIMSCLNT
- CIMS Control Statements - DDNAME CIMSCNTL

CIMSCICS Output

- CICS Billing Records - DDNAME CIMSACCT
- Printed Output - DDNAME CIMSPRNT
- Printed Output generated by SORT - DDNAME SYSOUT

CIMSCICS Input/Output

- Sort Work Space by SORT - SORTWKnn

Sample Input Control Statements

```
HD1                            CIMS, THE CHARGEBACK SYSTEM
HD2                            CICS TRANSACTION ACCOUNTING
HD3                                            CIMSCICS
TRANSACTION DATE **CURDAY
PRIME SHIFT 08.00 17.00
WEEKENDS ARE NON-PRIME
NON-PRIME DAY 2001001            NEW YEARS DAY
NON-PRIME DAY 20011225            CHRISTMAS DAY
```

Etc.

OS/390 Sample Job Control

```
//CIMSCICS EXEC PGM=CIMSCICS,REGION=OK
//STEPLIB DD DSN=CIMS.LOAD.MODULES,DISP=SHR
//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//CIMSPRNT DD SYSOUT=A,DCB=BLKSIZE=133
//SYSOUT DD SYSOUT=A,DCB=BLKSIZE=133
//CICSIN DD DSN=CIMS.CICS.CIMSCMF2.DATA,DISP=SHR
//*
//CIMSACCT DD DSN=CIMS.CIMSACCT.DAILY.CICS,
// DISP=(NEW,CATLG,DELETE),
// UNIT=SYSDA,
// SPACE=(TRK,(5,5),RLSE),
// DCB=(RECFM=FB,BLKSIZE=27998)
//*
//CIMSRTVS DD DSN=CIMS.CIMSRATE.VSAM,DISP=SHR
//*
//CIMSCLVS DD DSN=CIMS.CLIENT.VSAM,DISP=SHR
//*
//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,50,,CONTIG)
//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,50,,CONTIG)
//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,50,,CONTIG)
//CIMSCNTL DD DSN=CIMS.DATAFILE(CICSINPT),DISP=SHR
/*
```

CIMSCICS Sample Report

CIMS, THE CHARGEBACK SYSTEM														
CICS Transaction Accounting Report														
PROGRAM CIMSCICS														
APPL ID	USER ID	TRAN ID	TERM ID	OPR ID	DATE YYYY/MM/DD	TRANS COUNT	MSG COUNT	TRANS TIME SECONDS	AVG TRANS TIME SECONDS	CPU TIME SECONDS	AVG CPU TIME SECONDS	TERM INPUT COUNT	TERM OUTPUT COUNT	FILE ACCESS COUNT
APL1	USR1	0211	RA02	***	2001/01/02	17	49	3.412	0.200	2.333	0.137	16	33	123
APL1	USR2	0211	RD01	***	2001/01/02	8	28	1.560	0.195	0.864	0.108	10	18	456
APL1	USR2	0211	RY01	***	2001/01/02	20	64	6.274	0.313	3.130	0.156	20	44	456
APL2	USR2	0211	R601	***	2001/01/02	4	11	0.841	0.210	0.604	0.151	3	8	1135
APL2	USR2	0211	R700	***	2001/01/02	1	2	0.298	0.298	0.071	0.071	1	1	567
APL2	USR2	0241	LC21	***	2001/01/02	34	68	10.377	0.305	8.621	0.253	34	34	555
APL2	USR2	0261	R700	***	2001/01/02	1	2	0.246	0.246	0.145	0.145	1	1	6
APL3	USR4	027B	LC32	***	2001/01/02	1	2	0.322	0.322	0.141	0.141	1	1	34
APL3	USR4	027D	LC32	***	2001/01/02	10	21	0.805	0.180	1.258	0.125	11	10	345
APL3	USR4	0271	LC32	***	2001/01/02	90	314	19.330	0.214	9.764	0.108	88	226	67
APL3	USR4	0279	LC32	***	2001/01/02	6	15	1.859	0.309	0.419	0.069	9	6	99
APL3	USR4	0341	R100	***	2001/01/02	9	18	2.235	0.248	1.822	0.202	9	9	234
APL3	USR4	0341	R200	***	2001/01/02	18	36	6.317	0.350	5.283	0.298	18	18	765
APL3	USR4	0341	R600	***	2001/01/02	12	24	3.477	0.289	2.888	0.240	12	12	890
APL4	USR4	0352	LC37	***	2001/01/02	2	4	0.712	0.356	0.308	0.154	2	2	263
APL4	USR4	0352	LC39	***	2001/01/02	3	6	1.222	0.407	0.490	0.163	3	3	456
....
....
....
....
APL4	USR4	0411	RA02	***	2001/01/02	20	45	3.020	0.151	2.512	0.125	25	20	5678
APL4	USR4	0411	RD01	***	2001/01/02	19	19	2.788	0.309	1.012	0.112	10	9	678
APL4	USR4	0411	R100	***	2001/01/02	41	86	7.521	0.183	5.148	0.125	45	41	54

SUMMARY INFORMATION PRINTED FOR CHANGE IN ACCOUNT CODE										AABBB
--	--	--	--	--	--	--	--	--	--	-------

TIME	TRANSACTION TIME	CPU COUNT	TRANS MESSAGES	INPUT MESSAGES	OUTPUT COUNT	MESSAGE COUNT	FILE ACCESS
TOTALS	99.999	99.999	999,999	999,999	999,999	999,999	999,999
PRIME-RATES	.1800	30.0000	.5000000	.6000000	.7000000	.8000000	.0075000
CHARGES	9,999.99	9,999.99	9,999.99	9,999.99	9,999.99	9,999.99	999.99

TOTAL AMOUNT = \$99,999.99

Report Writer Sample Reports

CIMS CICS Records are defined to the *CIMS Report Writer* system.

CICS Reports

Multiple CICS reports are available from the *CIMS Report Writer*.

Refer to the following sources for information on the *CIMS Report Writer*:

- *CIMS Chargeback Report Writer Sample Reports for OS/390*
Contains report examples and control statements.
- *CIMS Chargeback Report Writer User Guide*
Technical documentation.
- Member AALEGEND in CIMS.REPTLIB
A listing of CIMS pre-defined reports.

You can customize *CIMS Report Writer* reports.

Special Requirements

The standard CIMS-CICS programs CIMSCMF1, CIMSCMFP, CIMSCMF2, and CIMSCICS meet the needs of most organizations. However, some organizations have special requirements that need additional customization.

CIMS includes sample *CIMS Report Writer* members and exit routines that provide significant capabilities. Some of these capabilities include:

- Processing data From non-standard and shortened CICS Records (for CICS releases prior to 3.1).
- Processing data from CICS Monitor Products. (TMON, Omegamon, for example)
- Placing user-defined CICS fields in CIMS TRANS Records or CIMSUNIV records.

Refer to members AAAALIST in CIMS.DATFILE and AALEGEND in CIMS.REPTLIB for a list of CICS-related examples.

CIMSCICS OS/390 Flow Chart

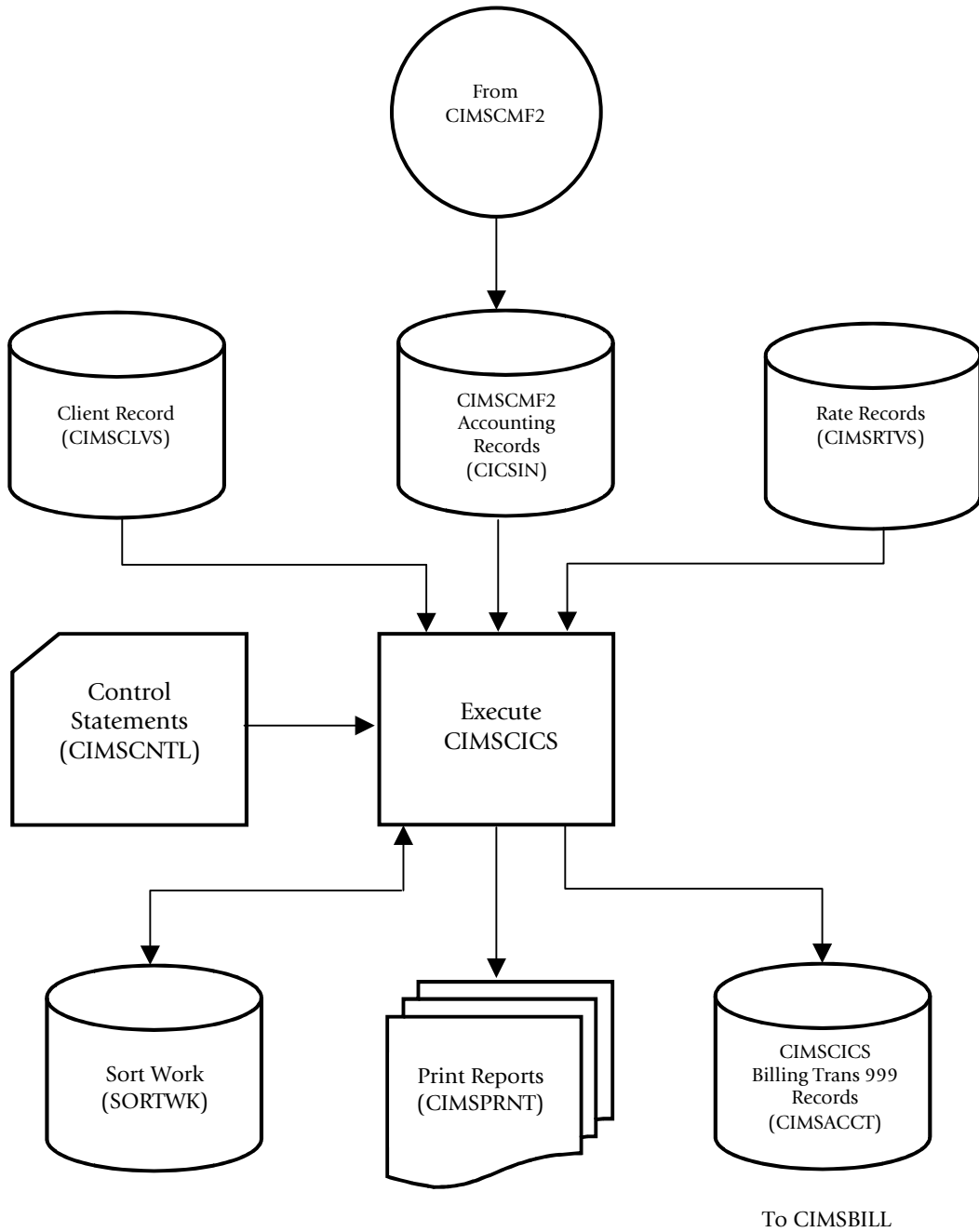


Figure 4-1 • CIMSCICS OS/390 Flow Chart

Note • Values in parentheses represent DDNAMES.



Record Descriptions

CIMS CICS Transaction Records	A-2
Report Writer Name = CICSRC00	A-2
Report Writer Name = CICSRC01	A-3
Report Writer Name = CICSRC02	A-4
Report Writer Name = CICSRC04 (OS/390 Only)	A-6
Report Writer Name = CICSRC05	A-7
Report Writer Name = CICSRC06 (OS/390 Only)	A-9
Report Writer Name = CICSRC07 (OS/390 Only)	A-12
Report Writer Name = CICSRC08 (OS/390 Only)	A-15
Report Writer Name = CICSRC12	A-18
Report Writer Name = CICSRC13	A-22
Report Writer Name = CICSRC14	A-26
CICS Transaction Account Record (OS/390 Only)	A-32
CIMS Server 791 Record	A-33

CIMS CICS Transaction Records

The following are descriptions of the CIMS CICS transaction records created by CIMSCMF1, CIMSCMFP, and CIMSCMF2.

Report Writer Name = CICSRC00

This is an Accounting Record created by CIMSCMF1/CIMSCMFP.

```

FILE:  CIMSCMF1-CICSRC00      DDNAME(CIMSCMF1)      LRECL(200)
*      RECORD TYPE  X'0002'   CICS RELEASE 1.7 THRU 2.X
*      NOT AVAILABLE FOR CICS RELEASE 3 AND SUBSEQUENT CICS RELEASES
*
FIELD: CIMS-REC-TYPE          LEN(2)      TYPE(BU)          COL(1)
FIELD: CIMS-RELEASE          LEN(2)          COL(3)
FIELD: CIMS-TIME              LEN(4)      TYPE(B-SECS)     COL(5) DEC(2)
FIELD: CIMS-TIME-ND          LEN(4)      TYPE(BU)          COL(5)
FIELD: CIMS-DATE              LEN(4)      TYPE(P-CYYDDD)   COL(9)
FIELD: CIMS-CICS-ACCT-CODE    LEN(32)     COL(13)
FIELD: CIMS-APPLID            LEN(8)          COL(13)
FIELD: CIMS-USERID            LEN(8)          COL(21)
FIELD: CIMS-TRAN              LEN(4)          COL(45)
FIELD: CIMS-TERM              LEN(4)          COL(49)
FIELD: CIMS-OPER              LEN(3)          COL(53)
FIELD: CIMS-TRANS-TYPE        LEN(1)          COL(56)
FIELD: CIMS-FILLER            LEN(2)          COL(57)
FIELD: CIMS-TRANS-OCCUR       LEN(2)      TYPE(BU)          COL(59)
FIELD: CIMS-NUM-OF-ABEND      LEN(2)      TYPE(BU)          COL(61)
FIELD: CIMS-NUM-OF-INPUT-MES LEN(2)      TYPE(BU)          COL(63)
FIELD: CIMS-USER-COUNT        LEN(4)      TYPE(BU)          COL(65)
FIELD: CIMS-END-OF-RECORD     LEN(1)          COL(200)
  
```


Report Writer Name = CICSRC01

This a Performance Record created by CIMSCMF1/CIMSCMFP.

```

FILE: CIMSCMF1-CICSRC01          DDNAME(CIMSCMF1)          LRECL(200)
*   RECORD TYPE  X'0703' (1795) CICS RELEASE 1.7 THRU 2
*   RECORD TYPE  X'0803' (2051) CICS RELEASE 3.1 THRU 4.1
FIELD: CIMS-REC-TYPE              LEN(2)  TYPE(BU)          COL(1)
FIELD: CIMS-SYSTEM                LEN(1)                      COL(3)
FIELD: CIMS-RELEASE               LEN(1)                      COL(4)
FIELD: CIMS-TIME                  LEN(4)  TYPE(B-SECS)    COL(5)  DEC(2)
FIELD: CIMS-TIME-ND               LEN(4)  TYPE(BU)          COL(5)
FIELD: CIMS-DATE                  LEN(4)  TYPE(P-CYYDDD)   COL(9)
FIELD: CIMS-CICS-ACCT-CODE        LEN(32)                     COL(13)
FIELD: CIMS-APPLID                LEN(8)                      COL(13)
FIELD: CIMS-USERID                LEN(8)                      COL(21)
FIELD: CIMS-RESERVED-01           LEN(16)                     COL(29)
FIELD: CIMS-TRAN                  LEN(4)                      COL(45)
FIELD: CIMS-TERM                  LEN(4)                      COL(49)
FIELD: CIMS-OPER                  LEN(3)                      COL(53)
FIELD: CIMS-TRANS-TYPE            LEN(1)                      COL(56)
FIELD: CIMS-START-TIME            LEN(8)  TYPE(STCKTIME)  COL(57)
FIELD: CIMS-START-DATE            LEN(8)  TYPE(STCKDATE)   COL(57)
FIELD: CIMS-STOP-TIME             LEN(8)  TYPE(STCKTIME)   COL(65)
FIELD: CIMS-STOP-DATE             LEN(8)  TYPE(STCKDATE)   COL(65)
FIELD: CIMS-PROGRAM-NAME          LEN(8)                      COL(73)
FIELD: CIMS-FILLER                LEN(4)                      COL(81)
FIELD: CIMS-DISPATCH-TIME        LEN(4)  TYPE(BU)          COL(85)
FIELD: CIMS-CPU-TIME              LEN(4)  TYPE(BU)          COL(89)
FIELD: CIMS-TERM-CNTL-INS         LEN(4)  TYPE(BU)          COL(93)
FIELD: CIMS-TERM-CNTL-OUTS        LEN(4)  TYPE(BU)          COL(97)
FIELD: CIMS-UOWID                 LEN(8)  TYPE(BU)          COL(101)
FIELD: CIMS-RSYSID                LEN(4)                      COL(109)
FIELD: CIMS-FCNTL-TOTAL           LEN(4)  TYPE(BU)          COL(113)
FIELD: CIMS-FCNTL-ACCESS          LEN(4)  TYPE(BU)          COL(117)
FIELD: CIMS-TCLSNAME              LEN(8)                      COL(121)
FIELD: CIMS-LUNAME                LEN(8)                      COL(129)
FIELD: CIMS-NET-NAME              LEN(20)                     COL(137)
FIELD: CIMS-MVS-ID                LEN(8)                      COL(157)
FIELD: CIMS-RESERVED-02           LEN(36)                     COL(165)
FIELD: CIMS-END-OF-RECORD         LEN(1)                      COL(200)

```

Report Writer Name = CICSRC02

This is a CICS Billing Transaction Record created by CIMSCMF2.

```

FILE:  CIMSCMF2-CICSRC02          DDNAME(CIMSCMF2)    LRECL(200)
*
*
*   RECORD CHANGED AUG 1995
*
*   CIMS-REC-TYPE = X'0704' OR X'0804'
*
*   X'0704' = CICS REL 1.7 THRU 2.X RECORDS
*
*   X'0804' = CICS REL 3.1 THRU 4.X RECORDS
*
FIELD: CIMS-REC-TYPE          LEN(2) TYPE(BU)        COL(1)
FIELD: CIMS-SYSTEM           LEN(2)                  COL(3)
FIELD: CIMS-OPERATING-SYS    LEN(1)                  COL(3)
FIELD: CIMS-CICS-RELEASE     LEN(1)                  COL(4)
FIELD: CIMS-LEVEL-ID1       LEN(8)                  COL(5)
FIELD: CIMS-TIME             LEN(4) TYPE(B-SECS)     COL(5)  DEC(2)
FIELD: CIMS-TIME-ND         LEN(4) TYPE(BU)          COL(5)  DEC(2)
FIELD: CIMS-DATE            LEN(4) TYPE(P-YYYYDDD)   COL(9)
FIELD: CIMS-ACCOUNT-CODE    LEN(32)                 COL(13)
FIELD: CIMS-TRAN            LEN(4)                  COL(45)
FIELD: CIMS-TERM            LEN(4)                  COL(49)
FIELD: CIMS-OPER            LEN(3)                  COL(53)
FIELD: CIMS-TRANS-TYPE-ID   LEN(1)                  COL(56)
FIELD: CIMS-APPLID          LEN(8)                  COL(57)
FIELD: CIMS-USERID          LEN(8)                  COL(65)
FIELD: CIMS-PROGRAM-NAME    LEN(8)                  COL(73)
*****
*
*   FOLLOWING THREE (3) TIME FIELDS REDEFINED AS FOLLOWS:
*   EACH FOUR (4) BYTE FIELD CONTAINS THE TIME IN 16 MICRO
*   SECOND UNITS. TO CONVERT TO SECONDS DIVIDE BY 62500
*
*   I.E.
*           1 = 16 MICRO SECONDS
*          1000000 / 16 = 62500
*
*****
FIELD: CIMS-RESPONSE-TIME    LEN(4) TYPE(BU)        COL(81)
FIELD: CIMS-DISPATCH-TIME  LEN(4) TYPE(BU)        COL(85)
FIELD: CIMS-CPU-TIME        LEN(4) TYPE(BU)        COL(89)
FIELD: CIMS-TERM-CNTL-INS   LEN(4) TYPE(BU)        COL(93)
FIELD: CIMS-TERM-CNTL-OUTS  LEN(4) TYPE(BU)        COL(97)
FIELD: CIMS-UOWID           LEN(8) TYPE(BU)        COL(101)
FIELD: CIMS-RSYSID          LEN(4)                 COL(109)
FIELD: CIMS-FCNTL-TOTAL     LEN(4) TYPE(BU)        COL(113)
FIELD: CIMS-FCNTL-ACCESS    LEN(4) TYPE(BU)        COL(117)
FIELD: CIMS-TCLSNAME        LEN(8)                 COL(121)
FIELD: CIMS-LUNAME          LEN(8)                 COL(129)
FIELD: CIMS-NETNAME         LEN(20)                COL(137)
FIELD: CIMS-START-TIME      LEN(8) TYPE(STCKTIME)   COL(157)
FIELD: CIMS-START-DATE      LEN(8) TYPE(STCKDATE)   COL(157)
FIELD: CIMS-STOP-TIME       LEN(8) TYPE(STCKTIME)   COL(165)
FIELD: CIMS-STOP-DATE       LEN(8) TYPE(STCKDATE)   COL(165)

