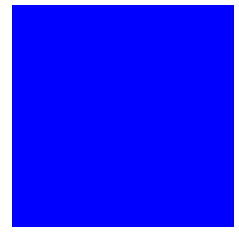


CIMS Lab, Inc.



CIMS Capacity Planner

Installation and Getting Started Guide

Version 5.3.0

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Table of Contents



Preface

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

1 • Installing CIMS Capacity Planner

Installation Overview	1-4
Installation Sources	1-4
About Installing the Most Current Release	1-5
Installing CIMS Capacity Planner	1-6
Step 1: Install the Files from the CIMS Product Tape, Product CD, or Web Site	1-6
Step 2: Enter the CIMS Lab Password	1-12
Step 3: Make Modifications for the SMS-managed DASD and the DASM Subsystem (If Required)	1-12
Step 4: Allocate and Initialize the Data Sets (DUTLINIT)	1-13
Step 5: Set Global Parameters (If Required)	1-14
Step 6: Enable the Use of the ISPF/PDF Interface	1-16
Step 7: Customize the CPPR ISPF/PDF Data Sets	1-16
Step 8: Enter Information in the ISPF/PDF Setup Panel	1-17
Step 9: Enable the Use of the ISPF/PDF GDDM Graphics Interface (If Required)	1-17
ISPF/PDF Specific Subsystem Initialization Instructions	1-18
About Installing CIMS Capacity Planner Subsystems	1-18
Allocating and Initializing the ONLINE and INDEX Data Sets	1-18
Naming Conventions for Customized Data Set Members	1-20
Installing the Workload Subsystem	1-21
Step 1: Allocate and Initialize the Data Sets	1-21
Step 2: Register the SMF System IDs in the Data Center	1-21
Step 3: Set the Local Parameters (If Required)	1-21
Step 4: Specify Additional Record Types (If Required)	1-26
Step 5: Run the Workload Data Reduction	1-27
Step 6: Run the Workload Reports	1-27
MVS 5.x Goal Mode Support	1-28

The DASM Subsystem	1-29
Step 1: Allocate and Initialize the Data Sets (DASMINIT)	1-29
Step 2: Create the &sidDSNX Member	1-29
Step 3: Edit the DASDPOOL PARMLIB Member	1-30
Step 4: Run the DASM Subsystem	1-31
The CICS Subsystem	1-32
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-32
Step 2: Register the CICS Regions	1-32
Step 3: Customize the CICS JCL	1-35
Step 4: Create the CICS PARMLIB Members	1-37
Step 5: Run the CICS Data Reduction	1-39
Step 6: Run the CICS Reports	1-39
The IDMS Subsystem	1-40
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-40
Step 2: Register the IDMS CVs	1-40
Step 3: Customize the IDMS JCL	1-42
Step 4: Create the IDMS PARMLIB Members	1-44
Step 5: Run the IDMS Data Reduction	1-46
Step 6: Run the IDMS Reports	1-46
The IMS Subsystem	1-47
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-47
Step 2: Register the IMS Regions	1-47
Step 3: Customize the IMS JCL	1-49
Step 4: Create the IMS PARMLIB Members	1-50
Step 5: Run the IMS Data Reduction	1-52
Step 6: Run the IMS Reports	1-52
The DB2 Subsystem	1-53
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-53
Step 2: Register the DB2 Systems	1-53
Step 3: Register the DB2 Connect Names	1-54
Step 4: Customize the DB2 JCL	1-55
Step 5: Create the DB2 PARMLIB Member	1-56
Step 6: Run the DB2 Data Reduction	1-57
Step 7: Run the DB2 Reports	1-57
The Model 204 Subsystem	1-58
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-58
Step 2: Customize the Model 204 JCL	1-58
Step 3: Customize Model 204 PARMLIB Members	1-59
Step 4: Run the Model 204 Data Reduction	1-61
Step 5: Run the Model 204 Reports	1-61
The Network Subsystem	1-62
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-62
Step 2: Register the VTAM APPLIDs	1-62
Step 3: Customize the Network JCL	1-64

Step 4: Customize Network PARMLIB Members	1-65
Step 5: Run the Network Data Reduction	1-67
Step 6: Run the Network Reports	1-67
Upgrading CIMS Capacity Planner (Same Version)	1-68

2 • Installation Checklist

CIMS Capacity Planner Installation Checklist	2-2
CIMS Capacity Planner Base System Traditional Checklist	2-3
CIMS Capacity Planner Base System Web Install Checklist	2-5
CIMS Capacity Planner Workload Subsystem Installation Checklist	2-7
CIMS Capacity Planner DASM Subsystem Installation Checklist	2-9
CIMS Capacity Planner CICS Subsystem Installation Checklist	2-11
CIMS Capacity Planner IDMS Subsystem Installation Checklist	2-14
CIMS Capacity Planner IMS Subsystem Installation Checklist	2-17
CIMS Capacity Planner Network Subsystem Installation Checklist	2-20
CIMS Capacity Planner DB2 Subsystem Installation Checklist	2-23
CIMS Capacity Planner Model 204 Subsystem Installation Checklist	2-26
CIMS Capacity Planner Presentation Graphics Interface Installation Checklist	2-28

A • Control Library JCL Examples

\$\$INDEX	A-3
D204INIT	A-17
D204PROD	A-18
D204REPT	A-19
DASMCMIT	A-20
DASMCOLW	A-21
DASMINIT	A-23
DCICINIT	A-24
DCICNROL	A-25
DCICPROD	A-26
DCICREPT	A-28
DCICSMF	A-30
DCICTMON	A-32
DDB2INIT	A-35
DDB2NRL1	A-36
DDB2NRL2	A-37
DDB2PROD	A-38
DDB2REPT	A-39
DIDMINIT	A-40
DIDML102	A-41
DIDMNROL	A-42
DIDMPL12	A-43
DIDMPROD	A-44
DIDMPSMF	A-45
DIDMREPT	A-46
DIMSINIT	A-48

DIMSNROL	A-49
DIMSPROD	A-50
DIMSREPT	A-54
DNETINIT	A-55
DNETNROL	A-56
DNETPROD	A-57
DNETREPT	A-58
DUTLINIT	A-59
DWKLINIT	A-60
DWKLNROL	A-61
DWKLPROD	A-62
DWKLREPT	A-64

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

The CIMS Capacity Planner is made up of several computer utilization and performance reporting subsystems. This product generates reports and graphs that deliver information necessary to evaluate the operation of a data center whose primary operating system is IBM OS/390.

Philosophy

CIMS is focused on meeting the financial, resource and capacity planner 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, resource reporting and capacity planning 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

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About this Guide

This guide provides the installation procedures for CIMS Capacity Planner. The following table describes the chapters in this guide.

This guide assumes that the appropriate CIMS Capacity Planner components have been installed at your site.

Ch. No.	Chapter Name	Content Description
1	<i>Installing CIMS Capacity Planner</i>	Provides detailed installation instructions for the CIMS Capacity Planner.
2	<i>Installation Checklist</i>	Provides a checklist to be used during the CIMS Capacity Planner installation procedure.
A	<i>Control Library JCL Examples</i>	Provides examples of Control Library JCL.
	<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>Appendix A, Control Library JCL Examples</i> .
<i>Italic</i>	words that are emphasized	...the entry <i>after</i> the current entry...
	the titles of other documents	<i>CIMS Capacity Planner User Guide</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

Related Publications

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

- *CIMS Capacity Planner User Guide*
- *CIMS Capacity Planner Reference Guide*



Installing CIMS Capacity Planner

Installation Overview	1-4
Installation Sources	1-4
About Installing the Most Current Release	1-5
Installing CIMS Capacity Planner	1-6
Step 1: Install the Files from the CIMS Product Tape, Product CD, or Web Site	1-6
Step 2: Enter the CIMS Lab Password	1-12
Step 3: Make Modifications for the SMS-managed DASD and the DASM Subsystem (If Required)	1-12
Step 4: Allocate and Initialize the Data Sets (DUTLINIT)	1-13
Step 5: Set Global Parameters (If Required)	1-14
Step 6: Enable the Use of the ISPF/PDF Interface	1-16
Step 7: Customize the CPPR ISPF/PDF Data Sets	1-16
Step 8: Enter Information in the ISPF/PDF Setup Panel	1-17
Step 9: Enable the Use of the ISPF/PDF GDDM Graphics Interface (if Required)	1-17
ISPF/PDF Specific Subsystem Initialization Instructions	1-18
About Installing CIMS Capacity Planner Subsystems	1-18
Allocating and Initializing the ONLINE and INDEX Data Sets	1-18
Naming Conventions for Customized Data Set Members	1-20
Installing the Workload Subsystem	1-21
Step 1: Allocate and Initialize the Data Sets	1-21
Step 2: Register the SMF System IDs in the Data Center	1-21
Step 3: Set the Local Parameters (If Required)	1-21
Step 4: Specify Additional Record Types (If Required)	1-26
Step 5: Run the Workload Data Reduction	1-27
Step 6: Run the Workload Reports	1-27
MVS 5.x Goal Mode Support	1-28

The DASM Subsystem	1-29
Step 1: Allocate and Initialize the Data Sets (DASMINIT)	1-29
Step 2: Create the 8sidDSNX Member	1-29
Step 3: Edit the DASDPOOL PARMLIB Member	1-30
Step 4: Run the DASM Subsystem	1-31
The CICS Subsystem	1-32
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-32
Step 2: Register the CICS Regions	1-32
Step 3: Customize the CICS JCL	1-35
Step 4: Create the CICS PARMLIB Members	1-37
Step 5: Run the CICS Data Reduction	1-39
Step 6: Run the CICS Reports	1-39
The IDMS Subsystem	1-40
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-40
Step 2: Register the IDMS CVs	1-40
Step 3: Customize the IDMS JCL	1-42
Step 4: Create the IDMS PARMLIB Members	1-44
Step 5: Run the IDMS Data Reduction	1-46
Step 6: Run the IDMS Reports	1-46
The IMS Subsystem	1-47
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-47
Step 2: Register the IMS Regions	1-47
Step 3: Customize the IMS JCL	1-49
Step 4: Create the IMS PARMLIB Members	1-50
Step 5: Run the IMS Data Reduction	1-52
Step 6: Run the IMS Reports	1-52
The DB2 Subsystem	1-53
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-53
Step 2: Register the DB2 Systems	1-53
Step 3: Register the DB2 Connect Names	1-54
Step 4: Customize the DB2 JCL	1-55
Step 5: Create the DB2 PARMLIB Member	1-56
Step 6: Run the DB2 Data Reduction	1-57
Step 7: Run the DB2 Reports	1-57
The Model 204 Subsystem	1-58
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets	1-58
Step 2: Customize the Model 204 JCL	1-58
Step 3: Customize Model 204 PARMLIB Members	1-59
Step 4: Run the Model 204 Data Reduction	1-61
Step 5: Run the Model 204 Reports	1-61

The Network Subsystem1-62
Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets 1-62
Step 2: Register the VTAM APPLIDs 1-62
Step 3: Customize the Network JCL 1-64
Step 4: Customize Network PARMLIB Members 1-65
Step 5: Run the Network Data Reduction 1-67
Step 6: Run the Network Reports 1-67
Upgrading CIMS Capacity Planner (Same Version)1-68

Installation Overview

The instructions in the *Installing CIMS Capacity Planner* section of this chapter are applicable if you are installing CIMS Capacity Planner for the first time or are upgrading from version 5.1 or 5.2 to 5.3.

If you are upgrading from one genlevel release of CIMS Capacity Planner 5.3 to a new genlevel of 5.3, follow the instructions in *Upgrading CIMS Capacity Planner (Same Version)* on page 1-68.

Note • Each release of CIMS Capacity Planner is assigned a genlevel that specifies the product release date. A genlevel is assigned to new versions of CIMS Capacity Planner as well as to releases of the same version. To ensure that you always have access to the current CIMS Capacity Planner genlevel, CIMS Lab recommends that you install from the CIMS Lab Web site.

Installation Sources

You can install CIMS Capacity Planner from the following sources:

- CIMS Lab Web site (<http://www.cimslab.com>)
- CIMS Product CD
- CIMS Product Tape

If you install from the product tape, the installation files are provided on the tape.

If you install from the CIMS Product CD or from the CIMS Lab Web site, the installation files are provided in the self-extracting `cimscppr_<genlevel>.exe` file. This file is located:

- On the CIMS Product CD—in the `CIMSCPPR` folder.
- On the CIMS Lab Web—on the **Downloads** ▶ **CIMS Capacity Planner** page under **CIMS Capacity Planner Product Downloads**.

The `cimscppr_<genlevel>.exe` file contains a `readme` file. This `readme` file contains the same instructions as provided in *Installing CIMS Capacity Planner* on page 1-6. However, the `readme` file does not contain the instructions for installing the CIMS Capacity Planner subsystems. Installation instructions for these subsystems begin on [page 1-21](#).

About Installing the Most Current Release

If you do not install or upgrade CIMS Capacity Planner in a timely manner after receiving the product, a new genlevel may be available from CIMS Lab. You can determine whether you have the latest CIMS Capacity Planner build by locating the latest genlevel release on the CIMS Lab Web site.

To locate the latest genlevel:

Go to the CIMS Lab Web site (<http://www.cimslab.com>). On the **Downloads ▶ CIMS Capacity Planner** page, look for the most current genlevel release under **CIMS Capacity Planner Product Downloads**.

You need to enter your CIMS Capacity Planner password to access the download page. Select the **Save my key** check box so that you won't have to re-enter the key each time you access this page. If you have CIMS Capacity Planner installed, you can determine your current password from the CIMSNUMS member in the CPPR.CNTL library. If you do not have your password, contact CIMS Lab technical support (see [page viii](#)).

To determine the genlevel of your existing installation:

If you have CIMS Capacity Planner installed, edit the CIMSLEVL JCL member in CPPR.CNTL and submit it. The output in the CIMSPRNT DD will show the genlevel similar to the following:

```
V5.30                                The CIMS Capacity Planner
                                     _____
                                     Program CPPRLEVL

CIMS Capacity Planner Version and Date: V5.30 2004/01/02
```

To determine whether any product updates are available:

Note that although you might have the correct genlevel installed, product updates that were added after the genlevel was created might be available. Go to the **Downloads ▶ CIMS Capacity Planner** page and look for updates listed under **CIMS Capacity Planner Product Updates** that have a date *after* the genlevel date. For more information about product updates, see [Applying Product Updates](#) on page 1-68

Installing CIMS Capacity Planner

The instructions in this chapter are applicable if you are performing a new install of CIMS Capacity Planner or are upgrading from version 5.1 or 5.2 to 5.3.

If you are upgrading from one genlevel release of CIMS Capacity Planner 5.3 to a new genlevel of 5.3, follow the instructions in [Upgrading CIMS Capacity Planner \(Same Version\)](#) on page 1-68.

Step 1: Install the Files from the CIMS Product Tape, Product CD, or Web Site

The following sections provide the steps required to install the CIMS Capacity Planner files from the CIMS Product Tape or the CIMS Product CD or CIMS Lab Web Site.

When you have completed the applicable steps, continue to [Step 2: Enter the CIMS Lab Password](#) on page 1-12.

To Install from the CIMS Product Tape

CIMS Data Collector for Mainframe Systems and CIMS Capacity Planner are delivered on the same tape. CIMS Capacity Planner begins with data set 20 as shown in the following table.

Data Set	DSNAME	Description	Format
20	CPPR.INSTALL	Installation JCL	IEBGENER
21	CPPR.OBJECT	CIMS Capacity Planner object modules	IEBCOPY
22	CPPR.LOADLIB	CIMS Capacity Planner load modules	IEBCOPY
23	CPPR.SOURCE	Source of tables	IEBCOPY
24	CPPR.PARMLIB	CIMS Capacity Planner parameters	IEBCOPY
25	CPPR.ICUFORMS	Format members for GDDM	IEBCOPY
26	CPPR.ICUDATA	Data members for GDDM	IEBCOPY
27	CPPR.CNTL	Sample JCL	IEBCOPY
28	CPPR.CPPRCLIB	ISPF/PDF CLIST library	IEBCOPY
29	CPPR.CPPRMLIB	ISPF/PDF message library	IEBCOPY
30	CPPR.CPPRPLIB	ISPF/PDF panel library	IEBCOPY
31	CPPR.CPPRSLIB	ISPF/PDF skeleton library	IEBCOPY
32	CPPR.CPPRTLIB	ISPF/PDF tutorial library	IEBCOPY
33	CPPR.SCHEDLIB	Task schedule members	IEBCOPY

Data Set	DSNAME	Description	Format
34	CPPR.TANDEM	Generic scripts to support Tandem System	IEBCOPY
35	CPPR.SASLIB	SAS Bridge and SAS script members	IEBCOPY
36	CPPR.SPECTRUM	Scripts for Spectrum Report Writer	IEBCOPY
37	CPPR.GENERIC	Generic SMF record input definitions	IEBCOPY
38	CPPR.LINKJCL	Link JCL that builds load modules	IEBCOPY
39	CPPR.CPPRTOOL	CIMS Capacity Planner Excel macro	IEBCOPY

Use the following JCL to copy the DSN=CPPR.INSTALL data set from the tape to an OS/390 library for modification. This data set is JCL that can be used to download the remaining information from the tape.

Replace the JOB statement and the &PREFIX in SYSUT2 to the statement and high-level qualifier, respectively, that are valid for your installation and then submit the job for execution.

```
//JOB CARD   JOB . . .
//STEP1     EXEC PGM=IEBGENER
//SYSUT1    DD  DSN=CPPR.INSTALL,DISP=OLD,UNIT=TAPE,
//           VOL=SER=CIMS390,LABEL=(20,SL)
//SYSUT2    DD  DSN=&PREFIX.CPPR.INSTALL,
//           DISP=(,CATLG),SPACE=(TRK,(10,1)),UNIT=SYSDA,
//           DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120)
//SYSPRINT  DD  SYSOUT=*
//SYSIN     DD  DUMMY
```

Once you have copied CPPR.INSTALL to disk, follow these steps:

- 1 Use a text editor to replace the character string &PREFIX in all the JCL statements to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Substitute the Volume Serial Number of the volume on which you want to install the CIMS Capacity Planner data sets for the character string &VOL in all the JCL statements, and change the &UNIT parameter as required for the direct access storage device (DASD) unit name.

When selecting a volume on which to install the data sets, consider that the libraries occupy slightly fewer than thirty cylinders of space on a 3390.

- 3 Add a JOB statement to the beginning of the job and submit the job for execution.

Excel Macro Support

The graphs generated by CIMS Capacity Planner can be viewed in a Microsoft Excel spreadsheet on a PC. A self-extracting executable file has been included in CPPR.CPPRTOOL. Use a binary transfer to send this file to a PC where it can be executed. Additional details can be found in the readme file that is included in CPPRTOOL.

To Install from the CIMS Product CD or the CIMS Lab Web Site

Download the self-extracting file `cimscppr_<genleveldate>.exe` to extract files shown in the following table and then follow the steps on [page 1-9](#). The file `cimscppr_<genleveldate>.exe` is located:

- On the CIMS Product CD—in the CIMSPPR folder.
- On the CIMS Lab Web—on the **Downloads ▶ CIMS Capacity Planner** page under **CIMS Capacity Planner Product Downloads**.

There are a total of twelve files included in the executable. These files require approximately 19.4 MB of space. The .SEQ files are TSO transmitted sequential data sets.

Name	Description
CNTL_<genleveldate>.SEQ	Sample JCL
CPPRLIB_<genleveldate>.SEQ	Combination of the ISPF/PDF CLIST, CPPRLIB, CPPRPLIB, CPPRSLIB, CPPRTLIB, and PARMLIB data sets
DISTLIB_<genleveldate>.SEQ	Combination of the CPPRCLIB, GENERIC, SASLIB, SCHEDLIB, SOURCE, SPECTRUM, and TANDEM files
ICUDATA_<genleveldate>.SEQ	GDDM data members
ICUFORMS_<genleveldate>.SEQ	GDDM format members
LINKJCL_<genleveldate>.SEQ	JCL and control members to build CIMS Capacity Planner load modules
OBJECT_<genleveldate>.SEQ	Object library containing modules that must be linked
README_<genleveldate>.TXT	Installation instructions.
ALLOC_<genleveldate>.JCL	A sample JCL member that allocates all the temporary install and permanent product libraries.
INSTJOBA_<genleveldate>.JCL	A sample JCL member that restores the data sets from the sequential files.
INSTJOB_<genleveldate>.JCL	A sample JCL member that splits the combined PDS files, DISTLIB, into the permanent PDS files.
CPPRTOOL_<genleveldate>.EXE	CIMS Capacity Planner tools for the PC. Self-extracting executable that contains the Excel macro, Unpacker, and documentation. Execute this file and then follow the directions in the <code>readme</code> file that is included.

- 1 Transfer the following files to a PDS on OS/390. Use the names INSTJOBA, INSTJOB B and ALLOC respectively.

- INSTJOBA_<genleveldate>.JCL
- INSTJOB B_<genleveldate>.JCL
- ALLOC_<genleveldate>.JCL

Perform an ASCII transfer for the files:

- Convert the data from ASCII to EBCDIC
- Append CRLF (carriage return/line feed) sequences

The target data set should have the following data set attributes:

SPACE UNITS:	BLKS
BLKS:	5 (primary), 2 (secondary)
DIRBLKS:	1
RECFM:	FB
LRECL:	80
BLKSIZE:	6160
DSORG:	PO

- 2 Modify the ALLOC JCL on OS/390.

This JCL will allocate the temporary sequential data sets (to be used in [Step 4](#) on page 1-10) and also the product libraries. Edit the JCL and change the following to meet your installation requirements:

Edit the Jobcard	
&PREFIX	The high-level qualifier for your CIMS Capacity Planner installation
&UNIT	The disk unit name for your site
&VOL	The volume for the CIMS data sets to reside on
&DELETE	LT to delete the sequential data sets LE to bypass allocation of data sets
&ALLOC	LT to allocate the CIMS OS/390 install data sets LE to bypass allocation of data sets

Note • Set &DELETE to LE and &ALLOC to LT the first time you run the ALLOC JCL.

3 Submit the ALLOC JCL.

The job should complete with a return code zero. Investigate any non-zero return code.

4 Transfer the files to sequential data sets on OS/390 as shown in the following table.

Extracted Zip File	OS/390 Name Data Set
CNTL_<genleveldate>.SEQ	PREFIX.CNTL.SEQ
CPPRLIB_<genleveldate>.SEQ	PREFIX.CPPRLIB.SEQ
DISTLIB_<genleveldate>.SEQ	PREFIX.DISTLIB.SEQ
ICUFORMS_<genleveldate>.SEQ	PREFIX.ICUFORMS.SEQ
ICUDATA_<genleveldate>.SEQ	PREFIX.ICUDATA.SEQ
LINKJCL_<genleveldate>.SEQ	PREFIX.LINKJCL.SEQ
OBJECT_<genleveldate>.SEQ	PREFIX.OBJECT.SEQ

Where PREFIX = high-level data set qualifier for your CIMS Capacity Planner installation.

Perform a binary transfer for the files:

- DO NOT convert the data from ASCII to EBCDIC
- DO NOT append CRLF (carriage return/line feed) sequences

The target data set were built in [Step 3](#).

5 Modify the INSTJOBA JCL on OS/390.

This JCL will restore the TSO Transmitted sequential data sets to partitioned data sets (PDS).

Edit the JCL and change the following to meet your installation requirements:

Edit the Jobcard	
&USER	Your user ID
&PREFIX	High-level qualifier for your CIMS Capacity Planner installation

6 Submit the INSTJOBA JCL.

The job should complete with a return code zero. Investigate any non-zero return code.

7 Modify the INSTJOB B JCL on OS/390.

This JCL will build additional PDS files. Two of the TSO Transmitted sequential data sets contain the members from several PDS files. This job will separate these combined files into the appropriate PDS.

Edit the JCL and change the following to meet your installation requirements:

Edit the Jobcard

&PREFIX	High-level qualifier for your CIMS Capacity Planner install
---------	---

- 8** Submit the INSTJOB1 JCL.

The job should complete with a return code zero. Investigate any non-zero return code.

- 9** Modify the INSTDELE JCL in CPPR.CNTL.

This JCL will delete the temporary libraries used during the Web install.

Edit the JCL and change the following to meet your installation requirements:

Edit the Jobcard

&PREFIX	High-level qualifier for your CIMS Capacity Planner installation
---------	--

- 10** Submit the INSTDELE JCL.

The job should complete with a return code zero. Investigate any non-zero return code.

- 11** Customize the Link procedure.

The executable load modules must be built using the linkage editor. The &PREFIX.V530.LINKJCL library contains all the JCL needed to build the executable modules. The LINKPROC member is a procedure that is called by the two JCLs, INSTJOB1 and INSTJOB2. Edit LINKPROC and update the &PREFIX to match the high-level qualifier used for your CIMS Capacity Planner installation.

- 12** Modify the INSTJOB1 JCL on OS/390 in DSN=&PREFIX.V530.LINKJCL.

This JCL will build half of the executable load modules.

Edit the JCL and change the following to meet your installation requirements:

Edit the Jobcard

JCLLIB ORDER	(...) must point to &PREFIX.V530.LINKJCL
--------------	--

- 13** Submit the INSTJOB1 JCL.

■ Installing CIMS Capacity Planner

Installing CIMS Capacity Planner

The job should complete with a return code zero. Investigate any non-zero return code.

- 14 Modify the INSTJOB2 JCL on OS/390 in DSN=&PREFIX.V530.LINKJCL.

This JCL will build the remaining executable load modules.

Edit the JCL and change the following to meet your installation requirements:

Edit the Jobcard

JCLLIB ORDER (...) must point to &PREFIX.V530.LINKJCL

- 15 Submit the INSTJOB2 JCL.

The job should complete with a return code zero. Investigate any non-zero return code.

Step 2: Enter the CIMS Lab Password

CIMS Capacity Planner requires that you enter a password in the CIMSNUM member in CPPR.CNTL. If you do not have your password, contact CIMS Lab technical support (see [page viii](#)).

Step 3: Make Modifications for the SMS-managed DASD and the DASM Subsystem (If Required)

If your installation uses Storage Management Subsystem (SMS) to manage the DASD farm and you have the Direct Access Storage Management (DASM) subsystem, you must make the LOADLIB APF-authorized. In addition, in order for the ISPF/PDF online reports to work properly, you must modify the IKJTS000 member in SYS1.PARMLIB to include the program name SSA1DASM as an authorized program.

Step 4: Allocate and Initialize the Data Sets (DUTLINIT)

This section describes the `CPPR.CPPRERT`, `CPPR.HGDLIB`, and `CPPR.LNGVLIB` data sets and provides the steps required to customize and run the `DUTLINIT` JCL member that allocates and initializes these data sets. The `DUTLINIT` member is in `CPPR.CNTL`.

Element Registration Table Data Set (CPPRERT)

CIMS Capacity Planner uses control data contained in an Element Registration Table to keep track of the various tables contained in the Performance Database (see [ONLINE Data Set](#) on page 1-18 for a description of this database). Prior to performing any data reduction or reporting, each CPU, SMF System ID (SID), and major subsystem region must be registered in the `CPPRERT` data set. The various SMF SIDs are added to the data set by running the Enroll program (`SSA1NROL`). CIMS Capacity Planner does not process data for unregistered systems.

The normal space allocation for the `CPPRERT` data set is 2 tracks of 3390 with a secondary allocation of 1 track.

Harvard Graphics Interface Data Set (HGDLIB)

`HGDLIB` is a PDS used to store the graphics data to be downloaded to the PC-based Presentation Graphics system (Harvard Graphics).

Longview Interface Data Set (LNGVLIB)

`LNGVLIB` is a PDS used to store the summarized historical capacity metrics that can be used for CPU and DASD utilization projections.

Customize the DUTLINIT Member

To customize `DUTLINIT`:

- 1 Change `&PREFIX` to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change `&VOLUME` to the `VOLSER` chosen to hold the Workload files.
- 3 Change the `UNIT=SYSDA` as necessary.
- 4 Replace the `JOB` statement with a one that is valid for your installation and submit the job for execution.

To view the `DUTLINIT` JCL, see [DUTLINIT](#) on page A-59.

Step 5: Set Global Parameters (If Required)

CIMS Capacity Planner is distributed with the GLOBAL member in CPPR.PARMLIB. You can edit and save this member to reflect the local options for your installation.

The parameters that can be specified in this member are:

■ SYSTEM

The SYSTEM parameter is required only when you run CIMS Capacity Planner on a FUJITSU host. In this case, SYSTEM=MSP.

If SYSTEM=MSP is not specified, CIMS Capacity Planner assumes that the system is OS/390.

■ TITLE

The TITLE parameter specifies the title that will appear at the top of all CIMS Capacity Planner system reports. The format of this parameter is:

TITLE=Any combination of up to 60 characters, including blanks.

The default is:

TITLE=XYZ CORPORATE DATA CENTER

■ PRIME SHIFT FIRST HOUR

This parameter specifies the beginning of the prime shift for reporting purposes. The format of this parameter is:

PRIME SHIFT FIRST HOUR=hh, where hh is the hour that the prime shift begins based upon a 24 hour clock.

The default is:

PRIME SHIFT FIRST HOUR=7

■ LATE SHIFT FIRST HOUR

This parameter specifies the beginning of the late shift for reporting purposes. The format of this parameter is:

LATE SHIFT FIRST HOUR=hh, where hh is the hour that the prime shift begins based upon a 24 hour clock.

The default is:

LATE SHIFT FIRST HOUR=17

■ LOCAL HOLIDAYS=EXCLUDE

This parameter specifies that the holidays set in the HOLIDAYS member of the CPPR.PARMLIB data set are excluded from processing that uses the global parameters

By default, this parameter is commented and local holidays *are not* excluded. If you want to exclude local holidays, uncomment this parameter.

■ WEEKS TO KEEP ONLINE

The WEEKS TO KEEP ONLINE parameter specifies to the Archive program how many weeks of data to keep in the Performance Database (see [ONLINE Data Set](#) on page 1-18 for a description of this database). When the Archive program is executed, it off loads all the tables earlier than the specified number of weeks into the HISTORY file. The format of this parameter is:

WEEKS TO KEEP ONLINE=nn, where nn is the number of weeks.

The default is:

WEEKS TO KEEP ONLINE=4

■ SUPPRESS WTO MESSAGES=YES

Certain modules write informational messages to the operator console so that the messages appear in the JCL listings. By default, this parameter is commented and WTO messages *are not* suppressed. If you want to suppress WTO message, uncomment this parameter.

■ HGDLIB YEAR EXPANSION=YES

The PC graphing capability in CIMS Capacity Planner generates files for graphing software. The files generated might contain a year. This parameter specifies that a full four-digit year should be placed in these files.

By default, this parameter is commented and a two-digit year is written to these files. If you want to use a four-digit year, uncomment this parameter.

■ NO HGDLIB SKIPS=YES

The PC graphing capability generates files for graphing software using an x- and y-axis. By default, this parameter is commented and every other label is skipped when more than 13 rows of data exist. If you do not want to skip labels, uncomment this parameter.

■ NO HGDLIB NULLS=YES

The PC graphing capability generates files for graphing software. Occurrences of 00 and .00 can be controlled by this parameter.

By default, this parameter is commented and all 00 and .00 are replaced with NULLS (blanks). To prevent this conversion, uncomment this parameter.

■ TRANSLATE COMMAS TO SEMICOLONS=NO

This parameter applies only when GEOGRAPHIC LOCATION=EUROPE and a PC graphing file is created. The comma used to separate fields is automatically converted to a semicolon for geographic locations in Europe. By default, this parameter is commented and commas are translated to semicolons. If you do not want this conversion to take place, uncomment this parameter.

Step 6: Enable the Use of the ISPF/PDF Interface

The ISPF/PDF interface simplifies the task of invoking many of the reporting facilities of CIMS Capacity Planner. To use the ISPF interface, concatenate `CPPR.CPPRCLIB` with the other CLIST libraries. You can do this dynamically through a separate CLIST (see the `ALOCCPPR` member in `CPPR.CPPRCLIB` for an example), or you can add the `&PREFIX.CPPR.CPPRCLIB` to the `SYSPROC` concatenation in your TSO LOGON procedure. The `LIBDEF` facility is used to dynamically concatenate the Panel libraries, the Tutorial libraries, the Skeleton libraries, and the Message libraries to the standard ISPF/PDF libraries.

Step 7: Customize the CPPR ISPF/PDF Data Sets

You must customize the CIMS Capacity Planner ISPF/PDF data sets to conform to the standards of the installation.

CPPRCLIB

Change the `&PREFIX` in the `CPPR` member to the high-level qualifier for your CIMS Capacity Planner installation.

CPPRPLIB

If your site has its own standards regarding the layout of ISPF/PDF panels, you can modify the panels.

CPPRMLIB

If your site has its own standards regarding the layout of ISPF/PDF messages, you can change the distributed message formats.

Note • If your site does not allow the allocation of a permanent data set to an esoteric unit name of `SYSDA`. In this situation, the following `CPPR.CPPRPLIB` members need to be modified: `DCAFSTAT`, `DCAFST81`, `DCAFSUMM`, `DCAFSU80`, `DCAFSU81`, `DCAFTAACL`, `DCAFTRND`, `DCAFUTIL`, `DCAFVT01`, `DCAFVT02`, `DCAFVT03`, `DCAFVT04`, `DCAFVT05`, `DCAFVTOC` and `DCAFXCPT`. In each of these members, change `SYSDA` to an acceptable esoteric unit name.

Step 8: Enter Information in the ISPF/PDF Setup Panel

The first time you enter the CIMS Capacity Planner ISPF/PDF interface, the Setup Panel (option 0) is displayed. At this time you must enter the data set information as required, along with printer information and a legitimate job card. The first panel lets you enter the data set names for LOADLIB, CPPRERT, HGDLIB, LNGVLIB, and SCHEDLIB. These data sets have already been allocated and built in [Step 1: Install the Files from the CIMS Product Tape, Product CD, or Web Site](#) on page 1-6.

The second panel lets you specify Graphical Data Display Manager (GDDM) libraries along with the Prime Shift definition for the local installation. If your installation does not use GDDM, you can enter (NONE) in place of the GDDM data set names.

All of these values are saved in your ISPF profile when you log off from your TSO session.

Step 9: Enable the Use of the ISPF/PDF GDDM Graphics Interface (If Required)

An ISPF/PDF interface to GDDM lets you view several different graphs related to the Workload and the other Subsystems online using data from the Performance Database (see [ONLINE Data Set](#) on page 1-18 for a description of this database).

Preparing to Use the Graphics Interface

To use the Graphics Interface, you must have the following:

- **Appropriate Graphics Terminal Access.** You must have access to a graphics terminal that supports the "Write Structured Field" feature in order to view the graphs.
- **GDDM Software License.** The installation must be licensed to use GDDM and GDDM/PGF from IBM. The CIMS Capacity Planner communicates directly with GDDM through the ICU interface, which is an integral part of GDDM/PGF as of version 2.1.1.
- **Library Access Through TSO.** The GDDM load modules must be accessible through the user's TSO LOGON PROC. In addition, the GDDM symbol library must be available through the user's TSO LOGON PROC.
- **Sufficient Storage Allocation.** The region size for the TSO session must be of sufficient size to accommodate the CIMS Capacity Planner tables. A SIZE(5000) should be sufficient, depending on the local environment.
- **Specified Library Names.** You must use the setup panel (option O) the first time through to specify the data set names for the CPPR.ICUFORMS and CPPR.ICUDATA data sets used by the GDDM facility. The data set names are recorded in the user's ISPF Profile, so they need not be re-specified unless they change.

ISPF/PDF Specific Subsystem Initialization Instructions

You should not use the remainder of the ISPF/PDF options at this time because the Performance Database for each of the subsystems has not yet been allocated. (See *ONLINE Data Set* on page 1-18 for a description of the Performance Database).

About Installing CIMS Capacity Planner Subsystems

This section provides installation steps and information that is applicable to all CIMS Capacity Planner subsystems. Subsystem-specific installation steps begin with *Installing the Workload Subsystem* on page 1-21.

Allocating and Initializing the ONLINE and INDEX Data Sets

The first step in installing a CIMS Capacity Planner subsystem is to allocate and initialize the ONLINE and INDEX data sets. The CPPR.CNTL data set contains JCL members that perform this step.

This section describes the ONLINE and INDEX data sets and provides the steps required to customize and run the initialization JCL.

ONLINE Data Set

The ONLINE data set contains the Performance Database, which consists of the historical data collected by the subsystem data reduction program in the form of tables.

This minimizes the period in which the Performance Database is vulnerable during the data reduction process, you should do the following:

- 1 Copy the ONLINE data set to a work file (SYSUT3).
- 2 Apply the updates to the copied data set and then copy the updates back to the original ONLINE data set when the data reduction phase terminates.

If the ONLINE data set becomes excessively large, it could take a long time to initiate and terminate the data reduction programs (transfer the data to the copied data set in SYSUT3 and back again). Therefore, you should summarize and archive the data periodically.

You should allocate the ONLINE data set to a device that is available to all systems for which data is being gathered. The selected device must have a minimum track capacity of 19069 bytes.

The space requirements for the ONLINE data set vary from one data center to another. The following are the estimated space requirements for each *month* of data.

Subsystem	Space Requirements Per Month
Workload	<ul style="list-style-type: none"> ■ 45 cylinders of 3390 for each system being measured ■ 5 cylinders of 3390 for each Batch Window to be analyzed
DASM	■ 5 cylinders of 3390 for each 100 DASD Volumes in the DASD farm
CICS	■ 90 cylinders of 3390 per region
IDMS	■ 90 cylinders of 3390 per CV
IMS	■ 90 cylinders of 3390 per system
DB2	■ 90 cylinders of 3390 per connect name
Model 204	■ 90 cylinders of 3390 per system
Network	■ 90 cylinders of 3390 VTAM APPLID

INDEX Data Set

An index is provided to eliminate the need to search through the Performance Database during report preparation. The normal allocation for the INDEX data set is 2 tracks of 3390 with a secondary allocation of 1 track.

Customizing the Initialization Members

The following table shows each subsystem and the correlating JCL member used for allocating and initializing the ONLINE and INDEX data sets. This table also provides the section in [Appendix A, Control Library JCL Examples](#) in which you can view the JCL.

Subsystem	Allocation & Initialization JCL Member	JCL Location
Workload	CNTL.DWKLINIT	<i>DWKLINIT</i> on page A-60
DASM	CNTL.DASMINIT	<i>DASMINIT</i> on page A-23
CICS	CNTL.DCICINIT	<i>DCICINIT</i> on page A-24
IDMS	CNTL.DIDMINIT	<i>DIDMINIT</i> on page A-40
IMS	CNTL.DIMSINIT	<i>DIMSINIT</i> on page A-48
DB2	CNTL.DDB2INIT	<i>DDB2INIT</i> on page A-35
Model 204	CNTL.D204INIT	<i>D204INIT</i> on page A-17
Network	CNTL.DNETINIT	<i>DNETINIT</i> on page A-55

■ Installing CIMS Capacity Planner

About Installing CIMS Capacity Planner Subsystems

To customize the member:

- 1** Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2** Change &VOLUME to the VOLSER of the device you have chosen to hold the ONLINE data set and its INDEX.
- 3** Change the UNIT=SYSDA parameter as appropriate.
- 4** Adjust the SPACE allocation parameters as required.
- 5** Replace the JOB statement with a one that is valid for your installation and submit the job for execution.

Naming Conventions for Customized Data Set Members

CIMS Lab provides many sample data set members that you can copy and customize for your site. If the name of the new member contains the SMF SID, the following rules apply:

- If the SMF SID begins with a numeric character, you need to substitute an alphabetic character for the first character as follows:

0=A, 1=B, 2=C, 3=D, 4=E, 5=F, 6=G, 7=H, 8=I, 9=J

This substitution ensures that the member has a valid member name.

- If the SMF SID is less than four characters, you must use a # character as a padding character so that the SMF SID in the member name is exactly four characters long.

For example, if the SMF SID is 123, and you are copying the sample CPPRDSNX member, which requires that you replace CPPR with the SMF SID, the new member name would be B23#/DSNX.

The SMF SIDs are specified in SYS1.PARMLIB in member SMFPRMxx, where xx is either 00 or the operand supplied in the IPL parameter SYSP=xx.

Installing the Workload Subsystem

Installing the CIMS Capacity Planner Workload subsystem consists of allocating and initializing the required disk space, enrolling the various SMF systems, customizing JCL, creating a local parameter member in CPPR.PARMLIB, and running the data reduction and reporting jobs.

Each of the required steps is described in the following sections.

Step 1: Allocate and Initialize the Data Sets

See *Allocating and Initializing the ONLINE and INDEX Data Sets* on page 1-18.

Step 2: Register the SMF System IDs in the Data Center

After the ONLINE data sets have been allocated, you must register each SMF SID for which SMF/RMF data should be processed. This is a straightforward procedure and requires only that you run the Enroll program (SSA1NROL). You can register a maximum of five SMF SIDs in a single execution. If you must register more than five SMF SIDs, then multiple executions of SSA1NROL are required.

Customize the DWKLNROL Member

The CPPR.CNTL data set contains the DWKLNROL member that executes the SSA1NROL program. To customize DWKLNROL:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Modify the list of SMF SIDs specified by the SELECTED SYSTEM= parameter to include all SIDs that apply (up to a maximum of five).
- 3 Replace the JOB statement with a one that is valid for your installation and submit the job for execution.

To view the DWKLNROL JCL, see *DWKLNROL* on page A-61.

Step 3: Set the Local Parameters (If Required)

There are a number of parameters that control the execution of CIMS Capacity Planner from the data reduction through the reporting phases.

Parameters can be provided in the following ways:

- Through the GLOBAL member in CPPR.PARMLIB (see *Step 5: Set Global Parameters (If Required)* on page 1-14).

In this manner, the parameter applies to all executions of any programs in the CIMS Capacity Planner system that include a CPPRPARM DD statement.

- Through SYSIN input to the job step being executed.

Parameters supplied via SYSIN apply only to a single execution of the program, whether or not the CPPRPARAM DD statement is included. Parameters provided through SYSIN override the corresponding GLOBAL parameters.

- Through a local member in CPPR.PARMLIB.

Local members are associated with a single SMF SID. The local member supplies the same parameters as the GLOBAL member, but only when processing the specific system specified by the SMF SID. The SMF SIDs are specified in the SYS1.PARMLIB data set in member SMFPRMxx, where xx is either 00 or the operand supplied in the IPL parameter SYSP=xx.

Parameters specified in a local member override parameters specified in the GLOBAL member so that parameters common to all systems can be specified in the GLOBAL member while parameters specific to any individual system can be specified in the local member.

Local parameters override SYSIN parameters and GLOBAL parameters. Therefore, parameters specified in local member cannot be overridden.

You can use the sample CPPR member in CPPR.PARMLIB as a template to create your own local member(s). The following sections provide the steps required to create a customized local member.

Creating the Local Member

- 1 Copy and rename the sample CPPR member (i.e., PARMLIB(CPPR) to PARMLIB(&sid) where &sid is the SMF SID of the system being processed. If the SMF SID begins with a numeric character or is less than four digits, use the naming convention specified in *Naming Conventions for Customized Data Set Members* on page 1-20.

If you are reporting on more than a single SMF SID, multiple local members are required, one for each unique SMF SID.

- 2 After copying the CPPR member, customize the parameters (see *Parameters and Default Values in the Local Member* on page 1-23).

Parameters and Default Values in the Local Member

The parameters that can be specified in the CIMS Capacity Planner local member are:

■ BATCHPGN

The BATCHPGN parameter specifies the System Resource Manager (SRM) performance groups under which the Batch Workload is processed. The format of this parameter is:

BATCHPGN=nn,nn... (up to 16 performance group numbers [PGNs] separated by commas)

The default is BATCHPGN=1

■ BATCHTAG

The BATCHTAG parameter specifies the label that is to be associated with the Batch elements in the Summary Report and the Ratio Graphs. This label may contain a maximum of eight characters. The format of this parameter is:

BATCHTAG=label

The default is:

BATCHTAG=BATCH

■ TSOPGN

The TSOPGN parameter specifies the SRM performance groups under which TSO is run. The format of this parameter is:

TSOPGN=nn,nn,nn... (up to 16 PGNs separated by commas)

The default is:

TSOPGN=2

■ TSOTAG

The TSOTAG parameter specifies the label that is to be associated with the TSO elements in the Summary Reports and Ratio Graphs. The label can contain a maximum of eight characters. The format of this parameter is:

TSOTAG=label

The default is:

TSOTAG=TSO

■ ONLINEPGN

The **ONLINEPGN** parameter specifies the SRM performance groups under which **ONLINE** tasks are run. The format of this parameter is:

`ONLINEPGN=nn,nn,nn...` (up to 16 PGNs separated by commas)

The default is:

`ONLINEPGN=21`

■ ONLINETAG

The **ONLINETAG** parameter specifies the label that is to be associated with the **ONLINE** elements in the Summary Reports and Ratio Graphs. The label can contain a maximum of eight characters. The format of this parameter is:

`ONLINETAG=label`

The default is:

`ONLINETAG=ONLINE`

■ DATABASEPGN

The **DATABASEPGN** parameter is used to specify the SRM performance groups under which database tasks are run. The format of this parameter is:

`DATABASEPGN=nn,nn,nn...` (up to 16 PGNs separated by commas)

The default is:

`DATABASEPGN=31,32`

■ DATABASETAG

The **DATABASETAG** parameter specifies the label that is to be associated with the **Database** elements in the Summary Reports and Ratio Graphs. The label can contain a maximum of eight characters. The format of this parameter is:

`DATABASETAG=label`

The default is:

`DATABASETAG=DATABASE`

■ NETWORKPGN

The **NETWORKPGN** parameter specifies the SRM performance groups under which **Network** tasks such as VTAM are run. The format of this parameter is:

`NETWORKPGN=nn,nn,nn...` (up to 16 PGNs separated by commas).

The default is:

`NETWORKPGN=51`

■ NETWORKTAG

The NETWORKTAG parameter specifies the label that is to be associated with the Network elements in the Summary Reports and Ratio Graphs. The label can contain a maximum of eight characters. The format of this parameter is:

```
NETWORKTAG=label
```

The default is:

```
NETWORKTAG=NETWORK
```

■ O/STAG

The O/STAG parameter specifies the label that is to be associated with the Operating System elements in the Summary Reports and Ratio Graphs. The label can contain a maximum of eight characters. The format of this parameter is:

```
O/STAG=label
```

The default is:

```
OSTAG=O/S
```

■ STCTAG

The STCTAG parameter specifies the label that is to be associated with the Started Task elements in the Summary Reports and Ratio Graphs. The label can be of up to a maximum of eight characters. The format of this parameter is:

```
STCTAG=label
```

The default is:

```
STCTAG=STC
```

Specifying Performance Group Numbers

The types of work being run under each of the performance groups can be determined by viewing the IEAICSxx member in SYS1.PARMLIB. The PGNs of each type of work (BATCH, TSO, etc.) should be entered in place of the sample parameter values.

WARNING • Do not enter any given PGN under more than one PGN classification. For example, a PGN should not be specified as both a BATCHPGN and an ONLINEPGN. The parameters become effective at the time they are saved to CPPR.PARMLIB.

Specifying Performance Group Labels

The performance group labels are used as constants by several reporting programs. If the values supplied from the sample local member CPPR are sufficient, no changes are necessary. If you choose to change the labels, replace the sample names with the names that you select (labels are limited to a maximum length of eight characters). The labels become effective at the time they are "saved" to the CPPR.PARMLIB data set. The labels can be changed at any time with no affect upon the data contained in the Performance Database.

Step 4: Specify Additional Record Types (If Required)

In general, CIMS Capacity Planner requires no more system data than you would collect on a regular basis (RMF records, SMF records, CICS Monitor Facility records, IMS Logs, etc.). If additional record types are needed, you can specify additional record types using the members discussed in the following sections.

Collecting SMF Records

The collection of SMF records is controlled by `SYS1.PARMLIB` member `SMFPRMxx`, where `xx` is either `00` or the operand supplied in the IPL parameter `SYSP=xx`. The CIMS Capacity Planner system requires the following SMF record types:

- Type 00 (IPL Record)
- Type 06 (JESx Printer Record)
- Type 14 (QSAM Input Data Set CLOSE Record)
- Type 15 (QSAM Output Data Set CLOSE Record)
- Type 17 (DADSM DELETE Record)
- Type 18 (DADSM RENAME Record)
- Type 21 (Tape Error Statistics by Volume Record)
- Type 30 (JOB/Step Statistics Record - Interval Accounting records are highly desirable)
- Type 32 (TSO/E Command Statistics Record)
- Type 64 (VSAM CLOSE Statistics)

Collecting RMF Records

The collection of RMF records is controlled by `SYS1.PARMLIB` member `ERBRMFxx`. The CIMS Capacity Planner system requires the following RMF Record Types:

- Type 70 (CPU Utilization Record)
- Type 71 (Paging Activity Record)
- Type 72 (Workload Record)
- Type 73 (Channel Activity Record)
- Type 74 (Device Activity Record)
- Type 75 (Page/Swap Data Set Activity Record)
- Type 77 (ENQ Conflict Record)

Unloading SMF Clusters

Although most sites already have procedures in place to unload their SMF clusters, a sample procedure is included in the SMFDUMP member in CPPR.JCL.CNTL.

You should examine the JCL provided in SMFDUMP for a suggested method to include the workload data reduction phase into the normal SMF cluster unload procedure.

The first step of the procedure unloads the SMF cluster into a work data set. The second step copies the SMF data from the work file to a generation data group as is the normal procedure. The third step executes the CIMS Capacity Planner workload data reduction program using the SMF data contained in the work file as input. The fourth step de-allocates the work file.

Step 5: Run the Workload Data Reduction

To run the Workload data reduction, edit the DWKLPROD member in CPPR.CNTL as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change the DSN in the SYSUT1 DD statement to refer to the SMF data to be processed.
- 3 Change the UNIT=SYSDA parameter, if required.
- 4 If you are using TMON/OS/390 data in place of RMF, the following statements must be included in the SYSIN parameters:

```
RMF RECORDS=EXCLUDE  
SMFILE=TMVS
```

- 5 If you are using input from the VM Monitor, you must include the following SYSIN parameter:

```
SMFILE=VMON
```
- 6 Replace the JOB statement with a one that is valid for your installation and submit the job for execution.

To view the DWKLPROD JCL, see [DWKLPROD](#) on page A-62.

Step 6: Run the Workload Reports

To run workload reports, edit the DWKLREPT member in CPPR.CNTL as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Modify the BEGIN DATE and END DATE.
- 3 Substitute meaningful DSNAME= and VOLSER= arguments under the DSNAME DETAIL REPORT=YES parameter, or change the three lines related to the DSNAME DETAIL REPORT to comments by inserting an asterisk (*) in the first character in each statement.

- 4 If you are not running ESA, comment out or delete the parameters referring to the ESA Reports.
- 5 Replace the JOB statement with a one that is valid for your installation and submit the job for execution.

To view the DWKLRPT JCL, see *DWKLRPT* on page A-64.

MVS 5.x Goal Mode Support

If you are running MVS 5.x in Goal Mode, several changes to the installation instructions are necessary. These changes are:

- MVS 5.x Goal Mode does not use the IEAICSxx or IEAIPSxx members of SYS1.PARMLIB. Rather an entirely new set of files have been devised primarily to provide support for the parallel sysplex. These files are collectively known as the Coupling Data Sets. The Workload Manager uses the WLM Couple Data Set to associate Service Class names with specific performance goals. This process is best described in the IBM manual entitled *MVS/ESA SP V5 Planning: Workload Management*, and you should refer to that manual for more information.
- PGNs are no longer supported in MVS 5.x Goal Mode. They have been functionally replaced by Service Class Names. Levels of service from the RMF type 72 record (workload) now refer to Service Class Names rather than PGNs. It is therefore necessary to accommodate this change with an entirely new approach to categorizing workloads. At the same time an attempt has been made to ensure backward compatibility with past history by creating a structure that handles both cases.
- The local member in CPPR.PARMLIB still contains an association between PGNs and workload categories. In the case of MVS 5.x Goal Mode, however, these PGNs are artificial numbers that represent Service Class Names. A new PARMLIB member (&sid.SVCL) is used to associate the new Service Class Names and the old PGNs. A sample CPPRSVCL member is in CPPR.PARMLIB.
- If you do not know the Service Class Names for your installation, refer to the DWKLSVCL member in CPPR.CNTL, which allows you to produce an ad hoc report from a historical SMF file containing MVS 5.x Goal Mode record type 72 showing all active Service Class Names.
- Entries in the ad hoc report can show the same Service Class Name multiple times in any given time period. This is because MVS 5.x Goal Mode does not require that Control and Reporting Service Class Names be unique. That is, the same Service Class Name can be used both for reporting and control purposes. CIMS Capacity Planner handles this by storing the Control Service Class Name information in one table and the Reporting Service Class Name information in another table. Reports can be produced from either table.
- Once the Service Class Names are identified and classified in the &sid.SVCL member and the local member in CPPR.PARMLIB, the SMF SID can be registered and the data reduction process begun.

The DASM Subsystem

Installing the CIMS Capacity Planner DASM Subsystem consists of allocating and initializing the required disk space, customizing JCL, customizing two CPPR.PARMLIB members, and running the data reduction and reporting jobs.

Each of the required steps is described in the following sections.

Step 1: Allocate and Initialize the Data Sets (DASMINIT)

See *Allocating and Initializing the ONLINE and INDEX Data Sets* on page 1-18.

Step 2: Create the &sidDSNX Member

The Data Set Name-to-Owner Correspondence data is specified through a CPPR.PARMLIB member named &sidDSNX, where &sid is the SMF SID of the system being reported on. More than one &sidDSNX member can be specified if more than one SMF SID is used. You can find the value of the SMF SID by browsing the appropriate SMFPRMxx in SYS1.PARMLIB.

Use the sample CPPRDSNX member in CPPR.PARMLIB to create the &sidDSNX member or members. The CPPRDSNX member contains the following:

```

1. LEVEL_1      /* 1ST LEVEL NAMES TO SKIP
   PROD,TEST,P,T
2. LEVEL_2      /* 2ND LEVEL NAMES TO SKIP
   VSAM,VSAMIO*
3. LEVEL_3      /* 3RD LEVEL NAMES TO SKIP
   UNDEFINED
4. LEVEL_4      /* 4TH LEVEL NAMES TO SKIP
   UNDEFINED
5. LEVEL_5      /* 5TH LEVEL NAMES TO SKIP
   UNDEFINED
6. LEVEL_6      /* 6TH LEVEL NAMES TO SKIP
   UNDEFINED

```

A wildcard feature is available when you are using the &sidDSNX member. The VSAMIO* entry under LEVEL_2 causes all second level qualifiers beginning with VSAMIO to be skipped.

To specify the Name-to-Owner Correspondence parameters, enter your site's qualifiers at each of the appropriate levels.

Multiple qualifiers must be separated by commas. If all the entries at any level do not fit into a single line, continue onto additional lines as required by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of qualifiers that can be specified.

Naming Convention for the &sidDSNX PARMLIB Member

If the SMF SID begins with a numeric character or is less than four digits, you must follow the naming conventions specified in *Naming Conventions for Customized Data Set Members* on page 1-20.

Step 3: Edit the DASDPOOL PARMLIB Member

The DASDPOOL member in CPPR.PARMLIB is used to define the makeup of the various DASD Pools within the data center. To define the makeup of your DASD Pools, determine the titles of the Pools and the volumes that fall into each pool. Any given volume should be associated with only a single pool. CIMS Capacity Planner supports up to six pools, which are normally specified as five unique pools and OTHER.

The DASDPOOL member contains the following:

```
*****
* YOU MAY CHANGE THE LABEL, BUT MAKE SURE COLUMN 1 IS
* A NUMBER FROM 1 - 6
*****
1. SYSTEM /*THESE ARE THE SYSTEM VOL SERIAL NUMBERS
MVS*,PAG*,PGE*,SPL*,SYS*
2. TSO /*THESE ARE THE TSO VOL SERIAL NUMBERS
TSO*
3. PRODUCTION /*THESE ARE THE PRODUCTION PACKS
PRD*.SCR*,SPA*
4. TEST /* THESE ARE THE TEST VOLUMES
TST*
5. DATABASE /* THESE ARE THE DATA BASE PACKS
IDMS*
6. OTHER /* EVERYTHING ELSE GOES HERE
*
```

In specifying the pool titles, be careful to preserve the numbers and the periods in positions 1 and 2 of the parameter specification lines. Each pool name can be up to twelve characters long.

A wildcard character is supported to reduce the number of volumes that must be specified. For example, TSO* would include all volumes with volume serial numbers beginning with TSO (TSOxxx).

If all the volume serial numbers do not fit on a single line, continue onto additional lines as required by placing a comma and at least two blanks after the last entry on the line to be continued. There is no limit to the number of volumes that can be specified.

Your DASDPOOL parameters become effective at the time you save the member in CPPR.PARMLIB.

Step 4: Run the DASM Subsystem

To run the DASM subsystem, edit the DASMCOLW member in CPPR.CNTL as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change the UNIT=SYSDA parameter as necessary.
- 3 Change the Volume Ignore list as necessary.
- 4 Change the DSN Include/Exclude list as necessary.
- 5 Replace the JOB statement with a one that is valid for your installation and submit the job for execution.

To view the DASMCOLW JCL, see [DASMCOLW](#) on page A-21.

The CICS Subsystem

Installing the CIMS Capacity Planner CICS subsystem consists of allocating and initializing the required disk space, enrolling the various CICS regions, customizing JCL, customizing three CPPR.PARMLIB members, and running the data reduction and reporting jobs.

Each of the required steps is described in the following sections.

Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets

See *Allocating and Initializing the ONLINE and INDEX Data Sets* on page 1-18.

Step 2: Register the CICS Regions

Prior to collecting any CICS data, you must register each CICS system for which you want to collect data. CIMS Capacity Planner does not process data for unregistered CICS systems.

Register CICS regions in the CPPRERT (Element Registration Table) data set by running the SSA1REGC program. This program specifies via the `SELECTED SYSTEM=` parameter each of the eligible SMF SIDs for systems that can execute each specific CICS system. The CICS system identifier SMF SID is specified via the `CICSNAME=` parameter containing the name of the CICS APPLID. You can register only one CICS region in a single execution of the SSA1REGC program.

For example, if you have four systems in your data center that run five separate CICS regions, your configuration might look like this:

- CICSPROD—runs on SYS1
- CICSTEST—runs on SYS2
- CICSPAYR—runs on SYS3
- CICSACCT—runs on SYS4
- CICSEMAL—runs on SYS4

The registration procedure would appear as follows:

Register the CICSPROD System

```
//JOB      JOB
//STEP1   EXEC PGM=SSA1REGC,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3  DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN   DD *
SELECTED SYSTEM=SYS1
CICSNAME=CICSPROD
```

Register the CICSTEST System

```
//JOB      JOB
//STEP1    EXEC PGM=SSA1REGC,REGION=1024K
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
SELECTED SYSTEM=SYS2
CICSNAME=CICSTEST
```

Register the CICSPAYR System

```
//JOB      JOB
//STEP1    EXEC PGM=SSA1REGC,REGION=1024K
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
SELECTED SYSTEM=SYS3
CICSNAME=CICSPAYR
```

Register the CICSACCT System

```
//JOB      JOB
//STEP1    EXEC PGM=SSA1REGC,REGION=1024K
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
SELECTED SYSTEM=SYS4
CICSNAME=CICSACCT
```

Register the CICSEMAL System

```
//JOB      JOB
//STEP1    EXEC PGM=SSA1REGC,REGION=1024K
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
SELECTED SYSTEM=SYS4
CICSNAME=CICSEMAL
```

For the Landmark Monitor, the CICS system name that uniquely identifies a specific CICS system is limited to four characters. Thus, if the VTAM APPLID for the system is greater than four characters, the TMON system name must be different than the VTAM APPLID. To accommodate this situation, you can register the VTAM APPLID as the primary name and register the TMON system name as an ALIASNAME. Then the CICS system in question can be referred to by either name. For example, using the systems above as a point of reference, in order to register the TMON system named EMAL as an ALIASNAME for the CICS system named CICSEMAL, you would run the following job:

```
//SSACICN JOB (...), 'SSA', CLASS=A, MSGCLASS=X
//STEP1 EXEC PGM=SSA1REGC, REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB, DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT, DISP=SHR
//SYSUT3 DD DISP=(,DELETE), SPACE=(TRK,(1,1)), UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
SELECTED SYSTEM=SYS4
CICSNAME=CICSEMAL
ALIASNAME=EMAL
```

Customize the DCICNROL Member

The CPPR.CNTL data set contains the DCICNROL member that executes the SSA1REGC program. To customize DCICNROL:

- 1 Enter the VTAM APPLID in the CICSNAME= parameter.
- 2 Using the SELECTED SYSTEM= parameter, enter all the SMF System IDs under which the CICS System can operate, separated by commas. If the CICS System operates only on the system upon which the DCICNROL JOB is to be run, then enter an * for the SELECTED SYSTEM.
- 3 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 4 Delete the second step or add steps as required.
- 5 Replace the JOB statement with a one that is valid for your installation and submit the job for execution.