```

FIELD: CIMS-MVS-ID	LEN(8)	COL(173)
FIELD: CIMS-TRANS-COUNT	LEN(4) TYPE(BU)	COL(181)
FIELD: CIMS-RESERVED-02	LEN(16)	COL(185)
FIELD: CIMS-END-OF-RECORD	LEN(1)	COL(200)

Report Writer Name = CICSRC04 (OS/390 Only)

This is a Performance Record created by CIMSCMF1/CIMSCMFP.

```

FILE:  CIMS-SAP-RECORD          DDNAME(CIMSSAP)          LRECL(400)
*
*  BE SURE TO VERIFY THIS RECORD WITH YOUR SAP DOCUMENTATION
*  THE CIMS LAB PROVIDES THIS RECORD AS IS!  THIS RECORD IS OBSOLETE.
*
*  CIMS-SAP-REC-TYPE = 921
*
FIELD: CIMS-SAP-RECORD-LENGTH  LEN(2)  TYPE(BU)          COL(1)
FIELD: CIMS-SAP-RECORD-FILLER  LEN(2)  TYPE(BU)          COL(3)
FIELD: CIMS-SAP-REC-TYPE       LEN(2)  TYPE(PACKED)        COL(5)
FIELD: CIMS-SAP-HEADER         LEN(24)  TYPE(BU)          COL(7)
FIELD: CIMS-SAP-LENGTH         LEN(2)  TYPE(BU)          COL(31)
FIELD: CIMS-SAP-LENGTH-FILLER  LEN(2)  TYPE(BU)          COL(33)
FIELD: CIMS-SAP-TASK-TYPE      LEN(1)   TYPE(BU)          COL(35)
FIELD: CIMS-SAP-FLAG-BYTE2     LEN(1)   TYPE(BU)          COL(36)
FIELD: CIMS-SAP-FLAG-BYTE1     LEN(1)   TYPE(BU)          COL(37)
FIELD: CIMS-SAP-MANDANT        LEN(1)   TYPE(BU)          COL(38)
FIELD: CIMS-SAP-DATE           LEN(4)  TYPE(P-DDMMYY)   COL(39)
FIELD: CIMS-SAP-TIME-END       LEN(4)  TYPE(PACKED)     COL(43)
FIELD: CIMS-SAP-TIME-START     LEN(4)  TYPE(PACKED)     COL(47)
FIELD: CIMS-SAP-TIME-RESPONSE  LEN(4)  TYPE(BU)          COL(51)
FIELD: CIMS-SAP-TIME-CPU       LEN(4)  TYPE(BU)          COL(55)
FIELD: CIMS-SAP-TIME-WORK-AREA  LEN(4)  TYPE(BU)          COL(59)
FIELD: CIMS-SAP-TRANS-CODE     LEN(4)  TYPE(BU)          COL(63)
FIELD: CIMS-SAP-REPORT-ID      LEN(8)  TYPE(BU)          COL(67)
FIELD: CIMS-SAP-TERM-ID        LEN(8)  TYPE(BU)          COL(75)
FIELD: CIMS-SAP-ACCT-NUMBER    LEN(12) TYPE(BU)          COL(83)
FIELD: CIMS-SAP-READ-UPDATE    LEN(4)  TYPE(BU)          COL(95)
FIELD: CIMS-SAP-READ           LEN(4)  TYPE(BU)          COL(99)
FIELD: CIMS-SAP-SET            LEN(4)  TYPE(BU)          COL(103)
FIELD: CIMS-SAP-GET            LEN(4)  TYPE(BU)          COL(107)
FIELD: CIMS-SAP-REWRITE        LEN(4)  TYPE(BU)          COL(111)
FIELD: CIMS-SAP-INSERT         LEN(4)  TYPE(BU)          COL(115)
FIELD: CIMS-SAP-DELETE         LEN(4)  TYPE(BU)          COL(119)
FIELD: CIMS-SAP-PGM-LOAD       LEN(4)  TYPE(BU)          COL(123)
FIELD: CIMS-SAP-SYNC-POINT     LEN(4)  TYPE(BU)          COL(127)
FIELD: CIMS-SAP-ROLLBACK       LEN(4)  TYPE(BU)          COL(131)
FIELD: CIMS-SAP-OTHER-CALLS    LEN(4)  TYPE(BU)          COL(135)
FIELD: CIMS-SAP-DATA-EXCPS     LEN(2)  TYPE(BU)          COL(139)
FIELD: CIMS-SAP-INDEX-EXCPS    LEN(2)  TYPE(BU)          COL(143)
FIELD: CIMS-SAP-ESDS-EXCPS     LEN(2)  TYPE(BU)          COL(147)
FIELD: CIMS-SAP-TIME-OF-EXCPS  LEN(4)  TYPE(BU)          COL(151)
FIELD: CIMS-SAP-LOAD-TIME      LEN(4)  TYPE(BU)          COL(155)
FIELD: CIMS-SAP-ZTTA-WAIT-TIME LEN(4)  TYPE(BU)          COL(159)
FIELD: CIMS-SAP-SGOC-WAIT-TIME LEN(4)  TYPE(BU)          COL(163)
FIELD: CIMS-SAP-INPT-MSG-LEN   LEN(4)  TYPE(BU)          COL(167)
FIELD: CIMS-SAP-OTPT-MSG-LEN   LEN(4)  TYPE(BU)          COL(171)
FIELD: CIMS-SAP-PRINTER-MSG-LEN LEN(4)  TYPE(BU)          COL(175)
FIELD: CIMS-SAP-ROLL-AREA-ALLOC LEN(4)  TYPE(BU)          COL(179)
FIELD: CIMS-SAP-ROLL-AREA-USED LEN(4)  TYPE(BU)          COL(183)
FIELD: CIMS-SAP-ROLL-AREA-ACOMP LEN(4)  TYPE(BU)          COL(187)
FIELD: CIMS-SAP-SIZE-LOADED-PGMS LEN(4)  TYPE(BU)          COL(191)

```

Report Writer Name = CICSRC05

This is a Detail Transaction Record for CICS releases 1.7–2.2. This record is created by CIMSCMF1/CIMSCMFP.

```

FILE:   CICS-REL1_7-REL2_X-RECORD  DDNAME(CICSRECS)      LRECL(2000)

*       CIMS-CICS-REC-TYPE = 910

*       CIMS-CICS-RELEASE-ID = C'03'

FIELD:  CIMS-CICS-RECORD-LENGTH    LEN(2)  TYPE(BU)      COL(1)
FIELD:  CIMS-CICS-RECORD-FILLER    LEN(2)  TYPE(BU)      COL(3)
FIELD:  CIMS-CICS-REC-TYPE          LEN(2)  TYPE(PACKED)  COL(5)
FIELD:  CIMS-CICS-SORTID            LEN(1)  FORMAT(HEX)   COL(7)
FIELD:  CIMS-CICS-FILLER-1          LEN(1)                   COL(8)
FIELD:  CIMS-CICS-DELETE-CODE       LEN(1)                   COL(9)
FIELD:  CIMS-CICS-CONSTANT          LEN(1)                   COL(10)
FIELD:  CIMS-CICS-FILLER-2          LEN(1)                   COL(11)
FIELD:  CIMS-CICS-RELEASE-ID        LEN(2)                   COL(12)
FIELD:  CIMS-CICS-RELEASE-ID-HEX   LEN(2)  FORMAT(HEX)   COL(12)
FIELD:  CIMS-CICS-APPLID            LEN(8)                   COL(14)
FIELD:  CIMS-CICS-ACCT-CODE         LEN(32)                  COL(22)
FIELD:  CIMS-CICS-ACT1              LEN(8)                   COL(22)
FIELD:  CIMS-CICS-USER-ID           LEN(8)                   COL(22)
FIELD:  CIMS-CICS-ACT2              LEN(8)                   COL(30)
FIELD:  CIMS-CICS-TRAN-ID           LEN(4)                   COL(30)
FIELD:  CIMS-CICS-TERM-ID           LEN(4)                   COL(34)
FIELD:  CIMS-CICS-ACT3              LEN(8)                   COL(38)
FIELD:  CIMS-CICS-OPER-ID           LEN(3)                   COL(38)
FIELD:  CIMS-CICS-ACT4              LEN(8)                   COL(46)
FIELD:  CIMS-CICS-SYSTEM-ID         LEN(4)                   COL(54)
FIELD:  CIMS-CICS-SHIFT-CODE        LEN(1)                   COL(58)
FIELD:  CIMS-CICS-FILLER-3          LEN(2)                   COL(59)
FIELD:  CIMS-CICS-RECORD-COUNT      LEN(4)  TYPE(BU)      COL(61)
FIELD:  CIMS-CICS-RECORD-DATE       LEN(4)  TYPE(P-YYDDD) COL(65)
FIELD:  CIMS-CICS-RECORD-DATE1      LEN(4)  TYPE(PACKED)  COL(65)
FIELD:  CIMS-CICS-RECORD-TIME       LEN(4)  TYPE(B-SECS)  COL(69)      DEC(2)
FIELD:  CIMS-CICS-RECORD-TIME-ND    LEN(4)  TYPE(BU)      COL(69)
FIELD:  CICS-TRAN                   LEN(4)                   COL(73)
FIELD:  CICS-TERM                   LEN(4)                   COL(77)
FIELD:  CICS-USER                   LEN(8)                   COL(81)
FIELD:  CICS-TYPE                   LEN(4)                   COL(89)
FIELD:  CICS-START                   LEN(8)  TYPE(STCKTIME) COL(93)
FIELD:  CICS-START-TIME              LEN(4)  TYPE(BU)      COL(95)
FIELD:  CICS-STOP                    LEN(8)  TYPE(STCKTIME) COL(101)
FIELD:  CICS-STOP-TIME              LEN(4)  TYPE(BU)      COL(103)
FIELD:  CICS-TRANNUM                 LEN(4)  TYPE(PACKED)  COL(109)
FIELD:  CICS-OPR                    LEN(4)                   COL(113)
FIELD:  CICS-PGMNAME                LEN(8)                   COL(117)
FIELD:  CICS-TASKFLAG               LEN(4)  TYPE(BU)      COL(125)
FIELD:  CICS-ABCODE                 LEN(8)                   COL(129)
FIELD:  CICS-TCMSGIN1               LEN(4)  TYPE(BU)      COL(137)
FIELD:  CICS-TCCHRIN1               LEN(4)  TYPE(BU)      COL(141)
FIELD:  CICS-TCMSGOU1               LEN(4)  TYPE(BU)      COL(145)
FIELD:  CICS-TCCHROU1               LEN(4)  TYPE(BU)      COL(149)
FIELD:  CICS-TCMSGIN2               LEN(4)  TYPE(BU)      COL(153)
FIELD:  CICS-TCCHRIN2               LEN(4)  TYPE(BU)      COL(157)
FIELD:  CICS-TCMSGOU2               LEN(4)  TYPE(BU)      COL(161)

```

■ Record Descriptions

CIMS CICS Transaction Records

FIELD: CICS-TCCHROU2	LEN(4)	TYPE(BU)	COL(165)
FIELD: CICS-TCALLOCT	LEN(4)	TYPE(BU)	COL(169)
FIELD: CICS-SCUGETCT	LEN(4)	TYPE(BU)	COL(173)
FIELD: CICS-SCUSRHWM	LEN(4)	TYPE(BU)	COL(177)
FIELD: CICS-SCUSRSTG	LEN(8)	TYPE(BU)	COL(181)
FIELD: CICS-PCSTGHWM	LEN(4)	TYPE(BU)	COL(189)
FIELD: CICS-PAGINCT	LEN(4)	TYPE(BU)	COL(193)
FIELD: CICS-FCGETCT	LEN(4)	TYPE(BU)	COL(197)
FIELD: CICS-FCPUTCT	LEN(4)	TYPE(BU)	COL(201)
FIELD: CICS-FCBRWCT	LEN(4)	TYPE(BU)	COL(205)
FIELD: CICS-FCADDCT	LEN(4)	TYPE(BU)	COL(209)
FIELD: CICS-FCDELCT	LEN(4)	TYPE(BU)	COL(213)
FIELD: CICS-FCTOTCT	LEN(4)	TYPE(BU)	COL(217)
FIELD: CICS-FCAMCT	LEN(4)	TYPE(BU)	COL(221)
FIELD: CICS-TDTOTCT	LEN(4)	TYPE(BU)	COL(225)
FIELD: CICS-TDGETCT	LEN(4)	TYPE(BU)	COL(229)
FIELD: CICS-TDPUTCT	LEN(4)	TYPE(BU)	COL(233)
FIELD: CICS-TDPURCT	LEN(4)	TYPE(BU)	COL(237)
FIELD: CICS-TSTOTCT	LEN(4)	TYPE(BU)	COL(241)
FIELD: CICS-TSGETCT	LEN(4)	TYPE(BU)	COL(245)
FIELD: CICS-TSPUTACT	LEN(4)	TYPE(BU)	COL(249)
FIELD: CICS-TSPUTMCT	LEN(4)	TYPE(BU)	COL(253)
FIELD: CICS-BMSMAPCT	LEN(4)	TYPE(BU)	COL(257)
FIELD: CICS-BMSINCT	LEN(4)	TYPE(BU)	COL(261)
FIELD: CICS-BMSOUTCT	LEN(4)	TYPE(BU)	COL(265)
FIELD: CICS-BMSTOTCT	LEN(4)	TYPE(BU)	COL(269)
FIELD: CICS-PCLINKCT	LEN(4)	TYPE(BU)	COL(273)
FIELD: CICS-PCXCTLCT	LEN(4)	TYPE(BU)	COL(277)
FIELD: CICS-PCLOADCT	LEN(4)	TYPE(BU)	COL(281)
FIELD: CICS-JCPUWRCT	LEN(4)	TYPE(BU)	COL(285)
FIELD: CICS-ICPUINCT	LEN(4)	TYPE(BU)	COL(289)
FIELD: CICS-SPSYNCCT	LEN(4)	TYPE(BU)	COL(293)
FIELD: CICS-MNEXCCT	LEN(4)	TYPE(BU)	COL(297)
FIELD: CICS-NETNAME	LEN(20)		COL(301)
FIELD: CICS-UOWID	LEN(8)		COL(321)
FIELD: CICS-USRDISPT	LEN(4)	TYPE(BU)	COL(329)
FIELD: CICS-USRDISPT-2	LEN(4)	TYPE(BU)	COL(333)
FIELD: CICS-USRCPUT	LEN(4)	TYPE(BU)	COL(337)
FIELD: CICS-USRCPUT-2	LEN(4)	TYPE(BU)	COL(341)
FIELD: CICS-TCIOWTT	LEN(4)	TYPE(BU)	COL(345)
FIELD: CICS-TCIOWTT-2	LEN(4)	TYPE(BU)	COL(349)
FIELD: CICS-FCIOWTT	LEN(4)	TYPE(BU)	COL(353)
FIELD: CICS-FCIOWTT-2	LEN(4)	TYPE(BU)	COL(357)
FIELD: CICS-JCIOWTT	LEN(4)	TYPE(BU)	COL(361)
FIELD: CICS-JCIOWTT-2	LEN(4)	TYPE(BU)	COL(365)
FIELD: CICS-TSIOWTT	LEN(4)	TYPE(BU)	COL(369)
FIELD: CICS-TSIOWTT-2	LEN(4)	TYPE(BU)	COL(373)
FIELD: CICS-SUSPTIME	LEN(4)	TYPE(BU)	COL(377)
FIELD: CICS-SUSPTIME-2	LEN(4)	TYPE(BU)	COL(381)

Report Writer Name = CICSRC06 (OS/390 Only)

This is a Detail Transaction Record for CICS releases 3.1 and 3.2. This record is created by CIMSCMF1/CIMSCMFP.

```

FILE:   CICS-REL3_1-REL3_2-RECORD  DDNAME(CICSRECS)      LRECL(2000)

*       CIMS-CICS-REC-TYP = 910

*       CIMS-CICS-RELEASE-ID = C'31' OR C'32'

FIELD:  CIMS-CICS-RECORD-LENGTH    LEN(2)  TYPE(BU)      COL(1)
FIELD:  CIMS-CICS-RECORD-FILLER    LEN(2)  TYPE(BU)      COL(3)
FIELD:  CIMS-CICS-REC-TYPE          LEN(2)  TYPE(PACKED)  COL(5)
FIELD:  CIMS-CICS-SORTID            LEN(1)  FORMAT(HEX)   COL(7)
FIELD:  CIMS-CICS-FILLER-1          LEN(1)                               COL(8)
FIELD:  CIMS-CICS-DELETE-CODE       LEN(1)                               COL(9)
FIELD:  CIMS-CICS-CONSTANT           LEN(1)                               COL(10)
FIELD:  CIMS-CICS-FILLER-2           LEN(1)                               COL(11)
FIELD:  CIMS-CICS-RELEASE-ID         LEN(2)                               COL(12)
FIELD:  CIMS-CICS-RELEASE-ID-HEX    LEN(2)  FORMAT(HEX)   COL(12)
FIELD:  CIMS-CICS-APPLID             LEN(8)                               COL(14)
FIELD:  CIMS-CICS-ACCT-CODE          LEN(32)                              COL(22)
FIELD:  CIMS-CICS-ACT1               LEN(8)                               COL(22)
FIELD:  CIMS-CICS-USER-ID            LEN(8)                               COL(22)
FIELD:  CIMS-CICS-ACT2               LEN(8)                               COL(30)
FIELD:  CIMS-CICS-TRAN-ID            LEN(4)                               COL(30)
FIELD:  CIMS-CICS-TERM-ID            LEN(4)                               COL(34)
FIELD:  CIMS-CICS-ACT3               LEN(8)                               COL(38)
FIELD:  CIMS-CICS-OPER-ID            LEN(3)                               COL(38)
FIELD:  CIMS-CICS-ACT4               LEN(8)                               COL(46)
FIELD:  CIMS-CICS-SYSTEM-ID          LEN(4)                               COL(54)
FIELD:  CIMS-CICS-SHIFT-CODE         LEN(1)                               COL(58)
FIELD:  CIMS-CICS-FILLER-3           LEN(2)                               COL(59)
FIELD:  CIMS-CICS-RECORD-COUNT       LEN(4)  TYPE(BU)      COL(61)
FIELD:  CIMS-CICS-RECORD-DATE        LEN(4)  TYPE(P-YYDDD) COL(65)
FIELD:  CIMS-CICS-RECORD-DATE1       LEN(4)  TYPE(PACKED)  COL(65)
FIELD:  CIMS-CICS-RECORD-TIME        LEN(4)  TYPE(B-SECS)  COL(69)      DEC(2)
FIELD:  CIMS-CICS-RECORD-TIME-ND     LEN(4)  TYPE(BU)      COL(69)
FIELD:  CICS-TRAN                    LEN(4)                               COL(73)
FIELD:  CICS-TERM                     LEN(4)                               COL(77)
FIELD:  CICS-USER                      LEN(8)                               COL(81)
FIELD:  CICS-TYPE                      LEN(4)                               COL(89)
FIELD:  CICS-START                     LEN(8)  TYPE(STCKTIME) COL(93)
FIELD:  CICS-START-TIME                LEN(4)  TYPE(BU)      COL(95)
FIELD:  CICS-STOP                      LEN(8)  TYPE(STCKTIME) COL(101)
FIELD:  CICS-STOP-TIME                 LEN(4)  TYPE(BU)      COL(103)
FIELD:  CICS-TRANNUM                   LEN(4)  TYPE(PACKED)  COL(109)
FIELD:  CICS-TRANPRI                   LEN(4)                               COL(113)
FIELD:  CICS-TCLASS                    LEN(4)                               COL(117)
FIELD:  CICS-LUNAME                    LEN(8)                               COL(121)
FIELD:  CICS-OPR                       LEN(4)                               COL(129)
FIELD:  CICS-PGMNAME                   LEN(8)                               COL(133)
FIELD:  CICS-NETNAME                   LEN(20)                              COL(141)
FIELD:  CICS-UOWID                     LEN(8)                               COL(161)
FIELD:  CICS-TASKFLAG                  LEN(4)                               COL(169)
FIELD:  CICS-ABCODEO                   LEN(4)                               COL(173)
FIELD:  CICS-ABCODEC                   LEN(4)                               COL(177)
FIELD:  CICS-RTYPE                     LEN(4)                               COL(181)