To view the DCICNROL JCL, see [DCICNROL](#) on page A-25.

Step 3: Customize the CICS JCL

The CPPR.CNTL data set contains the following JCL members that you can use to run the CICS subsystem. The JCL that is required depends upon the type of CICS data being used and its source.

DCICPROD

If you are using CICS 110 SMF records from the CMF (CICS Management Facility) Journal, edit the JCL in the DCICPROD member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 In ST0, substitute the proper data set name for SYSUT1.
- 3 Adjust the space allocations in the SYSUT2, SYSUT3, SORTWKnn, and SORTOUT DD statements as required.
- 4 Change the SELECTED SYSTEM= parameter to the required CICS system name (SMF SID) if the data being reduced is not from the system on which this job will be executed.
- 5 Change the UNIT=SYSDA parameters, if required.
- 6 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DCICPROD JCL, see [DCICPROD](#) on page A-26.

DCICSMF

If you process CICS 110 SMF records written to the SMF Cluster (this includes Candle CICS/OMEGAMON), edit the JCL in the DCICSMF member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 In ST0, substitute the proper data set name for SYSUT1.
- 3 Adjust the space allocations in the SYSUT2, SYSUT3, SORTWKnn, and SORTOUT DD statements as required.
- 4 Change the SELECTED SYSTEM= parameter to the required CICS system name if the data being reduced is not from the system on which this job will be executed.
- 5 Change the UNIT=SYSDA parameters if required.
- 6 You can choose to eliminate the first two steps of the job (ST0 and SORT). However, if the first two steps are eliminated, processing time might increase.
- 7 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DCICSMF JCL, see [DCICSMF](#) on page A-30.

DCICTMON

If you process Landmark TMON CICS log records, edit the JCL in the DCICTMON member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 In ST1001, substitute the proper data set name for SYSUT1 and provide the TMON load library in the STEPLIB.
- 3 Change the SELECTED SYSTEM= parameter to the required CICS system name if the data being reduced is not from the system on which this job will be executed.
- 4 Change the UNIT=SYSDA parameters if required.
- 5 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DCICTMON JCL, see [DCICTMON](#) on page A-32.

DCICREPT

Regardless of the source of your input to the CICS data reduction module, the CICS reports are produced by a common set of modules under the control of a single report driver. You can edit the report request job in the DCICREPT member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change the SELECTED SYSTEM= parameter to the required CICS system name if the data being reduced is not from the system on which this job will be executed.
- 3 Change CICSNAME to the region for which reports are to be produced.
- 4 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DCICREPT JCL, see [DCICREPT](#) on page A-28.

Step 4: Create the CICS PARMLIB Members

You need to create the following members in CPPR.PARMLIB to provide data related to Summaries by Organization, Summaries by Application, and Summaries by Response Time Thresholds. CIMS Lab provides sample members that you can use to create these members.

Note that the names of these members must contain the SMF SID (represented by &sid). The &sid must be four characters long and it must begin with an alphabetic character as specified in [Naming Conventions for Customized Data Set Members](#) on page 1-20.

The SMF SIDs are specified in SYS1.PARMLIB in member SMFPRMxx, where xx is either 00 or the operand supplied in the IPL parameter SYSP=xx.

&sidCICO—Transaction Codes for Organizations

The &sidCICO member is used by the SSA1CICE program to create the E2 graph as documented in Chapter 3 of the [CIMS Capacity Planner User Guide](#).

Use the sample CPPRCICO member in CPPR.PARMLIB to create the &sidCICO member. The CPPRCICO member contains the following:

```
1. WHOLESALE      /* 1ST TRANSACTION ORGANIZATION
   TOS*
2. RETAIL         /* 2ND TRANSACTION ORGANIZATION
   NMON
3. FINANCE       /* 3RD TRANSACTION ORGANIZATION
   ADS*
4. ACCOUNTING    /* 4TH TRANSACTION ORGANIZATION
   CS*
5. OPERATIONS    /* 5TH TRANSACTION ORGANIZATION
   TAP*
6. OTHER         /* 6TH TRANSACTION ORGANIZATION
   *
```

Edit the new &sidCICO member as follows:

- 1** Change the organization names in the member to reflect the names of your major CICS User Organizations. Generally, it is convenient to specify up to five major User Organizations and leave the last one for all others.
- 2** Replace the sample transaction types with the transaction types used by each organization. If more than one organization uses any given transaction type, specify the transaction type under the organization under which you want it summarized. Separate each transaction type by a comma.

A wildcard capability is provided to reduce the number of transaction codes that must be entered. For example, if you enter ACT*, any transaction codes beginning with the characters "ACT" (ACTGLO01, ACTGLO02, ACTFA005, etc.) is selected.

You must separate multiple transaction types by commas. If all the entries at any level do not fit into a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of transactions that can be specified.

&sidCICT—Transaction Codes for Applications

The &sidCICT member is used by the SSA1CICE program to create the E3 graph as documented in Chapter 3 of the *CIMS Capacity Planner User Guide*.

Use the sample CPPRCICT member in CPPR.PARMLIB to create the &sidCICT member. The CPPRCICT member contains the following:

1. TOSS /* 1ST TRANSACTION CLASSIFICATION
 TOS*
2. CICS /* 2ND TRANSACTION CLASSIFICATION
 NMON,CS*
3. IDMS /* 3RD TRANSACTION CLASSIFICATION
 ADS*
4. ACCOUNTING /* 4TH TRANSACTION CLASSIFICATION
 ACT*
5. MISCELLANEOUS /* 5TH TRANSACTION CLASSIFICATION
 MSC*
6. OTHER /* 6TH TRANSACTION CLASSIFICATION
 *

Edit the new &sidCICT member as follows:

- 1 Change the application names in the member to reflect the names of your major CICS applications. Generally, it is convenient to specify up to five major applications and leave the last one for all others.
- 2 Replace the sample transaction types with the transaction types used by each application. Separate each transaction type by a comma.

A wildcard capability is provided to reduce the number of transaction codes that must be entered. For example, if you enter ACT*, any transaction codes beginning with the characters "ACT" (ACTGLO01, ACTGLO02, ACTFA005, etc.) is selected.

You must separate multiple transaction types by commas. If all the entries at any level do not fit into a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of transactions that can be specified.

&sidCICR—Response Time Thresholds

The &sidCICR member is used by the SSA1CICW data reduction program, the SSA1CICR report program, and the SSA1CICE program to process response time thresholds.

Use the sample CPPRCICR member in CPPR.PARMLIB to create the &sidCICR member. You need not customize the new &sidCICR member if the response time thresholds are suitable for your installation. The CPPRCICR member contains the following:

```
1. <_.5_SEC      /* 1ST RESPONSE CLASSIFICATION
   .50
2. .5-1_SEC      /* 2ND RESPONSE CLASSIFICATION
   1.00
3. 1-2_SEC      /* 3RD RESPONSE CLASSIFICATION
   2.00
4. 2-4_SEC      /* 4TH RESPONSE CLASSIFICATION
   4.00
5. 4-6_SEC      /* 5TH RESPONSE CLASSIFICATION
   6.00
6. >_6_SEC      /* 6TH RESPONSE CLASSIFICATION
   100
```

Edit the new &sidCICR member as follows:

- 1 Change the Heading Data (the lines beginning with numbers 1 through 6) as appropriate preserving the numeral and the following period. The maximum heading length for any given threshold is eight characters.
- 2 Enter the response time thresholds for each category in seconds in the format indicated in the member threshold parameters.

Step 5: Run the CICS Data Reduction

Run the CICS data reduction job using the JCL that was customized according to the steps in *DCICPROD* on page 1-35 through *DCICTMON* on page 1-36.

Step 6: Run the CICS Reports

Run the CICS reports job using the JCL that was customized according to the steps in *DCICREPT* on page 1-36.

The IDMS Subsystem

Installing the CIMS Capacity Planner IDMS subsystem consists of allocating and initializing the required disk space, enrolling the various IDMS regions, customizing JCL, customizing three CPPR.PARMLIB members, and running the data reduction and reporting jobs.

Each of the required steps is described in the following sections.

Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets

See *Allocating and Initializing the ONLINE and INDEX Data Sets* on page 1-18.

Step 2: Register the IDMS CVs

Prior to collecting any IDMS data, you must register each IDMS CV for which you want to collect data. CIMS Capacity Planner does not process data for unregistered IDMS CVs.

Register IDMS CVs in the CPPRERT (Element Registration Table) data set by running the SSA1REGD program. This program specifies via the `SELECTED SYSTEM=` parameter each of the eligible SMF SIDs for systems that can execute each specific IDMS CV. The IDMS CV identifier is specified via a `IDMSNAME=` parameter containing the name of the IDMS CV. You can register only one IDMS CV in a single execution of the SSA1REGD program.

For example, if you have four systems in your data center that run five separate IDMS CVs, your configuration might look like this:

- IDMSCV1—runs on SYS1
- IDMSCV2—runs on SYS2
- IDMSCV3—runs on SYS3
- IDMSCV4—runs on SYS4
- IDMSCV5—runs on SYS4

The registration procedure would appear as follows:

Register the IDMSCV1 System

```
//JOB      JOB
//STEP1   EXEC PGM=SSA1REGD,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3  DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN   DD *
SELECTED SYSTEM=SYS1
IDMSNAME=IDMSCV1
```

Register the IDMSCV2 System

```
//JOB      JOB
//STEP1   EXEC PGM=SSA1REGD,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3  DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN   DD *
SELECTED SYSTEM=SYS2
IDMSNAME=IDMSCV2
```

Register the IDMSCV3 System

```
//JOB      JOB
//STEP1   EXEC PGM=SSA1REGD,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3  DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN   DD *
SELECTED SYSTEM=SYS3
IDMSNAME=IDMSCV3
```

Register the IDMSCV4 System

```
//JOB      JOB
//STEP1   EXEC PGM=SSA1REGD,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3  DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN   DD *
SELECTED SYSTEM=SYS4
IDMSNAME=IDMSCV4
```

Register the IDMSCV5 System

```
//JOB      JOB
//STEP1   EXEC PGM=SSA1REGD,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3  DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN   DD *
SELECTED SYSTEM=SYS4
IDMSNAME=IDMSCV5
```

Customize the DIDMNROL Member

The CPPR.CNTL data set contains the DIDMNROL member that executes the SSA1REGD program. To customize DIDMNROL, repeat the following procedure for each IDMS CV for which data is to be collected:

- 1 Enter the IDMS CV in the IDMSNAME= parameter.
- 2 In the Selected System= parameter, enter all the SMF SIDS under which the IDMS CV can operate, separated by commas. If the IDMS CV operates only on the system upon which the DIDMNROL job is run, then enter an * for the selected system.
- 3 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 4 Delete the second step or add steps as required.
- 5 Replace the JOB statement with a one that is valid for your installation and submit the job for execution.

To view the DIDMNROL JCL, see [DIDMNROL](#) on page A-42.

Step 3: Customize the IDMS JCL

The CPPR.CNTL data set contains the following JCL members that you can use to run the IDMS subsystem. The JCL that is required depends upon the type of IDMS data being used and its source.

DIDMPROD

If you process the IDMS system log using Type 06 records with subtype X'1C' (prior to release 10.2) or subtype 230 records from IDMS release 10.2, edit the JCL in the DIDMPROD member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 In ST1, substitute the proper data set name for SYSUT1.
- 3 Adjust the space allocations in the SYSUT3 DD statement as required.
- 4 Change the SELECTED SYSTEM= parameter to the required SMF system name if the data being reduced is not from the system on which this job will be executed.
- 5 Change the IDMSNAME= operand.
- 6 Change the UNIT=SYSDA parameters if required.
- 7 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DIDMPROD JCL, see [DIDMPROD](#) on page A-44.

DIDMPSMF

If you process IDMS to the SMF Cluster (Release 10.2), edit the JCL in the DIDMPSMF member as shown in *DIDMPROD* on page 1-42.

To view the DIDMPSMF JCL, see *DIDMPSMF* on page A-45.

DIDMPL12

If you process IDMS PERFMON data to the IDMS Log (Release 12), edit the JCL in the DIDMPL12 member as shown in *DIDMPROD* on page 1-42.

To view the DIDMPL12 JCL, see *DIDMPL12* on page A-43.

DIDML102

If the Integrated Performance Monitor is not installed with release 10.2, Task Wide statistics records (subtype 02) can be processed instead of subtype 230 records. If this is the case, edit the DIDML102 member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 In ST1, substitute the proper data set name in SYSUT1.
- 3 Change the SELECTED SYSTEM= parameter to the required SMF system name if the data being reduced is not from the system on which this job will be executed.
- 4 Change the IDMSNAME= operand.
- 5 Substitute the correct IDMSNAME= parameter.
- 6 Change the UNIT=SYSDA parameters if required.
- 7 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DIDML102 JCL, see *DIDML102* on page A-41.

DIDMREPT

Regardless of the source of your input to the IDMS data reduction module, the IDMS reports are produced by a common set of modules under the control of a single report driver. You can edit the report request job in the DIDMREPT member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change the SELECTED SYSTEM= parameter to the required SMF system name if the data being reported upon not from the system on which this JOB will be executed.
- 3 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DIDMREPT JCL, see *DIDMREPT* on page A-46.

Step 4: Create the IDMS PARMLIB Members

You need to create the following members in CPPER.PARMLIB to provide data related to Summaries by Organization, Summaries by Application, and Summaries by Response Time Thresholds. CIMS Lab provides sample members that you can use to create these members.

Note that the names of these members must contain the SMF SID (represented by &sid). The &sid must be four characters long and it must begin with an alphabetic character as specified in [Naming Conventions for Customized Data Set Members](#) on page 1-20.

The SMF SIDs are specified in SYS1.PARMLIB in member SMFPRMxx, where xx is either 00 or the operand supplied in the IPL parameter SYSP=xx.

&sidIDMO—Transaction Codes for Organizations

The &sidIDMO member is used by the SSA1IDME program to create the E6 graph as documented in Chapter 4 of the [CIMS Capacity Planner User Guide](#).

Use the sample CPPERIDMO member in CPPER.PARMLIB to create the &sidIDMO member. The CPPERIDMO member contains the following:

```
1. WHOLESALE      /* 1ST TRANSACTION ORGANIZATION
   TOS*
2. RETAIL         /* 2ND TRANSACTION ORGANIZATION
   NMON
3. FINANCE        /* 3RD TRANSACTION ORGANIZATION
   ADS*
4. ACCOUNTING     /* 4TH TRANSACTION ORGANIZATION
   CS*
5. OPERATIONS     /* 5TH TRANSACTION ORGANIZATION
   TAP*
6. OTHER          /* 6TH TRANSACTION ORGANIZATION
   *
```

Edit the new &sidIDMO member as follows:

- 1 Change the organization names in the member to reflect the names of your major IDMS user organizations. Generally, it is convenient to specify up to five major user organizations and leave the last one for all others. An organization name is limited to eight alphanumeric characters.
- 2 Replace the sample transaction types with the transaction types used by each organization. If more than one organization uses any given transaction type, specify the transaction type under the organization in which you want it summarized. Separate each transaction type by a comma.

A wildcard capability is provided to reduce the number of transaction codes that you must enter. For example, if you enter ACT*, any transaction code beginning with the characters "ACT" (ACTGL001, ACTGL002, ACTFA005, etc.) is selected.

You must separate multiple transaction types by commas. If all the entries at any level do not fit into a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of transactions types that can be specified.

&sidIDMT—Transaction Codes for Applications

The &sidIDMT member is used by the SSA1IDME program to create the E7 graph as documented in Chapter 4 of the *CIMS Capacity Planner User Guide*.

Use the sample CPPRIDMT member in CPPR.PARMLIB to create the &sidIDMT member. The CPPRIDMT member contains the following:

1. TOSS /* 1ST TRANSACTION CLASSIFICATION
 TOS*
2. CICS /* 2ND TRANSACTION CLASSIFICATION
 NMON,CS*
3. IDMS /* 3RD TRANSACTION CLASSIFICATION
 ADS*
4. ACCOUNTING /* 4TH TRANSACTION CLASSIFICATION
 ACT*
5. MISCELLANEOUS /* 5TH TRANSACTION CLASSIFICATION
 MSC*
6. OTHER /* 6TH TRANSACTION CLASSIFICATION
 *

Edit the new &sidIDMT member as follows:

- 1** Change the application names in the member to reflect the names of your major IDMS applications. Generally, it is convenient to specify up to five major applications and leave the last one for all others.
- 2** Replace the sample transaction types with the transaction types used by each application. Separate each transaction type by a comma.

A wildcard capability is provided to reduce the number of transaction codes that you must enter. For example, if you enter ACT*, any transaction code beginning with the characters "ACT" (ACTGLO01, ACTGLO02, ACTFA005, etc.) is selected.

You must separate multiple transaction types by commas. If all the entries at any level do not fit into a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of transaction types that can be specified.

&sidIDMR–Response Time Thresholds

The &sidIDMR member is used by the SSA1IDME graphing program and by the report invoked by IDMS PERFORMANCE REPORT=YES in the SSAIIDMR program.

Use the sample CPPRIDMR member in CPPR.PARMLIB to create the &sidIDMR member. You need not customize the new &sidIDMR member if the response time thresholds are suitable for your installation. The CPPRIDMR member contains the following:

```
1. <_.5_SEC      /* 1ST RESPONSE CLASSIFICATION
   .50
2. .5-1_SEC      /* 2ND RESPONSE CLASSIFICATION
   1.00
3. 1-2_SEC      /* 3RD RESPONSE CLASSIFICATION
   2.00
4. 2-4_SEC      /* 4TH RESPONSE CLASSIFICATION
   4.00
5. 4-6_SEC      /* 5TH RESPONSE CLASSIFICATION
   6.00
6. >_6_SEC      /* 6TH RESPONSE CLASSIFICATION
   100
```

Edit the new &sidIDMR member as follows:

- 1 Change the Heading Data (the lines beginning with numbers 1 through 6), as appropriate, preserving the numeral and the following period. The maximum heading length for any given threshold is eight characters.
- 2 Enter the response time thresholds for each category in seconds in the format indicated in the member threshold parameters.

Step 5: Run the IDMS Data Reduction

Run the IDMS data reduction job using the JCL that was customized according to the steps in *DIDMPROD* on page 1-42 through *DIDML102* on page 1-43.

Step 6: Run the IDMS Reports

Run the IDMS reports job using the JCL that was customized according to the steps in *DIDMREPT* on page 1-43.

The IMS Subsystem

Installing the CIMS Capacity Planner IMS subsystem consists of allocating and initializing the required disk space, enrolling the various IMS regions, customizing JCL, customizing three CPPR.PARMLIB members, and running the data reduction and reporting jobs.

Each of the required steps is described in the following sections.

Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets

See *Allocating and Initializing the ONLINE and INDEX Data Sets* on page 1-18.

Step 2: Register the IMS Regions

Prior to collecting any IMS data, you must register each IMS system for which you want to collect data. CIMS Capacity Planner does not process data for unregistered IMS systems.

Register IMS regions in the CPPRERT (Element Registration Table) by running the SSA1REGI program. This program specifies via the `SELECTED SYSTEM=` parameter each of the eligible SMF SIDS for systems that can execute each specific IMS system. The IMS system identifier is specified via a `IMS SYSTEM=` parameter containing name of the SID for the IMS system being measured. You can register only one IMS region in a single execution of the SSA1REGI program.

For example, if you have four systems in your data center that run five separate IMS regions, your configuration might look like this:

- IMS1—runs on SYS1
- IMS2—runs on SYS2
- IMS3—runs on SYS3
- IMS4—runs on SYS4
- IMS5—runs on SYS4

The registration procedure would appear as follows:

Register the IMS1 System

```
//JOB      JOB
//STEP1   EXEC PGM=SSA1REGI,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3  DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN   DD *
SELECTED SYSTEM=SYS1
IMS SYSTEM=IMS1
```

Register the IMS2 System

```
//JOB      JOB
//STEP1    EXEC PGM=SSAIREGI,REGION=1024K
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
SELECTED SYSTEM=SYS2
IMS SYSTEM=IMS2
```

Register the IMS3 System

```
//JOB      JOB
//STEP1    EXEC PGM=SSAIREGI,REGION=1024K
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
SELECTED SYSTEM=SYS3
IMS SYSTEM=IMS3
```

Register the IMS4 System

```
//JOB      JOB
//STEP1    EXEC PGM=SSAIREGI,REGION=1024K
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
SELECTED SYSTEM=SYS4
IMS SYSTEM=IMS4
```

Register the IMS5 System

```
//JOB      JOB
//STEP1    EXEC PGM=SSAIREGI,REGION=1024K
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
SELECTED SYSTEM=SYS4
IMS SYSTEM=IMS5
```

Customize the DIMSNROL Member

The CPPR.CNTL data set contains the DIMSNROL member that executes the SSA1REGI program. To customize DIMSNROL, repeat the following procedure for each IMS region for which data is to be collected:

- 1 Enter the IMS SID in the IMS SYSTEM= parameter.
- 2 In the Selected System= parameter, enter all the SMF SIDs under which the IMS system can operate, separated by commas. If the IMS system operates only on the system upon which the DIMSNROL job is run, then enter an * for the selected system.
- 3 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 4 Delete the second step or add steps as required.
- 5 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DIMSNROL JCL, see [DIMSNROL](#) on page A-49.

Step 3: Customize the IMS JCL

The CPPR.CNTL data set contains the following sample JCL members that you can customize to run the IMS subsystem.

DIMSPROD

If you process the IMS system log, edit the JCL in the DIMSPROD member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 In ST01, substitute the proper data set name for the SMF data set in SYSUT1.
- 3 In ST02, substitute the proper data set name for the IMS log data set in SYSUT1.
- 4 In ST01 and ST02, adjust the space allocations in the SYSUT2 DD statements as required.
- 5 Change the SELECTED SYSTEM= parameter to the required SMF system name if the data being reduced is not from the system on which this job will be executed.
- 6 Change the UNIT=SYSDA parameters as required.
- 7 Enter the correct region names for the IMS CONTROL=, DBRC REGION=, DLI REGION=, DSNMSTR REGION=, and DSNDBM1 REGION= parameters.
- 8 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DIMSPROD JCL, see [DIMSPROD](#) on page A-50.

DIMSREPT

Regardless of the source of your input to the IMS data reduction module, the IMS reports are produced by a common set of modules under the control of a single report driver. You can edit the report request job in the DIMSREPT member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change the SELECTED SYSTEM= parameter to the required SMF system name if the data being reported upon is not from the system on which this job will be executed.
- 3 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DIMSREPT JCL, see [DIMSREPT](#) on page A-54.

Step 4: Create the IMS PARMLIB Members

You need to create the following members in CPPR.PARMLIB to provide data related to Summaries by Organization, Summaries by Application, and Summaries by Response Time Thresholds. CIMS Lab provides sample members that you can use to create these members.

Note that the names of these members must contain the SMF SID (represented by &sid). The &sid must be four characters long and it must begin with an alphabetic character as specified in [Naming Conventions for Customized Data Set Members](#) on page 1-20.

The SMF SIDs are specified in SYS1.PARMLIB in member SMFPRMxx, where xx is either 00 or the operand supplied in the IPL parameter SYSP=xx.

&sidIMS0—Transaction Codes for Organizations

The &sidIMS0 member is used by the SSA1IMSE program to create the 9B graph as documented in Chapter 6 of the [CIMS Capacity Planner User Guide](#).

Use the sample CPPRIMS0 member in CPPR.PARMLIB to create the &sidIMS0 member. The CPPRIMS0 member contains the following:

- | | |
|---------------|---------------------------------|
| 1. WHOLESALE | /* 1ST TRANSACTION ORGANIZATION |
| TOS* | |
| 2. RETAIL | /* 2ND TRANSACTION ORGANIZATION |
| NMON | |
| 3. FINANCE | /* 3RD TRANSACTION ORGANIZATION |
| ADS* | |
| 4. ACCOUNTING | /* 4TH TRANSACTION ORGANIZATION |
| CS* | |
| 5. OPERATIONS | /* 5TH TRANSACTION ORGANIZATION |
| TAP* | |
| 6. OTHER | /* 6TH TRANSACTION ORGANIZATION |
| * | |

Edit the &sidIMSO member as follows:

- 1 Change the organization names in the member to reflect the names of your major IMS user organizations. Generally, it is convenient to specify up to five major user organizations and leave the last one for all others. An organization name is limited to eight alphanumeric characters.
- 2 Replace the sample transaction types with the transaction types used by each organization. If more than one organization uses any given transaction type, specify the transaction type under the organization in which you want it summarized. Separate each transaction type by a comma.

A wildcard capability is provided to reduce the number of transaction codes that you must enter. For example, if you enter ACT*, any transaction code beginning with the characters "ACT" (ACTGLO01, ACTGLO02, ACTFA005, etc.) is selected.

You must separate multiple transaction types by commas. If all the entries at any level do not fit into a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of transactions types that can be specified.

&sidIMST—Transaction Codes for Applications

The &sidIMST member is used by the SSA1IMSE program to create the 9C graph as documented in Chapter 6 of the *CIMS Capacity Planner User Guide*.

Use the sample CPPRIMST member in CPPR.PARMLIB to create the &sidIMST member. The CPPRIMST member contains the following:

- | | |
|------------------|-----------------------------------|
| 1. TOSS | /* 1ST TRANSACTION CLASSIFICATION |
| TOS* | |
| 2. CICS | /* 2ND TRANSACTION CLASSIFICATION |
| NMON,CS* | |
| 3. IDMS | /* 3RD TRANSACTION CLASSIFICATION |
| ADS* | |
| 4. ACCOUNTING | /* 4TH TRANSACTION CLASSIFICATION |
| ACT* | |
| 5. MISCELLANEOUS | /* 5TH TRANSACTION CLASSIFICATION |
| MSC* | |
| 6. OTHER | /* 6TH TRANSACTION CLASSIFICATION |
| * | |

Edit the new &sidIMST member as follows:

- 1 Change the application names in the member to reflect the names of your major IMS applications. Generally, it is convenient to specify up to five major applications and leave the last one for all others.
- 2 Replace the sample transaction types with the transaction types used by each application. Separate each transaction type by a comma.

A wildcard capability is provided to reduce the number of transaction codes that you must enter. For example, if you enter ACT*, any transaction code beginning with the characters "ACT" (ACTGLO01, ACTGLO02, ACTFA005, etc.) is selected.

You must separate multiple transaction types by commas. If all the entries at any level do not fit into a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of transaction types that can be specified.

&sidIMSR—Response Time Thresholds

The &sidIMSR member is used by the SSA1IMSE graphing program and by the report invoked by IMS PERFORMANCE REPORT=YES in the SSAIMSR program.

The &sidIDMR member

Use the sample CPPRIMSR member in CPPR.PARMLIB to create the &sidIMSR member. You need not customize the new &sidIMSR member if the response time thresholds are suitable for your installation. The CPPRIMSR member contains the following:

1. <_.5_SEC /* 1ST RESPONSE CLASSIFICATION
 .50
2. .5-1_SEC /* 2ND RESPONSE CLASSIFICATION
 1.00
3. 1-2_SEC /* 3RD RESPONSE CLASSIFICATION
 2.00
4. 2-4_SEC /* 4TH RESPONSE CLASSIFICATION
 4.00
5. 4-6_SEC /* 5TH RESPONSE CLASSIFICATION
 6.00
6. >_6_SEC /* 6TH RESPONSE CLASSIFICATION
 100

Edit the new &sidIMSR member as follows:

- 1** Change the Heading Data (the lines beginning with numbers 1 through 6), as appropriate, preserving the numeral and the following period. The maximum heading length for any given threshold is eight characters.
- 2** Enter the response time thresholds for each category in seconds in the format indicated in the member threshold parameters.

Step 5: Run the IMS Data Reduction

Run the IMS data reduction job using the JCL that was customized according to the steps in *DIMSPROD* on page 1-49.

Step 6: Run the IMS Reports

Run the IMS reports job using the JCL that was customized according to the steps in *DIMSREPT* on page 1-50.

The DB2 Subsystem

Installing the CIMS Capacity Planner DB2 subsystem consists of allocating and initializing the required disk space, enrolling the various DB2 regions, customizing JCL, customizing three CPPR.PARMLIB members, and running the data reduction and reporting jobs.

Each of the required steps is described in the following sections:

Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets

See [Allocating and Initializing the ONLINE and INDEX Data Sets](#) on page 1-18.

Step 2: Register the DB2 Systems

Prior to collecting any DB2 data, you must register each DB2 system for which you want to collect data. CIMS Capacity Planner does not process data for unregistered DB2 systems.

Register DB2 systems in the CPPRERT (Element Registration Table) by running the SSA1REGR program. This program specifies via the `SELECTED SYSTEM=` parameter each of the eligible SMF SIDs for systems that can execute each specific DB2 system. The DB2 system name is specified via a `DB2 SUBSYSTEM NAME=` parameter containing the name of the SID for the DB2 system being measured. You can register only one DB2 system in a single execution of the SSA1REGR program.

For example, if you have two systems that run DB2 in your data center, your configuration might look like this:

- DB2P—runs on SYS1
- DB2T—runs on SYS2

The registration procedure would appear as follows:

Register the DB2P System

```
//JOB      JOB
//STEP1   EXEC PGM=SSA1REGR,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3  DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN   DD *
SELECTED SYSTEM=SYS1
DB2 SUBSYSTEM NAME=DB2P
```

Register the DB2T System

```
//JOB      JOB
//STEP1    EXEC PGM=SSA1REGR,REGION=1024K
//STEPLIB  DD  DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT  DD  DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3   DD  DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD  SYSOUT=*
//SYSIN    DD  *
SELECTED SYSTEM=SYS2
DB2 SUBSYSTEM NAME=DB2T
```

Customize the DDB2NRL1 Member

The CPPR.CNTL data set contains the DDB2NRL1 member that executes the SSA1REGR program. To customize DDB2NRL1, repeat the following procedure for each DB2 region for which data is to be collected:

- 1 Enter the DB2 system name in the DB2 SUBSYSTEM NAME= parameter.
- 2 In the Selected System= parameter, enter all the SMF SIDs under which the DB2 system can operate, separated by commas. If the DB2 system operates only on the system upon which the DDB2NROL job is run, then enter an * for the selected system.
- 3 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 4 Delete the second step or add steps, as required.
- 5 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DDB2NRL1 JCL, see [DDB2NRL1](#) on page A-36.

Step 3: Register the DB2 Connect Names

Register each of the DB2 connect names in the data center in the CPPRERT (Element Registration Table) by running the SSA1REGB program. Data for any unregistered DB2 connectors is grouped together into a single entity named "**OTHER" and can be reported upon specifying DB2NAME=**OTHER. This can be useful when processing data for test regions, for example. You can register only one DB2 connect names in a single execution of the SSA1REGB program.

For example, if you have two systems in the data center and you have three separate DB2 connectors, your configuration might look like this:

- CICSPROD—runs on SYS1
- CICSTEST—runs on SYS2
- CICSPAYR—runs on SYS2

Customize the DDB2NRL2 Member

The CPPR.CNTL data set contains the DDB2NRL2 member that executes the SSA1REGB program. To customize DDB2NRL2, repeat the following procedure for each DB2 connect name:

- 1 Enter the DB2 connect name in the DB2NAME= parameter.
- 2 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 3 Delete the second step or add steps, as required.
- 4 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DDB2NRL2 JCL, see [DDB2NRL2](#) on page A-37.

Step 4: Customize the DB2 JCL

The CPPR.CNTL data set contains the following sample JCL members that you can customize to run the DB2 subsystem.

DDB2PROD

Edit the JCL in the DDB2PROD member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 In ST1, substitute the proper data set name for the SMF data set in SYSUT1.
- 3 Change the SELECTED SYSTEM= parameter to the required SMF system name.
- 4 Change the UNIT=SYSDA parameters as required.
- 5 Enter the correct DB2 SUBSYSTEM NAME= parameter.
- 6 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DDB2PROD JCL, see [DDB2PROD](#) on page A-38.

DDB2REPT

Regardless of the source of your input to the DB2 data reduction module, the DB2 reports are produced by a common set of modules under the control of a single report driver. You can edit the report request job in the DDB2REPT member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change the SELECTED SYSTEM= parameter to the required SMF system name.
- 3 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DDB2REPT JCL, see [DDB2REPT](#) on page A-39.

Step 5: Create the DB2 PARMLIB Member

You need to create the following member in CPPR.PARMLIB to provide data related to Response Time Thresholds. CIMS Lab provides a sample member that you can use to create this member.

Note that the name of the member must contain the SMF SID (represented by &sid). The &sid must be four characters long and it must begin with an alphabetic character as specified in [Naming Conventions for Customized Data Set Members](#) on page 1-20.

The SMF SIDs are specified in SYS1.PARMLIB in member SMFPRMxx, where xx is either 00 or the operand supplied in the IPL parameter SYSP=xx.

&sidDB2R—Response Time Thresholds

The &sidDB2R member is used by the report invoked by DB2 CONNECTION:PLAN PERFORMANCE REPORT=YES and DB2 CONNECTION:AUTH-ID PERFORMANCE REPORT=YES in the SSA1DB2R program.

Create a new CPPR.PARMLIB member named &sidDB2R by copying the member CPPRDB2R. You need not customize the new &sidDB2R member if the response time thresholds are suitable for your installation.

The CPPRIMSR member contains the following:

1. <.5_SEC /* 1ST RESPONSE CLASSIFICATION
.50
2. .5-1_SEC /* 2ND RESPONSE CLASSIFICATION
1.00
3. 1-2_SEC /* 3RD RESPONSE CLASSIFICATION
2.00
4. 2-4_SEC /* 4TH RESPONSE CLASSIFICATION
4.00
5. 4-6_SEC /* 5TH RESPONSE CLASSIFICATION
6.00
6. >6_SEC /* 6TH RESPONSE CLASSIFICATION
100

Edit the new &sidDB2R member as follows:

- 1 Change the Heading Data (the lines beginning with numbers 1 through 6), as appropriate, preserving the numeral and the following period. The maximum heading length for any given threshold is eight characters.
- 2 Enter the response time thresholds for each category in seconds in the format indicated in the member threshold parameters.

Step 6: Run the DB2 Data Reduction

Run the DB2 data reduction job using the JCL that was customized according to the steps in *DDB2PROD* on page 1-55.

Step 7: Run the DB2 Reports

Run the DB2 reports job using the JCL that was customized according to the steps in *DDB2REPT* on page 1-56.

The Model 204 Subsystem

Installing the CIMS Capacity Planner Model 204 Subsystem consists of allocating and initializing the required disk space, customizing JCL, customizing three CPPR.PARMLIB members, and running the data reduction and reporting jobs.

Each of the required steps is described in the following sections.

Note • Unlike other CIMS Capacity Planner subsystems, Model 204 does not require an element registration step.

Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets

See *Allocating and Initializing the ONLINE and INDEX Data Sets* on page 1-18.

Step 2: Customize the Model 204 JCL

The CPPR.CNTL data set contains the following sample JCL members that you can customize to run the Model 204 subsystem.

D204PROD

Edit the JCL in the D204PROD member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Substitute the proper data set name for the M204 input data set in SYSUT1.
- 3 Change the SELECTED SYSTEM= parameter to the required **SMF** system name.
- 4 Change the UNIT=SYSDA parameters, if required.
- 5 Uncomment the SMFILE= parameter that describes the source of the M204 Journal data that is being processed by the data reduction program.
- 6 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the D204PROD JCL, see *D204PROD* on page A-18.

D204REPT

Regardless of the source of your input to the M204 data reduction module, the M204 reports are produced by a common set of modules under the control of a single report driver. You can edit the report request job in the D204REPT member as follows:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change the SELECTED SYSTEM= parameter to the required SMF System name.
- 3 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the D204REPT JCL, see [D204REPT](#) on page A-19.

Step 3: Customize Model 204 PARMLIB Members

You need to create the following members in CPPR.PARMLIB to provide data related to Summaries by Organization, Summaries by Application, and Summaries by Response Time Thresholds CIMS Lab provides sample members that you can use to create these members.

Note that the names of these members must contain the SMF SID (represented by &sid). The &sid must be four characters long and it must begin with an alphabetic character as specified in [Naming Conventions for Customized Data Set Members](#) on page 1-20.

The SMF SIDs are specified in SYS1.PARMLIB in member SMFPRMxx, where xx is either 00 or the operand supplied in the IPL parameter SYSP=xx.

&sid2040–USERIDs for Organizations

The &sid2040 member is used by the SSA1M20E program to create the MB graph as documented in Chapter 10 of the [CIMS Capacity Planner User Guide](#).

Use the sample CPPR2040 member in CPPR.PARMLIB to create the &sid2040 member. The CPPR2040 member contains the following:

- ```

1. WHOLESALE /* 1ST TRANSACTION ORGANIZATION
 TOS*
2. RETAIL /* 2ND TRANSACTION ORGANIZATION
 NMON
3. FINANCE /* 3RD TRANSACTION ORGANIZATION
 ADS*
4. ACCOUNTING /* 4TH TRANSACTION ORGANIZATION
 CS*
5. OPERATIONS /* 5TH TRANSACTION ORGANIZATION
 TAP*
6. OTHER /* 6TH TRANSACTION ORGANIZATION
 *

```

Edt the &sid2040 member as follows:

- 1 Change the organization names in the member to reflect the names of your major M204 user organizations. Generally, it is convenient to specify up to five major user organizations and leave the last one for all others. An organization name is limited to eight alphanumeric characters.
- 2 Replace the sample transaction types with the transaction types used by each organization. If more than one organization uses any given transaction type, specify the transaction type under the organization in which you want it summarized. Separate each transaction type by a comma.

A wildcard capability is provided to reduce the number of USERIDs that you must enter. For example, if you enter ACT\*, any USERID beginning with the characters "ACT" (ACTGL001, ACTGL002, ACTFA005, etc.) is selected.

You must separate multiple transaction types by commas. If all the entries at any level do not fit into a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of transactions types that can be specified.

### **&sid204T–USERIDS for Applications**

The &sid204T member is used by the SSA1M20E program to create the MC graph as documented in Chapter 10 of the *CIMS Capacity Planner User Guide*.

Use the sample CPPR204T member in CPPR.PARMLIB to create the &sid204T member. The CPPR204T member contains the following:

```
1. TOSS /* 1ST TRANSACTION CLASSIFICATION
 TOS*
2. CICS /* 2ND TRANSACTION CLASSIFICATION
 NMON,CS*
3. IDMS /* 3RD TRANSACTION CLASSIFICATION
 ADS*
4. ACCOUNTING /* 4TH TRANSACTION CLASSIFICATION
 ACT*
5. MISCELLANEOUS /* 5TH TRANSACTION CLASSIFICATION
 MSC*
6. OTHER /* 6TH TRANSACTION CLASSIFICATION
 *
```

Edit the new &sid204T member as follows:

- 1 Change the application names in the member to reflect the names of your major M204 applications. Generally, it is convenient to specify up to five major applications and leave the last one for all others.
- 2 Replace the sample transaction types with the transaction types used by each application. Separate each transaction type by a comma.

A wildcard capability is provided to reduce the number of USERIDs that you must enter. For example, if you enter ACT\*, any USERID beginning with the characters "ACT" (ACTGL001, ACTGL002, ACTFA005, etc.) is selected.

You must separate multiple transaction types by commas. If all the entries at any level do not fit into a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of transaction types that can be specified.

### **&sid204R—Response Time Thresholds**

The &sid204R member is used by the SSA1M20E graphing program and by the report invoked by M204 PERFORMANCE REPORT=YES in the SSA1M20R program.

Use the sample CPPR204R member in CPPR.PARMLIB to create the &sid204R member. You need not customize the new &sid204R member if the response time thresholds are suitable for your installation. The CPPR204R member contains the following:

```

1. <_.5_SEC /* 1ST RESPONSE CLASSIFICATION
 .50
2. .5-1_SEC /* 2ND RESPONSE CLASSIFICATION
 1.00
3. 1-2_SEC /* 3RD RESPONSE CLASSIFICATION
 2.00
4. 2-4_SEC /* 4TH RESPONSE CLASSIFICATION
 4.00
5. 4-6_SEC /* 5TH RESPONSE CLASSIFICATION
 6.00
6. >_6_SEC /* 6TH RESPONSE CLASSIFICATION
 100

```

Edit the &sid204R member as follows:

- 1** Change the Heading Data (the lines beginning with numbers 1 through 6), as appropriate, preserving the numeral and the following period. The maximum heading length for any given threshold is eight characters.
- 2** Enter the response time thresholds for each category in seconds in the format indicated in the member threshold parameters.

## **Step 4: Run the Model 204 Data Reduction**

Run the Model 204 data reduction job using the JCL that was customized according to the steps in *D204PROD* on page 1-58.

## **Step 5: Run the Model 204 Reports**

Run the Model 204 reports job using the JCL that was customized according to the steps in *D204REPT* on page 1-59.

## The Network Subsystem

Installing the CIMS Capacity Planner Network Subsystem consists of allocating and initializing the required disk space, enrolling the various Network regions, customizing JCL, customizing three CPPR.PARMLIB members, and running the data reduction and reporting jobs.

Each of the required steps is described in the following sections.

### Step 1: Allocate and Initialize the ONLINE and INDEX Data Sets

See *Allocating and Initializing the ONLINE and INDEX Data Sets* on page 1-18.

### Step 2: Register the VTAM APPLIDs

Prior to collecting any Network data, you must register each VTAM APPLID for which you want to collect data. CIMS Capacity Planner does not process data for unregistered VTAM APPLIDs.

Register VTAM APPLIDs in the CPPRERT (Element Registration Table) by running the SSA1REGN program. This program specifies via the `SELECTED SYSTEM=` parameter each of the eligible SMF SIDs for systems that can execute each specific VTAM APPLID. The VTAM APPLID is specified via a `VTAMNAME=` parameter containing the name of the VTAM APPLID being measured. You can register only one VTAM APPLID in a single execution of the SSA1REGN program.

For example, if you have four Systems that run five separate VTAM APPLIDs in your data center, your configuration might look like this:

- CICSPROD—runs on SYS1
- CICSTEST—runs on SYS2
- CICSPAYR—runs on SYS3
- CICSACCT—runs on SYS4
- CICSEMAL—runs on SYS4

The registration procedure would appear as follows:

#### **Register the CICSPROD System**

```
//JOB JOB
//STEP1 EXEC PGM=SSA1REGN,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3 DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
SELECTED SYSTEM=SYS1
VTAMNAME=CICSPROD
```



### Register the CICSTEST System

```
//JOB JOB
//STEP1 EXEC PGM=SSA1REGN,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3 DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
SELECTED SYSTEM=SYS2
VTAMNAME=CICSTEST
```

### Register the CICSPAYR System

```
//JOB JOB
//STEP1 EXEC PGM=SSA1REGN,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3 DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
SELECTED SYSTEM=SYS3
VTAMNAME=CICSPAYR
```

### Register the CICSACCT System

```
//JOB JOB
//STEP1 EXEC PGM=SSA1REGN,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3 DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
SELECTED SYSTEM=SYS4
VTAMNAME=CICSACCT
```

### Register the CICSEMAL System

```
//JOB JOB
//STEP1 EXEC PGM=SSA1REGN,REGION=1024K
//STEPLIB DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRERT DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR
//SYSUT3 DD DISP=(,DELETE),SPACE=(TRK,(1,1)),UNIT=SYSDA
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
SELECTED SYSTEM=SYS4
VTAMNAME=CICSEMAL
```

### Customize the DNETNROL Member

The CPPR.CNTL data set contains the DNETNROL member that executes the SSA1REGN program. To customize DNETNROL, repeat the following procedure for each VTAM APPLID for which data is to be collected:

- 1 Enter the VTAM APPLID in the VTAMNAME= parameter.
- 2 In the Selected System= parameter, enter all the SMF SIDS under which the VTAM APPLID can operate, separated by commas. If the VTAM APPLID operates only on the system upon which the DNETNROL job is run, then enter an \* for the selected system.
- 3 Change &PREFIX to the high-level qualifier of your CIMS Capacity Planner installation.
- 4 Delete the second step or add steps, as required.
- 5 Replace the JOB statement with one that is valid for your installation and submit the job for execution.

To view the DNETNROL JCL, see [DNETNROL](#) on page A-56.

## Step 3: Customize the Network JCL

The CPPR.CNTL data set contains the following sample JCL members that you can customize to run the Network subsystem.

### DNETPROD

The DNETPROD member is used as a model to customize the Network data reduction job that is used regardless of the source of the records being input to the Network subsystem data reduction.

To edit the DNETPROD member:

- 1 Change &PREFIX to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Adjust the space allocation in the SYSUT3 DD statement, as required. The space allocated to the SYSUT3 data set should be at least as much as the allocation for the ONLINE data set.
- 3 Change the SELECTED SYSTEM= parameter to the required SMF system name if the data being reduced is not from the system on which this JOB will be executed.
- 4 Change the UNIT=SYSDA parameters, if required.
- 5 If you choose to limit the data reduction to a single APPLID, specify the APPLID via the VTAMNAME= parameter. If no APPLID is specified via the VTAMNAME parameter, all registered VTAM APPLIDs are processed.
- 6 If you are processing records from the NETSPY log, Netview (any Netview record source), or the Network Performance Monitor - NPM (any NPM record source); comment out the FILTER=39 statement by inserting an asterisk (\*) in column 1.

- 7 Uncomment the `SMFILE=` parameter that describes your source of input to the Network data reduction program by removing the `*` from the first column of the statement.
- 8 Replace the `JOB` statement with one that is valid for your installation and submit the job for execution.

To view the `DNETPROD JCL`, see [DNETPROD](#) on page A-57.

## DNETREPT

Regardless of the source of your input to the Network data reduction module, the Network reports are produced by a common set of modules under the control of a single report driver. You can edit the report request job in the `DNETREPT` member as follows:

- 1 Change `&PREFIX` to the high-level qualifier for your CIMS Capacity Planner installation.
- 2 Change the `SELECTED SYSTEM=` parameter to the required SMF system name.
- 3 Customize the `NETWORK TERMINAL NAME=` and the `EXCLUDE` parameters according to the instructions in the Chapter 5 of the [CIMS Capacity Planner User Guide](#) or delete them entirely.
- 4 Replace the `JOB` statement with one that is valid for your installation and submit the job for execution.

To view the `DNETREPT JCL`, see [DNETREPT](#) on page A-58.

## Step 4: Customize Network PARMLIB Members

You need to create the following members in `CPPR.PARMLIB` to provide data related to Summaries by Logical Line Groups, Summaries by VTAM APPLIDs, and Response Time Thresholds CIMS Lab provides sample members that you can use to create these members.

Note that the names of these members must contain the SMF SID (represented by `&sid`). The `&sid` must be four characters long and it must begin with an alphabetic character as specified in [Naming Conventions for Customized Data Set Members](#) on page 1-20.

The SMF SIDs are specified in `SYS1.PARMLIB` in member `SMFPRMxx`, where `xx` is either `00` or the operand supplied in the IPL parameter `SYSP=xx`.

## **&sidNETL—Logical Line Groups**

Using the sample CPPRNETL member to create the &sidNETL member. The CPPRNETL member contains the following:

1. PRINTERS                    /\* 1ST LINE GROUP  
   P\*
2. NETM\_A                    /\* 2ND LINE GROUP  
   NMMFA\*
3. NETM\_B                    /\* 3RD LINE GROUP  
   NMMFB\*
4. NETM\_C                    /\* 4TH LINE GROUP  
   NMMFC\*
5. NOGALES                  /\* 5TH LINE GROUP  
   T02NM\*
6. SINGAPORE                /\* 6TH LINE GROUP  
   T03S\*,T03X\*

Edit the new &sidNETL member as follows:

- 1** Change the line group names in the model to reflect the names of your major logical line groups. Although you can change the names of the logical line groups, the numbers from 1 to 6 and the periods immediately following must be preserved. Each name can be up to eight characters long.
- 2** Replace the sample line name prefixes with the line name prefixes for each line group. Separate each Line Name Prefix By a comma, as shown in the member.

You must separate multiple line name prefixes by commas. If all the entries at any level do not fit on a single line, continue onto additional lines, as required, by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of line name prefixes that can be specified.

## **&sidNETN—Network VTAM APPLIDs**

Using the sample CPPRNETN member to create the &sidNETN member. The CPPRNETL member contains the following:

1. CICSXNET                  /\* 1ST VTAM APPLID  
   CICSXNET,A01CICS
2. CICSPROD                 /\* 2ND VTAM APPLID  
   CICSPROD,A02CICS
3. TSO                        /\* 3RD VTAM APPLID  
   TSO,A01TSO
4. CICSPAYR                 /\* 4TH VTAM APPLID  
   CICSPAYR,A03CICS
5. NETM                      /\* 5TH VTAM APPLID  
   NETM,A01NETM
6. CICSTEST                 /\* 6TH VTAM APPLID  
   CICSTEST,A04CICS,A05CICS

Edit the `&sidNETN` member as follows:

- 1 Change the summary names in the sample member to the names under which the activity related to the various APPLIDs are to be summarized (up to six).
- 2 Replace the sample APPLIDS with the APPLIDS for each summary name. Separate each APPLID by a comma, as shown in the member.

You must Separate multiple APPLIDs by commas. If all the entries at any level do not fit on a single line, continue onto additional lines as required by placing a comma followed by two blanks after the last entry on the line to be continued. There is no practical limit on the number of APPLIDs that can be specified.

### **&sidNETR—Response Time Thresholds**

The `&sidNETR` member is used by the SSA1NETE graphing program and by the report invoked by NETWORK PERFORMANCE REPORT=YES in the SSAINETR program.

Use the sample CPPRNETR member in CPPR.PARMLIB to create the `&sidNETR` member. You need not customize the new `&sidNETR` member if the response time thresholds are suitable for your installation. The CPPRNETR member contains the following:

1. `<_.5_SEC` /\* 1ST RESPONSE CLASSIFICATION  
.50
2. `.5-1_SEC` /\* 2ND RESPONSE CLASSIFICATION  
1.00
3. `1-2_SEC` /\* 3RD RESPONSE CLASSIFICATION  
2.00
4. `2-4_SEC` /\* 4TH RESPONSE CLASSIFICATION  
4.00
5. `4-6_SEC` /\* 5TH RESPONSE CLASSIFICATION  
6.00
6. `>6_SEC` /\* 6TH RESPONSE CLASSIFICATION  
100

Edit the new `&sidNETR` member as follows:

- 1 Change the Heading Data (the lines beginning with numbers 1 through 6), as appropriate, preserving the numeral and the following period. The maximum heading length for any given threshold is eight characters.
- 2 Enter the response time thresholds for each category in seconds in the format indicated in the member threshold parameters.

## **Step 5: Run the Network Data Reduction**

Run the Network data reduction job using the JCL that was customized according to the steps in *DNETPROD* on page 1-64.

## **Step 6: Run the Network Reports**

Run the Network reports job using the JCL that was customized according to the steps in *DNETREPT* on page 1-65.

## Upgrading CIMS Capacity Planner (Same Version)

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**Note** • If you are upgrading from CIMS Capacity Planner 5.1 or 5.2 to 5.3, this section is not applicable. You cannot perform the maintenance updates described in this section across versions.

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If you are upgrading from one genlevel of CIMS Capacity Planner 5.3 to a new genlevel of 5.3, download the self-extracting file `cpprupdt_<genleveldate>.exe`. This file is located:

- On the CIMS Product CD—in the CIMSPPR folder.
- On the CIMS Lab Web—on the **Downloads ▶ CIMS Capacity Planner** page under **CIMS Capacity Planner Product Updates**.

The `cpprupdt_<genleveldate>.exe` file is referred to as a *maintenance update* and upgrades your current genlevel to the latest genlevel of the same version. The latest genlevel contains all updates that have been made to the product since the initial genlevel was released.

The `cpprupdt_<genleveldate>.exe` file contains a `readme` file with upgrade instructions.

---

**Note** • Maintenance updates are not available on the CIMS Product Tape.

---

### Applying Product Updates

The **Downloads ▶ CIMS Capacity Planner** page also contains *product updates* that CIMS Lab has made between genlevel builds. These updates, which are located under **CIMS Capacity Planner Product Updates**, have been added since the genlevel build was created.

Product updates are those `.exe` files that do not include `cpprupdt_` in the file name (file names that contain `cpprupdt_` represent maintenance updates).

You should download and apply all the updates that are appropriate and that have dates *later* than the installed CIMS Capacity Planner genlevel date. Each genlevel includes the updates that precede it.

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**Note** • You cannot apply product updates across versions.

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# Installation Checklist

|                                                                                    |      |
|------------------------------------------------------------------------------------|------|
| CIMS Capacity Planner Installation Checklist .....                                 | 2-2  |
| CIMS Capacity Planner Base System Traditional Checklist .....                      | 2-3  |
| CIMS Capacity Planner Base System Web Install Checklist .....                      | 2-5  |
| CIMS Capacity Planner Workload Subsystem Installation Checklist .....              | 2-7  |
| CIMS Capacity Planner DASM Subsystem Installation Checklist .....                  | 2-9  |
| CIMS Capacity Planner CICS Subsystem Installation Checklist .....                  | 2-11 |
| CIMS Capacity Planner IDMS Subsystem Installation Checklist .....                  | 2-14 |
| CIMS Capacity Planner IMS Subsystem Installation Checklist .....                   | 2-17 |
| CIMS Capacity Planner Network Subsystem Installation Checklist .....               | 2-20 |
| CIMS Capacity Planner DB2 Subsystem Installation Checklist .....                   | 2-23 |
| CIMS Capacity Planner Model 204 Subsystem Installation Checklist .....             | 2-26 |
| CIMS Capacity Planner Presentation Graphics Interface Installation Checklist ..... | 2-28 |

## **CIMS Capacity Planner Installation Checklist**

The CIMS Capacity Planner Installation Checklist is intended to simplify the installation process. A checklist is provided for each individual CIMS Capacity Planner subsystem. You need only refer to the checklists for the subsystems that you intend to use. The information required to complete the checklists is contained in *Chapter 1, Installing CIMS Capacity Planner* and by your site-specific Data Center.

If you are already a CIMS Capacity Planner user and are upgrading to a current version release of CIMS Capacity Planner, we suggest that you install the entire set of CIMS Capacity Planner libraries into a set of test PDSs and verify that all of the programs work within your existing environment before placing the current version into production. New releases of CIMS Capacity Planner are downward compatible with prior versions. That is, it should not be necessary to convert any of your CIMS Capacity Planner data sets (ONLINE, INDEX, CPPRERT, HGDLIB, and PARMLIB) to use the new version of CIMS Capacity Planner.

As always, the CNTL library distributed on the CIMS Capacity Planner tape contains model JCL for all of the subsystems and facilities provided with the CIMS Capacity Planner system. We advise that you browse through the CPPR.CNTL member named \$\$INDEX to see which new reports and features are available with this version of CIMS Capacity Planner.

The ISPF/PDF libraries on the distribution tape also reflect the most recent online facilities available through CIMS Capacity Planner. All four ISPF/PDF libraries (CPPRCLIB, CPPRMLIB, CPPRPLIB, and CPPRSLIB) must be used as a set in concert with the new LOAD library since they have certain version inter-dependencies. Note that an ISPF/PDF Tutorial is now distributed as a separate file (CPPRTLIB).

The distributed PARMLIB contains model members for each individual subsystem. Browse the library to see if any new members have been added which may apply to your environment. If you have any questions, problems or concerns with the format or contents of the installation tape, please contact CIMS Lab for further information.



# CIMS Capacity Planner Base System Traditional Checklist

This is the step-by-step checklist for installing the Base System using a cartridge.

## *To install the Base System from a cartridge*

- 1** Select a DASD Volume to hold the CIMS Capacity Planner system: \_\_\_\_\_
- 2** Select a Data Set Name Prefix for CIMS Capacity Planner: \_\_\_\_\_
- 3** Select a Generic Unit Name as necessary: SYSDA= \_\_\_\_\_
- 4** Note the SMF SID of your system(s): \_\_\_\_\_  
(SYS1.PARMLIB member SMFPRMxx)
- 5** Using IEBGENER, copy the first file of the CIMS Capacity Planner distribution tape to a CNTL PDS named: \_\_\_\_\_
- 6** Edit the Member you just created-CPPR. INSTALL(INST01):
  - Change &PREFIX to your data set name prefix \_\_\_\_\_
  - Change &VOLUME to your selected VOLSER \_\_\_\_\_
  - Change SYSDA as necessary to \_\_\_\_\_
  - Add a legitimate JOBCARD
  - Submit the job for execution
  - Verify that all of the libraries loaded correctly
  - If your DASD farm is SMS-managed, make the LOADLIB APF-Authorized
- 7** Set up the CIMS Capacity Planner ISPF Interface
  - Add the distributed CPPR.CPPRCLIB to the SYSPROC concatenation of your TSO LOGON PROC.
  - Edit the distributed CPPR.CPPRCLIB as follows:
  - Change &PREFIX in the member CPPR to your prefix.
- 8** If you are running CPPR on a FUJITSU MSP host, add the following statement at the top of the GLOBAL Member of CPPR.PARMLIB:  
SYSTEM=MSP

## ■ Installation Checklist

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### *CIMS Capacity Planner Base System Traditional Checklist*

- 9 Allocate and initialize the Base Subsystem data sets. Edit the distributed CPPR.CNTL library member DUTLINIT as follows:
  - Change &PREFIX to your prefix \_\_\_\_\_
  - Change &VOLUME to your VOLSER \_\_\_\_\_
  - Change SYSDA as necessary to \_\_\_\_\_
  - Add a legitimate JOBCARD
  - Submit the JOB for execution
  - Verify that the job ran correctly

# CIMS Capacity Planner Base System Web Install Checklist

This is the step-by-step checklist for installing the Base System using the Web install.

## *To install the Base System form the Web install*

- 1** Select a DASD Volume to hold the CIMS Capacity Planner system: \_\_\_\_\_
- 2** Select a Data Set Name Prefix for CIMS Capacity Planner: \_\_\_\_\_
- 3** Select a Generic Unit Name as necessary: SYSDA= \_\_\_\_\_
- 4** Note the SMF SID of your system(s): \_\_\_\_\_  
(SYS1.PARMLIB member SMFPRMxx)
- 5** Connect to the CIMS Lab, Inc. Web site and download the self-extracting executable, cimscppr.exe.
- 6** Execute cimscppr.exe.
- 7** Review the readme.txt file for the latest and most current installation instructions.
- 8** Transfer JCL files to the mainframe: alloc.jcl, instjoba.jcl and instjobb.
- 9** Execute alloc.jcl on the mainframe to allocate files.
- 10** Transfer sequential files from the PC to the mainframe. See readme.txt for details.
- 11** Modify and submit instjoba.jcl on the mainframe.
- 12** Modify and submit instjobb.jcl on the mainframe
- 13** Customize the linkage-editor procedure. Edit the distributed LINKJCL library member LINKPROC as follows:
  - Change &PREFIX to your data set name prefix \_\_\_\_\_
- 14** Edit the distributed LINKJCL library members INSTJOB1 and INSTJOB2 as follows:
  - Add a legitimate JOBCARD
  - Change JCLLIB statement to LINKJCL DSN \_\_\_\_\_
  - Submit the INSTJOB1 job for execution
  - Verify that all of the modules link correctly, RC=0
  - Submit the INSTJOB2 job for execution
  - Verify that all of the modules link correctly, RC=0

- 15** Set up the CIMS Capacity Planner ISPF Interface
  - Add the distributed CPPR.CPPRCLIB to the SYSPROC concatenation of your TSO LOGON PROC.
  - Edit the distributed CPPR.CPPRCLIB as follows:
  - Change &PREFIX in the member CPPR to your prefix.
- 16** If you are running CPPR on a FUJITSU MSP host, add the following statement at the top of the GLOBAL Member of CPPR.PARMLIB:  
SYSTEM=MSP
- 17** Allocate and initialize the Base Subsystem data sets. Edit the distributed CPPR.CNTL library member DUTLINIT as follows:
  - Change &PREFIX to your prefix \_\_\_\_\_
  - Change &VOLUME to your VOLSER \_\_\_\_\_
  - Change SYSDA as necessary to \_\_\_\_\_
  - Add a legitimate JOBCARD
  - Submit the JOB for execution
  - Verify that the job ran correctly

# CIMS Capacity Planner Workload Subsystem Installation Checklist

This is the step-by-step checklist for installing the CIMS Capacity Planner Workload Subsystem.