```

■ Record Descriptions

CIMS CICS Transaction Records

FIELD: CICS-TCMSGIN1	LEN(4)	TYPE(BU)	COL(185)
FIELD: CICS-TCCHRIN1	LEN(4)	TYPE(BU)	COL(189)
FIELD: CICS-TCMSGOU1	LEN(4)	TYPE(BU)	COL(193)
FIELD: CICS-TCCHROU1	LEN(4)	TYPE(BU)	COL(197)
FIELD: CICS-TCMSGIN2	LEN(4)	TYPE(BU)	COL(201)
FIELD: CICS-TCCHRIN2	LEN(4)	TYPE(BU)	COL(205)
FIELD: CICS-TCMSGOU2	LEN(4)	TYPE(BU)	COL(209)
FIELD: CICS-TCCHROU2	LEN(4)	TYPE(BU)	COL(213)
FIELD: CICS-TCALLOCT	LEN(4)	TYPE(BU)	COL(217)
FIELD: CICS-TCSTG	LEN(4)	TYPE(BU)	COL(221)
FIELD: CICS-SCUGETCT	LEN(4)	TYPE(BU)	COL(225)
FIELD: CICS-SCUGETCT-2	LEN(4)	TYPE(BU)	COL(229)
FIELD: CICS-SCUSRHWM	LEN(4)	TYPE(BU)	COL(233)
FIELD: CICS-SCUSRHWM-2	LEN(4)	TYPE(BU)	COL(237)
FIELD: CICS-SCUSRSTG	LEN(8)	TYPE(BU)	COL(241)
FIELD: CICS-SCUSRSTG-2	LEN(8)	TYPE(BU)	COL(249)
FIELD: CICS-PCSTGHWM	LEN(4)	TYPE(BU)	COL(257)
FIELD: CICS-PC24BHWM	LEN(4)	TYPE(BU)	COL(261)
FIELD: CICS-FCGETCT	LEN(4)	TYPE(BU)	COL(265)
FIELD: CICS-FCPUTCT	LEN(4)	TYPE(BU)	COL(269)
FIELD: CICS-FCBRWCT	LEN(4)	TYPE(BU)	COL(273)
FIELD: CICS-FCADDCT	LEN(4)	TYPE(BU)	COL(277)
FIELD: CICS-FCDELCT	LEN(4)	TYPE(BU)	COL(281)
FIELD: CICS-FCTOTCT	LEN(4)	TYPE(BU)	COL(285)
FIELD: CICS-FCAMCT	LEN(4)	TYPE(BU)	COL(289)
FIELD: CICS-TDGETCT	LEN(4)	TYPE(BU)	COL(293)
FIELD: CICS-TDPUTCT	LEN(4)	TYPE(BU)	COL(297)
FIELD: CICS-TDPURCT	LEN(4)	TYPE(BU)	COL(301)
FIELD: CICS-TDTOTCT	LEN(4)	TYPE(BU)	COL(305)
FIELD: CICS-TSGETCT	LEN(4)	TYPE(BU)	COL(309)
FIELD: CICS-TSPUTACT	LEN(4)	TYPE(BU)	COL(313)
FIELD: CICS-TSPUTMCT	LEN(4)	TYPE(BU)	COL(317)
FIELD: CICS-TSTOTCT	LEN(4)	TYPE(BU)	COL(321)
FIELD: CICS-BMSMAPCT	LEN(4)	TYPE(BU)	COL(325)
FIELD: CICS-BMSINCT	LEN(4)	TYPE(BU)	COL(329)
FIELD: CICS-BMSOUTCT	LEN(4)	TYPE(BU)	COL(333)
FIELD: CICS-BMSTOTCT	LEN(4)	TYPE(BU)	COL(337)
FIELD: CICS-PCLINKCT	LEN(4)	TYPE(BU)	COL(341)
FIELD: CICS-PCXCTLCT	LEN(4)	TYPE(BU)	COL(345)
FIELD: CICS-PCLOADCT	LEN(4)	TYPE(BU)	COL(349)
FIELD: CICS-JCPUWRCT	LEN(4)	TYPE(BU)	COL(353)
FIELD: CICS-ICPUINCT	LEN(4)	TYPE(BU)	COL(357)
FIELD: CICS-SPSYNCCT	LEN(4)	TYPE(BU)	COL(361)
FIELD: CICS-USRDISPT	LEN(4)	TYPE(BU)	COL(365)
FIELD: CICS-USRDISPT-2	LEN(4)	TYPE(BU)	COL(369)
FIELD: CICS-USRCPUT	LEN(4)	TYPE(BU)	COL(373)
FIELD: CICS-USRCPUT-2	LEN(4)	TYPE(BU)	COL(377)
FIELD: CICS-SUSPTIME	LEN(4)	TYPE(BU)	COL(381)
FIELD: CICS-SUSPTIME-2	LEN(4)	TYPE(BU)	COL(385)
FIELD: CICS-DISPWTT	LEN(4)	TYPE(BU)	COL(389)
FIELD: CICS-DISPWTT-2	LEN(4)	TYPE(BU)	COL(393)
FIELD: CICS-EXWTTIME	LEN(4)	TYPE(BU)	COL(397)
FIELD: CICS-EXWTTIME-2	LEN(4)	TYPE(BU)	COL(401)
FIELD: CICS-TCIOWTT	LEN(4)	TYPE(BU)	COL(405)
FIELD: CICS-TCIOWTT-2	LEN(4)	TYPE(BU)	COL(409)
FIELD: CICS-FCIOWTT	LEN(4)	TYPE(BU)	COL(413)
FIELD: CICS-FCIOWTT-2	LEN(4)	TYPE(BU)	COL(417)
FIELD: CICS-JCIOWTT	LEN(4)	TYPE(BU)	COL(421)
FIELD: CICS-JCIOWTT-2	LEN(4)	TYPE(BU)	COL(425)

FIELD: CICS-TSIOWTT	LEN(4)	TYPE(BU)	COL(429)
FIELD: CICS-TSIOWTT-2	LEN(4)	TYPE(BU)	COL(433)
FIELD: CICS-IRIOWTT	LEN(4)	TYPE(BU)	COL(437)
FIELD: CICS-IRIOWTT-2	LEN(4)	TYPE(BU)	COL(441)
FIELD: CICS-TDIOWTT	LEN(4)	TYPE(BU)	COL(445)
FIELD: CICS-TDIOWTT-2	LEN(4)	TYPE(BU)	COL(449)

Report Writer Name = CICSRC07 (OS/390 Only)

This is a Detail Transaction Record for CICS release 3.3. This record is created by CIMSCMF1/CIMSCMFP.

FILE:	CICS-REL3_3-RECORD	DDNAME(CICSRECS)	LRECL(2000)
*	CIMS-CICS-REC-TYPE = 910		
*	CIMS-CICS-RELEASE-ID = X'0330'		
FIELD:	CIMS-CICS-RECORD-LENGTH	LEN(2) TYPE(BU)	COL(1)
FIELD:	CIMS-CICS-RECORD-FILLER	LEN(2) TYPE(BU)	COL(3)
FIELD:	CIMS-CICS-REC-TYPE	LEN(2) TYPE(PACKED)	COL(5)
FIELD:	CIMS-CICS-SORTID	LEN(1) FORMAT(HEX)	COL(7)
FIELD:	CIMS-CICS-FILLER-1	LEN(1)	COL(8)
FIELD:	CIMS-CICS-DELETE-CODE	LEN(1)	COL(9)
FIELD:	CIMS-CICS-CONSTANT	LEN(1)	COL(10)
FIELD:	CIMS-CICS-FILLER-2	LEN(1)	COL(11)
FIELD:	CIMS-CICS-RELEASE-ID	LEN(2)	COL(12)
FIELD:	CIMS-CICS-RELEASE-ID-HEX	LEN(2) FORMAT(HEX)	COL(12)
FIELD:	CIMS-CICS-APPLID	LEN(8)	COL(14)
FIELD:	CIMS-CICS-ACCT-CODE	LEN(32)	COL(22)
FIELD:	CIMS-CICS-ACT1	LEN(8)	COL(22)
FIELD:	CIMS-CICS-USER-ID	LEN(8)	COL(22)
FIELD:	CIMS-CICS-ACT2	LEN(8)	COL(30)
FIELD:	CIMS-CICS-TRAN-ID	LEN(4)	COL(30)
FIELD:	CIMS-CICS-TERM-ID	LEN(4)	COL(34)
FIELD:	CIMS-CICS-ACT3	LEN(8)	COL(38)
FIELD:	CIMS-CICS-OPER-ID	LEN(3)	COL(38)
FIELD:	CIMS-CICS-ACT4	LEN(8)	COL(46)
FIELD:	CIMS-CICS-SYSTEM-ID	LEN(4)	COL(54)
FIELD:	CIMS-CICS-SHIFT-CODE	LEN(1)	COL(58)
FIELD:	CIMS-CICS-FILLER-3	LEN(2)	COL(59)
FIELD:	CIMS-CICS-RECORD-COUNT	LEN(4) TYPE(BU)	COL(61)
FIELD:	CIMS-CICS-RECORD-DATE	LEN(4) TYPE(P-YYDDD)	COL(65)
FIELD:	CIMS-CICS-RECORD-DATE1	LEN(4) TYPE(PACKED)	COL(65)
FIELD:	CIMS-CICS-RECORD-TIME	LEN(4) TYPE(B-SECS)	COL(69) DEC(2)
FIELD:	CIMS-CICS-RECORD-TIME-ND	LEN(4) TYPE(BU)	COL(69)
FIELD:	CICS-TRAN	LEN(4)	COL(73)
FIELD:	CICS-TERM	LEN(4)	COL(77)
FIELD:	CICS-USER	LEN(8)	COL(81)
FIELD:	CICS-TYPE	LEN(4)	COL(89)
FIELD:	CICS-START	LEN(8) TYPE(STCKTIME)	COL(93)
FIELD:	CICS-START-TIME	LEN(4) TYPE(BU)	COL(95)
FIELD:	CICS-STOP	LEN(8) TYPE(STCKTIME)	COL(101)
FIELD:	CICS-STOP-TIME	LEN(4) TYPE(BU)	COL(103)
FIELD:	CICS-TRANNUM	LEN(4) TYPE(PACKED)	COL(109)
FIELD:	CICS-TRANPRI	LEN(4)	COL(113)
FIELD:	CICS-TCLASS	LEN(4)	COL(117)
FIELD:	CICS-LUNAME	LEN(8)	COL(121)
FIELD:	CICS-OPR	LEN(4)	COL(129)
FIELD:	CICS-PGMNAME	LEN(8)	COL(133)
FIELD:	CICS-NETNAME	LEN(20)	COL(141)
FIELD:	CICS-UOWID	LEN(8)	COL(161)
FIELD:	CICS-TASKFLAG	LEN(4)	COL(169)
FIELD:	CICS-ABCODE0	LEN(4)	COL(173)
FIELD:	CICS-ABCODEC	LEN(4)	COL(177)
FIELD:	CICS-RTYPE	LEN(4)	COL(181)
FIELD:	CICS-TCMSGIN1	LEN(4) TYPE(BU)	COL(185)
FIELD:	CICS-TCCHRIN1	LEN(4) TYPE(BU)	COL(189)

FIELD: CICS-TCMSGOU1	LEN(4)	TYPE(BU)	COL(193)
FIELD: CICS-TCCHROU1	LEN(4)	TYPE(BU)	COL(197)
FIELD: CICS-TCMSGIN2	LEN(4)	TYPE(BU)	COL(201)
FIELD: CICS-TCCHRIN2	LEN(4)	TYPE(BU)	COL(205)
FIELD: CICS-TCMSGOU2	LEN(4)	TYPE(BU)	COL(209)
FIELD: CICS-TCCHROU2	LEN(4)	TYPE(BU)	COL(213)
FIELD: CICS-TCALLOCT	LEN(4)	TYPE(BU)	COL(217)
FIELD: CICS-TCSTG	LEN(4)	TYPE(BU)	COL(221)
FIELD: CICS-SCUGETCT	LEN(4)	TYPE(BU)	COL(225)
FIELD: CICS-SCUGETCT-2	LEN(4)	TYPE(BU)	COL(229)
FIELD: CICS-SCCGETCT	LEN(4)	TYPE(BU)	COL(233)
FIELD: CICS-SCCGETCT-2	LEN(4)	TYPE(BU)	COL(237)
FIELD: CICS-SCUSRHWM	LEN(4)	TYPE(BU)	COL(241)
FIELD: CICS-SCUSRHWM-2	LEN(4)	TYPE(BU)	COL(245)
FIELD: CICS-SC24CHWM	LEN(4)	TYPE(BU)	COL(249)
FIELD: CICS-SC31CHWM	LEN(4)	TYPE(BU)	COL(253)
FIELD: CICS-SCUSRSTG	LEN(8)	TYPE(BU)	COL(257)
FIELD: CICS-SCUSRSTG-2	LEN(8)	TYPE(BU)	COL(265)
FIELD: CICS-SC24COCC	LEN(8)	TYPE(BU)	COL(273)
FIELD: CICS-SC31COCC	LEN(8)	TYPE(BU)	COL(281)
FIELD: CICS-PCSTGHWM	LEN(4)	TYPE(BU)	COL(289)
FIELD: CICS-PC31AHWM	LEN(4)	TYPE(BU)	COL(293)
FIELD: CICS-PC24BHWM	LEN(4)	TYPE(BU)	COL(297)
FIELD: CICS-PC31UHWM	LEN(4)	TYPE(BU)	COL(301)
FIELD: CICS-PC24UHWM	LEN(4)	TYPE(BU)	COL(305)
FIELD: CICS-PC31CHWM	LEN(4)	TYPE(BU)	COL(309)
FIELD: CICS-PC24CHWM	LEN(4)	TYPE(BU)	COL(313)
FIELD: CICS-PC31RHWM	LEN(4)	TYPE(BU)	COL(317)
FIELD: CICS-FCGETCT	LEN(4)	TYPE(BU)	COL(321)
FIELD: CICS-FCPUTCT	LEN(4)	TYPE(BU)	COL(325)
FIELD: CICS-FCBRWCT	LEN(4)	TYPE(BU)	COL(329)
FIELD: CICS-FCADDCT	LEN(4)	TYPE(BU)	COL(333)
FIELD: CICS-FCDELCT	LEN(4)	TYPE(BU)	COL(337)
FIELD: CICS-FCTOTCT	LEN(4)	TYPE(BU)	COL(341)
FIELD: CICS-FCAMCT	LEN(4)	TYPE(BU)	COL(345)
FIELD: CICS-TDGETCT	LEN(4)	TYPE(BU)	COL(349)
FIELD: CICS-TDPUTCT	LEN(4)	TYPE(BU)	COL(353)
FIELD: CICS-TDPURCT	LEN(4)	TYPE(BU)	COL(357)
FIELD: CICS-TDTOTCT	LEN(4)	TYPE(BU)	COL(361)
FIELD: CICS-TSGETCT	LEN(4)	TYPE(BU)	COL(365)
FIELD: CICS-TSPUTACT	LEN(4)	TYPE(BU)	COL(369)
FIELD: CICS-TSPUTMCT	LEN(4)	TYPE(BU)	COL(373)
FIELD: CICS-TSTOTCT	LEN(4)	TYPE(BU)	COL(377)
FIELD: CICS-BMSMAPCT	LEN(4)	TYPE(BU)	COL(381)
FIELD: CICS-BMSINCT	LEN(4)	TYPE(BU)	COL(385)
FIELD: CICS-BMSOUTCT	LEN(4)	TYPE(BU)	COL(389)
FIELD: CICS-BMSTOTCT	LEN(4)	TYPE(BU)	COL(393)
FIELD: CICS-PCLINKCT	LEN(4)	TYPE(BU)	COL(397)
FIELD: CICS-PCXCTLCT	LEN(4)	TYPE(BU)	COL(401)
FIELD: CICS-PCLOADCT	LEN(4)	TYPE(BU)	COL(405)
FIELD: CICS-JCPUWRCT	LEN(4)	TYPE(BU)	COL(409)
FIELD: CICS-ICPUINCT	LEN(4)	TYPE(BU)	COL(413)
FIELD: CICS-SPSYNCCT	LEN(4)	TYPE(BU)	COL(417)
FIELD: CICS-USRDISPT	LEN(4)	TYPE(BU)	COL(421)
FIELD: CICS-USRDISPT-2	LEN(4)	TYPE(BU)	COL(425)
FIELD: CICS-USRCPUT	LEN(4)	TYPE(BU)	COL(429)
FIELD: CICS-USRCPUT-2	LEN(4)	TYPE(BU)	COL(433)
FIELD: CICS-SUSPTIME	LEN(4)	TYPE(BU)	COL(437)
FIELD: CICS-SUSPTIME-2	LEN(4)	TYPE(BU)	COL(441)

■ Record Descriptions

CIMS CICS Transaction Records

FIELD: CICS-DISPWTT	LEN(4) TYPE(BU)	COL(445)
FIELD: CICS-DISPWTT-2	LEN(4) TYPE(BU)	COL(449)
FIELD: CICS-EXWTTIME	LEN(4) TYPE(BU)	COL(453)
FIELD: CICS-EXWTTIME-2	LEN(4) TYPE(BU)	COL(457)
FIELD: CICS-TCIOWTT	LEN(4) TYPE(BU)	COL(461)
FIELD: CICS-TCIOWTT-2	LEN(4) TYPE(BU)	COL(465)
FIELD: CICS-FCIOWTT	LEN(4) TYPE(BU)	COL(469)
FIELD: CICS-FCIOWTT-2	LEN(4) TYPE(BU)	COL(473)
FIELD: CICS-JCIOWTT	LEN(4) TYPE(BU)	COL(477)
FIELD: CICS-JCIOWTT-2	LEN(4) TYPE(BU)	COL(481)
FIELD: CICS-TSIOWTT	LEN(4) TYPE(BU)	COL(485)
FIELD: CICS-TSIOWTT-2	LEN(4) TYPE(BU)	COL(489)
FIELD: CICS-IRIOWTT	LEN(4) TYPE(BU)	COL(493)
FIELD: CICS-IRIOWTT-2	LEN(4) TYPE(BU)	COL(497)
FIELD: CICS-TDIOWTT	LEN(4) TYPE(BU)	COL(501)
FIELD: CICS-TDIOWTT-2	LEN(4) TYPE(BU)	COL(505)
FIELD: CICS-PCLOADTM	LEN(4) TYPE(BU)	COL(509)
FIELD: CICS-PCLOADTM-2	LEN(4) TYPE(BU)	COL(513)

Report Writer Name = CICSRC08 (OS/390 Only)

This is a Detail Transaction Record for CICS release 4.1. This record is created by CIMSCMF1/CIMSCMFP.

FILE:	CICS-REL4_1-RECORD	DDNAME(CICSRECS)	LRECL(700)
*	CIMS-CICS-REC-TYPE = 910		
*	CIMS-CICS-RELEASE-ID = X'0410'		
FIELD:	CIMS-CICS-RECORD-LENGTH	LEN(2) TYPE(BU)	COL(1)
FIELD:	CIMS-CICS-RECORD-FILLER	LEN(2) TYPE(BU)	COL(3)
FIELD:	CIMS-CICS-REC-TYPE	LEN(2) TYPE(PACKED)	COL(5)
FIELD:	CIMS-CICS-SORTID	LEN(1) FORMAT(HEX)	COL(7)
FIELD:	CIMS-CICS-FILLER-1	LEN(1)	COL(8)
FIELD:	CIMS-CICS-DELETE-CODE	LEN(1)	COL(9)
FIELD:	CIMS-CICS-CONSTANT	LEN(1)	COL(10)
FIELD:	CIMS-CICS-FILLER-2	LEN(1)	COL(11)
FIELD:	CIMS-CICS-RELEASE-ID	LEN(2)	COL(12)
FIELD:	CIMS-CICS-RELEASE-ID-HEX	LEN(2) FORMAT(HEX)	COL(12)
FIELD:	CIMS-CICS-APPLID	LEN(8)	COL(14)
FIELD:	CIMS-CICS-ACCT-CODE	LEN(32)	COL(22)
FIELD:	CIMS-CICS-ACT1	LEN(8)	COL(22)
FIELD:	CIMS-CICS-USER-ID	LEN(8)	COL(22)
FIELD:	CIMS-CICS-ACT2	LEN(8)	COL(30)
FIELD:	CIMS-CICS-TRAN-ID	LEN(4)	COL(30)
FIELD:	CIMS-CICS-TERM-ID	LEN(4)	COL(34)
FIELD:	CIMS-CICS-ACT3	LEN(8)	COL(38)
FIELD:	CIMS-CICS-OPER-ID	LEN(3)	COL(38)
FIELD:	CIMS-CICS-ACT4	LEN(8)	COL(46)
FIELD:	CIMS-CICS-SYSTEM-ID	LEN(4)	COL(54)
FIELD:	CIMS-CICS-SHIFT-CODE	LEN(1)	COL(58)
FIELD:	CIMS-CICS-FILLER-3	LEN(2)	COL(59)
FIELD:	CIMS-CICS-RECORD-COUNT	LEN(4) TYPE(BU)	COL(61)
FIELD:	CIMS-CICS-RECORD-DATE	LEN(4) TYPE(P-CYYDDD)	COL(65)
FIELD:	CIMS-CICS-RECORD-DATE1	LEN(4) TYPE(PACKED)	COL(65)
FIELD:	CIMS-CICS-RECORD-TIME	LEN(4) TYPE(B-SECS)	COL(69) DEC(2)
FIELD:	CIMS-CICS-RECORD-TIME-ND	LEN(4) TYPE(BU)	COL(69)
FIELD:	CICS-TRAN	LEN(4)	COL(73)
FIELD:	CICS-TERM	LEN(4)	COL(77)
FIELD:	CICS-USER	LEN(8)	COL(81)
FIELD:	CICS-TYPE	LEN(4)	COL(89)
FIELD:	CICS-START	LEN(8) TYPE(STCKTIME)	COL(93)
FIELD:	CICS-START-DATE	LEN(8) TYPE(STCKDATE)	COL(93)
FIELD:	CICS-START-TIME	LEN(6) TYPE(BU)	COL(93)
FIELD:	CICS-STOP	LEN(8) TYPE(STCKTIME)	COL(101)
FIELD:	CICS-STOP-DATE	LEN(8) TYPE(STCKDATE)	COL(101)
FIELD:	CICS-STOP-TIME	LEN(6) TYPE(BU)	COL(101)
FIELD:	CICS-TRANNUM	LEN(4) TYPE(PACKED)	COL(109)
FIELD:	CICS-TRANPRI	LEN(4)	COL(113)
FIELD:	CICS-TCLSNAME	LEN(8)	COL(117)
FIELD:	CICS-LUNAME	LEN(8)	COL(125)
FIELD:	CICS-PGMNAME	LEN(8)	COL(133)
FIELD:	CICS-NETNAME	LEN(20)	COL(141)
FIELD:	CICS-UOWID	LEN(8)	COL(161)
FIELD:	CICS-RSYSID	LEN(4)	COL(169)
FIELD:	CICS-TASKFLAG	LEN(4)	COL(173)
FIELD:	CICS-ABCODE0	LEN(4)	COL(177)
FIELD:	CICS-ABCODEC	LEN(4)	COL(181)
FIELD:	CICS-RTYPE	LEN(4)	COL(185)

■ Record Descriptions

CIMS CICS Transaction Records

FIELD: CICS-TCMSGIN1	LEN(4) TYPE(BU)	COL(189)
FIELD: CICS-TCCHRIN1	LEN(4) TYPE(BU)	COL(193)
FIELD: CICS-TCMSGOU1	LEN(4) TYPE(BU)	COL(197)
FIELD: CICS-TCCHROU1	LEN(4) TYPE(BU)	COL(201)
FIELD: CICS-TCMSGIN2	LEN(4) TYPE(BU)	COL(205)
FIELD: CICS-TCCHRIN2	LEN(4) TYPE(BU)	COL(209)
FIELD: CICS-TCMSGOU2	LEN(4) TYPE(BU)	COL(213)
FIELD: CICS-TCCHROU2	LEN(4) TYPE(BU)	COL(217)
FIELD: CICS-TCM62IN2	LEN(4) TYPE(BU)	COL(221)
FIELD: CICS-TCC62IN2	LEN(4) TYPE(BU)	COL(225)
FIELD: CICS-TCM62OU2	LEN(4) TYPE(BU)	COL(229)
FIELD: CICS-TCC62OU2	LEN(4) TYPE(BU)	COL(233)
FIELD: CICS-TCALLOCT	LEN(4) TYPE(BU)	COL(237)
FIELD: CICS-SCUGETCT	LEN(4) TYPE(BU)	COL(241)
FIELD: CICS-SCUGETCT-2	LEN(4) TYPE(BU)	COL(245)
FIELD: CICS-SCCGETCT	LEN(4) TYPE(BU)	COL(249)
FIELD: CICS-SCCGETCT-2	LEN(4) TYPE(BU)	COL(253)
FIELD: CICS-SCUSRHWM	LEN(4) TYPE(BU)	COL(257)
FIELD: CICS-SCUSRHWM-2	LEN(4) TYPE(BU)	COL(261)
FIELD: CICS-SC24CHWM	LEN(4) TYPE(BU)	COL(265)
FIELD: CICS-SC31CHWM	LEN(4) TYPE(BU)	COL(269)
FIELD: CICS-SCUSRSTG	LEN(8) TYPE(BU)	COL(273)
FIELD: CICS-SCUSRSTG-2	LEN(8) TYPE(BU)	COL(281)
FIELD: CICS-SC24COCC	LEN(8) TYPE(BU)	COL(289)
FIELD: CICS-SC31COCC	LEN(8) TYPE(BU)	COL(297)
FIELD: CICS-PCSTGHWM	LEN(4) TYPE(BU)	COL(305)
FIELD: CICS-PC31AHWM	LEN(4) TYPE(BU)	COL(309)
FIELD: CICS-PC24BHWM	LEN(4) TYPE(BU)	COL(313)
FIELD: CICS-PC31CHWM	LEN(4) TYPE(BU)	COL(317)
FIELD: CICS-PC24CHWM	LEN(4) TYPE(BU)	COL(321)
FIELD: CICS-PC31RHWM	LEN(4) TYPE(BU)	COL(325)
FIELD: CICS-PC24RHWM	LEN(4) TYPE(BU)	COL(329)
FIELD: CICS-PC31SHWM	LEN(4) TYPE(BU)	COL(333)
FIELD: CICS-PC24SHWM	LEN(4) TYPE(BU)	COL(337)
FIELD: CICS-FCGETCT	LEN(4) TYPE(BU)	COL(341)
FIELD: CICS-FCPUTCT	LEN(4) TYPE(BU)	COL(345)
FIELD: CICS-FCBRWCT	LEN(4) TYPE(BU)	COL(349)
FIELD: CICS-FCADDCT	LEN(4) TYPE(BU)	COL(353)
FIELD: CICS-FCDELCT	LEN(4) TYPE(BU)	COL(357)
FIELD: CICS-FCTOTCT	LEN(4) TYPE(BU)	COL(361)
FIELD: CICS-FCAMCT	LEN(4) TYPE(BU)	COL(365)
FIELD: CICS-TDGETCT	LEN(4) TYPE(BU)	COL(369)
FIELD: CICS-TDPUTCT	LEN(4) TYPE(BU)	COL(373)
FIELD: CICS-TDPURCT	LEN(4) TYPE(BU)	COL(377)
FIELD: CICS-TDTOTCT	LEN(4) TYPE(BU)	COL(381)
FIELD: CICS-TSGETCT	LEN(4) TYPE(BU)	COL(385)
FIELD: CICS-TSPUTACT	LEN(4) TYPE(BU)	COL(389)
FIELD: CICS-TSPUTMCT	LEN(4) TYPE(BU)	COL(393)
FIELD: CICS-TSTOTCT	LEN(4) TYPE(BU)	COL(397)
FIELD: CICS-BMSMAPCT	LEN(4) TYPE(BU)	COL(401)
FIELD: CICS-BMSINCT	LEN(4) TYPE(BU)	COL(405)
FIELD: CICS-BMSOUTCT	LEN(4) TYPE(BU)	COL(409)
FIELD: CICS-BMSTOTCT	LEN(4) TYPE(BU)	COL(413)
FIELD: CICS-PCLINKCT	LEN(4) TYPE(BU)	COL(417)
FIELD: CICS-PCXCTLCT	LEN(4) TYPE(BU)	COL(421)
FIELD: CICS-PCLOADCT	LEN(4) TYPE(BU)	COL(425)
FIELD: CICS-JCPUWRCT	LEN(4) TYPE(BU)	COL(429)
FIELD: CICS-ICPUINCT	LEN(4) TYPE(BU)	COL(433)
FIELD: CICS-SPSYNCCT	LEN(4) TYPE(BU)	COL(437)

FIELD: CICS-SZALLOCT	LEN(4) TYPE(BU)	COL(441)
FIELD: CICS-SZRCVCT	LEN(4) TYPE(BU)	COL(445)
FIELD: CICS-SZENDCT	LEN(4) TYPE(BU)	COL(449)
FIELD: CICS-SZSTRCT	LEN(4) TYPE(BU)	COL(453)
FIELD: CICS-SZCHROUT	LEN(4) TYPE(BU)	COL(457)
FIELD: CICS-SZCHRIN	LEN(4) TYPE(BU)	COL(461)
FIELD: CICS-SZALLCTO	LEN(4) TYPE(BU)	COL(465)
FIELD: CICS-SZRCVTO	LEN(4) TYPE(BU)	COL(469)
FIELD: CICS-SZTOTCT	LEN(4) TYPE(BU)	COL(473)
FIELD: CICS-USRDISPT	LEN(4) TYPE(BU)	COL(477)
FIELD: CICS-USRDISPT-2	LEN(4) TYPE(BU)	COL(481)
FIELD: CICS-USRCPUT	LEN(4) TYPE(BU)	COL(485)
FIELD: CICS-USRCPUT-2	LEN(4) TYPE(BU)	COL(489)
FIELD: CICS-SUSPTIME	LEN(4) TYPE(BU)	COL(493)
FIELD: CICS-SUSPTIME-2	LEN(4) TYPE(BU)	COL(497)
FIELD: CICS-DISPWTT	LEN(4) TYPE(BU)	COL(501)
FIELD: CICS-DISPWTT-2	LEN(4) TYPE(BU)	COL(505)
FIELD: CICS-EXWTTIME	LEN(4) TYPE(BU)	COL(509)
FIELD: CICS-EXWTTIME-2	LEN(4) TYPE(BU)	COL(513)
FIELD: CICS-TCIOWTT	LEN(4) TYPE(BU)	COL(517)
FIELD: CICS-TCIOWTT-2	LEN(4) TYPE(BU)	COL(521)
FIELD: CICS-FCIOWTT	LEN(4) TYPE(BU)	COL(525)
FIELD: CICS-FCIOWTT-2	LEN(4) TYPE(BU)	COL(529)
FIELD: CICS-JCIOWTT	LEN(4) TYPE(BU)	COL(533)
FIELD: CICS-JCIOWTT-2	LEN(4) TYPE(BU)	COL(537)
FIELD: CICS-TSIOWTT	LEN(4) TYPE(BU)	COL(541)
FIELD: CICS-TSIOWTT-2	LEN(4) TYPE(BU)	COL(545)
FIELD: CICS-IRIOWTT	LEN(4) TYPE(BU)	COL(549)
FIELD: CICS-IRIOWTT-2	LEN(4) TYPE(BU)	COL(553)
FIELD: CICS-TDIOWTT	LEN(4) TYPE(BU)	COL(557)
FIELD: CICS-TDIOWTT-2	LEN(4) TYPE(BU)	COL(561)
FIELD: CICS-PCLOADTM	LEN(4) TYPE(BU)	COL(565)
FIELD: CICS-PCLOADTM-2	LEN(4) TYPE(BU)	COL(569)
FIELD: CICS-DSPDELAY	LEN(4) TYPE(BU)	COL(573)
FIELD: CICS-DSPDELAY-2	LEN(4) TYPE(BU)	COL(577)
FIELD: CICS-TCLDELAY	LEN(4) TYPE(BU)	COL(581)
FIELD: CICS-TCLDELAY-2	LEN(4) TYPE(BU)	COL(585)
FIELD: CICS-MXTDELAY	LEN(4) TYPE(BU)	COL(589)
FIELD: CICS-MXTDELAY-2	LEN(4) TYPE(BU)	COL(593)
FIELD: CICS-ENQDELAY	LEN(4) TYPE(BU)	COL(597)
FIELD: CICS-ENQDELAY-2	LEN(4) TYPE(BU)	COL(601)
FIELD: CICS-LU61WTT	LEN(4) TYPE(BU)	COL(605)
FIELD: CICS-LU61WTT-2	LEN(4) TYPE(BU)	COL(609)
FIELD: CICS-LU62WTT	LEN(4) TYPE(BU)	COL(613)
FIELD: CICS-LU62WTT-2	LEN(4) TYPE(BU)	COL(617)
FIELD: CICS-SZWAIT	LEN(4) TYPE(BU)	COL(621)
FIELD: CICS-SZWAIT-2	LEN(4) TYPE(BU)	COL(625)
FIELD: CICS-RMITIME	LEN(4) TYPE(BU)	COL(629)
FIELD: CICS-RMITIME-2	LEN(4) TYPE(BU)	COL(633)
FIELD: CICS-RMISUSP	LEN(4) TYPE(BU)	COL(637)
FIELD: CICS-RMISISP-2	LEN(4) TYPE(BU)	COL(641)
FIELD: CICS-DCEDELAY	LEN(4) TYPE(BU)	COL(645)
FIELD: CICS-DCEDELAY-2	LEN(4) TYPE(BU)	COL(649)
FIELD: CICS-DCESWAIT	LEN(4) TYPE(BU)	COL(653)
FIELD: CICS-DCESWAIT-2	LEN(4) TYPE(BU)	COL(657)
FIELD: CICS-R4-V1-END	LEN(1)	COL(660)

Report Writer Name = CICSRC12

This is a Detail Transaction Record for CICS release 5.1 (Transaction Server 1.1). This record is created by CIMSCMF1/CIMSCMFP.

```

FILE: CICS-REL5_1-RECORD          DDNAME(CICSRECS)      LRECL(27994)
*
*   CIMS-CICS-REC-TYPE = 910
*
*   CIMS-CICS-RELEASE-ID = X'0510'
*
*   DEFAULT RECORD IS 663 BYTES, PLUS THE 72 BYTE CIMS HEADER FOR
*   FOR A TOTAL OF 736 BYTES. THE DATA THAT FOLLOWS THE CIMS HEADER
*   IS THE CICS PERFORMANCE RECORD AS DEFINED BY EITHER THE DEFAULT
*   DICTIONARY SUPPLIED BY IBM, OR THE MODIFIED DICTIONARY PREPARED
*   BY YOU, THE USER!
*
FIELD: CIMS-CICS-RECORD-LENGTH    LEN(2) TYPE(BU)          COL(1)
FIELD: CIMS-CICS-RECORD-FILLER    LEN(2) TYPE(BU)          COL(3)
FIELD: CIMS-CICS-REC-TYPE          LEN(2) TYPE(PACKED)      COL(5)
FIELD: CIMS-CICS-SORTID            LEN(1) FORMAT(HEX)       COL(7)
FIELD: CIMS-CICS-FILLER-1          LEN(1)                   COL(8)
FIELD: CIMS-CICS-DELETE-CODE       LEN(1)                   COL(9)
FIELD: CIMS-CICS-CONSTANT          LEN(1)                   COL(10)
FIELD: CIMS-CICS-FILLER-2          LEN(1)                   COL(11)
FIELD: CIMS-CICS-RELEASE-ID        LEN(2)                   COL(12)
FIELD: CIMS-CICS-RELEASE-ID-HEX    LEN(2) FORMAT(HEX)      COL(12)
FIELD: CIMS-CICS-APPLID            LEN(8)                   COL(14)
FIELD: CIMS-CICS-ACCT-CODE         LEN(32)                  COL(22)
FIELD: CIMS-CICS-ACT1              LEN(8)                   COL(22)
FIELD: CIMS-CICS-USER-ID           LEN(8)                   COL(22)
FIELD: CIMS-CICS-ACT2              LEN(8)                   COL(30)
FIELD: CIMS-CICS-TRAN-ID           LEN(4)                   COL(30)
FIELD: CIMS-CICS-TERM-ID           LEN(4)                   COL(34)
FIELD: CIMS-CICS-ACT3              LEN(8)                   COL(38)
FIELD: CIMS-CICS-OPER-ID           LEN(3)                   COL(38)
FIELD: CIMS-CICS-ACT4              LEN(8)                   COL(46)
FIELD: CIMS-CICS-SYSTEM-ID         LEN(4)                   COL(54)
FIELD: CIMS-CICS-SHIFT-CODE        LEN(1)                   COL(58)
FIELD: CIMS-CICS-FILLER-3          LEN(2)                   COL(59)
FIELD: CIMS-CICS-RECORD-COUNT      LEN(4) TYPE(BU)          COL(61)
FIELD: CIMS-CICS-RECORD-DATE       LEN(4) TYPE(P-CYYDDD)   COL(65)
FIELD: CIMS-CICS-RECORD-DATE1      LEN(4) TYPE(PACKED)     COL(65)
FIELD: CIMS-CICS-RECORD-TIME       LEN(4) TYPE(B-SECS)     COL(69) DEC(2)
FIELD: CIMS-CICS-RECORD-TIME-ND    LEN(4) TYPE(BU)          COL(69)
*
*   START OF DEFAULT CICS RELEASE 5.1.0 CMF RECORD
*
FIELD: CICS-TRAN                   LEN(4)                   COL(73)
FIELD: CICS-TERM                   LEN(4)                   COL(77)
FIELD: CICS-USER                    LEN(8)                   COL(81)
FIELD: CICS-USERID                  LEN(8)                   COL(81)
FIELD: CICS-TYPE                    LEN(4)                   COL(89)
FIELD: CICS-TTYPE                   LEN(4)                   COL(89)
FIELD: CICS-START                   LEN(8) TYPE(STCKTIME)  COL(93)
FIELD: CICS-START-DATE              LEN(8) TYPE(STCKDATE)  COL(93)
FIELD: CICS-START-TIME              LEN(6) TYPE(BU)          COL(93)
FIELD: CICS-STOP                    LEN(8) TYPE(STCKTIME)  COL(101)