## To install the CIMS Capacity Planner Workload Subsystem

- 1 Select a Volume to hold the Workload Files:
  - ONLINE: \_\_\_\_\_
  - INDEX: \_\_\_\_\_
- 2 Allocate and initialize the Workload Subsystem data sets. Edit the distributed CPPR.CNTL library member DWKLINIT as follows:
  - Change &PREFIX to your prefix \_\_\_\_\_
  - Change &VOLUME to your VOLSER \_\_\_\_\_
  - Change SYSDA as necessary to \_\_\_\_\_
  - Add a legitimate JOBCARD
  - Submit the JOB for execution
  - Verify that the JOB ran correctly
- 3 Register the systems in the Data Center. Edit the CPPR.CNTL member DWKLNROL as follows:
  - Change &PREFIX to your prefix \_\_\_\_\_
  - Add your SMF SID(s) to the SELECTED SYSTEM= \_\_\_\_\_
  - Add a legitimate JOBCARD
  - Submit the JOB for execution
  - Verify that the JOB ran correctly
- 4 Examine SYS1.PARMLIB(IEAICSxx) to determine PGNs for:
  - ONLINE: \_\_\_\_\_
  - DATABASE: \_\_\_\_\_
  - NETWORK: \_\_\_\_\_
  - TSO: \_\_\_\_\_
  - BATCH: \_\_\_\_\_

---

**Note** • If you are running MVS 5.1 in Goal Mode, it will be necessary to associate Service Class Names with pseudo-PGNs. For details, refer to *MVS 5.x Goal Mode Support* on page 1-28.

---

**5** Edit the CPPR.PARMLIB member named GLOBAL as follows:

- Enter your Company's name in the TITLE parameter
- Change the PRIME SHIFT FIRST HOUR as appropriate
- Change the LATE SHIFT FIRST HOUR as appropriate
- Re-save the GLOBAL member

**6** Create and tailor a LOCAL member of CPPR.PARMLIB as follows

- Copy CPPR.PARMLIB(CPPR) to a new member with the name of your SMF SID. Refer to *Step 3: Set the Local Parameters (If Required)* on page 1-21.
- Edit the member to add the PGNs related to each of the applicable categories based upon the data gathered in Step 4 above.
- Save your newly created LOCAL member.

**7** Tailor the Workload JCL for your installation

Edit the CPPR.CNTL library member DWKLPROD as follows:

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as necessary to \_\_\_\_\_
- Change the SYSUT1 DD statement to point to your SMF data
- If you are using TMON/MVS and wish to use the TMON files in place of RMF, you must include the following statements in the Job stream which processes the SMF data:

```
RMF RECORDS=EXCLUDE
```

```
SMFILE=TMVS
```

- Add a legitimate JOBCARD
- Submit the JOB
- Save the updated CPPRPROD member
- Verify that job ran correctly

# CIMS Capacity Planner DASM Subsystem Installation Checklist

This is the Installation Checklist for the DASM Reporting Subsystem.

## To install the DASM Reporting Subsystem

**1** Define your DASD Storage Pools. Edit `CPPR.PARMLIB(DASDPOOL)` to define your storage pools.

- Select six pools of DASD by category
- Name the pools

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

- Select the Volumes which belong to each pool

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

**2** Tailor the `&sidDSNX` `PARMLIB` member.

Copy `CPPR.PARMLIB(CPPRDSNX)` to a member with the name of your SMF SID plus the characters `DSNX` as discussed in [Step 2: Create the `&sidDSNX` Member](#) on page 1-29. This member is used by the data reduction module of the DASM Subsystem to parse the data set names in the DASD Farm. Refer to Chapter 2 of the [CIMS Capacity Planner User Guide](#) for more information. Edit the newly created member as follows:

- Add an entry for all high level qualifiers which are to be skipped when determining the owner of a data set.
- Add an entry for all 2nd level qualifiers that are to be skipped when determining the owner of a data set if the first level qualifier is matched.
- Add an entry for all 3rd level qualifiers that are to be skipped when determining the owner of a data set if the previous qualifiers are matched.

## ■ Installation Checklist

### *CIMS Capacity Planner DASM Subsystem Installation Checklist*

---

- Add an entry for all 4th level qualifiers that are to be skipped when determining the owner of a data set if the previous qualifiers are matched.
- Add an entry for all 5th level qualifiers that are to be skipped when determining the owner of a data set if the previous qualifiers are matched.
- Add an entry for all 6th level qualifiers that are to be skipped when determining the owner of a data set if the previous qualifiers are matched.

Save the newly created member into the CPPR.PARMLIB

- 3** Allocate and initialize the DASM Subsystem data sets. Edit the distributed CPPR.CNTL library member DASMINIT as follows:
  - Change &PREFIX to your prefix \_\_\_\_\_
  - Change &VOLUME to your VOLSER \_\_\_\_\_
  - Change SYSDA as necessary to \_\_\_\_\_
  - Add a legitimate JOBCARD
  - Submit the JOB for execution
  - Verify that the job ran correctly
- 4** Tailor the DASM JCL. Edit the CPPR.CNTL member DASMCMIT as follows:
  - Change &PREFIX to your prefix \_\_\_\_\_
  - Change SYSDA as necessary to \_\_\_\_\_
  - Change the Volume Ignore list as required
  - Change the DSN Ignore/Include list as required
  - Add a legitimate JOBCARD
  - Submit the job for execution
  - Re-save the edited JCL
  - Verify that the job ran correctly
- 5** If your DASD farm is SMS-managed, and you wish to use the ISPF/PDF Interface for online reports:
  - Make sure the CIMS Capacity Planner LOADLIB is APF-Authorized
  - Modify the IKJTS000 member of SYS1.PARMLIB to include the SSA1DASM program



# CIMS Capacity Planner CICS Subsystem Installation Checklist

This is the installation checklist for the CICS data reduction and reporting subsystem.

## To install the CICS data reduction and reporting subsystem

### 1 Allocate and Initialize the CIMS Capacity Planner CICS data sets.

If you have elected to use a common set of ONLINE and INDEX data sets for the Workload and the CICS Subsystems, then you should skip to [Step 2](#) to register the CICS regions.

- Select a Volume to hold the CICS files

ONLINE: \_\_\_\_\_

INDEX: \_\_\_\_\_

- Edit the distributed CPPR.CNTL member named DCICINIT.

Change &VOLUME to your VOLSER \_\_\_\_\_

Change &PREFIX to your prefix \_\_\_\_\_

Change SYSDA as necessary to \_\_\_\_\_

Change the SPACE parameters if required

Add a legitimate JOBCARD

Submit the job for execution

Verify that the job ran correctly

### 2 Register the CICS regions.

Edit the CPPR.CNTL library member named DCICNROL to construct the element registration job. Refer to [Step 2: Register the CICS Regions](#) on page 1-32 for CICS element registration information.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as necessary to \_\_\_\_\_
- Specify your SMF IDs using SELECTED SYSTEM= \_\_\_\_\_
- Specify the CICS system using CICSNAME= \_\_\_\_\_
- Set up a separate step for each CICS region you wish to track
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

#### 3 Tailor the CICS members in CPPR.PARMLIB.

All CICS related members begin with the SMF SID followed by the characters CIC followed by a one character function identifier.

- Copy the member named CPPRCICO to a member &sidCICO. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Edit the newly created member to specify the transaction codes for each separate organization up to six.
- Copy the member named CPPRCICR to a member named &sidCICR and edit it to specify your CICS response time thresholds. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Copy the member named CPPRCICT to a member named &sidCICT and edit it to specify the CICS transaction codes for each CICS application up to six. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.

#### 4 Tailor the CICS Workload JCL.

The CICS model JCL member may be determined by reviewing *Step 3: Customize the CICS JCL* on page 1-35 or by browsing the CPPR.CNTL member named \$\$INDEX. After the member containing the model JCL has been determined, tailor it as follows:

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as required to \_\_\_\_\_
- Change SYSUT1 to point to your input
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Change CICSNAME as required to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

**5** Tailor the CICS Report JCL

The model JCL for running the CICS reports is contained in the CPPR.CNTL library member named DCICREPT.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Change the CICSNAME= to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly
- Print the reports

# CIMS Capacity Planner IDMS Subsystem Installation Checklist

This is the installation checklist for the IDMS data reduction and reporting subsystem.

## *To install the IDMS data reduction and reporting subsystem*

### **1** Allocate and Initialize the CIMS Capacity Planner IDMS data sets.

If you have elected to use a common set of ONLINE and INDEX data sets for the Workload and the IDMS Subsystems, then you should skip to the IDMS element registration Step 2 below.

- Select a Volume to hold the IDMS files

ONLINE: \_\_\_\_\_

INDEX: \_\_\_\_\_

- Edit the distributed CPPR.CNTL member named DIDMINIT

Change &VOLUME to your VOLSER \_\_\_\_\_

Change &PREFIX to your prefix \_\_\_\_\_

Change SYSDA as necessary to \_\_\_\_\_

Change the SPACE parameters if required

Add a legitimate JOBCARD

Submit the job for execution

Verify that the job ran correctly

### **2** Register the IDMS regions.

Edit the CPPR.CNTL library member named DIDMNROL to construct the element registration job. Refer to *Step 2: Register the IDMS CVs* on page 1-40 for IDMS element registration information.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as necessary to \_\_\_\_\_
- Specify your SMF IDs using SELECTED SYSTEM= \_\_\_\_\_
- Specify the IDMS system using IDMSNAME= \_\_\_\_\_
- Set up a separate step for each IDMS region you wish to track
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

### 3 Tailor the IDMS members in CPPR.PARMLIB.

All IDMS related members begin with the SMF SID followed by the characters IDM followed by a one character function identifier.

- Copy the member named CPPRIDMO to a member &sidIDMO. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Edit the newly created member to specify the transaction codes for each separate organization up to six.
- Copy the member named CPPRIDMR to a member named &sidIDMR and edit it to specify your IDMS response time thresholds. If your SMF System begins with a numeric character or is less than four characters long, refer *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Copy the member named CPPRIDMT to a member named &sidIDMT and edit it to specify the IDMS transaction codes for each IDMS application up to six. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.

### 4 Tailor the IDMS Workload JCL.

The IDMS model JCL member may be determined by reviewing *Step 3: Customize the IDMS JCL* on page 1-42 or by browsing the CPPR.CNTL member named \$\$INDEX. After the member containing the model JCL has been determined, tailor it as follows:

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as required to \_\_\_\_\_
- Change SYSUT1 to point to your input
- Change SELECTED SYSTEM= to \_\_\_\_\_
- Change IDMSNAME as required to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

**5** Tailor the IDMS Report JCL.

The model JCL for running the IDMS reports is contained in the CPPR.CNTL library member named DIDMREPT.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Change the IDMSNAME= to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly
- Print the reports

# CIMS Capacity Planner IMS Subsystem Installation Checklist

This is the installation checklist for the IMS data reduction and reporting subsystem.

## To install the IMS data reduction and reporting subsystem

### 1 Allocate and Initialize the CIMS Capacity Planner IMS data sets.

If you have elected to use a common set of ONLINE and INDEX data sets for the Workload and the IMS Subsystems, then you should skip to the IMS element registration Step 2 below).

- Select a Volume to hold the IMS files

ONLINE: \_\_\_\_\_

INDEX: \_\_\_\_\_

- Edit the distributed CPPR.CNTL member named DIMSINIT

Change &VOLUME to your VOLSER \_\_\_\_\_

Change &PREFIX to your prefix \_\_\_\_\_

Change SYSDA as necessary to \_\_\_\_\_

Change the SPACE parameters if required

Add a legitimate JOBCARD

Submit the job for execution

Verify that the job ran correctly

### 2 Register the IMS regions.

Edit the CPPR.CNTL library member named DIMSNROL to construct the element registration job. Refer to [Step 2: Register the IMS Regions](#) on page 1-47 for IMS element registration information.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as necessary to \_\_\_\_\_
- Specify your SMF IDs using SELECTED SYSTEM= \_\_\_\_\_
- Specify the IMS system using IMS SYSTEM= \_\_\_\_\_
- Set up a separate step for each IMS region you wish to track
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

#### 3 Tailor the IMS members in CPPR.PARMLIB.

All IMS related members begin with the SMF SID followed by the characters IMS followed by a one character function identifier.

- Copy the member named CPPRIMS0 to a member &sidIMS0. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Edit the newly created member to specify the transaction codes for each separate organization up to six.
- Copy the member named CPPRIMSR to a member named &sidIMSR and edit it to specify your IMS response time thresholds. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Copy the member named CPPRIMST to a member named &sidIMST and edit it to specify the IMS transaction codes for each IMS application up to six. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.

#### 4 Tailor the IMS Workload JCL

The IMS model JCL member to be used may be determined by reviewing *Step 3: Customize the IMS JCL* on page 1-49 or by browsing the CPPR.CNTL member named \$\$INDEX. After the Member containing the model JCL has been determined, tailor it as follows:

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as required to \_\_\_\_\_
- Change SYSUT1 in ST01 to point to your SMF TYPE 30 input file
- Change SYSUT1 in ST02 to point to your IMS log input file
- Change SELECTED SYSTEM= to \_\_\_\_\_
- Change IMS SYSTEM= to \_\_\_\_\_
- Change the SYSIN parameters to correspond to the region names for your IMS system. If you are not running DB2 with IMS, comment out the DSNMSTR and DSNDBM1 parameters in ST03. Otherwise, enter the respective Region Names.
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly



**5** Tailor the IMS Report JCL.

The model JCL for running the IMS reports is contained in the CPPR.CNTL library member named DIMSREPT.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Change the IMS SYSTEM= to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly
- Print the reports

# CIMS Capacity Planner Network Subsystem Installation Checklist

This is the installation checklist for the CPPR Network data reduction and reporting subsystem.

## **To install the CPPR Network data reduction and reporting subsystem**

### **1 Allocate and Initialize the CIMS Capacity Planner Network data sets.**

If you have elected to use a common set of ONLINE and INDEX data sets for the Workload and the Network Subsystems, then you should skip to the Network element registration Step 2 below.

- Select a Volume to hold the Network files

ONLINE: \_\_\_\_\_

INDEX: \_\_\_\_\_

- Edit the distributed CPPR.CNTL member named DNETINIT

Change &VOLUME to your VOLSER \_\_\_\_\_

Change &PREFIX to your prefix \_\_\_\_\_

Change SYSDA as necessary to \_\_\_\_\_

Change the SPACE parameters if required

Add a legitimate JOBCARD

Submit the job for execution

Verify that the job ran correctly

### **2 Register the Network regions.**

Edit the CPPR.CNTL library member named DNETNROL to construct the element registration job. Refer to *Step 2: Register the VTAM APPLIDs* on page 1-62 for Network (VTAM) element registration information.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as necessary to \_\_\_\_\_
- Specify your SMF IDs using SELECTED SYSTEM= \_\_\_\_\_
- Specify the VTAM APPLIDs using the VTAMNAME= \_\_\_\_\_
- Set up a separate step for each VTAM APPLID region you wish to track
- Add a legitimate JOBCARD
- Submit the job for execution and verify that the job ran correctly

### 3 Tailor the Network members in CPPR.PARMLIB.

All Network related members begin with the SMF SID followed by the characters NET followed by a one character function identifier.

- Copy the member named CPPRNETL to a member &sidNETL. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Edit the newly created member to specify the names of your line groups (up to six) and the line name prefixes associated with each line group.
- Copy the member named CPPRNETR to a member named &sidNETR and edit it to specify your Network response time thresholds. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Copy the member named CPPRNETN to a member named &sidNETN and edit it to specify the summary names under which the activity related to the various APPLIDs are to be summarized. Also, specify the APPLIDs that are to be summarized under each summary name. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.

### 4 Tailor the Network Workload JCL.

The Network model JCL member may be determined by reviewing *Step 3: Customize the Network JCL* on page 1-64 or by browsing the CPPR.CNTL member named \$\$INDEX. After the member containing the model JCL has been determined, tailor it as follows:

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as required to \_\_\_\_\_
- Change SYSUT1 to point to your input
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Change VTAMNAME= as required to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

#### 5 Tailor the Network Report JCL.

The model JCL for running the Network reports is contained in the CPPR.CNTL library member named DNETREPT.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Change the VTAMNAME= to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly
- Print the reports

# CIMS Capacity Planner DB2 Subsystem Installation Checklist

This is the installation checklist for the DB2 data reduction and reporting subsystem.

## To install the DB2 data reduction and reporting subsystem

### 1 Allocate and Initialize the CIMS Capacity Planner DB2 data sets

If you have elected to use a common set of ONLINE and INDEX data sets for the Workload and the DB2 Subsystems, then you should skip to the DB2 element registration Step 2 below).

- Select a Volume to hold the DB2 files

ONLINE: \_\_\_\_\_

INDEX: \_\_\_\_\_

- Edit the distributed CPPR.CNTL member named DDB2INIT

Change &VOLUME to your VOLSER \_\_\_\_\_

Change &PREFIX to your prefix \_\_\_\_\_

Change SYSDA as necessary to \_\_\_\_\_

Change the SPACE parameters if required

Add a legitimate JOBCARD

Submit the job for execution

Verify that the job ran correctly

### 2 Register the DB2 regions.

Edit the CPPR.CNTL library member named DDB2NRL1 to construct the element registration job. Refer to [Step 2: Register the DB2 Systems](#) on page 1-53 for DB2 element registration information.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as necessary to \_\_\_\_\_
- Specify your SMF IDs using SELECTED SYSTEM=\_\_\_\_\_
- Specify the DB2 system using DB2 SUBSYSTEM=\_\_\_\_\_
- Set up a separate step for each DB2 region you wish to track
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

#### 3 Register the DB2 Connect Names.

Edit the CPPR.CNTL library member named DDB2NRL2 to construct the connect name registration job. Refer to *Step 3: Register the DB2 Connect Names* on page 1-54 for DB2 connect name registration information.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as necessary to \_\_\_\_\_
- Specify your SMF IDs using SELECTED SYSTEM=\_\_\_\_\_
- Specify the DB2 system using DB2NAME=\_\_\_\_\_
- Set up a separate step for each DB2 Name you wish to track
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

#### 4 Tailor the DB2 members in CPPR.PARMLIB

All DB2 related members begin with the SMF SID followed by the characters DB2 followed by a one character function identifier.

- Copy the member named CPPRDB2R to a member named &sidDB2R and edit it to specify your DB2 response time thresholds. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.

#### 5 Tailor the DB2 Workload JCL

The DB2 model JCL member contained in CPPR.CNTL is named DDB2PROD. Tailor the model JCL as follows:

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as required to \_\_\_\_\_
- Change SYSUT1 to point to your input
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Change the DB2 SUBSYSTEM NAME to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

## 6 Tailor the DB2 Report JCL

The model JCL for running the DB2 reports is contained in the CPPR.CNTL library member named DDB2REPT.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Change the DB2 SUBSYSTEM NAME to \_\_\_\_\_
- Change the BEGIN DATE to \_\_\_\_\_
- Change the END DATE to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly
- Print the reports

## **CIMS Capacity Planner Model 204 Subsystem Installation Checklist**

This is the installation checklist for the Model 204 data reduction and reporting subsystem.

### **To install the Model 204 data reduction and reporting subsystem**

#### **1 Allocate and Initialize the CIMS Capacity Planner M204 data sets.**

If you have elected to use a common set of ONLINE and INDEX data sets for the Workload and the M204 Subsystems, then you should skip to Tailoring the M204 PARMLIB members. See Step 3 below.

- Select a Volume to hold the M204 files

ONLINE: \_\_\_\_\_

INDEX: \_\_\_\_\_

- Edit the distributed CPPR.CNTL member named D204INIT

Change &VOLUME to your VOLSER \_\_\_\_\_

Change &PREFIX to your prefix \_\_\_\_\_

Change SYSDA as necessary to \_\_\_\_\_

Change the SPACE parameters if required

Add a legitimate JOBCARD

Submit the job for execution

Verify that the job ran correctly

#### **2 Register the M204 regions.**

No element registration is required for the Model 204 subsystem.

#### **3 Tailor the M204 members in CPPR.PARMLIB.**

All M204 related members begin with the SMF SID followed by the characters 204 followed by a one character function identifier.

- Copy the member named CPPR2040 to a member &sid2040. If your SMF System begins with a numeric character or is less than four characters long, refer to [Naming Conventions for Customized Data Set Members](#) on page 1-20 for instructions on specifying the member name.
- Edit the newly created member to specify the transaction codes for each separate organization up to six.



- Copy the member named CPPR204R to a member named &sid204R and edit it to specify your M204 response time thresholds. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.
- Copy the member named CPPR204T to a member named &sid204T and edit it to specify the M204 transaction codes for each M204 application up to six. If your SMF System begins with a numeric character or is less than four characters long, refer to *Naming Conventions for Customized Data Set Members* on page 1-20 for instructions on specifying the member name.

#### 4 Tailor the M204 Workload JCL

The M204 model JCL is contained in member D204PROD of the CPPR.CNTL library. Tailor the JCL as follows:

- Change &PREFIX to your prefix \_\_\_\_\_
- Change SYSDA as required to \_\_\_\_\_
- Change SYSUT1 to point to your input
- Change SELECTED SYSTEM= to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly

#### 5 Tailor the M204 Report JCL.

The model JCL for running the M204 reports is contained in the CPPR.CNTL library member named D204REPT.

- Change &PREFIX to your prefix \_\_\_\_\_
- Change the SELECTED SYSTEM= to \_\_\_\_\_
- Add a legitimate JOBCARD
- Submit the job for execution
- Verify that the job ran correctly
- Print the reports

## **CIMS Capacity Planner Presentation Graphics Interface Installation Checklist**

There are many different Presentation Graphics products available for the PC, as well as the IBM host-based product GDDM. CIMS Capacity Planner provides data point members in delimited ASCII format (.CSV) which may be used as input to one or more of the following:

- MS/DOS Harvard Graphics Release 2.3 from Software Publishing
- MS/DOS Harvard Graphics Release 3 from Software Publishing
- Harvard Graphics for Windows from Software Publishing
- EXCEL from Microsoft
- Power Point from Microsoft
- Lotus Freelance
- GDDM on the MVS Host

Each data point member represents the data for a specific graph. In general, a data point member is imported into a predefined template to create the graph itself. Graph templates are available for many of the products listed above.

The data point members reside in the HGDLIB and may be processed on the MVS Host with GDDM using the ISPF/PDF interface; they may be downloaded to the PC individually; or they may be packed into a sequential file (see the description of the CIMS Capacity Planner Utility named SSA1HGDF in the Utilities section of this manual) which is then downloaded and unpacked on the PC with a CIMS Capacity Planner UNPACKER Utility.



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# Control Library JCL Examples

|                 |      |
|-----------------|------|
| \$\$INDEX ..... | A-3  |
| D204INIT .....  | A-17 |
| D204PROD .....  | A-18 |
| D204REPT .....  | A-19 |
| DASMCMIT .....  | A-20 |
| DASMCOLW .....  | A-21 |
| DASMINIT .....  | A-23 |
| DCICINIT .....  | A-24 |
| DCICNROL .....  | A-25 |
| DCICPROD .....  | A-26 |
| DCICREPT .....  | A-28 |
| DCICSMF .....   | A-30 |
| DCICTMON .....  | A-32 |
| DDB2INIT .....  | A-35 |
| DDB2NRL1 .....  | A-36 |
| DDB2NRL2 .....  | A-37 |
| DDB2PROD .....  | A-38 |
| DDB2REPT .....  | A-39 |
| DIDMINIT .....  | A-40 |
| DIDML102 .....  | A-41 |
| DIDMNROL .....  | A-42 |
| DIDMPL12 .....  | A-43 |
| DIDMPROD .....  | A-44 |

|                       |             |
|-----------------------|-------------|
| <b>DIDMPSMF .....</b> | <b>A-45</b> |
| <b>DIDMREPT .....</b> | <b>A-46</b> |
| <b>DIMSINIT .....</b> | <b>A-48</b> |
| <b>DIMSNROL .....</b> | <b>A-49</b> |
| <b>DIMSPROD .....</b> | <b>A-50</b> |
| <b>DIMSREPT .....</b> | <b>A-54</b> |
| <b>DNETINIT .....</b> | <b>A-55</b> |
| <b>DNETNROL .....</b> | <b>A-56</b> |
| <b>DNETPROD .....</b> | <b>A-57</b> |
| <b>DNETREPT .....</b> | <b>A-58</b> |
| <b>DUTLINIT .....</b> | <b>A-59</b> |
| <b>DWKLINIT .....</b> | <b>A-60</b> |
| <b>DWKLNROL .....</b> | <b>A-61</b> |
| <b>DWKLPROD .....</b> | <b>A-62</b> |
| <b>DWKLREPT .....</b> | <b>A-64</b> |

# \$\$INDEX

|          |                                                                                                                                                                                                                                  |                                                          |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
|          |                                                                                                                                                                                                                                  | 00010000                                                 |
|          | THIS IS AN INDEX TO THE DISTRIBUTION JCL LIBRARY                                                                                                                                                                                 | 00020000                                                 |
|          |                                                                                                                                                                                                                                  | 00030000                                                 |
|          | *****                                                                                                                                                                                                                            | 00040000                                                 |
| *        | CPPR INITIALIZATION AND ELEMENT REGISTRATION MEMBERS                                                                                                                                                                             | * 00050000                                               |
|          | *****                                                                                                                                                                                                                            | 00060000                                                 |
| DUTLINIT | THIS MEMBER IS USED TO ALLOCATE AND INITIALIZE THE PRIMARY<br>CPPR FILES, INCLUDING THE PERFORMANCE DATABASE, THE ELEMENT<br>REGISTRATION FILE, THE TRENDS GRAPH DATA POINT LIBRARY<br>AND THE ONLINE PERFORMANCE DATABASE INDEX | 00070000<br>00080000<br>00090000<br>00100000<br>00110000 |
| DWKLNROL | THIS MEMBER IS USED TO REGISTER ALL OF THE CPUS IN THE<br>DATA CENTER                                                                                                                                                            | 00120000<br>00130000<br>00140000                         |
| DCICNROL | THIS MEMBER REGISTERS THE CICS ADDRESS SPACES BY VTAM APPLID                                                                                                                                                                     | 00150000<br>00160000                                     |
| DIDMNROL | THIS MEMBER REGISTERS THE IDMS ADDRESS SPACES BY VTAM APPLID                                                                                                                                                                     | 00170000<br>00180000                                     |
| DIMSNROL | THIS MEMBER REGISTERS THE IMS ADDRESS SPACES BY VTAM APPLID                                                                                                                                                                      | 00190000<br>00200000                                     |
| DNETNROL | THIS MEMBER REGISTERS THE VTAM ADDRESS SPACES BY VTAM APPLID                                                                                                                                                                     | 00210000<br>00220000                                     |
| DDB2NRL1 | THIS MEMBER REGISTERS THE DB2 SUBSYSTEMS BY SUBSYSTEM NAME                                                                                                                                                                       | 00230000<br>00240000                                     |
| DDB2NRL2 | THIS MEMBER REGISTERS THE DB2 CALLING REGIONS BY CONNECT NAME                                                                                                                                                                    | 00250000<br>00260000                                     |
| REFRESH  | THIS MEMBER IS USED TO TURN THE TRIAL FLAGS BACK ON IN CASE<br>THE TRIAL NEEDS TO BE EXTENDED OR A NEW SUBSYSTEM IS<br>BEING EXAMINED                                                                                            | 00270000<br>00280000<br>00290000                         |
|          | *****                                                                                                                                                                                                                            | 00300000                                                 |
| *        | RESOURCE UTILIZATION REPORTS (ACCOUNTING SUBSYSTEM)                                                                                                                                                                              | * 00310000                                               |
|          | *****                                                                                                                                                                                                                            | 00320000                                                 |
| DACTPCSW | THIS MEMBER IS USED TO BUILD THE RESOURCE UTILIZATION<br>TABLES IN THE ACCOUNTING DATABASE                                                                                                                                       | 00330000<br>00340000<br>00350000                         |
| DACTPCSR | THIS MEMBER IS USED TO BUILD THE RESOURCE UTILIZATION<br>REPORTS FROM THE TABLES IN THE ACCOUNTING DATABASE                                                                                                                      | 00360000<br>00370000<br>00380000                         |
|          | *****                                                                                                                                                                                                                            | 00390000                                                 |
| *        | DIRECT ACCESS SPACE MANAGEMENT MEMBERS                                                                                                                                                                                           | * 00400000                                               |
|          | *****                                                                                                                                                                                                                            | 00410000                                                 |
| DASMPROD | THIS MEMBER IS USED TO SCAN THE DASD FARM AND BUILD THE<br>DASM VOLUME AND DEVICE OCCUPANCY REPORTS                                                                                                                              | 00420000<br>00430000<br>00440000                         |
| DASMCMIT | THIS MEMBER IS USED TO SCAN THE DASD FARM AND BUILD THE<br>DASM VOLUME AND DEVICE OCCUPANCY REPORTS AND TO COMMIT<br>THE TABLES TO THE ONLINE PERFORMANCE DATABASE (SAVE THEM)                                                   | 00450000<br>00460000<br>00470000<br>00480000             |
| DASMVTOC | THIS MEMBER MAPS A SPECIFIC VTOC                                                                                                                                                                                                 | 00490000                                                 |
| DASMVTO1 | THIS MEMBER MAPS A SET OF DS NAMES ON A SET OF VOLUMES                                                                                                                                                                           | 00500000<br>00510000<br>00520000                         |
| DASMVTO2 | THIS MEMBER MAPS A SPECIFIC VOLUME                                                                                                                                                                                               | 00530000<br>00540000                                     |
| DASMVTO3 | THIS MEMBER SHOWS FREE SPACE ON A SET OF VOLUMES                                                                                                                                                                                 | 00550000<br>00560000                                     |

\$\$INDEX

|          |                                                                                                                                                                                    |          |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| DASMT04  | THIS MEMBER SHOWS DETAILED VOLUME SUMMARIES                                                                                                                                        | 00570000 |
|          |                                                                                                                                                                                    | 00580000 |
| DASMT05  | THIS MEMBER SHOWS QUICK VOLUME SUMMARIES                                                                                                                                           | 00590000 |
|          |                                                                                                                                                                                    | 00600000 |
| DASMCOLW | THIS MEMBER IS USED TO BUILD THE DASM REPORTS AND TO COMMIT THE TABLES TO THE ONLINE PERFORMANCE DATABASE (SAVE THEM) USING DCOLLECT AS INPUT                                      | 00610000 |
|          |                                                                                                                                                                                    | 00620000 |
|          |                                                                                                                                                                                    | 00630000 |
|          |                                                                                                                                                                                    | 00640000 |
| DASMHIST | THIS MEMBER IS USED TO BUILD THE DASM REPORTS FROM THE COMMITTED TABLES IN THE ONLINE PERFORMANCE DATABASE                                                                         | 00650000 |
|          |                                                                                                                                                                                    | 00660000 |
|          |                                                                                                                                                                                    | 00670000 |
| DASMPIE  | THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH MAY BE USED TO CREATE A PIE CHART OF DASM SPACE UTILIZATION                                                              | 00680000 |
|          |                                                                                                                                                                                    | 00690000 |
|          |                                                                                                                                                                                    | 00700000 |
| DASMTNRD | THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH MAY BE USED TO CREATE TRENDS GRAPHS FOR THE GROUPS (DASDPOOL) REPRESENTING DASD SPACE AVAILABLE VS. DASD SPACE ALLOCATED | 00710000 |
|          |                                                                                                                                                                                    | 00720000 |
|          |                                                                                                                                                                                    | 00730000 |
|          |                                                                                                                                                                                    | 00740000 |
| DASMMGRT | THIS MEMBER IS USED TO CREATE THE HGDLIB MEMBERS FOR MONTHLY ORGANIZATIONAL GRAPHS BASED ON PARMLIB(&SID.DASF) SHOWING SPACE ALLOCATED, SPACE WASTED & UNREFERENCED SPACE          | 00750000 |
|          |                                                                                                                                                                                    | 00760000 |
|          |                                                                                                                                                                                    | 00770000 |
|          |                                                                                                                                                                                    | 00780000 |
| DASMWGRT | THIS MEMBER IS USED TO CREATE THE HGDLIB MEMBERS FOR WEEKLY ORGANIZATIONAL GRAPHS BASED ON PARMLIB(&SID.DASF) SHOWING SPACE ALLOCATED, SPACE WASTED & UNREFERENCED SPACE           | 00790000 |
|          |                                                                                                                                                                                    | 00800000 |
|          |                                                                                                                                                                                    | 00810000 |
|          |                                                                                                                                                                                    | 00820000 |
| DASMOWNR | THIS MEMBER IS USED TO CREATE THE HGDLIB MEMBERS FOR ORGANIZATIONAL BAR GRAPHS BASED ON PARMLIB(&SID.DASF) SHOWING SPACE ALLOCATED, SPACE WASTED & UNREFERENCED SPACE              | 00830000 |
|          |                                                                                                                                                                                    | 00840000 |
|          |                                                                                                                                                                                    | 00850000 |
|          |                                                                                                                                                                                    | 00860000 |
|          |                                                                                                                                                                                    | 00870000 |
| *****    |                                                                                                                                                                                    | 00880000 |
| *        | MAGNETIC TAPE VOLUME AND DRIVE MEMBERS                                                                                                                                             | *        |
| *****    |                                                                                                                                                                                    | 00890000 |
| DTAPINIT | THIS MEMBER ALLOCATES AND INITIALIZES THE TAPE DATA BASE                                                                                                                           | 00900000 |
|          |                                                                                                                                                                                    | 00910000 |
| DTAPPROD | THIS MEMBER IS USED TO BUILD THE TAPE VOLUME TABLES                                                                                                                                | 00920000 |
|          |                                                                                                                                                                                    | 00930000 |
| DTAPADHC | THIS MEMBER IS USED TO CREATE A SELECTIVE AD HOC REPORT FOR THE ORIGINAL TAPE MANAGEMENT CONTROL FILE INPUT                                                                        | 00940000 |
|          |                                                                                                                                                                                    | 00950000 |
|          |                                                                                                                                                                                    | 00960000 |
| DTAPURPT | THIS MEMBER IS USED TO BUILD THE TAPE DRIVE REPORTS FROM THE COMMITTED TABLES IN THE ONLINE PERFORMANCE DATABASE                                                                   | 00970000 |
|          |                                                                                                                                                                                    | 00980000 |
|          |                                                                                                                                                                                    | 00990000 |
| DTAPVRPT | THIS MEMBER IS USED TO BUILD THE TAPE VOLUME REPORTS FROM THE COMMITTED TABLES IN THE ONLINE PERFORMANCE DATABASE                                                                  | 01000000 |
|          |                                                                                                                                                                                    | 01010000 |
|          |                                                                                                                                                                                    | 01020000 |
| DTAPTRND | THIS MEMBER IS USED TO BUILD THE REPORT WHICH COMPARES PERIOD A TO PERIOD B FOR TAPE VOLUME ACTIVITY                                                                               | 01030000 |
|          |                                                                                                                                                                                    | 01040000 |
|          |                                                                                                                                                                                    | 01050000 |
| DTAPOGRF | THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH MAY BE USED TO CREATE OWNER GRAPHS FOR TAPE VOLUMES                                                                      | 01060000 |
|          |                                                                                                                                                                                    | 01070000 |
|          |                                                                                                                                                                                    | 01080000 |
| DTAPUGRF | THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH MAY BE USED TO CREATE TRENDS GRAPHS FOR TAPE DRIVE ACTIVITY                                                              | 01090000 |
|          |                                                                                                                                                                                    | 01100000 |
|          |                                                                                                                                                                                    | 01110000 |
| DTAPVGRF | THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH MAY BE USED TO CREATE TRENDS GRAPHS FOR TAPE VOLUME ACTIVITY                                                             | 01120000 |
|          |                                                                                                                                                                                    | 01130000 |
|          |                                                                                                                                                                                    | 01140000 |
|          |                                                                                                                                                                                    | 01150000 |
| *****    |                                                                                                                                                                                    | 01150000 |

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* CPPR WORKLOAD SYSTEM DATA REDUCTION MEMBER * 01160000

DWKLPDOD THIS IS A MODEL FOR THE DATA REDUCTION STEP FOR THE WORKLOAD 01170000
 ANALYSIS PORTION OF THE CPPR SYSTEM 01180000
 01190000
 01200000

* CPPR WORKLOAD SYSTEM REPORTS * 01210000

DWKLRPT THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE WORKLOAD 01220000
 ANALYSIS PORTION OF THE CPPR SYSTEM 01230000
 01240000
 01250000
 01260000

* CPPR TRENDS ANALYSIS GRAPH PRODUCING MEMBERS * 01270000

DWKLTGRS THIS MEMBER PRODUCES THE WORKLOAD PIE CHART DATA POINT 01280000
 LIBRARY MEMBER (&SID.108) 01290000
 01300000
 01310000
 01320000
DWKLTGRT THIS MEMBER PRODUCES THE WORKLOAD BAR CHART DATA POINT 01330000
 LIBRARY MEMBERS FOR CPU USAGE BY PGN GROUP (&SID.X09-X0B) 01340000
 01350000
DWKLTGRK THIS MEMBER PRODUCES THE WORKLOAD TASK SCHEDULE CONFORMANCE 01360000
 DATA POINT LIBRARY MEMBERS (&SID.236-237) 01370000
 01380000
DWKLDGRV THIS MEMBER PRODUCES THE TASK AVAILABILITY DATA POINT 01390000
 LIBRARY MEMBER (&SID.235) FOR A SPECIFIC TASK 01400000
 01410000
DWKLGHRV THIS MEMBER PRODUCES THE SYSTEM AVAILABILITY DATA POINT 01420000
 LIBRARY MEMBER (&SID.135) FOR A SET OF TASKS 01430000
 01440000
DWKLGHRQ THIS MEMBER PRODUCES THE CHANNEL BUSY DATA POINT LIBRARY 01450000
 MEMBERS FOR HOURLY GRAPHS (&SID.15XX, WHERE XX IS CHPID) 01460000
 01470000
DWKLDGRQ THIS MEMBER PRODUCES THE CHANNEL BUSY DATA POINT LIBRARY 01480000
 MEMBERS FOR DAILY GRAPHS (&SID.25XX, WHERE XX IS CHPID) 01490000
 01500000
DWKLGWRQ THIS MEMBER PRODUCES THE CHANNEL BUSY DATA POINT LIBRARY 01510000
 MEMBERS FOR WEEKLY GRAPHS (&SID.35XX, WHERE XX IS CHPID) 01520000
 01530000
DWKLMGRQ THIS MEMBER PRODUCES THE CHANNEL BUSY DATA POINT LIBRARY 01540000
 MEMBERS FOR MONTHLY GRAPHS (&SID.45XX, WHERE XX IS CHPID) 01550000
 01560000
DWKLGHRJ THIS MEMBER PRODUCES THE PR/SM GRAPH DATA POINT LIBRARY 01570000
 MEMBERS FOR HOURLY GRAPHS (&SID.1X5-&SID.1X8) 01580000
 01590000
DWKLDGRJ THIS MEMBER PRODUCES THE PR/SM GRAPH DATA POINT LIBRARY 01600000
 MEMBERS FOR DAILY GRAPHS (&SID.2X5-&SID.2X8) 01610000
 01620000
DWKLGWRJ THIS MEMBER PRODUCES THE PR/SM GRAPH DATA POINT LIBRARY 01630000
 MEMBERS FOR WEEKLY GRAPHS (&SID.3X5-&SID.3X8) 01640000
 01650000
DWKLMGRJ THIS MEMBER PRODUCES THE PR/SM GRAPH DATA POINT LIBRARY 01660000
 MEMBERS FOR MONTHLY GRAPHS (&SID.4X5-&SID.4X8) 01670000
 01680000
DWKLGHRR THIS MEMBER PRODUCES THE PGN SU GRAPH DATA POINT LIBRARY 01690000
 MEMBERS FOR HOURLY GRAPHS (&SID.11A-&SID.11F AND &SID.10C) 01700000
 01710000
DWKLDGRR THIS MEMBER PRODUCES THE PGN SU GRAPH DATA POINT LIBRARY 01720000
 MEMBERS FOR DAILY GRAPHS (&SID.21A-&SID.21F AND &SID.20C) 01730000
 01740000

```

**\$\$INDEX**

|          |                                                                                                                                                                           |                                  |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| DWKLWGR  | THIS MEMBER PRODUCES THE PGN SU GRAPH DATA POINT LIBRARY MEMBERS FOR WEEKLY GRAPHS (&SID.31A-&SID.31F AND &SID.30C)                                                       | 01750000<br>01760000<br>01770000 |
| DWKLMGR  | THIS MEMBER PRODUCES THE PGN SU GRAPH DATA POINT LIBRARY MEMBERS FOR MONTHLY GRAPHS (&SID.41A-&SID.41F AND &SID.40C)                                                      | 01780000<br>01790000<br>01800000 |
| DWKLHGRF | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR HOURLY GRAPHS                                                                                        | 01810000<br>01820000<br>01830000 |
| DWKLDGRF | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR DAILY GRAPHS                                                                                         | 01840000<br>01850000<br>01860000 |
| DWKLWGRF | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR WEEKLY GRAPHS                                                                                        | 01870000<br>01880000<br>01890000 |
| DWKLMGRF | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR MONTHLY GRAPHS                                                                                       | 01900000<br>01910000<br>01920000 |
| DWKLDGRE | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR DAILY GRAPHS FOR THE SURFACE CHART                                                                   | 01930000<br>01940000<br>01950000 |
| DWKLWGRE | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR WEEKLY GRAPHS FOR THE SURFACE CHART                                                                  | 01960000<br>01970000<br>01980000 |
| DWKLMGRE | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR MONTHLY GRAPHS FOR THE SURFACE CHART                                                                 | 01990000<br>02000000<br>02010000 |
| DWKLHGRX | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR HOURLY GRAPHS FOR ESA STORAGE REPORTS                                                                | 02020000<br>02030000<br>02040000 |
| DWKLDGRX | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR DAILY GRAPHS FOR ESA STORAGE REPORTS                                                                 | 02050000<br>02060000<br>02070000 |
| DWKLWGRX | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR WEEKLY GRAPHS FOR ESA STORAGE REPORTS                                                                | 02080000<br>02090000<br>02100000 |
| DWKLMGRX | THIS MEMBER PRODUCES THE TRENDS GRAPH DATA POINT LIBRARY MEMBERS FOR MONTHLY GRAPHS FOR ESA STORAGE REPORTS                                                               | 02110000<br>02120000<br>02130000 |
| DWKLTRND | THIS MEMBER PRODUCES THE TRENDS ANALYSIS SUMMMARY REPORT                                                                                                                  | 02140000<br>02150000<br>02160000 |
| *        | CPPR BASE SYSTEM UTILITIES *                                                                                                                                              | 02170000<br>02180000             |
| DUTLARCH | THIS MEMBER ARCHIVES THE ONLINE PERFORMANCE DATABASE. IT DOES NOT UNLOAD SUMMARY TABLES.                                                                                  | 02190000<br>02200000<br>02210000 |
| DUTLHGDF | THIS MEMBER MAY BE USED TO FORMAT AND PRINT A SELECTED SET OF HGDLIB MEMBERS.                                                                                             | 02220000<br>02230000<br>02240000 |
| DUTLHGDL | THIS MEMBER MAY BE USED TO CREATE A LARGE FLAT FILE COMPOSED OF HGDLIB MEMBERS, SUITABLE FOR DOWNLOADING WITH IND\$FILE.                                                  | 02250000<br>02260000<br>02270000 |
| DUTLHGDM | THIS MEMBER MAY BE USED TO MERGE 2 HGDLIB MEMBERS AND TO CREATE A 3RD MEMBER FROM THE FIRST 2.                                                                            | 02280000<br>02290000<br>02300000 |
| DUTLLIBX | THIS MEMBER MAY BE USED TO CONVERT PDS MEMBERS FROM FIXED FORMAT TO VARIABLE FORMAT, ELIMINATING TRAILING BLANKS AND DROPPING ENTIRELY BLANK LINES. ALTERNATIVELY, IT MAY | 02310000<br>02320000<br>02330000 |



|          |                                                                                                                                                                            |                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|          | BE USED TO CREATE A LARGE FLAT FILE WHICH MAY BE DOWNLOADED TO A PC IN A SINGLE GULP (ALSO VARIABLE BLOCKED)                                                               | 02340000<br>02350000<br>02360000                                     |
| DUTLRORG | THIS MEMBER MAY BE USED TO COMPRESS THE GAS OUT OF THE PERFORMANCE DATABASE AND, IF DESIRED, TO CHANGE THE BLOCK SIZE OF THE PERFORMANCE DATABASE.                         | 02361062<br>02362062<br>02363062<br>02364062                         |
| DUTLINDX | THIS MEMBER MAY BE USED TO INDEX THE ONLINE PERFORMANCE DATABASE.                                                                                                          | 02370000<br>02380000<br>02390000                                     |
| DUTLSUMM | THIS MEMBER PRODUCES SUMMARY TABLES IN THE ONLINE PERFORMANCE DATABASE. IT SHOULD BE RUN EVERY MONDAY MORNING.                                                             | 02400000<br>02410000<br>02420000                                     |
| DUTLVALD | THIS MEMBER PRODUCES A LISTING OF ALL OF THE TABLES IN THE PERFORMANCE DATABASE.                                                                                           | 02430000<br>02440000<br>02450000                                     |
| DUTLTDBS | THIS MEMBER PRODUCES A LISTING OF THE STATISTICS FOR ALL OF THE TABLES FOR A SPECIFIED SID IN THE PERFORMANCE DATABASE.                                                    | 02460000<br>02470000<br>02480000                                     |
| DUTLDCFP | THIS MEMBER PRODUCES A FORMATTED LISTING OF THE CONTENTS OF THE CPPRERT FILE                                                                                               | 02490000<br>02500000<br>02510000                                     |
| DUTLLOAD | THIS MEMBER MAY BE USED TO LOAD A COMPOSITE DATABASE FROM A SET OF PDB POOLS, OR FROM ARCHIVED HISTORY.                                                                    | 02520000<br>02530000<br>02540000                                     |
| DUTLDELT | THIS MEMBER MAY BE USED TO DELETE A SPECIFIC TABLE FROM THE PERFORMANCE DATABASE.                                                                                          | 02550000<br>02560000<br>02570000                                     |
| DUTLTBLX | THIS MEMBER MAY BE USED TO FORMAT AND UNLOAD A SET OF TABLES FROM THE PERFORMANCE DATABASE FOR CUSTOM PROCESSING.                                                          | 02580000<br>02590000<br>02600000<br>02610000                         |
| *****    |                                                                                                                                                                            |                                                                      |
| *        | CPPR CICS SUBSYSTEM DATA REDUCTION MEMBERS                                                                                                                                 | *                                                                    |
| *****    |                                                                                                                                                                            |                                                                      |
| DCICPROD | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS ADDRESS SPACE WHICH SENDS THE CMF TYPE 110 RECORDS TO A JOURNAL FOR LATER PROCESSING                         | 02620000<br>02630000<br>02640000<br>02650000<br>02660000<br>02670000 |
| DCICSMF  | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS ADDRESS SPACE WHICH SENDS THE CMF TYPE 110 RECORDS TO THE SMF MANX/MANY CLUSTERS                             | 02680000<br>02690000<br>02700000<br>02710000                         |
| DCICTMON | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS ADDRESS SPACE WHICH UTILIZES THE LANDMARK MONITOR.                                                           | 02720000<br>02730000<br>02740000                                     |
| DCICTPRE | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS ADDRESS SPACE WHICH USES THE LANDMARK MONITOR AND PROCESSES TMON SUMMARIZED HISTORY DATA, RELEASE 8 OR LATER | 02750000<br>02760000<br>02770000<br>02780000                         |
| DCICTFAS | THIS IS A FAST PATH VERSION OF DCICTMON, BUT THE INPUT MUST BE TMON UNSUMMARIZED HISTORY DATA, RELEASE 8 OR LATER (DUMP TAPE)                                              | 02790000<br>02800000<br>02810000                                     |
| DCICOMON | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS ADDRESS SPACE WHICH UTILIZES THE OMEGAMON/CICS MONITOR.                                                      | 02820000<br>02830000<br>02840000                                     |
| DCICJARS | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS ADDRESS SPACE WHICH UTILIZES THE JARS/CICS PROGRAM.                                                          | 02850000<br>02860000<br>02870000                                     |
| DCICCMR  | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS                                                                                                              | 02880000                                                             |

\$\$INDEX

|                                                                                                                                  |          |
|----------------------------------------------------------------------------------------------------------------------------------|----------|
| ADDRESS SPACE WHICH UTILIZES THE CICS MANAGER FROM BOOLE AND BABBAGE                                                             | 02890000 |
|                                                                                                                                  | 02900000 |
|                                                                                                                                  | 02910000 |
| *****                                                                                                                            | 02920000 |
| * CPPR CICS SUBSYSTEM REPORT PRODUCING MEMBER *                                                                                  | 02930000 |
| *****                                                                                                                            | 02940000 |
| DCICREPT THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE CICS SUBSYSTEM                                                          | 02950000 |
|                                                                                                                                  | 02960000 |
|                                                                                                                                  | 02970000 |
| DCICTRPT THIS MEMBER PRODUCES THE TRENDS REPORT FOR THE CICS SUBSYSTEM                                                           | 02980000 |
|                                                                                                                                  | 02990000 |
|                                                                                                                                  | 03000000 |
| DCICADHC THIS MEMBER PRODUCES THE AD HOC REPORT FOR THE CICS SUBSYSTEM                                                           | 03010000 |
|                                                                                                                                  | 03020000 |
|                                                                                                                                  | 03030000 |
| *****                                                                                                                            | 03040000 |
| * CPPR CICS SUBSYSTEM GRAPH PRODUCING MEMBERS *                                                                                  | 03050000 |
| *****                                                                                                                            | 03060000 |
| DCICHGRF THIS MEMBER PRODUCES A SET OF HOURLY (70-78) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS   | 03070000 |
|                                                                                                                                  | 03080000 |
|                                                                                                                                  | 03090000 |
| DCICDGRF THIS MEMBER PRODUCES A SET OF DAILY (70-78) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS    | 03100000 |
|                                                                                                                                  | 03110000 |
|                                                                                                                                  | 03120000 |
| DCICDGRE THIS MEMBER PRODUCES A SET OF DAILY (E1-E4) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS    | 03130000 |
|                                                                                                                                  | 03140000 |
|                                                                                                                                  | 03150000 |
| DCICWGRF THIS MEMBER PRODUCES A SET OF WEEKLY (70-78) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS   | 03160000 |
|                                                                                                                                  | 03170000 |
|                                                                                                                                  | 03180000 |
| DCICWGRE THIS MEMBER PRODUCES A SET OF WEEKLY (E1-E4) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS   | 03190000 |
|                                                                                                                                  | 03200000 |
|                                                                                                                                  | 03210000 |
| DCICMGRF THIS MEMBER PRODUCES A SET OF MONTHLY (70-78) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS  | 03220000 |
|                                                                                                                                  | 03230000 |
|                                                                                                                                  | 03240000 |
| DCICMGRE THIS MEMBER PRODUCES A SET OF MONTHLY (E1-E4) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS  | 03250000 |
|                                                                                                                                  | 03260000 |
|                                                                                                                                  | 03270000 |
| *****                                                                                                                            | 03280000 |
| * CPPR CICS SUBSYSTEM UTILITY SAMPLES *                                                                                          | 03290000 |
| *****                                                                                                                            | 03300000 |
| DCICSNAP THIS MEMBER IS USED TO SNAPSHOT A SPECIFIC CICS TRANSACTION                                                             | 03310000 |
|                                                                                                                                  | 03320000 |
|                                                                                                                                  | 03330000 |
| *****                                                                                                                            | 03340000 |
| * CPPR IDMS SUBSYSTEM DATA REDUCTION MEMBERS *                                                                                   | 03350000 |
| *****                                                                                                                            | 03360000 |
| DIDMPROD THIS MEMBER IS A MODEL FOR THE DATA REDUCTION FOR AN IDMS ADDRESS SPACE (EITHER R10 OR R10.2)                           | 03370000 |
|                                                                                                                                  | 03380000 |
|                                                                                                                                  | 03390000 |
| DIDPSMF THIS MEMBER IS A MODEL FOR THE DATA REDUCTION FOR AN IDMS ADDRESS SPACE FOR RELEASE 10.2 WHERE INPUT IS FROM SMF         | 03400000 |
|                                                                                                                                  | 03410000 |
|                                                                                                                                  | 03420000 |
| DIDML102 THIS MEMBER IS A MODEL FOR THE DATA REDUCTION FOR AN IDMS ADDRESS SPACE FOR RELEASE 10.2 WHERE INPUT IS FROM SUBTYPE 02 | 03430000 |
|                                                                                                                                  | 03440000 |
|                                                                                                                                  | 03450000 |
| *****                                                                                                                            | 03460000 |
| * CPPR IDMS SUBSYSTEM REPORT PRODUCING MEMBER *                                                                                  | 03470000 |
| *****                                                                                                                            | 03470000 |

|          |                                                                                                                             |                                  |
|----------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| DIDMREPT | THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE IDMS<br>SUBSYSTEM                                                           | 03480000<br>03490000<br>03500000 |
| DIDMTRPT | THIS MEMBER PRODUCES THE TRENDS REPORT FOR THE IDMS<br>SUBSYSTEM                                                            | 03510000<br>03520000<br>03530000 |
| *****    |                                                                                                                             | 03540000                         |
| *        | CPPR IDMS SUBSYSTEM GRAPH PRODUCING MEMBERS                                                                                 | * 03550000                       |
| *****    |                                                                                                                             | 03560000                         |
| DIDMHGRF | THIS MEMBER PRODUCES A SET OF HOURLY (80-89) GRAPH MEMBERS<br>WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS    | 03570000<br>03580000<br>03590000 |
| DIDMDGRF | THIS MEMBER PRODUCES A SET OF DAILY (80-89) GRAPH MEMBERS<br>WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS     | 03600000<br>03610000<br>03620000 |
| DIDMDGRE | THIS MEMBER PRODUCES A SET OF DAILY (E5-E8) GRAPH MEMBERS<br>WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS     | 03630000<br>03640000<br>03650000 |
| DIDMWGRF | THIS MEMBER PRODUCES A SET OF WEEKLY (80-89) GRAPH MEMBERS<br>WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS    | 03660000<br>03670000<br>03680000 |
| DIDMWGRE | THIS MEMBER PRODUCES A SET OF WEEKLY (E5-E8) GRAPH MEMBERS<br>WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS    | 03690000<br>03700000<br>03710000 |
| DIDMMGRF | THIS MEMBER PRODUCES A SET OF MONTHLY (80-89) GRAPH MEMBERS<br>WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS   | 03720000<br>03730000<br>03740000 |
| DIDMMGRE | THIS MEMBER PRODUCES A SET OF MONTHLY (E5-E8) GRAPH MEMBERS<br>WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS   | 03750000<br>03760000<br>03770000 |
| *****    |                                                                                                                             | 03780000                         |
| *        | CPPR NETWORK SUBSYSTEM DATA REDUCTION MEMBER                                                                                | * 03790000                       |
| *****    |                                                                                                                             | 03800000                         |
| DNETPROD | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION FOR A NETWORK<br>ADDRESS SPACE                                                | 03810000<br>03820000<br>03830000 |
| DNETNPMW | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION FOR A NETWORK<br>ADDRESS SPACE, FOR PHYSICAL CONFIGURATION DATA (NPM TYPE 28) | 03840000<br>03850000<br>03860000 |
| *****    |                                                                                                                             | 03870000                         |
| *        | CPPR NETWORK SUBSYSTEM REPORT PRODUCING MEMBER                                                                              | * 03880000                       |
| *****    |                                                                                                                             | 03890000                         |
| DNETREPT | THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE NETWORK<br>SUBSYSTEM                                                        | 03900000<br>03910000<br>03920000 |
| DNETNPMC | THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE NETWORK<br>SUBSYSTEM FOR CLUSTER CONTROLLER REPORTS                         | 03930000<br>03940000<br>03950000 |
| DNETNPML | THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE NETWORK<br>SUBSYSTEM FOR PHYSICAL LINE CONFIGURATION REPORTS                | 03960000<br>03970000<br>03980000 |
| DNETNPMN | THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE NETWORK<br>SUBSYSTEM FOR PHYSICAL NCP CONFIGURATION REPORTS                 | 03990000<br>04000000<br>04010000 |
| DNETTPPT | THIS MEMBER PRODUCES THE TRENDS REPORT FOR THE NETWORK<br>SUBSYSTEM                                                         | 04020000<br>04030000<br>04040000 |
| *****    |                                                                                                                             | 04050000                         |
| *        | CPPR NETWORK SUBSYSTEM GRAPH PRODUCING MEMBERS                                                                              | * 04060000                       |

\$\$INDEX

|          |                                                                                                                        |            |
|----------|------------------------------------------------------------------------------------------------------------------------|------------|
| *****    |                                                                                                                        | 04070000   |
| DNETHGRF | THIS MEMBER PRODUCES A SET OF HOURLY (NO-NA) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS  | 04080000   |
|          |                                                                                                                        | 04090000   |
|          |                                                                                                                        | 04100000   |
| DNETHGRE | THIS MEMBER PRODUCES A SET OF HOURLY (NE-NR) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS  | 04110000   |
|          |                                                                                                                        | 04120000   |
|          |                                                                                                                        | 04130000   |
| DNETHGRL | THIS MEMBER PRODUCES A SET OF HOURLY (NT-NU) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS  | 04140000   |
|          |                                                                                                                        | 04150000   |
|          |                                                                                                                        | 04160000   |
| DNETHGRN | THIS MEMBER PRODUCES A SET OF HOURLY (NI-NJ) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS  | 04170000   |
|          |                                                                                                                        | 04180000   |
|          |                                                                                                                        | 04190000   |
| DNETDGRF | THIS MEMBER PRODUCES A SET OF DAILY (NO-NA) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS   | 04200000   |
|          |                                                                                                                        | 04210000   |
|          |                                                                                                                        | 04220000   |
| DNETDGRE | THIS MEMBER PRODUCES A SET OF DAILY (NE-NR) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS   | 04230000   |
|          |                                                                                                                        | 04240000   |
|          |                                                                                                                        | 04250000   |
| DNETWGRF | THIS MEMBER PRODUCES A SET OF WEEKLY (NO-NA) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS  | 04260000   |
|          |                                                                                                                        | 04270000   |
|          |                                                                                                                        | 04280000   |
| DNETWGRE | THIS MEMBER PRODUCES A SET OF WEEKLY (NE-NR) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS  | 04290000   |
|          |                                                                                                                        | 04300000   |
|          |                                                                                                                        | 04310000   |
| DNETMGRF | THIS MEMBER PRODUCES A SET OF MONTHLY (NO-NA) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS | 04320000   |
|          |                                                                                                                        | 04330000   |
|          |                                                                                                                        | 04340000   |
| DNETMGRE | THIS MEMBER PRODUCES A SET OF MONTHLY (NE-NR) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS | 04350000   |
|          |                                                                                                                        | 04360000   |
|          |                                                                                                                        | 04370000   |
| *****    |                                                                                                                        | 04380000   |
| *        | CPPR AD HOC REPORT PRODUCING MEMBERS                                                                                   | * 04390000 |
| *****    |                                                                                                                        | 04400000   |
| DWKLDSN  | THIS MEMBER PRODUCES THE SELECTED DSNNAME REPORT                                                                       | 04410000   |
|          |                                                                                                                        | 04420000   |
| DWKLUID  | THIS MEMBER PRODUCES THE SELECTED TSO USERID REPORT                                                                    | 04430000   |
|          |                                                                                                                        | 04440000   |
| DWKLJOB  | THIS MEMBER PRODUCES THE SELECTED BATCH JOB REPORT                                                                     | 04450000   |
|          |                                                                                                                        | 04460000   |
| WHATIF   | THIS MEMBER WILL BE USED TO PERFORM WHAT IF PROCESSING WHEN THE FEATURE IS RELEASED                                    | 04470000   |
|          |                                                                                                                        | 04480000   |
|          |                                                                                                                        | 04490000   |
| *****    |                                                                                                                        | 04500000   |
| *        | CPPR IMS SUBSYSTEM DATA REDUCTION MEMBER                                                                               | * 04510000 |
| *****    |                                                                                                                        | 04520000   |
| DIMSPROD | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR AN IMS ADDRESS SPACE                                            | 04530000   |
|          |                                                                                                                        | 04540000   |
|          |                                                                                                                        | 04550000   |
| DIMFPROD | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR AN IMS ADDRESS SPACE WHICH USES BOOL AND BABBAGE'S IMF          | 04560000   |
|          |                                                                                                                        | 04570000   |
|          |                                                                                                                        | 04580000   |
| *****    |                                                                                                                        | 04590000   |
| *        | CPPR IMS SUBSYSTEM REPORT PRODUCING MEMBER                                                                             | * 04600000 |
| *****    |                                                                                                                        | 04610000   |
| DIMSREPT | THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE IMS SUBSYSTEM                                                          | 04620000   |
|          |                                                                                                                        | 04630000   |
|          |                                                                                                                        | 04640000   |
| DIMSPROF | THIS MEMBER PRODUCES AN IMS TRANSACTION PROFILE REPORT                                                                 | 04650000   |

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FOR ALL TRANSACTIONS IN THE //INCLUDE LIST 04660000
 04670000
***** 04680000
* CPPR IMS SUBSYSTEM GRAPH PRODUCING MEMBERS * 04690000
***** 04700000
DIMSHGRE THIS MEMBER PRODUCES A SET OF HOURLY (9A-9D) GRAPH MEMBERS 04710000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS 04720000
 04730000
DIMSHGRF THIS MEMBER PRODUCES A SET OF HOURLY (90-96) GRAPH MEMBERS 04740000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS 04750000
 04760000
DIMSDGRE THIS MEMBER PRODUCES A SET OF DAILY (9A-9D) GRAPH MEMBERS 04770000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS 04780000
 04790000
DIMSDGRF THIS MEMBER PRODUCES A SET OF DAILY (90-98) GRAPH MEMBERS 04800000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS 04810000
 04820000
DIMSWGRE THIS MEMBER PRODUCES A SET OF WEEKLY (9A-9D) GRAPH MEMBERS 04830000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS 04840000
 04850000
DIMSWGRF THIS MEMBER PRODUCES A SET OF WEEKLY (90-98) GRAPH MEMBERS 04860000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS 04870000
 04880000
DIMSMGRE THIS MEMBER PRODUCES A SET OF MONTHLY (9A-9D) GRAPH MEMBERS 04890000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS 04900000
 04910000
DIMSMGRF THIS MEMBER PRODUCES A SET OF MONTHLY (90-98) GRAPH MEMBERS 04920000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS 04930000
 04940000
***** 04950000
* CPPR DB2 SUBSYSTEM DATA REDUCTION MEMBER * 04960000
***** 04970000
DDB2PROD THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A DB2 04980000
 ADDRESS SPACE WHICH SENDS THE SMF TYPE 100 & 101 RECORDS TO A 04990000
 CLUSTER FOR LATER PROCESSING 05000000
 05010000
***** 05020000
* CPPR DB2 SUBSYSTEM REPORT PRODUCING MEMBER * 05030000
***** 05040000
DDB2REPT THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE DB2 05050000
 SUBSYSTEM 05060000
 05070000
DDB2TRND THIS MEMBER PRODUCES THE TRENDS ANALYSIS REPORTS FOR THE DB2 05080000
 SUBSYSTEM 05090000
 05100000
***** 05110000
* CPPR DB2 SUBSYSTEM GRAPH PRODUCING MEMBERS * 05120000
***** 05130000
DDB2HGRF THIS MEMBER PRODUCES A SET OF HOURLY (BA-BE) GRAPH MEMBERS 05140000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS 05150000
 05160000
DDB2HGRE THIS MEMBER PRODUCES A SET OF HOURLY (B0-B4) GRAPH MEMBERS 05170000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS 05180000
 05190000
DDB2DGRF THIS MEMBER PRODUCES A SET OF DAILY (BA-BE) GRAPH MEMBERS 05200000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS 05210000
 05220000
DDB2DGRE THIS MEMBER PRODUCES A SET OF DAILY (B0-B4) GRAPH MEMBERS 05230000
 WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS 05240000

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|          |                                                                                                                                                       |            |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|          |                                                                                                                                                       | 05250000   |
| DDB2WGRF | THIS MEMBER PRODUCES A SET OF WEEKLY (BA-BE) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS                                         | 05260000   |
|          |                                                                                                                                                       | 05270000   |
|          |                                                                                                                                                       | 05280000   |
| DDB2WGRE | THIS MEMBER PRODUCES A SET OF WEEKLY (B0-B4) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS                                         | 05290000   |
|          |                                                                                                                                                       | 05300000   |
|          |                                                                                                                                                       | 05310000   |
| DDB2MGRF | THIS MEMBER PRODUCES A SET OF MONTHLY (BA-BE) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS                                        | 05320000   |
|          |                                                                                                                                                       | 05330000   |
|          |                                                                                                                                                       | 05340000   |
| DDB2MGRE | THIS MEMBER PRODUCES A SET OF MONTHLY (B0-B4) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS                                        | 05350000   |
|          |                                                                                                                                                       | 05360000   |
|          |                                                                                                                                                       | 05370000   |
|          | *****                                                                                                                                                 | 05380000   |
| *        | CPPR M204 SUBSYSTEM DATA REDUCTION MEMBER                                                                                                             | * 05390000 |
|          | *****                                                                                                                                                 | 05400000   |
| D204PROD | THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A M204 ADDRESS SPACE WHICH SENDS THE USER SINCE LAST RECORDS TO A JOURNAL FOR LATER PROCESSING | 05410000   |
|          |                                                                                                                                                       | 05420000   |
|          |                                                                                                                                                       | 05430000   |
|          |                                                                                                                                                       | 05440000   |
|          | *****                                                                                                                                                 | 05450000   |
| *        | CPPR M204 SUBSYSTEM REPORT PRODUCING MEMBER                                                                                                           | * 05460000 |
|          | *****                                                                                                                                                 | 05470000   |
| D204REPT | THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE M204 SUBSYSTEM                                                                                        | 05480000   |
|          |                                                                                                                                                       | 05490000   |
|          |                                                                                                                                                       | 05500000   |
| D204TRPT | THIS MEMBER PRODUCES THE TRENDS REPORT FOR THE M204 SUBSYSTEM                                                                                         | 05510000   |
|          |                                                                                                                                                       | 05520000   |
|          |                                                                                                                                                       | 05530000   |
| D204ADHC | THIS MEMBER PRODUCES AN AD HOC REPORT FOR THE M204 SUBSYSTEM                                                                                          | 05540000   |
|          |                                                                                                                                                       | 05550000   |
|          |                                                                                                                                                       | 05560000   |
|          | *****                                                                                                                                                 | 05570000   |
| *        | CPPR M204 SUBSYSTEM GRAPH PRODUCING MEMBERS                                                                                                           | * 05580000 |
|          | *****                                                                                                                                                 | 05590000   |
| D204HGRE | THIS MEMBER PRODUCES A SET OF HOURLY (1MA-1MD) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS                               | 05600000   |
|          |                                                                                                                                                       | 05610000   |
|          |                                                                                                                                                       | 05620000   |
| D204HGRF | THIS MEMBER PRODUCES A SET OF HOURLY (1M0-1M9) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS                               | 05630000   |
|          |                                                                                                                                                       | 05640000   |
|          |                                                                                                                                                       | 05650000   |
| D204DGRE | THIS MEMBER PRODUCES A SET OF DAILY (2MA-2MD) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS                                | 05660000   |
|          |                                                                                                                                                       | 05670000   |
|          |                                                                                                                                                       | 05680000   |
| D204DGRF | THIS MEMBER PRODUCES A SET OF DAILY (2M0-2M9) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS                                | 05690000   |
|          |                                                                                                                                                       | 05700000   |
|          |                                                                                                                                                       | 05710000   |
| D204WGRE | THIS MEMBER PRODUCES A SET OF WEEKLY (3MA-3MD) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS                               | 05720000   |
|          |                                                                                                                                                       | 05730000   |
|          |                                                                                                                                                       | 05740000   |
| D204WGRF | THIS MEMBER PRODUCES A SET OF WEEKLY (3M0-3M9) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS                               | 05750000   |
|          |                                                                                                                                                       | 05760000   |
|          |                                                                                                                                                       | 05770000   |
| D204MGRE | THIS MEMBER PRODUCES A SET OF MONTHLY (4MA-MD) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS                               | 05780000   |
|          |                                                                                                                                                       | 05790000   |
|          |                                                                                                                                                       | 05800000   |
| D204MGRF | THIS MEMBER PRODUCES A SET OF MONTHLY (4M0-M9) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE SURFACE GRAPHS                               | 05810000   |
|          |                                                                                                                                                       | 05820000   |
|          |                                                                                                                                                       | 05830000   |

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***** 05840000
* CPPR GENERIC SUBSYSTEM DATA REDUCTION MEMBERS * 05850000
***** 05860000
DGENWKLD THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A 05870000
 USER DEFINED INPUT RECORD WHICH PRODUCES A USER DEFINED CPPR 05880000
 TABLE PLUS AN OPTIONAL AD HOC REPORT 05890000
 05900000
DGENCM27 THIS MEMBER SHOWS HOW TO PROCESS TYPE 240 RECORDS FROM 05910000
 CMF (BOOLE AND BABBAGE), SPECIFICALLY SUBTYPE 27 CACHE 05920000
 CONTROLLER RECORDS 05930000
 05940000
DGENCM29 THIS MEMBER SHOWS HOW TO PROCESS TYPE 240 RECORDS FROM 05950000
 CMF (BOOLE AND BABBAGE), SPECIFICALLY SUBTYPE 29 COMMON 05960000
 STORAGE ACTIVITY RECORDS 05970000
 05980000
DGENC110 THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A 05990000
 CICS (CMF) 110 RECORD WHICH PRODUCES A USER DEFINED CPPR 06000000
 TABLE PLUS AN OPTIONAL AD HOC REPORT 06010000
 06020000
DGENR200 THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR AN 06022000
 SMF TYPE 200 RECORD (TSO/MON SYSTEM RECORD), PRODUCING A 06023000
 USER DEFINED CPPR TABLE PLUS OPTIONAL AD HOC REPORT ON 06023100
 TSO USERID PERFORMANCE STATISTICS 06024000
 06024200
DGENR425 THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR AN 06024300
 SMF TYPE 42:5 RECORD WHICH PRODUCES A USER DEFINED CPPR 06024400
 TABLE PLUS AN OPTIONAL AD HOC REPORT ON STORAGE CLASS 06024500
 PERFORMANCE STATISTICS 06024600
 06025000
DGENWK01 THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A 06030000
 FIXED LENGTH RECORD WHICH PRODUCES A USER DEFINED CPPR 06040000
 TABLE PLUS AN OPTIONAL AD HOC REPORT 06050000
 06060000
DGENSAM1 THIS MEMBER IS A MODEL FOR A SET OF JOBS WHICH PROCESS AN 06070000
 RMF TYPE 70 (CPU ACTIVITY) RECORD AND PRODUCE REPORTS AND 06080000
 GRAPHS SHOWING CPU HIGH % BUSY, LOW % BUSY AND AVG % BUSY 06090000
 06100000
DGENSAM2 THIS MEMBER IS A MODEL FOR A SET OF JOBS WHICH PROCESS AN 06110000
 RMF TYPE 70 (CPU ACTIVITY) RECORD AND PRODUCE REPORTS AND 06120000
 GRAPHS SHOWING CPU HIGH % BUSY, LOW % BUSY AND AVG % BUSY 06130000
 FOR A PR/SM PROCESSOR 06140000
 06150000
DGENRM71 THIS MEMBER IS A MODEL FOR A SET OF JOBS WHICH PROCESS AN 06160000
 RMF TYPE 71 (PAGING) RECORD AND PRODUCE REPORTS AND 06170000
 GRAPHS SHOWING PAGES IN, PAGES OUT AND RECLAIMS 06180000
 06190000
DGENADAB THIS MEMBER IS A MODEL FOR A SET OF JOBS WHICH PROCESS AN 06200000
 ADABAS COMMAND LOG RECORD AND PRODUCE REPORTS AND GRAPHS 06210000
 SHOWING I/O COUNTS, DURATIONS AND COMMAND FREQUENCIES 06220000
 06230000
***** 06240000
* CPPR GENERIC SUBSYSTEM REPORT PRODUCING MEMBERS * 06250000
***** 06260000
DGENREPT THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE GENERIC 06270000
 SUBSYSTEM 06280000
 06290000
DGENRP01 THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE GENERIC 06300000
 SUBSYSTEM FOR THE USER TABLES BUILT BY DGENWK01 06310000
 06311000

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\$\$INDEX

|          |                                                                                                                                                                           |                                                          |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| DGENR426 | THIS MEMBER IS A MODEL FOR JOB TO PROCESS AN SMF TYPE 42:6 RECORD PRODUCING AN AD-HOC REPORT OF DATASET PERFORMANCE STATISTICS BY JOBNAME, STORAGE CLASS, VOLSER, AND DSN | 06312000<br>06313000<br>06314000<br>06320000<br>06330000 |
| *        | CPPR GENERIC SUBSYSTEM GRAPH PRODUCING MEMBERS                                                                                                                            | * 06340000<br>06350000                                   |
| DGENHGRF | THIS MEMBER PRODUCES A SET OF HOURLY (GO) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS                                                                | 06360000<br>06370000<br>06380000                         |
| DGENHG01 | THIS MEMBER PRODUCES A SET OF DAILY (GO) GRAPH MEMBERS FROM THE USER TABLES BUILT BY DGENWK01                                                                             | 06390000<br>06400000<br>06410000                         |
| DGENHGRE | THIS MEMBER PRODUCES A SET OF HOURLY (HO) GRAPH MEMBERS WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE GRAPHS                                                                | 06420000<br>06430000<br>06440000                         |
| DGENHE01 | THIS MEMBER PRODUCES A SET OF DAILY (HO) GRAPH MEMBERS FROM THE USER TABLES BUILT BY DGENWK01                                                                             | 06450000<br>06460000<br>06470000<br>06480000             |
| *        | CPPR LONGVIEW SUBSYSTEM BATCH JOBS                                                                                                                                        | 06490000<br>06500000                                     |
| DLNGCICS | THIS MEMBER PRODUCES THE LNGVLIB MEMBERS FOR CICS                                                                                                                         | 06510000<br>06520000                                     |
| DLNGDASM | THIS MEMBER PRODUCES THE LNGVLIB MEMBERS FOR DASM                                                                                                                         | 06530000<br>06540000                                     |
| DLNGDB2  | THIS MEMBER PRODUCES THE LNGVLIB MEMBERS FOR DB2                                                                                                                          | 06550000<br>06560000                                     |
| DLNGIDMS | THIS MEMBER PRODUCES THE LNGVLIB MEMBERS FOR IDMS                                                                                                                         | 06570000<br>06580000                                     |
| DLNGIMS  | THIS MEMBER PRODUCES THE LNGVLIB MEMBERS FOR IMS                                                                                                                          | 06590000<br>06600000                                     |
| DLNGM204 | THIS MEMBER PRODUCES THE LNGVLIB MEMBERS FOR MODEL 204                                                                                                                    | 06610000<br>06620000                                     |
| DLNGNETW | THIS MEMBER PRODUCES THE LNGVLIB MEMBERS FOR NETWORK                                                                                                                      | 06630000<br>06640000                                     |
| DLNGWKLD | THIS MEMBER PRODUCES THE LNGVLIB MEMBERS FOR WORKLOAD                                                                                                                     | 06650000<br>06660000<br>06670000                         |
| *        | SAMPLE GDDM BATCH MEMBERS                                                                                                                                                 | * 06680000<br>06690000                                   |
| GDDMBAT  | THIS MEMBER IS USED TO PRODUCE A GDDM GRAPH IN BATCH FROM A HGDLIB MEMBER AND SEND IT TO THE PRINTER                                                                      | 06700000<br>06710000<br>06720000                         |
| GDDMBATC | THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR ALL SUPPORTED GDDM CHARTS FOR THE CICS SUBSYSTEM                                                                  | 06730000<br>06740000<br>06750000                         |
| GDDMBATD | THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR ALL SUPPORTED GDDM CHARTS FOR THE IDMS SUBSYSTEM                                                                  | 06760000<br>06770000<br>06780000                         |
| GDDMBATI | THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR ALL SUPPORTED GDDM CHARTS FOR THE IMS SUBSYSTEM                                                                   | 06790000<br>06800000<br>06810000                         |
| GDDMBATM | THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR ALL SUPPORTED GDDM CHARTS FOR THE M204 SUBSYSTEM                                                                  | 06820000<br>06830000<br>06840000                         |
| GDDMBATN | THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR ALL SUPPORTED GDDM CHARTS FOR THE NETWORK SUBSYSTEM                                                               | 06850000<br>06860000<br>06870000                         |



|          |                                                                                                                                                           |                                                          |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| GDDMBATW | THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR ALL SUPPORTED GDDM CHARTS FOR THE WORKLOAD SUBSYSTEM                                              | 06880000<br>06890000<br>06900000                         |
| *****    |                                                                                                                                                           |                                                          |
| *        | SAMPLE UTILITY AND PARMLIB MEMBERS                                                                                                                        | * 06910000<br>06920000                                   |
| *****    |                                                                                                                                                           |                                                          |
| JOBCARD  | THIS MEMBER SHOULD BE REPLACED WITH A LEGITIMATE JOBCARD                                                                                                  | 06930000<br>06940000<br>06950000                         |
| ERBRMFSA | THIS IS A MODEL FOR RMF                                                                                                                                   | 06960000<br>06970000                                     |
| IEAICSSA | THIS IS A MODEL FOR AN ICS MEMBER IN SYS1.PARMLIB                                                                                                         | 06980000<br>06990000                                     |
| IEAIPSSA | THIS IS A MODEL FOR AN IPS MEMBER IN SYS1.PARMLIB                                                                                                         | 07000000<br>07010000                                     |
| SMFDUMP  | THIS IS A SAMPLE SET OF JCL TO DUMP THE SMF CLUSTERS                                                                                                      | 07020000<br>07030000                                     |
| SMFPRMN  | THIS IS A SAMPLE SMFPRMXX MEMBER FOR SYS1.PARMLIB                                                                                                         | 07040000<br>07050000                                     |
| *****    |                                                                                                                                                           |                                                          |
| *        | CPPR SYSTEM PERMANENT FLAG ENABLING MEMBERS                                                                                                               | * 07060000<br>07070000                                   |
| *****    |                                                                                                                                                           |                                                          |
| PERMACCT | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE ACCOUNTING SUBSYSTEM ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                      | 07080000<br>07090000<br>07100000<br>07110000<br>07120000 |
| PERMBASE | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE WORKLOAD ANALYSIS SUBSYSTEM REPORTS ONCE THAT SUBSYSTEM HAS BEEN PURCHASED       | 07130000<br>07140000<br>07150000<br>07160000             |
| PERMCICS | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE CICS SUBSYSTEM REPORTS ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                    | 07170000<br>07180000<br>07190000<br>07200000             |
| PERMDASM | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE DIRECT ACCESS SPACE MGT SUBSYSTEM REPORTS ONCE THAT SUBSYSTEM HAS BEEN PURCHASED | 07210000<br>07220000<br>07230000<br>07240000             |
| PERMDB2  | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE DB2 SUBSYSTEM REPORTS ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                     | 07250000<br>07260000<br>07270000<br>07280000             |
| PERMGEN  | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE GENERIC SUBSYSTEM ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                         | 07290000<br>07300000<br>07310000<br>07320000             |
| PERMIDMS | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE IDMS SUBSYSTEM REPORTS ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                    | 07330000<br>07340000<br>07350000<br>07360000             |
| PERMIMS  | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE IMS SUBSYSTEM REPORTS ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                     | 07370000<br>07380000<br>07390000<br>07400000             |
| PERMM204 | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE MODEL 204 SUBSYSTEM REPORTS ONCE THAT SUBSYSTEM HAS BEEN PURCHASED               | 07410000<br>07420000<br>07430000<br>07440000             |
| PERMNETW | THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE FLAGS FOR THE NETWORK SUBSYSTEM REPORTS                                                        | 07450000<br>07460000                                     |