```


FIELD: CICS-STOP-DATE	LEN(8)	TYPE(STCKDATE)	COL(101)
FIELD: CICS-STOP-TIME	LEN(6)	TYPE(BU)	COL(101)
FIELD: CICS-TRANNUM	LEN(4)	TYPE(PACKED)	COL(109)
FIELD: CICS-TRANPRI	LEN(4)		COL(113)
FIELD: CICS-TCLSNAME	LEN(8)		COL(117)
FIELD: CICS-LUNAME	LEN(8)		COL(125)
FIELD: CICS-PGMNAME	LEN(8)		COL(133)
FIELD: CICS-NETUOWPX	LEN(20)		COL(141)
FIELD: CICS-NETNAME	LEN(20)		COL(141)
FIELD: CICS-NETUOWSX	LEN(8)		COL(161)
FIELD: CICS-RSYSID	LEN(4)		COL(169)
FIELD: CICS-PERRENCT	LEN(4)		COL(173)
FIELD: CICS-RMUOWID	LEN(8)		COL(177)
FIELD: CICS-UOWID	LEN(8)		COL(177)
FIELD: CICS-SRVCLSNM	LEN(8)		COL(185)
FIELD: CICS-RPTCLSNM	LEN(8)		COL(193)
FIELD: CICS-FCTYNAME	LEN(4)		COL(201)
FIELD: CICS-TRANFLAG	LEN(8)		COL(205)
FIELD: CICS-TERMINFO	LEN(4)		COL(213)
FIELD: CICS-TERMCNMM	LEN(4)		COL(217)
FIELD: CICS-TASKFLAG	LEN(4)		COL(221)
FIELD: CICS-ABCODEO	LEN(4)		COL(225)
FIELD: CICS-ABCODEC	LEN(4)		COL(229)
FIELD: CICS-RTYPE	LEN(4)		COL(233)
FIELD: CICS-TCMSGIN1	LEN(4)	TYPE(BU)	COL(237)
FIELD: CICS-TCCHRIN1	LEN(4)	TYPE(BU)	COL(241)
FIELD: CICS-TCMSGOU1	LEN(4)	TYPE(BU)	COL(245)
FIELD: CICS-TCCHROU1	LEN(4)	TYPE(BU)	COL(249)
FIELD: CICS-TCMSGIN2	LEN(4)	TYPE(BU)	COL(253)
FIELD: CICS-TCCHRIN2	LEN(4)	TYPE(BU)	COL(257)
FIELD: CICS-TCMSGOU2	LEN(4)	TYPE(BU)	COL(261)
FIELD: CICS-TCCHROU2	LEN(4)	TYPE(BU)	COL(265)
FIELD: CICS-TCM62IN2	LEN(4)	TYPE(BU)	COL(269)
FIELD: CICS-TCC62IN2	LEN(4)	TYPE(BU)	COL(273)
FIELD: CICS-TCM62OU2	LEN(4)	TYPE(BU)	COL(277)
FIELD: CICS-TCC62OU2	LEN(4)	TYPE(BU)	COL(281)
FIELD: CICS-TCALLOCT	LEN(4)	TYPE(BU)	COL(285)
FIELD: CICS-SCUGETCT	LEN(4)	TYPE(BU)	COL(289)
FIELD: CICS-SCUGETCT-2	LEN(4)	TYPE(BU)	COL(293)
FIELD: CICS-SCCGETCT	LEN(4)	TYPE(BU)	COL(297)
FIELD: CICS-SCCGETCT-2	LEN(4)	TYPE(BU)	COL(301)
FIELD: CICS-SCUSRHWM	LEN(4)	TYPE(BU)	COL(305)
FIELD: CICS-SCUSRHWM-2	LEN(4)	TYPE(BU)	COL(309)
FIELD: CICS-SC24CHWM	LEN(4)	TYPE(BU)	COL(313)
FIELD: CICS-SC31CHWM	LEN(4)	TYPE(BU)	COL(317)
FIELD: CICS-SCUSRSTG	LEN(8)	TYPE(BU)	COL(321)
FIELD: CICS-SCUSRSTG-2	LEN(8)	TYPE(BU)	COL(329)
FIELD: CICS-SC24COCC	LEN(8)	TYPE(BU)	COL(337)
FIELD: CICS-SC31COCC	LEN(8)	TYPE(BU)	COL(345)
FIELD: CICS-SC24SGCT	LEN(4)	TYPE(BU)	COL(353)
FIELD: CICS-SC24GSHR	LEN(4)	TYPE(BU)	COL(357)
FIELD: CICS-SC24FSHR	LEN(4)	TYPE(BU)	COL(361)
FIELD: CICS-SC31SGCT	LEN(4)	TYPE(BU)	COL(365)
FIELD: CICS-SC31GSHR	LEN(4)	TYPE(BU)	COL(369)
FIELD: CICS-SC31FSHR	LEN(4)	TYPE(BU)	COL(373)
FIELD: CICS-PCSTGHWM	LEN(4)	TYPE(BU)	COL(377)
FIELD: CICS-PC31AHWM	LEN(4)	TYPE(BU)	COL(381)
FIELD: CICS-PC24BHWM	LEN(4)	TYPE(BU)	COL(385)
FIELD: CICS-PC31CHWM	LEN(4)	TYPE(BU)	COL(389)

Record Descriptions

CIMS CICS Transaction Records

FIELD: CICS-PC24CHWM	LEN(4) TYPE(BU)	COL(393)
FIELD: CICS-PC31RHWM	LEN(4) TYPE(BU)	COL(397)
FIELD: CICS-PC24RHWM	LEN(4) TYPE(BU)	COL(401)
FIELD: CICS-PC31SHWM	LEN(4) TYPE(BU)	COL(405)
FIELD: CICS-PC24SHWM	LEN(4) TYPE(BU)	COL(409)
FIELD: CICS-FCGETCT	LEN(4) TYPE(BU)	COL(413)
FIELD: CICS-FCPUTCT	LEN(4) TYPE(BU)	COL(417)
FIELD: CICS-FCBRWCT	LEN(4) TYPE(BU)	COL(421)
FIELD: CICS-FCADDCT	LEN(4) TYPE(BU)	COL(425)
FIELD: CICS-FCDELCT	LEN(4) TYPE(BU)	COL(429)
FIELD: CICS-FCTOTCT	LEN(4) TYPE(BU)	COL(433)
FIELD: CICS-FCAMCT	LEN(4) TYPE(BU)	COL(437)
FIELD: CICS-TDGETCT	LEN(4) TYPE(BU)	COL(441)
FIELD: CICS-TDPUTCT	LEN(4) TYPE(BU)	COL(445)
FIELD: CICS-TDPURCT	LEN(4) TYPE(BU)	COL(449)
FIELD: CICS-TDTOTCT	LEN(4) TYPE(BU)	COL(453)
FIELD: CICS-TSGETCT	LEN(4) TYPE(BU)	COL(457)
FIELD: CICS-TSPUTACT	LEN(4) TYPE(BU)	COL(461)
FIELD: CICS-TSPUTMCT	LEN(4) TYPE(BU)	COL(465)
FIELD: CICS-TSTOTCT	LEN(4) TYPE(BU)	COL(469)
FIELD: CICS-BMSMAPCT	LEN(4) TYPE(BU)	COL(473)
FIELD: CICS-BMSINCT	LEN(4) TYPE(BU)	COL(477)
FIELD: CICS-BMSOUTCT	LEN(4) TYPE(BU)	COL(481)
FIELD: CICS-BMSTOTCT	LEN(4) TYPE(BU)	COL(485)
FIELD: CICS-PCLINKCT	LEN(4) TYPE(BU)	COL(489)
FIELD: CICS-PCXCTLCT	LEN(4) TYPE(BU)	COL(493)
FIELD: CICS-PCLOADCT	LEN(4) TYPE(BU)	COL(497)
FIELD: CICS-JNLWRTCT	LEN(4) TYPE(BU)	COL(501)
FIELD: CICS-LOGWRTCT	LEN(4) TYPE(BU)	COL(505)
FIELD: CICS-ICPUINCT	LEN(4) TYPE(BU)	COL(509)
FIELD: CICS-SPSYNCCT	LEN(4) TYPE(BU)	COL(513)
FIELD: CICS-SZALLOCT	LEN(4) TYPE(BU)	COL(517)
FIELD: CICS-SZRCVCT	LEN(4) TYPE(BU)	COL(521)
FIELD: CICS-SZENDCT	LEN(4) TYPE(BU)	COL(525)
FIELD: CICS-SZSTRCT	LEN(4) TYPE(BU)	COL(529)
FIELD: CICS-SZCHROUT	LEN(4) TYPE(BU)	COL(533)
FIELD: CICS-SZCHRIN	LEN(4) TYPE(BU)	COL(537)
FIELD: CICS-SZALLCTO	LEN(4) TYPE(BU)	COL(541)
FIELD: CICS-SZRCVTO	LEN(4) TYPE(BU)	COL(545)
FIELD: CICS-SZTOTCT	LEN(4) TYPE(BU)	COL(549)
FIELD: CICS-USRDISPT	LEN(4) TYPE(BU)	COL(553)
FIELD: CICS-USRDISPT-2	LEN(4) TYPE(BU)	COL(557)
FIELD: CICS-USRCPUT	LEN(4) TYPE(BU)	COL(561)
FIELD: CICS-USRCPUT-2	LEN(4) TYPE(BU)	COL(565)
FIELD: CICS-SUSPTIME	LEN(4) TYPE(BU)	COL(569)
FIELD: CICS-SUSPTIME-2	LEN(4) TYPE(BU)	COL(573)
FIELD: CICS-DISPWTT	LEN(4) TYPE(BU)	COL(577)
FIELD: CICS-DISPWTT-2	LEN(4) TYPE(BU)	COL(581)
FIELD: CICS-EXWTTIME	LEN(4) TYPE(BU)	COL(585)
FIELD: CICS-EXWTTIME-2	LEN(4) TYPE(BU)	COL(589)
FIELD: CICS-TCIOWTT	LEN(4) TYPE(BU)	COL(593)
FIELD: CICS-TCIOWTT-2	LEN(4) TYPE(BU)	COL(597)
FIELD: CICS-FCIOWTT	LEN(4) TYPE(BU)	COL(601)
FIELD: CICS-FCIOWTT-2	LEN(4) TYPE(BU)	COL(605)
FIELD: CICS-JCIOWTT	LEN(4) TYPE(BU)	COL(609)
FIELD: CICS-JCIOWTT-2	LEN(4) TYPE(BU)	COL(613)
FIELD: CICS-TSIOWTT	LEN(4) TYPE(BU)	COL(617)
FIELD: CICS-TSIOWTT-2	LEN(4) TYPE(BU)	COL(621)
FIELD: CICS-IRIOWTT	LEN(4) TYPE(BU)	COL(625)

FIELD: CICS-IRIOWTT-2	LEN(4) TYPE(BU)	COL(629)
FIELD: CICS-TDIOWTT	LEN(4) TYPE(BU)	COL(633)
FIELD: CICS-TDIOWTT-2	LEN(4) TYPE(BU)	COL(637)
FIELD: CICS-PCLOADTM	LEN(4) TYPE(BU)	COL(641)
FIELD: CICS-PCLOADTM-2	LEN(4) TYPE(BU)	COL(645)
FIELD: CICS-DSPDELAY	LEN(4) TYPE(BU)	COL(649)
FIELD: CICS-DSPDELAY-2	LEN(4) TYPE(BU)	COL(653)
FIELD: CICS-TCLDELAY	LEN(4) TYPE(BU)	COL(657)
FIELD: CICS-TCLDELAY-2	LEN(4) TYPE(BU)	COL(661)
FIELD: CICS-MXTDELAY	LEN(4) TYPE(BU)	COL(665)
FIELD: CICS-MXTDELAY-2	LEN(4) TYPE(BU)	COL(669)
FIELD: CICS-ENQDELAY	LEN(4) TYPE(BU)	COL(673)
FIELD: CICS-ENQDELAY-2	LEN(4) TYPE(BU)	COL(677)
FIELD: CICS-LU61WTT	LEN(4) TYPE(BU)	COL(681)
FIELD: CICS-LU61WTT-2	LEN(4) TYPE(BU)	COL(685)
FIELD: CICS-LU62WTT	LEN(4) TYPE(BU)	COL(689)
FIELD: CICS-LU62WTT-2	LEN(4) TYPE(BU)	COL(693)
FIELD: CICS-SZWAIT	LEN(4) TYPE(BU)	COL(697)
FIELD: CICS-SZWAIT-2	LEN(4) TYPE(BU)	COL(701)
FIELD: CICS-RMITIME	LEN(4) TYPE(BU)	COL(705)
FIELD: CICS-RMITIME-2	LEN(4) TYPE(BU)	COL(709)
FIELD: CICS-RMISUSP	LEN(4) TYPE(BU)	COL(713)
FIELD: CICS-RMISUSP-2	LEN(4) TYPE(BU)	COL(717)
FIELD: CICS-SYNCTIME	LEN(4) TYPE(BU)	COL(721)
FIELD: CICS-SYNCTIME-2	LEN(4) TYPE(BU)	COL(725)
FIELD: CICS-RLSWAIT	LEN(4) TYPE(BU)	COL(729)
FIELD: CICS-RLSWAIT-2	LEN(4) TYPE(BU)	COL(733)
FIELD: CICS-R5-V1-END	LEN(1)	COL(736)

Report Writer Name = CICSRC13

This is a Detail Transaction Record for CICS release 5.2 (Transaction Server 1.2). This record is created by CIMSCMF1/CIMSCMFP.

```

FILE: CICS-REL5_2-RECORD          DDNAME(CICSRECS)      LRECL(27994)
*
*   CIMS-CICS-REC-TYPE = 910
*
*   CIMS-CICS-RELEASE-ID = X'0520'
*
FIELD: CIMS-CICS-RECORD-LENGTH    LEN(2) TYPE(BU)      COL(1)
FIELD: CIMS-CICS-RECORD-FILLER    LEN(2) TYPE(BU)      COL(3)
FIELD: CIMS-CICS-REC-TYPE          LEN(2) TYPE(PACKED)   COL(5)
FIELD: CIMS-CICS-SORTID            LEN(1) FORMAT(HEX)    COL(7)
FIELD: CIMS-CICS-FILLER-1         LEN(1)                COL(8)
FIELD: CIMS-CICS-DELETE-CODE      LEN(1)                COL(9)
FIELD: CIMS-CICS-CONSTANT         LEN(1)                COL(10)
FIELD: CIMS-CICS-FILLER-2         LEN(1)                COL(11)
FIELD: CIMS-CICS-RELEASE-ID       LEN(2)                COL(12)
FIELD: CIMS-CICS-RELEASE-ID-HEX   LEN(2) FORMAT(HEX)    COL(12)
FIELD: CIMS-CICS-APPLID           LEN(8)                COL(14)
FIELD: CIMS-CICS-ACCT-CODE        LEN(32)               COL(22)
FIELD: CIMS-CICS-ACT1             LEN(8)                COL(22)
FIELD: CIMS-CICS-USER-ID          LEN(8)                COL(22)
FIELD: CIMS-CICS-ACT2             LEN(8)                COL(30)
FIELD: CIMS-CICS-TRAN-ID          LEN(4)                COL(30)
FIELD: CIMS-CICS-TERM-ID          LEN(4)                COL(34)
FIELD: CIMS-CICS-ACT3             LEN(8)                COL(38)
FIELD: CIMS-CICS-OPER-ID          LEN(3)                COL(38)
FIELD: CIMS-CICS-ACT4             LEN(8)                COL(46)
FIELD: CIMS-CICS-SYSTEM-ID        LEN(4)                COL(54)
FIELD: CIMS-CICS-SHIFT-CODE       LEN(1)                COL(58)
FIELD: CIMS-CICS-FILLER-3         LEN(2)                COL(59)
FIELD: CIMS-CICS-RECORD-COUNT     LEN(4) TYPE(BU)      COL(61)
FIELD: CIMS-CICS-RECORD-DATE      LEN(4) TYPE(P-CYYDDD) COL(65)
FIELD: CIMS-CICS-RECORD-DATE1     LEN(4) TYPE(PACKED)   COL(65)
FIELD: CIMS-CICS-RECORD-TIME      LEN(4) TYPE(B-SECS)   COL(69) DEC(2)
FIELD: CIMS-CICS-RECORD-TIME-ND   LEN(4) TYPE(BU)      COL(69)
FIELD: CICS-TRAN                  LEN(4)                COL(73)
FIELD: CICS-TERM                  LEN(4)                COL(77)
FIELD: CICS-USER                  LEN(8)                COL(81)
FIELD: CICS-TYPE                  LEN(4)                COL(89)
FIELD: CICS-START                 LEN(8) TYPE(STCKTIME) COL(93)
FIELD: CICS-START-DATE            LEN(8) TYPE(STCKDATE) COL(93)
FIELD: CICS-START-TIME            LEN(6) TYPE(BU)      COL(93)
FIELD: CICS-STOP                  LEN(8) TYPE(STCKTIME) COL(101)
FIELD: CICS-STOP-DATE            LEN(8) TYPE(STCKDATE) COL(101)
FIELD: CICS-STOP-TIME            LEN(6) TYPE(BU)      COL(101)
FIELD: CICS-TRANNUM               LEN(4) TYPE(PACKED)   COL(109)
FIELD: CICS-TRANPRI              LEN(4)                COL(113)
FIELD: CICS-TCLSNAME              LEN(8)                COL(117)
FIELD: CICS-LUNAME                LEN(8)                COL(125)
FIELD: CICS-PGMNAME              LEN(8)                COL(133)
FIELD: CICS-NETOUWPX             LEN(20)               COL(141)
FIELD: CICS-NETUOWSX             LEN(8)                COL(161)
FIELD: CICS-RSYSID               LEN(4)                COL(169)
FIELD: CICS-PERRECNT             LEN(4)                COL(173)