```

 ONCE THAT SUBSYSTEM HAS BEEN PURCHASED 07470000
 07480000
***** 07490000
* CPPR SYSTEM LEASE FLAG ENABLING MEMBERS * 07500000
* * 07501063
* Lease system replaced with a CIMS Lab, Inc. password. * 07502064
* The following members no longer used. For password related * 07503063
* problems please contact technical support. * 07504064
* * 07505063
***** 07510000
LEASACCT LEASAS41 LEASAS41 LEASBASE LEASCICS LEASDASM 07520064
LEASDB2 LEASGEN LEASLNGV LEASM204 LEASNETW LEASTAPE 07530064
LEASUNIX LEASWKLD 07550064
 07790000

```

## D204INIT

```

//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00030000
/* ALLOCATE THE M204 PRODUCTION DATASETS 00040000
//***** 00050000
//ST0 EXEC PGM=IEFBR14 00060000
//DD01 DD DSN=&PREFIX.CPPR.V520.ONLINE.M204,DISP=(,CATLG), 00070000
// DCB=(RECFM=U,BLKSIZE=19069), 00071001
// SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME 00080003
//DD02 DD DSN=&PREFIX.CPPR.V520.INDEX.M204,DISP=(,CATLG), 00090000
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462), 00091001
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00100000
//***** 00110000
/* INITIALIZE THE M204 PERFORMANCE DATABASE 00120000
//***** 00130000
//ST1 EXEC PGM=SSAILOAD 00140000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00150000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00151002
//SYSPRINT DD SYSOUT=* 00160000
//SYSIN DD DUMMY 00170000
//SYSUT1 DD DUMMY 00180000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.M204,DISP=SHR 00190000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.M204,DISP=SHR 00200000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00210004

```

## D204PROD

```

//SSAD204 JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010002
//STA EXEC PGM=SSA1M20W,REGION=5000K,TIME=60 00020000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00030000
//SYSUT1 DD DISP=OLD,DSN=CCAJRNL 00031000
//SYSUT3 DD UNIT=SYSDA,SPACE=(CYL,(30,30)) 00032000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.M204,DISP=SHR 00040000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.M204,DISP=SHR 00050000
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00060000
//CIMPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00061004
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00070000
//SYSPRINT DD SYSOUT=* 00090000
//SYSMSGSD DD SYSOUT=* 00091002
//SYSNAP DD SYSOUT=* 00100000
//SYSUDUMP DD SYSOUT=* 00110000
//SYSIN DD * 00200001
SELECTED SYSTEM=* 00330000
* THE FOLLOWING STATEMENT DESCRIBES THE FORMAT OF THE INPUT. PICK ONE 00331000
SMFILE=JRNL / CCA JOURNAL INPUT 00340000
SMFILE=SMFA / SMF RECORDS FROM THE ACTIVE CLUSTER 00341000
SMFILE=SMFL / SMF RECORDS FROM A LIVE CLUSTER 00342000
SMFILE=SMFH / SMF RECORDS FROM HISTORY 00343000
DUMP SMF STATISTICS=YES 00350000
* FOR SMF RECORDS, THE RECORD NUMBER FOR PERFORMANCE RECORDS IS NEEDED 00360003
* PLEASE UNCOMMENT AND MODIFY THE FOLLOWING: 00361003
*FILTER=254 00370003

```

**D204REPT**

```

//SSAD204 JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010001
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1M20R,REGION=5000K,TIME=60 00030000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040000
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.M204,DISP=SHR 00070000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.M204,DISP=SHR 00080000
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00090000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00091002
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00100000
//SYSPRINT DD SYSOUT=* 00110000
//SYSMSGSD DD SYSOUT=* 00111001
//SYSIN DD * 00120000
SELECTED SYSTEM=* 00130000
M204 EXCEPTION ANALYSIS=YES 00151000
M204 PERFORMANCE REPORT=YES 00152000
M204 TRANSACTION STATISTICS REPORT=YES 00153000
M204 TERMINAL STATISTICS REPORT=YES 00154000
M204 SUMMARY REPORT=YES 00155000
M204 TRANSACTION RESPONSE GRAPH=YES 00156000
M204 TERMINAL RESPONSE GRAPH=YES 00157000
M204 TRANSACTION ACTIVITY GRAPH=YES 00158000
M204 TERMINAL ACTIVITY GRAPH=YES 00159000
M204 CPU ACTIVITY GRAPH=YES 00170000
M204 I/O ACTIVITY GRAPH=YES 00180000
M204 LINEAR LIST=YES 00190000
M204 USERID=XXXX 00191000
M204 USERID PROFILE=YES 00192000
PRIME SHIFT FIRST HOUR=7 00200000
LATE SHIFT FIRST HOUR=19 00210000

```

## DASMCMIT

```

//SSADASM JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
//***** 00020000
//* THIS JOB IS USED TO SCAN ALL THE DASD VOLUMES, BUILD DASM 00030000
//* REPORTS, AND COMMIT THE TABLE TO THE ONLINE PERFORMANCE DATABASE 00040000
//***** 00050000
//SCAN EXEC PGM=SSA1DASM,REGION=OM 00060009
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00070002
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00080002
//CIMPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00081010
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.DASM,DISP=SHR 00090006
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.DASM,DISP=SHR 00100006
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00110002
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00120006
//SYSUDUMP DD SYSOUT=(*) 00130000
//SYSNAP DD SYSOUT=(*) 00140000
//SYSPRINT DD SYSOUT=* 00150000
//SYSMSGSD DD SYSOUT=* 00151004
//***** 00160000
//* IF YOU WANT TO INCLUDE A SPECIFIC SET OF VOLUMES IN THE 00170008
//* SCAN, USE: 00171008
//* //INCVOLS DD * 00172008
//* IF YOU WANT TO EXCLUDE A SPECIFIC SET OF VOLUMES FROM THE 00173008
//* SCAN, USE: 00174008
//* //EXCVOLS DD * 00175008
//* - OR - 00176008
//* //VOLLIST DD * 00177008
//***** 00180000
//* IN THIS CASE, DONT EXCLUDE ANY VOLUMES FROM THE PROCESS 00182008
//***** 00183008
//VOLLIST DD DUMMY 00190000
//***** 00200000
//* IGNORE 00210000
//* IGNORE UNDESIREED HIGH LEVEL QUALIFIERS 00220000
//***** 00230000
//* $IGN 00240000
//DSNLIST DD * 00250000
SYS* 00260004
/* 00480000
//SYSIN DD * 00490000
DSNAME SELECTION=EXCLUDE 00500000
DASD MAPPING REPORT=YES 00510000
OWNER ALLOCATION THRESHOLD=45 /* ONLY PRINT OWNERS WITH ALLOCATIONS 00520000
* 00530000
* GREATER THAN 45 MEGABYTES
DEVICE TYPE REPORT=YES 00540000
VOLUME ALLOCATION REPORT=YES 00550000
COMMIT 00560000
* IF YOUR DASD FARM IS SMS MANAGED, THE D-CAF LOADLIB SHOULD BE APF 00570005
* AUTHORIZED AND YOU MUST UNCOMMENT THE FOLLOWING STATEMENT: 00580005
*SMFILE=CVAF 00590005
* IF YOU WANT TO SEE UNUSED SPACE BY VSAM ALSO, UNCOMMENT THE 00600007
* FOLLOWING STATEMENT. BE AWARE THAT THE PROCESS WILL BE MUCH 00610007
* LONGER (@10X) AS THE CATALOG MUST BE ACCESSED FOR EACH VSAM ENTRY 00611007
*DASM VSAM STATISTICS=YES 00620007

```

## DASMCOLW

```

//SSADASM JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
//***** 00010105
//* THIS STEP PRODUCES THE DCOLLECT INPUT TO THE DATA REDUCTION 00010205
//* STEP (SCAN) 00010305
//***** 00010405
//DCOLLECT EXEC PGM=IDCAMS 00011005
//SYSPRINT DD SYSOUT=* 00012005
//DCOUT DD DSN=&&TEMP, 00013005
// DISP=(NEW,PASS),UNIT=DISK,SPACE=(CYL,(1,1)), 00014005
// DCB=(LRECL=644,BLKSIZE=0,RECFM=VB) 00015005
//MCDS DD DSN=DFHSMPC.MCDS,DISP=SHR 00016005
//BCDS DD DSN=DFHSMPC.BCDS,DISP=SHR 00017005
//SYSIN DD * 00018005
 DCOLLECT - 00019005
 OUTFILE(DCOUT) - 00019105
 VOLUMES(- 00019205
 * - 00019305
) - 00019405
 MIGRATEDATA - 00019505
 CAPPLANDATA 00019606
/* END OF DCOLLECT COMMAND 00019805
//***** 00020000
//* THIS STEP PROCESSES DCOLLECT INPUT TO PRODUCE DASM TABLES AND 00030005
//* OPTIONALLY TO PRODUCE AN AD HOC REPORT 00040000
//***** 00050000
//SCAN EXEC PGM=SSA1DCLW,REGION=OM 00060004
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00070000
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00080000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00081007
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.DASM,DISP=SHR 00090000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.DASM,DISP=SHR 00100000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00110000
//***** 00111005
//* THE FOLLOWING DATASET WAS PASSED FROM THE 1ST STEP. OPTIONALLY 00112005
//* A PERMANENT DATASET CAN BE USED 00113005
//***** 00114005
//SYSUT1 DD DISP=OLD,DSN=*.DCOLLECT.DCOUT 00120005
//SYSUT3 DD SPACE=(CYL,(50,8)),UNIT=SYSDA,DISP=(,PASS) 00130005
//SYSUDUMP DD SYSOUT=(*) 00140000
//SYSNAP DD SYSOUT=(*) 00150000
//SYSPRINT DD SYSOUT=* 00160000
//SYSMSGSD DD SYSOUT=* 00170000
//***** 00180003
//* IF YOU WANT TO INCLUDE A SPECIFIC SET OF VOLUMES IN THE 00190003
//* SCAN, USE: 00200003
//* //INCVOLS DD * 00210003
//* IF YOU WANT TO EXCLUDE A SPECIFIC SET OF VOLUMES FROM THE 00211003
//* SCAN, USE: 00212003
//* //EXCVOLS DD * 00213003
//* - OR - 00214003
//* //VOLLIST DD * 00215003
//***** 00216003
//* IN THIS CASE, DONT EXCLUDE ANY VOLUMES FROM THE PROCESS 00217003
//***** 00218003
//VOLLIST DD DUMMY 00219003
//***** 00220000

```

DASMCOLW