```

FIELD: CICS-RMOUWID	LEN(8)	COL(181)
FIELD: CICS-SRVCLSNM	LEN(8)	COL(189)
FIELD: CICS-RPTCLSNM	LEN(8)	COL(197)
FIELD: CICS-FCTYNAME	LEN(4)	COL(201)
FIELD: CICS-TRANFLAG	LEN(8)	COL(209)
FIELD: CICS-TERMINFO	LEN(4)	COL(213)
FIELD: CICS-TERMCNNM	LEN(4)	COL(217)
FIELD: CICS-BRDGTRAN	LEN(4)	COL(221)
FIELD: CICS-TASKFLAG	LEN(4)	COL(225)
FIELD: CICS-ABCODE0	LEN(4)	COL(229)
FIELD: CICS-ABCODEC	LEN(4)	COL(233)
FIELD: CICS-RTYPE	LEN(4)	COL(237)
FIELD: CICS-TCMSGIN1	LEN(4) TYPE(BU)	COL(241)
FIELD: CICS-TCCHRIN1	LEN(4) TYPE(BU)	COL(245)
FIELD: CICS-TCMSGOU1	LEN(4) TYPE(BU)	COL(249)
FIELD: CICS-TCCHROU1	LEN(4) TYPE(BU)	COL(253)
FIELD: CICS-TCMSGIN2	LEN(4) TYPE(BU)	COL(257)
FIELD: CICS-TCCHRIN2	LEN(4) TYPE(BU)	COL(261)
FIELD: CICS-TCMSGOU2	LEN(4) TYPE(BU)	COL(265)
FIELD: CICS-TCCHROU2	LEN(4) TYPE(BU)	COL(269)
FIELD: CICS-TCM62IN2	LEN(4) TYPE(BU)	COL(273)
FIELD: CICS-TCC62IN2	LEN(4) TYPE(BU)	COL(277)
FIELD: CICS-TCM62OU2	LEN(4) TYPE(BU)	COL(281)
FIELD: CICS-TCC62OU2	LEN(4) TYPE(BU)	COL(285)
FIELD: CICS-TCALLOCT	LEN(4) TYPE(BU)	COL(289)
FIELD: CICS-SCUGETCT	LEN(4) TYPE(BU)	COL(293)
FIELD: CICS-SCUGETCT-2	LEN(4) TYPE(BU)	COL(297)
FIELD: CICS-SCCGETCT	LEN(4) TYPE(BU)	COL(301)
FIELD: CICS-SCCGETCT-2	LEN(4) TYPE(BU)	COL(305)
FIELD: CICS-SCUSRHWM	LEN(4) TYPE(BU)	COL(309)
FIELD: CICS-SCUSRHWM-2	LEN(4) TYPE(BU)	COL(313)
FIELD: CICS-SC24CHWM	LEN(4) TYPE(BU)	COL(317)
FIELD: CICS-SC31CHWM	LEN(4) TYPE(BU)	COL(321)
FIELD: CICS-SCUSRSTG	LEN(8) TYPE(BU)	COL(325)
FIELD: CICS-SCUSRSTG-2	LEN(8) TYPE(BU)	COL(333)
FIELD: CICS-SC24COCC	LEN(8) TYPE(BU)	COL(341)
FIELD: CICS-SC31COCC	LEN(8) TYPE(BU)	COL(349)
FIELD: CICS-SC24SGCT	LEN(4) TYPE(BU)	COL(357)
FIELD: CICS-SC24GSHR	LEN(4) TYPE(BU)	COL(361)
FIELD: CICS-SC24FSHR	LEN(4) TYPE(BU)	COL(365)
FIELD: CICS-SC31SGCT	LEN(4) TYPE(BU)	COL(369)
FIELD: CICS-SC31GSHR	LEN(4) TYPE(BU)	COL(373)
FIELD: CICS-SC31FSHR	LEN(4) TYPE(BU)	COL(377)
FIELD: CICS-PCSTGHWM	LEN(4) TYPE(BU)	COL(381)
FIELD: CICS-PC31AHWM	LEN(4) TYPE(BU)	COL(385)
FIELD: CICS-PC24BHWM	LEN(4) TYPE(BU)	COL(389)
FIELD: CICS-PC31CHWM	LEN(4) TYPE(BU)	COL(393)
FIELD: CICS-PC24CHWM	LEN(4) TYPE(BU)	COL(397)
FIELD: CICS-PC31RHWM	LEN(4) TYPE(BU)	COL(401)
FIELD: CICS-PC24RHWM	LEN(4) TYPE(BU)	COL(405)
FIELD: CICS-PC31SHWM	LEN(4) TYPE(BU)	COL(409)
FIELD: CICS-PC24SHWM	LEN(4) TYPE(BU)	COL(413)
FIELD: CICS-FCGETCT	LEN(4) TYPE(BU)	COL(417)
FIELD: CICS-FCPUTCT	LEN(4) TYPE(BU)	COL(421)
FIELD: CICS-FCBRWCT	LEN(4) TYPE(BU)	COL(425)
FIELD: CICS-FCADDCT	LEN(4) TYPE(BU)	COL(429)
FIELD: CICS-FCDELCT	LEN(4) TYPE(BU)	COL(433)
FIELD: CICS-FCTOTCT	LEN(4) TYPE(BU)	COL(437)
FIELD: CICS-FCAMCT	LEN(4) TYPE(BU)	COL(441)

■ Record Descriptions

CIMS CICS Transaction Records

FIELD: CICS-TDGETCT	LEN(4) TYPE(BU)	COL(445)
FIELD: CICS-TDPUTCT	LEN(4) TYPE(BU)	COL(449)
FIELD: CICS-TDPURCT	LEN(4) TYPE(BU)	COL(453)
FIELD: CICS-TDTOTCT	LEN(4) TYPE(BU)	COL(457)
FIELD: CICS-TSGETCT	LEN(4) TYPE(BU)	COL(461)
FIELD: CICS-TSPUTACT	LEN(4) TYPE(BU)	COL(465)
FIELD: CICS-TSPUTMCT	LEN(4) TYPE(BU)	COL(469)
FIELD: CICS-TSTOTCT	LEN(4) TYPE(BU)	COL(473)
FIELD: CICS-BMSMAPCT	LEN(4) TYPE(BU)	COL(477)
FIELD: CICS-BMSINCT	LEN(4) TYPE(BU)	COL(481)
FIELD: CICS-BMSOUTCT	LEN(4) TYPE(BU)	COL(485)
FIELD: CICS-BMSTOTCT	LEN(4) TYPE(BU)	COL(489)
FIELD: CICS-PCLINKCT	LEN(4) TYPE(BU)	COL(493)
FIELD: CICS-PCXCTLCT	LEN(4) TYPE(BU)	COL(497)
FIELD: CICS-PCLOADCT	LEN(4) TYPE(BU)	COL(501)
FIELD: CICS-PCLURMCT	LEN(4) TYPE(BU)	COL(505)
FIELD: CICS-JNLWRTCT	LEN(4) TYPE(BU)	COL(509)
FIELD: CICS-LOGWRTCT	LEN(4) TYPE(BU)	COL(513)
FIELD: CICS-ICPUINCT	LEN(4) TYPE(BU)	COL(517)
FIELD: CICS-ICTOTCT	LEN(4) TYPE(BU)	COL(521)
FIELD: CICS-SPSYNCCT	LEN(4) TYPE(BU)	COL(525)
FIELD: CICS-SZALLOCT	LEN(4) TYPE(BU)	COL(529)
FIELD: CICS-SZRCVCT	LEN(4) TYPE(BU)	COL(533)
FIELD: CICS-SZENDCT	LEN(4) TYPE(BU)	COL(537)
FIELD: CICS-SZSTRCT	LEN(4) TYPE(BU)	COL(541)
FIELD: CICS-SZCHROUT	LEN(4) TYPE(BU)	COL(545)
FIELD: CICS-SZCHRIN	LEN(4) TYPE(BU)	COL(549)
FIELD: CICS-SZALLCTO	LEN(4) TYPE(BU)	COL(553)
FIELD: CICS-SZRCVTO	LEN(4) TYPE(BU)	COL(557)
FIELD: CICS-SZTOTCT	LEN(4) TYPE(BU)	COL(561)
FIELD: CICS-USRDISPT	LEN(4) TYPE(BU)	COL(565)
FIELD: CICS-USRDISPT-2	LEN(4) TYPE(BU)	COL(569)
FIELD: CICS-USRCPUT	LEN(4) TYPE(BU)	COL(573)
FIELD: CICS-USRCPUT-2	LEN(4) TYPE(BU)	COL(577)
FIELD: CICS-SUSPTIME	LEN(4) TYPE(BU)	COL(581)
FIELD: CICS-SUSPTIME-2	LEN(4) TYPE(BU)	COL(585)
FIELD: CICS-DISPWTT	LEN(4) TYPE(BU)	COL(589)
FIELD: CICS-DISPWTT-2	LEN(4) TYPE(BU)	COL(593)
FIELD: CICS-EXWTTIME	LEN(4) TYPE(BU)	COL(597)
FIELD: CICS-EXWTTIME-2	LEN(4) TYPE(BU)	COL(601)
FIELD: CICS-TCIOWTT	LEN(4) TYPE(BU)	COL(605)
FIELD: CICS-TCIOWTT-2	LEN(4) TYPE(BU)	COL(609)
FIELD: CICS-FCIOWTT	LEN(4) TYPE(BU)	COL(613)
FIELD: CICS-FCIOWTT-2	LEN(4) TYPE(BU)	COL(617)
FIELD: CICS-JCIOWTT	LEN(4) TYPE(BU)	COL(621)
FIELD: CICS-JCIOWTT-2	LEN(4) TYPE(BU)	COL(625)
FIELD: CICS-TSIOWTT	LEN(4) TYPE(BU)	COL(629)
FIELD: CICS-TSIOWTT-2	LEN(4) TYPE(BU)	COL(633)
FIELD: CICS-IRIOWTT	LEN(4) TYPE(BU)	COL(637)
FIELD: CICS-IRIOWTT-2	LEN(4) TYPE(BU)	COL(641)
FIELD: CICS-TDIOWTT	LEN(4) TYPE(BU)	COL(645)
FIELD: CICS-TDIOWTT-2	LEN(4) TYPE(BU)	COL(649)
FIELD: CICS-PCLOADTM	LEN(4) TYPE(BU)	COL(653)
FIELD: CICS-PCLOADTM-2	LEN(4) TYPE(BU)	COL(657)
FIELD: CICS-DSPDELAY	LEN(4) TYPE(BU)	COL(661)
FIELD: CICS-DSPDELAY-2	LEN(4) TYPE(BU)	COL(665)
FIELD: CICS-TCLDELAY	LEN(4) TYPE(BU)	COL(669)
FIELD: CICS-TCLDELAY-2	LEN(4) TYPE(BU)	COL(673)
FIELD: CICS-MXTDELAY	LEN(4) TYPE(BU)	COL(677)

FIELD: CICS-MXTDELAY-2	LEN(4) TYPE(BU)	COL(681)
FIELD: CICS-ENQDELAY	LEN(4) TYPE(BU)	COL(685)
FIELD: CICS-ENQDELAY-2	LEN(4) TYPE(BU)	COL(689)
FIELD: CICS-LU61WTT	LEN(4) TYPE(BU)	COL(693)
FIELD: CICS-LU61WTT-2	LEN(4) TYPE(BU)	COL(697)
FIELD: CICS-LU62WTT	LEN(4) TYPE(BU)	COL(701)
FIELD: CICS-LU62WTT-2	LEN(4) TYPE(BU)	COL(705)
FIELD: CICS-SZWAIT	LEN(4) TYPE(BU)	COL(709)
FIELD: CICS-SZWAIT-2	LEN(4) TYPE(BU)	COL(713)
FIELD: CICS-RMITIME	LEN(4) TYPE(BU)	COL(717)
FIELD: CICS-RMITIME-2	LEN(4) TYPE(BU)	COL(721)
FIELD: CICS-RMISUSP	LEN(4) TYPE(BU)	COL(725)
FIELD: CICS-RMISISP-2	LEN(4) TYPE(BU)	COL(729)
FIELD: CICS-SYNCTIME	LEN(4) TYPE(BU)	COL(733)
FIELD: CICS-SYNCTIME-2	LEN(4) TYPE(BU)	COL(737)
FIELD: CICS-RLSWAIT	LEN(4) TYPE(BU)	COL(741)
FIELD: CICS-RLSWAIT-2	LEN(4) TYPE(BU)	COL(745)
FIELD: CICS-RLSCLPUT	LEN(4) TYPE(BU)	COL(749)
FIELD: CICS-RLSCLPUT-2	LEN(4) TYPE(BU)	COL(753)
FIELD: CICS-LMDELAY	LEN(4) TYPE(BU)	COL(757)
FIELD: CICS-LMDELAY-2	LEN(4) TYPE(BU)	COL(761)
FIELD: CICS-WTEXWAIT	LEN(4) TYPE(BU)	COL(765)
FIELD: CICS-WTEXWAIT-2	LEN(4) TYPE(BU)	COL(769)
FIELD: CICS-WTCEWAIT	LEN(4) TYPE(BU)	COL(773)
FIELD: CICS-WTCEWAIT-2	LEN(4) TYPE(BU)	COL(777)
FIELD: CICS-ICDELAY	LEN(4) TYPE(BU)	COL(781)
FIELD: CICS-ICDELAY-2	LEN(4) TYPE(BU)	COL(785)
FIELD: CICS-GVUPWAIT	LEN(4) TYPE(BU)	COL(789)
FIELD: CICS-GVUPWAIT-2	LEN(4) TYPE(BU)	COL(793)
FIELD: CICS-TSSWAIT	LEN(4) TYPE(BU)	COL(797)
FIELD: CICS-TSSWAIT-2	LEN(4) TYPE(BU)	COL(801)

Report Writer Name = CICSRC14

This is a Detail Transaction Record for CICS release 5.3 (Transaction Server 1.3). This record is created by CIMSCMF1/CIMSCMFP.

```

FILE: CICS-REL5_3-RECORD          DDNAME(CICSRECS)      LRECL(27994)
*
*   CIMS-CICS-REC-TYPE = 910
*
*   CIMS-CICS-RELEASE-ID = X'0530'
*
FIELD: CIMS-CICS-RECORD-LENGTH    LEN(2) TYPE(BU)      COL(1)
FIELD: CIMS-CICS-RECORD-FILLER    LEN(2) TYPE(BU)      COL(3)
FIELD: CIMS-CICS-REC-TYPE          LEN(2) TYPE(PACKED)   COL(5)
FIELD: CIMS-CICS-SORTID            LEN(1) FORMAT(HEX)    COL(7)
FIELD: CIMS-CICS-FILLER-1          LEN(1)                COL(8)
FIELD: CIMS-CICS-DELETE-CODE       LEN(1)                COL(9)
FIELD: CIMS-CICS-CONSTANT          LEN(1)                COL(10)
FIELD: CIMS-CICS-FILLER-2          LEN(1)                COL(11)
FIELD: CIMS-CICS-RELEASE-ID        LEN(2)                COL(12)
FIELD: CIMS-CICS-RELEASE-ID-HEX    LEN(2) FORMAT(HEX)    COL(12)
FIELD: CIMS-CICS-APPLID            LEN(8)                COL(14)
FIELD: CIMS-CICS-ACCT-CODE         LEN(32)               COL(22)
FIELD: CIMS-CICS-ACT1              LEN(8)                COL(22)
FIELD: CIMS-CICS-USER-ID           LEN(8)                COL(22)
FIELD: CIMS-CICS-ACT2              LEN(8)                COL(30)
FIELD: CIMS-CICS-TRAN-ID           LEN(4)                COL(30)
FIELD: CIMS-CICS-TERM-ID           LEN(4)                COL(34)
FIELD: CIMS-CICS-ACT3              LEN(8)                COL(38)
FIELD: CIMS-CICS-OPER-ID           LEN(3)                COL(38)
FIELD: CIMS-CICS-ACT4              LEN(8)                COL(46)
FIELD: CIMS-CICS-SYSTEM-ID         LEN(4)                COL(54)
FIELD: CIMS-CICS-SHIFT-CODE        LEN(1)                COL(58)
FIELD: CIMS-CICS-FILLER-3          LEN(2)                COL(59)
FIELD: CIMS-CICS-RECORD-COUNT      LEN(4) TYPE(BU)      COL(61)
FIELD: CIMS-CICS-RECORD-DATE       LEN(4) TYPE(P-CYYDDD) COL(65)
FIELD: CIMS-CICS-RECORD-DATE1      LEN(4) TYPE(PACKED)   COL(65)
FIELD: CIMS-CICS-RECORD-TIME       LEN(4) TYPE(B-SECS)   COL(69) DEC(2)
FIELD: CIMS-CICS-RECORD-TIME-ND    LEN(4) TYPE(BU)      COL(69)
FIELD: CICS-TRAN                   LEN(4)                COL(73)
FIELD: CICS-TERM                   LEN(4)                COL(77)
FIELD: CICS-USER                    LEN(8)                COL(81)
FIELD: CICS-TYPE                    LEN(4)                COL(89)
FIELD: CICS-START                   LEN(8) TYPE(STCKTIME) COL(93)
FIELD: CICS-START-DATE              LEN(8) TYPE(STCKDATE) COL(93)
FIELD: CICS-START-TIME              LEN(6) TYPE(BU)      COL(93)
FIELD: CICS-STOP                    LEN(8) TYPE(STCKTIME) COL(101)
FIELD: CICS-STOP-DATE               LEN(8) TYPE(STCKDATE) COL(101)
FIELD: CICS-STOP-TIME               LEN(6) TYPE(BU)      COL(101)
FIELD: CICS-TRANNUM                 LEN(4) TYPE(PACKED)   COL(109)
FIELD: CICS-TRANPRI                 LEN(4)                COL(113)
FIELD: CICS-TCLSNAME                LEN(8)                COL(117)
FIELD: CICS-LUNAME                  LEN(8)                COL(125)
FIELD: CICS-PGMNAME                 LEN(8)                COL(133)
FIELD: CICS-NETOUWPX                LEN(20)               COL(141)
FIELD: CICS-NETUOWSX                LEN(8)                COL(161)
FIELD: CICS-RSYSID                  LEN(4)                COL(169)
FIELD: CICS-PERRECNT                LEN(4)                COL(173)

```


FIELD: CICS-RMOUWID	LEN(8)	COL(177)
FIELD: CICS-SRVCLSNM	LEN(8)	COL(185)
FIELD: CICS-RPTCLSNM	LEN(8)	COL(193)
FIELD: CICS-FCTYNAME	LEN(4)	COL(201)
FIELD: CICS-TRANFLAG	LEN(8)	COL(209)
FIELD: CICS-TERMINFO	LEN(4)	COL(213)
FIELD: CICS-TERMCNNM	LEN(4)	COL(217)
FIELD: CICS-BRDGTRAN	LEN(4)	COL(221)
FIELD: CICS-RRMSURID	LEN(16)	COL(225)
FIELD: CICS-PRCSNAME	LEN(36)	COL(241)
FIELD: CICS-PRCSTYPE	LEN(8)	COL(277)
FIELD: CICS-PRCSID	LEN(52)	COL(285)
FIELD: CICS-ACTVTYID	LEN(52)	COL(337)
FIELD: CICS-ACTVTYNM	LEN(16)	COL(389)
FIELD: CICS-CLIPADDR	LEN(16)	COL(405)
FIELD: CICS-TRNGRPID	LEN(28)	COL(421)
FIELD: CICS-TASKFLAG	LEN(4)	COL(449)
FIELD: CICS-ABCODEO	LEN(4)	COL(453)
FIELD: CICS-ABCODEC	LEN(4)	COL(457)
FIELD: CICS-RTYPE	LEN(4)	COL(461)
FIELD: CICS-TCMSGIN1	LEN(4) TYPE(BU)	COL(465)
FIELD: CICS-TCCHRIN1	LEN(4) TYPE(BU)	COL(469)
FIELD: CICS-TCMSGOU1	LEN(4) TYPE(BU)	COL(473)
FIELD: CICS-TCCHROU1	LEN(4) TYPE(BU)	COL(477)
FIELD: CICS-TCMSGIN2	LEN(4) TYPE(BU)	COL(481)
FIELD: CICS-TCCHRIN2	LEN(4) TYPE(BU)	COL(485)
FIELD: CICS-TCMSGOU2	LEN(4) TYPE(BU)	COL(489)
FIELD: CICS-TCCHROU2	LEN(4) TYPE(BU)	COL(493)
FIELD: CICS-TCM62IN2	LEN(4) TYPE(BU)	COL(497)
FIELD: CICS-TCC62IN2	LEN(4) TYPE(BU)	COL(501)
FIELD: CICS-TCM62OU2	LEN(4) TYPE(BU)	COL(505)
FIELD: CICS-TCC62OU2	LEN(4) TYPE(BU)	COL(509)
FIELD: CICS-TCALLOCT	LEN(4) TYPE(BU)	COL(513)
FIELD: CICS-SCUGETCT	LEN(4) TYPE(BU)	COL(517)
FIELD: CICS-SCUGETCT-2	LEN(4) TYPE(BU)	COL(521)
FIELD: CICS-SCCGETCT	LEN(4) TYPE(BU)	COL(525)
FIELD: CICS-SCCGETCT-2	LEN(4) TYPE(BU)	COL(529)
FIELD: CICS-SCUSRHWM	LEN(4) TYPE(BU)	COL(533)
FIELD: CICS-SCUSRHWM-2	LEN(4) TYPE(BU)	COL(537)
FIELD: CICS-SC24CHWM	LEN(4) TYPE(BU)	COL(541)
FIELD: CICS-SC31CHWM	LEN(4) TYPE(BU)	COL(545)
FIELD: CICS-SCUSRSTG	LEN(8) TYPE(BU)	COL(549)
FIELD: CICS-SCUSRSTG-2	LEN(8) TYPE(BU)	COL(557)
FIELD: CICS-SC24COCC	LEN(8) TYPE(BU)	COL(565)
FIELD: CICS-SC31COCC	LEN(8) TYPE(BU)	COL(573)
FIELD: CICS-SC24SGCT	LEN(4) TYPE(BU)	COL(581)
FIELD: CICS-SC24GSHR	LEN(4) TYPE(BU)	COL(585)
FIELD: CICS-SC24FSHR	LEN(4) TYPE(BU)	COL(589)
FIELD: CICS-SC31SGCT	LEN(4) TYPE(BU)	COL(593)
FIELD: CICS-SC31GSHR	LEN(4) TYPE(BU)	COL(597)
FIELD: CICS-SC31FSHR	LEN(4) TYPE(BU)	COL(601)
FIELD: CICS-PCSTGHWM	LEN(4) TYPE(BU)	COL(605)
FIELD: CICS-PC31AHWM	LEN(4) TYPE(BU)	COL(609)
FIELD: CICS-PC24BHWM	LEN(4) TYPE(BU)	COL(613)
FIELD: CICS-PC31CHWM	LEN(4) TYPE(BU)	COL(617)
FIELD: CICS-PC24CHWM	LEN(4) TYPE(BU)	COL(621)
FIELD: CICS-PC31RHWM	LEN(4) TYPE(BU)	COL(625)
FIELD: CICS-PC24RHWM	LEN(4) TYPE(BU)	COL(629)
FIELD: CICS-PC31SHWM	LEN(4) TYPE(BU)	COL(633)

■ Record Descriptions

CIMS CICS Transaction Records

FIELD: CICS-PC24SHWM	LEN(4) TYPE(BU)	COL(637)
FIELD: CICS-FCGETCT	LEN(4) TYPE(BU)	COL(641)
FIELD: CICS-FCPUTCT	LEN(4) TYPE(BU)	COL(645)
FIELD: CICS-FCBRWCT	LEN(4) TYPE(BU)	COL(649)
FIELD: CICS-FCADDCT	LEN(4) TYPE(BU)	COL(653)
FIELD: CICS-FCDELCT	LEN(4) TYPE(BU)	COL(657)
FIELD: CICS-FCTOTCT	LEN(4) TYPE(BU)	COL(661)
FIELD: CICS-FCAMCT	LEN(4) TYPE(BU)	COL(665)
FIELD: CICS-TDGETCT	LEN(4) TYPE(BU)	COL(669)
FIELD: CICS-TDPUTCT	LEN(4) TYPE(BU)	COL(673)
FIELD: CICS-TDPURCT	LEN(4) TYPE(BU)	COL(677)
FIELD: CICS-TDTOTCT	LEN(4) TYPE(BU)	COL(681)
FIELD: CICS-TSGETCT	LEN(4) TYPE(BU)	COL(685)
FIELD: CICS-TSPUACT	LEN(4) TYPE(BU)	COL(689)
FIELD: CICS-TSPUTMCT	LEN(4) TYPE(BU)	COL(693)
FIELD: CICS-TSTOTCT	LEN(4) TYPE(BU)	COL(697)
FIELD: CICS-BMSMAPCT	LEN(4) TYPE(BU)	COL(701)
FIELD: CICS-BMSINCT	LEN(4) TYPE(BU)	COL(705)
FIELD: CICS-BMSOUTCT	LEN(4) TYPE(BU)	COL(709)
FIELD: CICS-BMSTOTCT	LEN(4) TYPE(BU)	COL(713)
FIELD: CICS-PCLINKCT	LEN(4) TYPE(BU)	COL(717)
FIELD: CICS-PCXCTLCT	LEN(4) TYPE(BU)	COL(721)
FIELD: CICS-PCLOADCT	LEN(4) TYPE(BU)	COL(725)
FIELD: CICS-PCLURMCT	LEN(4) TYPE(BU)	COL(729)
FIELD: CICS-PCDPLCT	LEN(4) TYPE(BU)	COL(733)
FIELD: CICS-JNLWRTCT	LEN(4) TYPE(BU)	COL(737)
FIELD: CICS-LOGWRTCT	LEN(4) TYPE(BU)	COL(741)
FIELD: CICS-ICPUINCT	LEN(4) TYPE(BU)	COL(745)
FIELD: CICS-ICTOTCT	LEN(4) TYPE(BU)	COL(749)
FIELD: CICS-SPSYNCT	LEN(4) TYPE(BU)	COL(753)
FIELD: CICS-CFCAPICT	LEN(4) TYPE(BU)	COL(757)
FIELD: CICS-SZALLOCT	LEN(4) TYPE(BU)	COL(761)
FIELD: CICS-SZRCVCT	LEN(4) TYPE(BU)	COL(765)
FIELD: CICS-SZENDCT	LEN(4) TYPE(BU)	COL(769)
FIELD: CICS-SZSTRCT	LEN(4) TYPE(BU)	COL(773)
FIELD: CICS-SZCHROUT	LEN(4) TYPE(BU)	COL(777)
FIELD: CICS-SZCHRIN	LEN(4) TYPE(BU)	COL(781)
FIELD: CICS-SZALLCTO	LEN(4) TYPE(BU)	COL(785)
FIELD: CICS-SZRCVTO	LEN(4) TYPE(BU)	COL(789)
FIELD: CICS-SZTOTCT	LEN(4) TYPE(BU)	COL(793)
FIELD: CICS-BARSYNCT	LEN(4) TYPE(BU)	COL(797)
FIELD: CICS-BARASYCT	LEN(4) TYPE(BU)	COL(801)
FIELD: CICS-BAKLPACT	LEN(4) TYPE(BU)	COL(805)
FIELD: CICS-BADPROCT	LEN(4) TYPE(BU)	COL(809)
FIELD: CICS-BADACTCT	LEN(4) TYPE(BU)	COL(813)
FIELD: CICS-BARSPACT	LEN(4) TYPE(BU)	COL(817)
FIELD: CICS-BASUPACT	LEN(4) TYPE(BU)	COL(821)
FIELD: CICS-BARMPACT	LEN(4) TYPE(BU)	COL(825)
FIELD: CICS-BADCPACT	LEN(4) TYPE(BU)	COL(829)
FIELD: CICS-BAACQPCT	LEN(4) TYPE(BU)	COL(833)
FIELD: CICS-BATOTPCT	LEN(4) TYPE(BU)	COL(837)
FIELD: CICS-BAPRDCCT	LEN(4) TYPE(BU)	COL(841)
FIELD: CICS-BAACDCCT	LEN(4) TYPE(BU)	COL(845)
FIELD: CICS-BATOTCCT	LEN(4) TYPE(BU)	COL(849)
FIELD: CICS-BARATECT	LEN(4) TYPE(BU)	COL(853)
FIELD: CICS-BADFIECT	LEN(4) TYPE(BU)	COL(857)
FIELD: CICS-BATIAECT	LEN(4) TYPE(BU)	COL(861)
FIELD: CICS-BATOTECT	LEN(4) TYPE(BU)	COL(865)
FIELD: CICS-WBRVCCT	LEN(4) TYPE(BU)	COL(869)

FIELD: CICS-WBCHRIN	LEN(4) TYPE(BU)	COL(873)
FIELD: CICS-WBSENDCT	LEN(4) TYPE(BU)	COL(877)
FIELD: CICS-WBCHROUT	LEN(4) TYPE(BU)	COL(881)
FIELD: CICS-WBTOTCT	LEN(4) TYPE(BU)	COL(885)
FIELD: CICS-WBREPRCT	LEN(4) TYPE(BU)	COL(889)
FIELD: CICS-WBREPWCT	LEN(4) TYPE(BU)	COL(893)
FIELD: CICS-DHCRECT	LEN(4) TYPE(BU)	COL(897)
FIELD: CICS-DHINSCT	LEN(4) TYPE(BU)	COL(901)
FIELD: CICS-DHSETCT	LEN(4) TYPE(BU)	COL(905)
FIELD: CICS-DHRETCT	LEN(4) TYPE(BU)	COL(909)
FIELD: CICS-DHTOTCT	LEN(4) TYPE(BU)	COL(913)
FIELD: CICS-DHTOTDCL	LEN(4) TYPE(BU)	COL(917)
FIELD: CICS-SOBYENCT	LEN(4) TYPE(BU)	COL(921)
FIELD: CICS-SOBYDECT	LEN(4) TYPE(BU)	COL(925)
FIELD: CICS-IMSREQCT	LEN(4) TYPE(BU)	COL(929)
FIELD: CICS-DB2REQCT	LEN(4) TYPE(BU)	COL(933)
FIELD: CICS-CHMODECT	LEN(4) TYPE(BU)	COL(937)
FIELD: CICS-TCBATTCT	LEN(4) TYPE(BU)	COL(941)
FIELD: CICS-USRDISPT	LEN(4) TYPE(BU)	COL(945)
FIELD: CICS-USRDISPT-2	LEN(4) TYPE(BU)	COL(949)
FIELD: CICS-USRCPUT	LEN(4) TYPE(BU)	COL(953)
FIELD: CICS-USRCPUT-2	LEN(4) TYPE(BU)	COL(957)
FIELD: CICS-SUSPTIME	LEN(4) TYPE(BU)	COL(961)
FIELD: CICS-SUSPTIME-2	LEN(4) TYPE(BU)	COL(965)
FIELD: CICS-DISPWTT	LEN(4) TYPE(BU)	COL(969)
FIELD: CICS-DISPWTT-2	LEN(4) TYPE(BU)	COL(973)
FIELD: CICS-QRDISPT	LEN(4) TYPE(BU)	COL(977)
FIELD: CICS-QRDISPT-2	LEN(4) TYPE(BU)	COL(981)
FIELD: CICS-QRCPUT	LEN(4) TYPE(BU)	COL(985)
FIELD: CICS-QRCPUT-2	LEN(4) TYPE(BU)	COL(989)
FIELD: CICS-MSDISPT	LEN(4) TYPE(BU)	COL(993)
FIELD: CICS-MSDISPT-2	LEN(4) TYPE(BU)	COL(997)
FIELD: CICS-MSCPUT	LEN(4) TYPE(BU)	COL(1001)
FIELD: CICS-MSCPUT-2	LEN(4) TYPE(BU)	COL(1005)
FIELD: CICS-L8CPUT	LEN(4) TYPE(BU)	COL(1009)
FIELD: CICS-L8CPUT-2	LEN(4) TYPE(BU)	COL(1013)
FIELD: CICS-J8CPUT	LEN(4) TYPE(BU)	COL(1017)
FIELD: CICS-J8CPUT-2	LEN(4) TYPE(BU)	COL(1021)
FIELD: CICS-S8CPUT	LEN(4) TYPE(BU)	COL(1025)
FIELD: CICS-S8CPUT-2	LEN(4) TYPE(BU)	COL(1029)
FIELD: CICS-QRMODDLY	LEN(4) TYPE(BU)	COL(1033)
FIELD: CICS-QRMODDLY-2	LEN(4) TYPE(BU)	COL(1037)
FIELD: CICS-MAXOTDLY	LEN(4) TYPE(BU)	COL(1041)
FIELD: CICS-MAXOTDLY-2	LEN(4) TYPE(BU)	COL(1045)
FIELD: CICS-EXWTTIME	LEN(4) TYPE(BU)	COL(1049)
FIELD: CICS-EXWTTIME-2	LEN(4) TYPE(BU)	COL(1053)
FIELD: CICS-TCIOWTT	LEN(4) TYPE(BU)	COL(1057)
FIELD: CICS-TCIOWTT-2	LEN(4) TYPE(BU)	COL(1061)
FIELD: CICS-FCIOWTT	LEN(4) TYPE(BU)	COL(1065)
FIELD: CICS-FCIOWTT-2	LEN(4) TYPE(BU)	COL(1069)
FIELD: CICS-JCIOWTT	LEN(4) TYPE(BU)	COL(1073)
FIELD: CICS-JCIOWTT-2	LEN(4) TYPE(BU)	COL(1077)
FIELD: CICS-TSIOWTT	LEN(4) TYPE(BU)	COL(1081)
FIELD: CICS-TSIOWTT-2	LEN(4) TYPE(BU)	COL(1085)
FIELD: CICS-IRIOWTT	LEN(4) TYPE(BU)	COL(1089)
FIELD: CICS-IRIOWTT-2	LEN(4) TYPE(BU)	COL(1093)
FIELD: CICS-TDIOWTT	LEN(4) TYPE(BU)	COL(1097)
FIELD: CICS-TDIOWTT-2	LEN(4) TYPE(BU)	COL(1101)
FIELD: CICS-PCLOADTM	LEN(4) TYPE(BU)	COL(1105)

■ Record Descriptions

CIMS CICS Transaction Records

FIELD: CICS-PCLOADTM-2	LEN(4) TYPE(BU)	COL(1109)
FIELD: CICS-DSPDELAY	LEN(4) TYPE(BU)	COL(1113)
FIELD: CICS-DSPDELAY-2	LEN(4) TYPE(BU)	COL(1117)
FIELD: CICS-TCLDELAY	LEN(4) TYPE(BU)	COL(1121)
FIELD: CICS-TCLDELAY-2	LEN(4) TYPE(BU)	COL(1125)
FIELD: CICS-MXTDELAY	LEN(4) TYPE(BU)	COL(1129)
FIELD: CICS-MXTDELAY-2	LEN(4) TYPE(BU)	COL(1133)
FIELD: CICS-ENQDELAY	LEN(4) TYPE(BU)	COL(1137)
FIELD: CICS-ENQDELAY-2	LEN(4) TYPE(BU)	COL(1141)
FIELD: CICS-GNQDELAY	LEN(4) TYPE(BU)	COL(1145)
FIELD: CICS-GNQDELAY-2	LEN(4) TYPE(BU)	COL(1149)
FIELD: CICS-LU61WTT	LEN(4) TYPE(BU)	COL(1153)
FIELD: CICS-LU61WTT-2	LEN(4) TYPE(BU)	COL(1157)
FIELD: CICS-LU62WTT	LEN(4) TYPE(BU)	COL(1161)
FIELD: CICS-LU62WTT-2	LEN(4) TYPE(BU)	COL(1165)
FIELD: CICS-SZWAIT	LEN(4) TYPE(BU)	COL(1169)
FIELD: CICS-SZWAIT-2	LEN(4) TYPE(BU)	COL(1173)
FIELD: CICS-RMITIME	LEN(4) TYPE(BU)	COL(1177)
FIELD: CICS-RMITIME-2	LEN(4) TYPE(BU)	COL(1181)
FIELD: CICS-RMISUSP	LEN(4) TYPE(BU)	COL(1185)
FIELD: CICS-RMISISP-2	LEN(4) TYPE(BU)	COL(1189)
FIELD: CICS-SYNCTIME	LEN(4) TYPE(BU)	COL(1193)
FIELD: CICS-SYNCTIME-2	LEN(4) TYPE(BU)	COL(1197)
FIELD: CICS-RLSWAIT	LEN(4) TYPE(BU)	COL(1201)
FIELD: CICS-RLSWAIT-2	LEN(4) TYPE(BU)	COL(1205)
FIELD: CICS-RLSCPUT	LEN(4) TYPE(BU)	COL(1209)
FIELD: CICS-RLSCPUT-2	LEN(4) TYPE(BU)	COL(1213)
FIELD: CICS-LMDELAY	LEN(4) TYPE(BU)	COL(1217)
FIELD: CICS-LMDELAY-2	LEN(4) TYPE(BU)	COL(1221)
FIELD: CICS-WTEXWAIT	LEN(4) TYPE(BU)	COL(1225)
FIELD: CICS-WTEXWAIT-2	LEN(4) TYPE(BU)	COL(1229)
FIELD: CICS-WTCEWAIT	LEN(4) TYPE(BU)	COL(1233)
FIELD: CICS-WTCEWAIT-2	LEN(4) TYPE(BU)	COL(1237)
FIELD: CICS-ICDELAY	LEN(4) TYPE(BU)	COL(1241)
FIELD: CICS-ICDELAY-2	LEN(4) TYPE(BU)	COL(1245)
FIELD: CICS-GVUPWAIT	LEN(4) TYPE(BU)	COL(1249)
FIELD: CICS-GVUPWAIT-2	LEN(4) TYPE(BU)	COL(1253)
FIELD: CICS-TSSHWAIT	LEN(4) TYPE(BU)	COL(1257)
FIELD: CICS-TSSHWAIT-2	LEN(4) TYPE(BU)	COL(1261)
FIELD: CICS-CFDTWAIT	LEN(4) TYPE(BU)	COL(1265)
FIELD: CICS-CFDTWAIT-2	LEN(4) TYPE(BU)	COL(1269)
FIELD: CICS-SRVSYWTT	LEN(4) TYPE(BU)	COL(1273)
FIELD: CICS-SRVSYWTT-2	LEN(4) TYPE(BU)	COL(1277)
FIELD: CICS-RRMSWAIT	LEN(4) TYPE(BU)	COL(1281)
FIELD: CICS-RRMSWAIT-2	LEN(4) TYPE(BU)	COL(1285)
FIELD: CICS-RUNTRWTT	LEN(4) TYPE(BU)	COL(1289)
FIELD: CICS-RUNTRWTT-2	LEN(4) TYPE(BU)	COL(1293)
FIELD: CICS-SYNCDLY	LEN(4) TYPE(BU)	COL(1297)
FIELD: CICS-SYNCDLY-2	LEN(4) TYPE(BU)	COL(1301)
FIELD: CICS-SOIEWTT	LEN(4) TYPE(BU)	COL(1305)
FIELD: CICS-SOIEWTT-2	LEN(4) TYPE(BU)	COL(1309)
FIELD: CICS-IMSWAIT	LEN(4) TYPE(BU)	COL(1313)
FIELD: CICS-IMSWAIT-2	LEN(4) TYPE(BU)	COL(1217)
FIELD: CICS-DB2RDYQW	LEN(4) TYPE(BU)	COL(1321)
FIELD: CICS-DB2RDYQW-2	LEN(4) TYPE(BU)	COL(1325)
FIELD: CICS-DB2CONWT	LEN(4) TYPE(BU)	COL(1329)
FIELD: CICS-DB2CONWT-2	LEN(4) TYPE(BU)	COL(1333)
FIELD: CICS-DB2WAIT	LEN(4) TYPE(BU)	COL(1337)
FIELD: CICS-DB2WAIT-2	LEN(4) TYPE(BU)	COL(1341)

FIELD: CICS-JVMTIME	LEN(4) TYPE(BU)	COL(1345)
FIELD: CICS-JVMTIME-2	LEN(4) TYPE(BU)	COL(1349)
FIELD: CICS-JVMSUSP	LEN(4) TYPE(BU)	COL(1353)
FIELD: CICS-JVMSUSP-2	LEN(4) TYPE(BU)	COL(1357)

CICS Transaction Account Record (OS/390 Only)

This is a variable length record created by CIMSCICS.

FILE:	CIMRC999-RECORD	DDNAME(CIMSACCT)	LRECL(6508)	
FIELD:	CIMRC999-FILLER-VAR	LEN(4)	COL(1)	
FIELD:	CIMRC999-REC-TYPE(999)	LEN(2) TYPE(PACKED)	COL(5)	
FIELD:	CIMRC999-SORTID	LEN(1)	COL(7)	
FIELD:	CIMRC999-RESERVED1	LEN(1)	COL(8)	
FIELD:	CIMRC999-DELETE-CHAR	LEN(1)	COL(9)	
FIELD:	CIMRC999-CONSTANT	LEN(1)	COL(10)	
FIELD:	CIMRC999-REC-NUMBER	LEN(3)	COL(11)	
FIELD:	CIMRC999-RESOURCE-CODE	LEN(8)	COL(14)	
FIELD:	CIMRC999-ACCT-CODE	LEN(32)	COL(22)	
FIELD:	CIMRC999-ACT1	LEN(8)	COL(22)	
FIELD:	CIMRC999-ACT2	LEN(8)	COL(30)	
FIELD:	CIMRC999-ACT3	LEN(8)	COL(38)	
FIELD:	CIMRC999-ACT4	LEN(8)	COL(46)	
FIELD:	CIMRC999-AUDIT-CNTL-DATA	LEN(8)	COL(54)	
FIELD:	CIMRC999-RESERVED3	LEN(4)	COL(62)	
FIELD:	CIMRC999-RATE-CODE	LEN(8)	COL(66)	
FIELD:	CIMRC999-RESERVED2	LEN(6)	COL(74)	
FIELD:	CIMRC999-EYE-CATCHER	LEN(4)	COL(80)	
FIELD:	CIMRC999-LOW-JULIAN-DATE	LEN(4) TYPE(P-YYYYDDD)	COL(84)	
FIELD:	CIMRC999-HIGH-JULIAN-DATE	LEN(4) TYPE(P-YYYYDDD)	COL(88)	
FIELD:	CIMRC999-LOW-GREG-DATE	LEN(5) TYPE(P-YYYYMMDD)	COL(92)	
FIELD:	CIMRC999-HIGH-GREG-DATE	LEN(5) TYPE(P-YYYYMMDD)	COL(97)	
FIELD:	CIMRC999-TRANS-SHIFT	LEN(1)	COL(102)	
FIELD:	CIMRC999-TRANS-FILL2	LEN(2)	COL(103)	
FIELD:	CIMRC999-RESOURCE-VALUE	LEN(8) TYPE(PACKED)	COL(105)	DEC(6)
FIELD:	CIMRC999-RECORD-COUNT	LEN(4) TYPE(COMP)	COL(113)	
FIELD:	CIMRC999-TRANS-LOW-TIME	LEN(4) TYPE(PACKED)	COL(117)	DEC(2)
FIELD:	CIMRC999-TRANS-HIGH-TIME	LEN(4) TYPE(PACKED)	COL(121)	DEC(2)
FIELD:	CIMRC999-TRANS-FILL3	LEN(8)	COL(125)	
*				
*	FOLLOWING FIELD IS PRESENT WHEN 999 RECORD CREATED BY CIMSMULT			
*				
FIELD:	CIMRC999-TRANS-ORG-ACCT	LEN(32)	COL(133)	
FIELD:	CIMRC999-END-OF-RECORD	LEN(1)	COL(164)	

CIMS Server 791 Record

This record is created by CIMSCMF2 when the WRITE 791 control statement is specified.

```

FILE: CIMRC791-RECORD      DDNAME(CIMSACT2)  LRECL(6508)
*
*   CIMS DB2 ACCOUNTING RECORD 2, CIMS RELEASE 11.5.1
*   CIMS CICS ACCOUNTING RECORD 2, CIMS RELEASE 11.5.1
*   CIMS UNIV ACCOUNTING RECORD 2, CIMS RELEASE 11.5.1
*
* *****
* ===== HEADER =====
* *****
*
* START OF HEADER PORTION OF RECORD
FIELD: CIMRC791-CIMSRDW          LEN(4)          COL(1)
FIELD: CIMRC791-CIMSRCDT-REC-TYPE
                                LEN(2)  TYPE(PACKED)  COL(5)
FIELD: CIMRC791-CIMSSRT-SORT-ID  LEN(1)          COL(7)
FIELD: CIMRC791-CIMSSMF-SMF-ID   LEN(1)          COL(8)
FIELD: CIMRC791-CIMSDELDC-DELETE-CODE
                                LEN(1)          COL(9)
FIELD: CIMRC791-CIMSCNST-CONSTANT
                                LEN(1)          COL(10)
FIELD: CIMRC791-CIMSRCDN-RECORD-NUMBER
                                LEN(3)  TYPE(PACKED)  COL(11)
FIELD: CIMRC791-CIMSJOBN-JOB-NAME
                                LEN(8)          COL(14)
FIELD: CIMRC791-CIMSACTC-ACCT-CODE
                                LEN(32)         COL(22)
FIELD: CIMRC791-CIMSAC01-ACCT-CODE01
                                LEN(8)          COL(22)
FIELD: CIMRC791-CIMSAC02-ACCT-CODE02
                                LEN(8)          COL(30)
FIELD: CIMRC791-CIMSAC03-ACCT-CODE03
                                LEN(8)          COL(38)
FIELD: CIMRC791-CIMSAC04-ACCT-CODE04
                                LEN(8)          COL(46)
FIELD: CIMRC791-CIMSAC05-ACCT-CODE05
                                LEN(8)          COL(54)
FIELD: CIMRC791-CIMSAC06-ACCT-CODE06
                                LEN(8)          COL(62)
FIELD: CIMRC791-CIMSAC07-ACCT-CODE07
                                LEN(8)          COL(70)
FIELD: CIMRC791-CIMSAC08-ACCT-CODE08
                                LEN(8)          COL(78)
FIELD: CIMRC791-CIMSAC09-ACCT-CODE09
                                LEN(8)          COL(86)
FIELD: CIMRC791-CIMSAC10-ACCT-CODE10
                                LEN(8)          COL(94)
FIELD: CIMRC791-CIMSSYS-SYSTEM-ID
                                LEN(4)          COL(102)
FIELD: CIMRC791-CIMSSUBS-SUB-SYSTEM-ID
                                LEN(4)          COL(106)
FIELD: CIMRC791-CIMSSHFT-SHIFT-CODE
                                LEN(1)          COL(110)
  
```

Record Descriptions

CIMS Server 791 Record

```

FIELD: CIMRC791-CIMSDAYW-DAY-OF-WEEK
                                LEN(1)                COL(111)
FIELD: CIMRC791-CIMSRKEY-RECORD-KEY
                                LEN(10)               COL(112)
FIELD: CIMRC791-CIMSRCD-RECORD-ID
                                LEN(8)                COL(112)
FIELD: CIMRC791-CIMSRCDV-RECORD-VERSION
                                LEN(2)                COL(120)
FIELD: CIMRC791-CIMSORGD-ORIGINAL-KEY
                                LEN(8)                COL(122)
FIELD: CIMRC791-CIMSSDT-START-DATE
                                LEN(4) TYPE(PACKED)    COL(122)
FIELD: CIMRC791-CIMSSDT-START-DATE-P
                                LEN(4) TYPE(P-YYYYDDD) COL(122)
FIELD: CIMRC791-CIMSSTM-START-TIME
                                LEN(4) TYPE(B-SECS)    COL(126) DEC(2)
FIELD: CIMRC791-CIMSRSR5
                                LEN(5)                COL(130)

* *****
* ===== CICS =====
* *****
*
* START OF CICS RESOURCES
*
FIELD: CIMRC791-CICSTRNC-TRANS-CNT
                                LEN(4) TYPE(COMP)     COL(135)
FIELD: CIMRC791-CICSMMSGC-MSG-CNT
                                LEN(4) TYPE(COMP)     COL(139)
FIELD: CIMRC791-CICSMMSGI-MSG-IN
                                LEN(4) TYPE(COMP)     COL(143)
FIELD: CIMRC791-CICSMMSGO-MSG-OUT
                                LEN(4) TYPE(COMP)     COL(147)
FIELD: CIMRC791-CICSSIO-SIO
                                LEN(4) TYPE(COMP)     COL(151)
FIELD: CIMRC791-CICSTOTC-TOT-CNT
                                LEN(4) TYPE(COMP)     COL(155)
FIELD: CIMRC791-CICSPRESP-RESPONSE
                                LEN(4) TYPE(COMP)     COL(159)
FIELD: CIMRC791-CICSTIME-CPU-TIME
                                LEN(9) TYPE(PACKED)    COL(183) DEC(6)
FIELD: CIMRC791-CICSCONN-CONN-TIME
                                LEN(9) TYPE(PACKED)    COL(192) DEC(6)

*
* END OF CICS RESOURCES
*
* START OF CICS IDENTIFICATION SECTION
*
FIELD: CIMRC791-CICSIDNT
                                LEN(160)             COL(225)
FIELD: CIMRC791-CICSSSTM-START-TIME
                                LEN(4) TYPE(B-SECS)    COL(225) DEC(2)
FIELD: CIMRC791-CICSSDT-START-DATE
                                LEN(4) TYPE(PACKED)    COL(229)
FIELD: CIMRC791-CICSSDT-START-DATE-P
                                LEN(4) TYPE(P-YYYYDDD) COL(229)
FIELD: CIMRC791-CICSATTT-ATTACH-TIME
                                LEN(8) TYPE(STCKTIME)  COL(233)
FIELD: CIMRC791-CICSATTT-ATTACH-DATE
                                LEN(8) TYPE(STCKDATE)  COL(233)
FIELD: CIMRC791-CICSDETT-DETACH-TIME
                                LEN(8) TYPE(STCKTIME)  COL(241)
FIELD: CIMRC791-CICSDETT-DETACH-DATE
                                LEN(8) TYPE(STCKDATE)  COL(241)
FIELD: CIMRC791-CICSAPID-APPL-ID
                                LEN(8)                COL(249)
FIELD: CIMRC791-CICSUSER-USER-ID
                                LEN(8)                COL(257)
FIELD: CIMRC791-CICSTERM-TERM-ID
                                LEN(4)                COL(265)

```


FIELD: CIMRC791-CICSTRNS-TRANS-ID	LEN(4)	COL(269)
FIELD: CIMRC791-CICSOPER-OPER-ID	LEN(3)	COL(273)
FIELD: CIMRC791-CICSACCT-ACCOUNT-CODE	LEN(32)	COL(276)
FIELD: CIMRC791-CICSTCLN-TRANS-CLASS-NAME	LEN(8)	COL(308)
FIELD: CIMRC791-CICSLUN-LUNAME	LEN(8)	COL(316)
FIELD: CIMRC791-CICSNETN-NETWORK-NAME	LEN(20)	COL(324)
FIELD: CIMRC791-CICSUOWI-UNIT-WORK-ID	LEN(8)	COL(344)
FIELD: CIMRC791-CICSREMT-REMOTE-SYS-ID	LEN(4)	COL(352)
FIELD: CIMRC791-CICSMVS-MVS-SYS-ID	LEN(8)	COL(356)
FIELD: CIMRC791-CICSPGMN-PROGRAM-NAME	LEN(8)	COL(364)
FIELD: CIMRC791-CICSTRNT-TRANS-TYPE	LEN(1)	COL(372)
FIELD: CIMRC791-CICSUSFD-USER-FIELD	LEN(12)	COL(373)
*		
* END OF CICS IDENTIFICATION SECTION		
*		

■ **Record Descriptions**

CIMS Server 791 Record



Index

Numerics

- 791 records [3-4](#)
 - generating [3-2](#)
 - processing with 804 records [3-2](#)
 - record description [A-33](#) to [A-35](#)
 - reprocessing by CIMSCMF2 [3-2](#)
 - WRITE control statement [3-19](#)

A

- account code
 - conversion control statements
 - ACCOUNT CODE CONVERSION [3-8](#)
 - DEFAULT ACCOUNT CODE CONVERSION OFF [3-9](#)
 - DEFINE FIELD [3-10](#) to [3-11](#)
 - DEFINE MOVEFLD [3-11](#)
 - excluding, control statement for [4-5](#)
 - including, control statement for [4-6](#)
- Account Code Table
 - about [1-2](#), [3-20](#)
 - alternate [3-27](#)
 - processing information [3-29](#)
 - record format [3-28](#) to [3-29](#)
 - search control statement [3-17](#)
 - bypassing [3-20](#)
 - control statement [3-7](#)
 - examples [3-22](#) to [3-26](#)
 - matching information [3-22](#) to [3-26](#)
 - processing information [3-21](#)
 - record format [3-20](#)
 - sort order [3-26](#)

C

- CICS
 - billable items [4-11](#)
 - identification and offset tables, CMFPTABD [2-2](#)
 - monitor products supported [2-7](#)
 - rate codes [4-11](#)
 - changing [4-12](#)
 - transaction record descriptions *See* record descriptions
 - usage data, processing [2-2](#)
- CIMS Lab, contacting [viii](#)
- CIMS Server
 - 791 records
 - exception file [3-4](#)
 - generating [3-2](#)
 - processing with 804 records [3-2](#)
 - record description [A-33](#) to [A-35](#)
 - reprocessing by CIMSCMF2 [3-2](#)
 - WRITE control statement [3-19](#)
 - about [1-4](#)
- CIMSCICS
 - about [1-4](#), [4-2](#)
 - chargeback records, creating [4-2](#)
 - control statements [4-3](#) to [4-10](#)
 - ACCOUNT RECORDS [4-4](#)
 - ADJUST CPU TIME/ADJUST TRANSACTION TIME [4-4](#)
 - DATE SELECTION [4-5](#)
 - EXCLUDE [4-5](#)
 - HD(x) [4-5](#)
 - INCLUDE [4-6](#)
 - LINES PER REPORT PAGE [4-6](#)
 - NON-PRIME DAY yyyyddd [4-6](#)
 - NON-PRIME DAY yyymmdd [4-6](#)

- NORMALIZE CPU TIME/NORMALIZE TRANSACTION TIME 4-7 to 4-8
- PRIME SHIFT 4-8
- PRINT EACH TRANSACTION 4-8
- PRINT NO REPORTS 4-8
- PRINT SUMMARIZED TRANSACTION 4-8
- REPORT TOTALS WHEN 4-9
- TRANSACTION DATE 4-10
- USE TOTAL FILE CONTROL 4-10
- WEEKENDS ARE NON-PRIME 4-10
- flow chart 4-16
- input 4-12
- JCL sample 4-13
- output 4-12
- report sample 4-14
- CIMSCMF1
 - about 1-3, 2-2
 - CICS dictionary supported 2-2, 2-6
 - control statements 2-7 to 2-9
 - CICS TRANSACTIONS 2-8
 - HDx 2-8
 - INPUT DATASET IS UNDEFINED 2-8
 - INPUT DATASET IS VARIABLE 2-8
 - RETAIN ACCOUNTING CLASS RECORDS 2-8
 - flow chart 2-12
 - input 2-2
 - JCL sample 2-10
 - output 2-3
 - processing requirements 2-5 to 2-7
 - reports 2-5
- CIMSCMF2
 - 791 records
 - generating 3-2
 - processing with 804 records 3-2
 - record description A-33 to A-35
 - reprocessing 3-2
 - WRITE control statement 3-19
 - about 1-4, 3-2
 - control statements 3-6 to 3-19
 - ACCOUNT CODE = keyword 3-7
 - ACCOUNT CODE CONVERSION 3-8
 - CHANGE * TO X 3-8
 - DATE SELECTION 3-9
 - DEFAULT ACCOUNT CODE CONVERSION OFF 3-9
 - DEFAULT ALWAYS/YES/EXCEPTION 3-10
 - DEFINE FIELD 3-10 to 3-11
 - DEFINE MOVEFLD 3-11
 - EXCEPTION FILE PROCESSING OFF 3-13
 - EXCLUDE 3-13 to 3-14
 - EXIT 3-15
 - INPUT EXIT 3-16
 - LIMIT DCTN004W MSG TO 3-16
 - ON EMPTY INPUT FILE SET RC TO 3-16
 - OUTPUT EXIT 3-17
 - RESET 3-17
 - SHIFT 3-18 to 3-19
 - VERSION 3-19
 - WRITE 3-19
 - flow chart 3-33
 - input 3-3
 - JCL sample 3-31 to 3-32
 - output 3-4
 - processing requirements 3-5
- CIMSCMFP
 - about 1-3, 2-2
 - CICS dictionaries supported 2-2, 2-6
 - control statements 2-7 to 2-9
 - CICS TRANSACTIONS 2-8
 - HDx 2-8
 - INPUT DATASET IS UNDEFINED 2-8
 - INPUT DATASET IS VARIABLE 2-8
 - RETAIN ACCOUNTING CLASS RECORDS 2-8
 - TABLE FILE DEFAULTS OFF 2-8
 - TABLE FILE DELETE 2-9
 - TABLE FILE LOAD 2-9
 - TABLE FILE PRINT 2-9
 - flow chart 2-13
 - input 2-2
 - JCL sample 2-11
 - output 2-3
 - processing requirements 2-5 to 2-7
 - reports 2-5
- CMFPTABD, CICS identification and offset tables 2-2
- contacting CIMS Lab viii
- CPU time
 - adjusting, control statement for 4-4
 - normalizing, control statement for 4-7 to 4-8

D

date

non-prime day

Gregorian, control statement for 4-6

Julian, control statement for 4-6

weekends, control statement for 4-10

selection

CIMSCICS control statement for 4-5

CIMSCMF2 control statement for 3-9

DDNAME

CICSIN 4-12

CICSRECS 2-3

CICSTABS 2-2

CIMSACCT 4-12

CIMSACT2 3-4

CIMSCLNT 4-12

CIMSCMF 2-3

CIMSCNTL 3-3, 4-12

CIMSDTVS 3-3

CIMSEXOT 2-4

CIMSMSG 3-4

CIMSPRNT 3-4, 4-12

CIMSRTVS 4-12

CIMSTABL 3-3

CIMSUNSP 2-4

CMFIN 2-2, 3-3

CMFOUT 3-4

CMSEXOT 3-4

CMSEXT1 3-4

CMSIN 3-3

SYSOUT 4-12

dictionary

CICS

for CIMSCMF1 2-2, 2-6

for CIMSCMFP 2-2, 2-6

CIMS Server

control statement for reading 3-10

control statement for using non-default
dictionary definition version 3-19**E**

exception file 3-4

CIMSCMF2 3-4

CIMSCMFP 2-4

processing off, control statement for 3-13

H

help, contacting CIMS Lab viii

P

print control statements

PRINT EACH TRANSACTION 4-8

PRINT NO REPORTS 4-8

PRINT SUMMARIZED TRANSACTIONS 4-8

R

rate codes for CICS 4-11

changing 4-12

record descriptions A-2 to A-35

791 (CIMS Server Record) A-33 to A-35

CICSRC00 A-2

CICSRC01 2-3, A-3

CICSRC02 A-4 to A-5

CICSRC04 A-6

CICSRC05 2-3, A-7 to A-8

CICSRC06 2-3, A-9 to A-11

CICSRC07 2-3, A-12 to A-14

CICSRC08 2-4, A-15 to A-17

CICSRC12 2-4, A-18 to A-21

CICSRC13 2-4, A-22 to A-25

CICSRC14 2-4, A-26 to A-31

CIMRC999 (Transaction Account Record) A-32

S

shifts

defining, control statement for 3-18 to 3-19

prime shift, control statement for 4-8

T

technical support viii

transaction

date, control statement for 4-10

printing

each, control statement for 4-8

summarized, control statement for 4-8

record descriptions A-2 to A-32

time

adjusting, control statement for 4-4

normalizing, control statement for 4-7 to 4-8