```
//* IGNORE 00230000
//* IGNORE UNDESIRE HIGH LEVEL QUALIFIERS 00240000
/***** 00250000
//* $IGN 00260000
//DSNLIST DD * 00270000
SYS* 00280000
/* 00290000
//SYSIN DD * 00300000
DSNAME SELECTION=EXCLUDE 00310000
DASD MAPPING REPORT=YES 00320000
OWNER ALLOCATION THRESHOLD=45 /* ONLY PRINT OWNERS WITH ALLOCATIONS 00330000
* GREATER THAN 45 MEGABYTES 00340000
DEVICE TYPE REPORT=YES 00350000
VOLUME ALLOCATION REPORT=YES 00360000
* IF YOU DONT WANT TO STORE THE TABLES, COMMENT OUT THE FOLLOWING: 00370000
COMMIT 00380000
* IF YOU WANT AN AD HOC REPORT FOR A DATASET, UNCOMMENT THE FOLLOWING: 00390000
DSNAME=&PREFIX.CPPR 00400000
* IF YOU WANT TO SEE UNUSED SPACE BY VSAM ALSO, UNCOMMENT THE 00410002
* FOLLOWING STATEMENT. BE AWARE THAT THE PROCESS WILL BE MUCH 00420002
* LONGER (@10X) AS THE CATALOG MUST BE ACCESSED FOR EACH VSAM ENTRY 00430002
*DASM VSAM STATISTICS=YES 00440002
```



## DASMINIT

```

//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00030000
/* ALLOCATE THE CPPR PRODUCTION DATASETS 00040000
//***** 00050000
//ST0 EXEC PGM=IEFBR14 00060000
//DD01 DD DSN=&PREFIX.CPPR.V520.ONLINE.DASM,DISP=(,CATLG), 00070000
// DCB=(RECFM=U,BLKSIZE=19069), 00071000
// SPACE=(CYL,(50,10)),UNIT=SYSDA,VOL=SER=&VOLUME 00080002
//DD02 DD DSN=&PREFIX.CPPR.V520.INDEX.DASM,DISP=(,CATLG), 00110000
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462), 00111000
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00120000
//***** 00154000
/* INITIALIZE THE DASM PERFORMANCE DATABASE 00155000
//***** 00156000
//ST1 EXEC PGM=SSAILOAD 00157000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00158000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00158101
//SYSPRINT DD SYSOUT=* 00159000
//SYSIN DD DUMMY 00160000
//SYSUT1 DD DUMMY 00170000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.DASM,DISP=SHR 00180000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.DASM,DISP=SHR 00190000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00191003

```

## DCICINIT

```

//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00030000
//* ALLOCATE THE CICS PRODUCTION DATASETS 00040000
//***** 00050000
//ST0 EXEC PGM=IEFBR14 00060000
//DD01 DD DSN=&PREFIX.CPPR.V520.ONLINE.CICS,DISP=(,CATLG), 00070000
// DCB=(RECFM=U,BLKSIZE=19069), 00071001
// SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME 00080003
//DD02 DD DSN=&PREFIX.CPPR.V520.INDEX.CICS,DISP=(,CATLG), 00110000
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462), 00111001
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00120000
//***** 00160000
//* INITIALIZE THE CICS PERFORMANCE DATABASE 00170000
//***** 00180000
//ST1 EXEC PGM=SSAILOAD 00190000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00191000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00191102
//SYSPRINT DD SYSOUT=* 00192000
//SYSIN DD DUMMY 00193000
//SYSUT1 DD DUMMY 00194000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.CICS,DISP=SHR 00195000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.CICS,DISP=SHR 00196000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00197004

```

## DCICNROL

```

//SSAREGC JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAIREGC,REGION=OM 00030003
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040001
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00041002
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00050001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00051004
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00060000
//SYSPRINT DD SYSOUT=* 00070000
//SYSNAP DD SYSOUT=* 00080000
//SYSIN DD * 00090000
SELECTED SYSTEM=* 00100000
CICSNAME=CICSPROD 00110000
//ST2 EXEC PGM=SSAIREGC,REGION=OM 00120003
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00130001
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00131002
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00140001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00141004
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00150000
//SYSPRINT DD SYSOUT=* 00160000
//SYSNAP DD SYSOUT=* 00170000
//SYSIN DD * 00180000
SELECTED SYSTEM=* 00190000
CICSNAME=CICSTEST 00200000

```

## DCICPROD

```

//SSADCIC JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//* * * * THIS STEP IS ONLY NECESSARY IF THE INPUT COMES FROM A JOURNAL 00021003
//STO EXEC PGM=SSAILMPP 00030000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040001
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00041007
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00042008
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00043012
//SYSPRINT DD SYSOUT=* 00050000
//SYSMSGSD DD SYSOUT=* 00051004
//SYSUT1 DD DISP=SHR,DSN=&PREFIX.CICS161.DFHJ99B 00060000
// DD DISP=SHR,DSN=&PREFIX.CICS161.DFHJ99A 00070000
//SYSUT2 DD DISP=(,PASS),SPACE=(CYL,(10,10)),UNIT=SYSDA,DSN=&&SORTIN 00080000
//SYSNAP DD SYSOUT=* 00090000
//SYSUDUMP DD SYSOUT=* 00100000
//SYSIN DD * 00110000
SELECTED SYSTEM=* 00120000
SMFILE=110J 00130000
//SORT EXEC PGM=SORT,REGION=OM 00140011
//SYSOUT DD SYSOUT=* 00150000
//SORTIN DD DISP=(OLD,DELETE),DSN=&&SORTIN 00160000
//SORTOUT DD DISP=(,PASS),SPACE=(CYL,(10,10)),UNIT=SYSDA,DSN=&&SRTOUT 00170000
//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(3)) 00180000
//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(3)) 00190000
//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(3)) 00200000
//SYSIN DD * 00210000
SORT FIELDS=(11,04,CH,A,07,04,CH,A) 00220000
END 00230000
//ST1 EXEC PGM=SSAICICW,REGION=OM 00240011
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00250001
//SYSNAP DD SYSOUT=* 00260000
//SYSUDUMP DD SYSOUT=* 00270000
//SYSUT1 DD DISP=(OLD,PASS),DSN=&&SRTOUT 00280000
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.CICS 00290001
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.CICS 00300001
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00310001
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00311012
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00320001
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00330000
//SYSPRINT DD SYSOUT=* 00340000
//SYSMSGSD DD SYSOUT=* 00341004
//SYSIN DD * 00350000
SELECTED SYSTEM=* 00360000
DUMP SMF STATISTICS=YES 00360109
***** 00361005
* IF YOU ARE USING THE ACCOUNTING SUBSYSTEM TO PRODUCE ACCOUNTING 00362005
* RECORDS, THE FOLLOWING KEY PHRASE MAY BE USED: 00363005
*ACCOUNTING=CICS TRANSACTION 00364005
* THE OUTPUT WILL BE DIRECTED TO SYSUT10 00365005
* * * * * 00365110
* THE DEFAULT ACCOUNTING KEY FIELD (USERID) IS THE TRANSACTION NAME. 00365210
* IF YOU WISH THE USERID FIELD TO CONTAIN THE USERID, PLEASE SPECIFY 00365310
*PRIMARY ACCOUNT KEY=USERID 00365410
* IF YOU WISH THE USERID FIELD TO CONTAIN THE TERMINAL, PLEASE SPECIFY 00365510
*PRIMARY ACCOUNT KEY=TERMINAL NAME 00365610
***** 00365710

```

|                                                                  |          |
|------------------------------------------------------------------|----------|
| * IF YOU WISH THE RECORDS TO BE PROCESSED BY THE CIMS CHARGEBACK | 00365806 |
| * SYSTEM, PLEASE SPECIFY:                                        | 00365906 |
| *CIMS ACCOUNTING FORMAT=YES                                      | 00366006 |

## DCICREPT

```

//SSAREPT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1CICR,REGION=0M 00030010
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040001
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.CICS,DISP=SHR 00070001
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.CICS,DISP=SHR 00080001
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00090001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00091012
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00100001
//SYSPRINT DD SYSOUT=* 00110000
//SYSMSGSGS DD SYSOUT=* 00120006
//SYSIN DD * 00130000
SELECTED SYSTEM=* 00140000
CICSNAME=CICSPROD 00150000
CICS SUMMARY REPORT=YES 00160008
CICS EXCEPTION ANALYSIS=YES 00170002
CICS SYSTEM OVERVIEW=YES 00180007
CICS PERFORMANCE REPORT=YES 00190000
CICS TRANSACTION STATISTICS REPORT=YES 00200000
CICS TRANSACTION ACTIVITY LIST=YES 00210008
CICS TRANSACTION RESPONSE GRAPH=YES 00220000
CICS TRANSACTION ACTIVITY GRAPH=YES 00230000
CICS CPU ACTIVITY GRAPH=YES 00240000
CICS I/O ACTIVITY GRAPH=YES 00250000
CICS TERMINAL STATISTICS REPORT=YES 00260008
CICS TERMINAL ACTIVITY LIST=YES 00270008
CICS TERMINAL RESPONSE GRAPH=YES 00280008
CICS TERMINAL ACTIVITY GRAPH=YES 00290008
* * THE TRANSACTION NAME BELOW ONLY REFERS TO THE PROFILE REPORT * * 00300008
CICS TRANSACTION NAME=CSSN 00310008
CICS TRANSACTION PROFILE=YES 00320008
* 00330009
* * * IF YOU WANT TO SORT EITHER THE TRANSACTION ACTIVITY LIST OR 00340009
* * * THE TERMINAL ACTIVITY LIST, USE THE FOLLOWING STATEMENT: 00350009
*ASCENDING SORT COLUMN=3 00360009
* OR 00370009
*DESCENDING SORT COLUMN=3 00380009
* * * WHERE THE COLUMN NUMBER REFERS TO THE COLUMN IN THE REPORT 00390009
* * * COUNTING FROM THE LEFT, BEGINNING WITH 1 00400009
* 00410011
* FOR A SORTED LIST, ONLY THE TOP 50 ELEMENTS ARE SHOWN. TO INCREASE 00420011
* OR DECREASE THIS SIZE (UP TO A MAXIMUM OF 255), USE: 00430011
*SORT LIST SIZE=TOP100 00440011
* 00450009
PRIME SHIFT FIRST HOUR=7 00460000
LATE SHIFT FIRST HOUR=19 00470000
** IF YOU WANT TO PROCESS MULTIPLE CICS REGIONS INTO A SINGLE 00480005
** SUPER REGIONAL REPORT, USE THE //INCNAMES DD STATEMENT BELOW 00490005
** AND REMOVE THE CICSNAME STATEMENT IN THE SYSIN. 00500005
* //INCNAMES DD * 00510005
* CICSPROD 00520005
* CICSTEST 00530005

```

\*\* IF YOU ONLY WANT THE REPORTS TO REFLECT ACTIVITY FOR A GIVEN      00540005  
\*\* SUBSET OF TRANSACTIONS, USE THE //EXCLUDE OR //INCLUDE FUNCTION.    00550005

## DCICSMF

```

//SSADCIC JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00040014
//* THIS STEP EXTRACTS THE C110 CICS DATA INTO A CMF2 * 00050014
//* RECORD, SUITABLE FOR PROCESSING BY THE CHARGEBACK SYSTEM * 00060014
//***** 00070014
//ST1001 EXEC PGM=SSA1CMFX,REGION=OM 00080014
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00090014
//SYSNAP DD SYSOUT=* 00100014
//SYSUDUMP DD SYSOUT=* 00110014
//***** 00120014
//* THE FOLLOWING LIBRARY CONTAINS THE DICTIONARY RECORDS * 00130014
//***** 00140014
//CMF2DCTN DD DISP=SHR,DSN=&PREFIX.CPPR.CMF2DCTN 00150014
//***** 00160014
//* THE FOLLOWING FILE CONTAINS THE C110 INPUT RECORDS * 00170014
//***** 00180014
//SYSUT1 DD DISP=SHR,DSN=SMF.INPUT.FILE 00190014
//***** 00200014
//* THE FOLLOWING FILE CONTAINS THE CMF2 OUTPUT RECORDS * 00210014
//***** 00220014
//SYSUT2 DD DISP=(,CATLG),UNIT=SYSDA,SPACE=(CYL,(10,10),RLSE), 00230015
// DCB=(LRECL=200,BLKSIZE=27800,RECFM=FB), 00240014
// DSN=&PREFIX.CPPR.C110XTR1.SYSUT2 00250014
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00260014
//SYSPRINT DD SYSOUT=* 00270014
//SYSMSGSD DD SYSOUT=* 00280014
//SYSIN DD * 00290014
SELECTED SYSTEM=PROD 00300014
//* 00310014
//***** 00320014
//* THE NEXT STEP SORTS THE OUTPUT BY TRANSACTION * 00330014
//* NAME WITHIN TIME WITHIN DATE WITHIN APPLID * 00340014
//***** 00350014
//ST2001 EXEC PGM=SORT,REGION=OM 00360014
//* 00370014
//SYSOUT DD SYSOUT=* 00380014
//* 00390014
//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50),,CONTIG) 00400015
//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50),,CONTIG) 00410015
//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50),,CONTIG) 00420015
//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50),,CONTIG) 00430015
//* 00440014
//SORTIN DD DISP=SHR,DSN=*.ST1001.SYSUT2 00450014
//* 00460014
//SORTOUT DD DSN=&PREFIX.CPPR.CMF2.SORTED, 00470014
// DISP=(,CATLG),UNIT=SYSDA,SPACE=(CYL,(50,10),RLSE), 00480015
// DCB=(RECFM=FB,LRECL=200,BLKSIZE=27800) 00490014
//* 00500014
//SYSIN DD *,DCB=BLKSIZE=80 00510014
SORT FIELDS=(057,08,CH,A,009,04,PD,A,045,04,CH,A,005,04,BI,A) 00520014
//* 00530014
//***** 00540014
//* THE NEXT STEP REDUCES THE CMF2 RECORDS INTO THE CPPR PDB * 00550014
//***** 00560014
//ST3001 EXEC PGM=SSA1ICW,REGION=OM 00570014

```



```

//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00580014
//SYSNAP DD SYSOUT=* 00590014
//SYSUDUMP DD SYSOUT=* 00600014
//ONLINE DD DISP=SHR, 00610014
// DSN=&PREFIX.CPPR.V520.ONLINE.CICS 00620014
//INDEX DD DISP=SHR, 00630014
// DSN=&PREFIX.CPPR.V520.INDEX.CICS 00640014
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00650014
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00660014
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00670014
//SYSUT1 DD DISP=SHR,DSN=*.ST2001.SORTOUT 00680014
//SYSPRINT DD SYSOUT=* 00690014
//SYSMSG DD SYSOUT=* 00700014
//SYSIN DD * 00710014
SELECTED SYSTEM=PROD 00720014
SMFILE=CMF2 00730014
DUMP SMF STATISTICS=YES 00740014
NO SMF SID=YES 00750014
* The following presumes Local time is 6 hours west of GMT 00760014
GMT OFFSET=W,6 00770014

```

## DCICTMON

```

//SATMON JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00021012
//* * 00021112
//* THE FIRST STEP EXTRACTS THE TMON CICS DATA INTO A CIMS CMF2 * 00022012
//* RECORD, SUITABLE FOR PROCESSING BY CIMS CPPR AND CIMS OS/390.* 00023012
//* * 00023112
//***** 00024012
//* 00024112
//ST1001 EXEC PGM=SSAITMN,REGION=OM 00025012
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00025112
// DD DISP=SHR,DSN=TMON.VENDOR.TCELOAD 00027012
//* 00027112
//SYSNAP DD SYSOUT=* 00028012
//SYSUDUMP DD SYSOUT=* 00029012
//* 00029112
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00029212
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00029312
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00029412
//* 00029512
//***** 00029612
//* THE FOLLOWING FILE CONTAINS THE TMON INPUT FILE * 00029712
//***** 00029812
//SYSUT1 DD DISP=SHR,DSN=&PREFIX.MONITOR.DAILY.DUMP(0) 00029912
//* 00030012
//***** 00030112
//* THE FOLLOWING FILE CONTAINS THE OUTPUT IN CIMS CMF2 FORMAT * 00030212
//***** 00030312
//SYSUT2 DD DSN=&PREFIX.MONITOR.CMF2, 00030512
// DCB=(LRECL=200,BLKSIZE=27800,RECFM=FB), 00030614
// SPACE=(CYL,(100,50),RLSE),UNIT=SYSDA,DISP=(,PASS) 00030715
//* 00030812
//SYSPRINT DD SYSOUT=* 00030912
//SYSMSG DD SYSOUT=* 00031012
//SYSIN DD * 00031112
SELECTED SYSTEM=SYSA 00031212
/* 00031312
//* 00031412
//***** 00031512
//* THE NEXT STEP SORTS THE OUTPUT BY TIME WITHIN TRANSACTION * 00031612
//* NAME WITHIN DATE WITHIN APPLID * 00031712
//***** 00031812
//* 00031912
//ST2001 EXEC PGM=SORT,REGION=OM 00032012
//SYSOUT DD SYSOUT=* 00032112
//* 00032212
//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50),,CONTIG) 00032315
//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50),,CONTIG) 00032415
//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50),,CONTIG) 00032515
//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50),,CONTIG) 00032615
//* 00032712
//SORTIN DD DISP=SHR,DSN=*.ST1001.SYSUT2 00032812
//* 00032912
//SORTOUT DD DSN=&PREFIX.CMF2.SYSA.SORTED, 00033312
// DCB=(LRECL=200,BLKSIZE=27800,RECFM=FB), 00033414
// SPACE=(CYL,(50,10),RLSE),UNIT=SYSDA,DISP=(,PASS) 00033515

```

```

//*
//SYSIN DD *,DCB=BLKSIZE=80
SORT FIELDS=(057,08,CH,A,009,04,PD,A,045,04,CH,A,005,04,BI,A)
/*
//*
//*****
//* THE NEXT STEP REDUCES THE CMF2 RECORDS INTO THE CPPR PDB *
//*****
//ST3001 EXEC PGM=SSAICICW,REGION=OM
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR
//SYSNAP DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//*
//SYSUT1 DD DISP=SHR,DSN=*.ST2001.SORTOUT
//*
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.CICS
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.CICS
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM)
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB
//*
//SYSUT3 DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS)
//SSASPILL DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS)
//SYSPRINT DD SYSOUT=*
//SYSMSGGS DD SYSOUT=*
//SYSIN DD *
SELECTED SYSTEM=SYSA
CICS LINEAR LIST=YES
SMFILE=CMF2
DUMP SMF STATISTICS=YES
FORCE CICS INPUT=YES
NO SMF SID=YES
* * * * * IF YOU WISH TO SELECT A SPECIFIC REGION, SPECIFY:
*CICSNAME=CICSPROD
* * * * * OTHERWISE, ALL REGISTERED REGIONS WILL BE PROCESSED.
* * * * * THE CICS TRANSACTION ID IS THE DEFAULT KEY TO THE TABLE
* * * IF YOU PREFER TO USE THE USERID OR THE PROGRAM NAME, SPECIFY:
* PRIMARY ELEMENT KEY=USERID /* USERID IS THE KEY */
* PRIMARY ELEMENT KEY=PROGRAM /* PROGRAM NAME IS THE KEY */

* IF YOU ARE USING THE ACCOUNTING SUBSYSTEM TO PRODUCE ACCOUNTING
* RECORDS, THE FOLLOWING KEY PHRASE MAY BE USED:
*ACCOUNTING=CICS TRANSACTION
* THE OUTPUT WILL BE DIRECTED TO SYSUT10
* * * * *
* THE DEFAULT ACCOUNTING KEY FIELD (USERID) IS THE TRANSACTION NAME.
* IF YOU WISH THE USERID FIELD TO CONTAIN THE USERID, PLEASE SPECIFY
*PRIMARY ACCOUNT KEY=USERID
* IF YOU WISH THE USERID FIELD TO CONTAIN THE TERMINAL, PLEASE SPECIFY
*PRIMARY ACCOUNT KEY=TERMINAL NAME
/*
//*
//*****
//* THE NEXT STEP PRINTS A SUMMARY REPORT FOR CICSC2P *
//*****
//ST4001 EXEC PGM=SSAICICR,REGION=OM
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR
//*
//SYSNAP DD SYSOUT=*

```

## ■ Control Library JCL Examples

---

### *DCICTMON*

```
//SYSUDUMP DD SYSOUT=* 01230012
//ONLINE DD DISP=(SHR,PASS),DSN=*.ST3001.SYSUT3 01240012
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 01261013
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 01262013
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 01263013
//SYSPRINT DD SYSOUT=* 01270012
//SYSMSGs DD SYSOUT=* 01280012
//SYSIN DD * 01290012
SELECTED SYSTEM=SYSA 01300012
CICS LINEAR LIST=YES 01310012
CICSNAME=CICSC2P 01320012
/* 01380013
//* 01440013
```

## DDB2INIT

```

//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00030000
//* ALLOCATE THE DB2 PRODUCTION DATASETS 00040000
//***** 00050000
//ST0 EXEC PGM=IEFBR14 00060000
//DD01 DD DSN=&PREFIX.CPPR.V520.ONLINE.DB2,DISP=(,CATLG), 00070000
// DCB=(RECFM=U,BLKSIZE=19069), 00071001
// SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME 00080003
//DD02 DD DSN=&PREFIX.CPPR.V520.INDEX.DB2,DISP=(,CATLG), 00090000
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462), 00091001
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00100000
//***** 00110000
//* INITIALIZE THE DB2 PERFORMANCE DATABASE 00120000
//***** 00130000
//ST1 EXEC PGM=SSAILOAD 00140000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00150000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00151002
//SYSPRINT DD SYSOUT=* 00160000
//SYSIN DD DUMMY 00170000
//SYSUT1 DD DUMMY 00180000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.DB2,DISP=SHR 00190000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.DB2,DISP=SHR 00200000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00210004

```

## DDB2NRL1

```

//SSAREGR JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1REGR,REGION=OM 00030002
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00041001
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00050000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00051003
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00060000
//SYSPRINT DD SYSOUT=* 00070000
//SYSNAP DD SYSOUT=* 00080000
//SYSIN DD * 00090000
SELECTED SYSTEM=* 00100000
DB2 SUBSYSTEM NAME=DB2P 00110000
//ST2 EXEC PGM=SSA1REGR,REGION=OM 00120002
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00130000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00131001
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00140000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00141003
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00150000
//SYSPRINT DD SYSOUT=* 00160000
//SYSNAP DD SYSOUT=* 00170000
//SYSIN DD * 00180000
SELECTED SYSTEM=* 00181000
DB2 SUBSYSTEM NAME=DB2T 00182000

```

## DDB2NRL2

```

//SSAREGB JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAIREGB,REGION=OM 00030002
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00041001
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00050000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00051003
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00060000
//SYSPRINT DD SYSOUT=* 00070000
//SYSNAP DD SYSOUT=* 00080000
//SYSIN DD * 00090000
SELECTED SYSTEM=* 00100000
DB2NAME=CICSPROD 00110000
//ST2 EXEC PGM=SSAIREGB,REGION=OM 00120002
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00130000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00131001
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00140000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00141003
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00150000
//SYSPRINT DD SYSOUT=* 00160000
//SYSNAP DD SYSOUT=* 00170000
//SYSIN DD * 00180000
SELECTED SYSTEM=* 00190000
DB2NAME=CICSTEST 00200000

```

## DDB2PROD

```

//SSADDB2 JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1DB2W,REGION=OM 00030006
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040000
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//SYSUT1 DD DISP=OLD,DSN=SMF.DUMP 00070000
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.DB2 00080000
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.DB2 00090000
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00100000
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00101007
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00110000
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00120000
//SSASPIILL DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS) 00130000
//SYSPRINT DD SYSOUT=* 00140000
//SYSMSGGS DD SYSOUT=* 00150001
//SYSIN DD * 00160000
SELECTED SYSTEM=* 00170000
DUMP SMF STATISTICS=YES 00180000
* * * * * IF GMT IS NOT THE SAME AS LOCAL: 00190003
GMT OFFSET=W,8 / LOCAL TIME IS 8 HOURS WEST OF GMT */ 00200003
* 00640005
* IF YOU ARE USING THE ACCOUNTING SUBSYSTEM TO PRODUCE ACCOUNTING
* RECORDS, THE FOLLOWING KEY PHRASE MAY BE USED: 00650004
*ACCOUNTING=DB2 TRANSACTION 00660004
* 00670005
* THE OUTPUT WILL BE DIRECTED TO SYSUT10 00680004
* 00681005
* IF YOU WISH THE USERID FIELD TO CONTAIN THE PLANNAME, PLEASE SPECIFY 00690005
*PRIMARY ACCOUNT KEY=PLAN NAME 00710005
* 00711005
* IF YOU WISH THE RECORDS TO BE PROCESSED BY THE CIMS CHARGEBACK
* SYSTEM, PLEASE SPECIFY: 00720005
*CIMS ACCOUNTING FORMAT=YES 00730005
* 00740005

```



**DDB2REPT**

```

//SSADB2R JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1DB2R,REGION=0M 00030002
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040000
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.DB2,DISP=SHR 00070000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.DB2,DISP=SHR 00080000
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00090000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00091004
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00100000
//SYSPRINT DD SYSOUT=* 00110000
//SYSMSGSDD SYSOUT=* 00111001
//SYSIN DD * 00120000
SELECTED SYSTEM=* 00130000
BEGIN DATE=01/25/1997 00140003
END DATE=01/25/1997 00150003
* 00160000
DB2 SYSTEM WIDE SUMMARY REPORT=YES 00170000
DB2 SUBSYSTEM NAME=DB2P 00180000
* 00190000
DB2NAME=**OTHER 00200000
DB2 CONNECTION:PLAN SUMMARY REPORT=YES 00210000
DB2 CONNECTION:PLAN PERFORMANCE REPORT=YES 00220000
DB2 CONNECTION:PLAN STATISTICS REPORT=YES 00230000
DB2 CONNECTION:PLAN COMMIT ACTIVITY GRAPH=YES 00240000
DB2 CONNECTION:PLAN THREAD TRANSIT TIME GRAPH=YES 00250000
DB2 CONNECTION:PLAN SQL ACTIVITY GRAPH=YES 00260000
DB2 CONNECTION:PLAN EXCEPTION ANALYSIS=YES 00270000
DB2 PLAN PROFILE=YES 00280000
DB2 PLAN NAME=RTPPU001 00290000
* 00300000
DB2NAME=**OTHER 00310000
DB2 CONNECTION:AUTH-ID SUMMARY REPORT=YES 00320000
DB2 CONNECTION:AUTH-ID PERFORMANCE REPORT=YES 00330000
DB2 CONNECTION:AUTH-ID STATISTICS REPORT=YES 00340000
DB2 CONNECTION:AUTH-ID COMMIT ACTIVITY GRAPH=YES 00350000
DB2 CONNECTION:AUTH-ID THREAD TRANSIT TIME GRAPH=YES 00360000
DB2 CONNECTION:AUTH-ID SQL ACTIVITY GRAPH=YES 00370000
DB2 CONNECTION:AUTH-ID EXCEPTION ANALYSIS=YES 00380000
DB2 AUTH-ID PROFILE=YES 00390000
DB2 AUTH-ID NAME=DPA6 00400000
* 00410000

```

## DIDMINIT

```

//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00030000
//* ALLOCATE THE IDMS PRODUCTION DATASETS 00040000
//***** 00050000
//ST0 EXEC PGM=IEFBR14 00060000
//DD01 DD DSN=&PREFIX.CPPR.V520.ONLINE.IDMS,DISP=(,CATLG), 00070000
// DCB=(RECFM=U,BLKSIZE=19069), 00071002
// SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME 00080004
//DD02 DD DSN=&PREFIX.CPPR.V520.INDEX.IDMS,DISP=(,CATLG), 00090000
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462), 00091002
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00100000
//***** 00110000
//* INITIALIZE THE IDMS PERFORMANCE DATABASE 00120000
//***** 00130000
//ST1 EXEC PGM=SSAILOAD 00140000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00150000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00151003
//SYSPRINT DD SYSOUT=* 00160000
//SYSMSGSD DSN=&PREFIX.CPPR.V520.SYSMSGSD,DISP=SHR 00161001
//SYSIN DD DUMMY 00170000
//SYSUT1 DD DUMMY 00180000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.IDMS,DISP=SHR 00190000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.IDMS,DISP=SHR 00200000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00210005

```

## DIDML102

```

//SSADIDM JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1IDMW,REGION=5000K,TIME=60 00030001
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040000
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//SYSUT1 DD DISP=SHR,DSN=IDMS.R102.LOG 00070000
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.IDMS 00080000
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.IDMS 00090000
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00100000
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00101003
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00110000
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00120000
//SYSPRINT DD SYSOUT=* 00130000
//SYSMSGSGS DD SYSOUT=* 00131002
//SYSIN DD * 00140000
SELECTED SYSTEM=* 00150000
IDMSNAME=IDMSCVO 00160000
SMFILE=L102 00170000

```

## DIDMNROL

```

//SSAREGD JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAIREGD,REGION=1024K 00030000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040001
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00041003
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00050001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00051006
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00060000
//SYSPRINT DD SYSOUT=* 00070000
//SYSNAP DD SYSOUT=* 00080000
//SYSIN DD * 00090000
SELECTED SYSTEM=* 00100000
* THE IDMSNAME CAN BE ANY NAME UP TO 8 BYTES LONG THAT THE USER CHOOSES 00101004
* TO ASSOCIATE WITH THE IDMS REGION. 00102004
IDMSNAME=IDMSCVO 00110000
* THE ALIASNAME STATEMENT ASSOCIATES AN EXTERNAL CV# WITH THE NAME 00111005
* SPECIFIED BY THE IDMSNAME PARAMETER. THE ALIAS NAME IS A REQUIRED 00111104
* PARAMETER ONLY IF YOU ARE PROCESSING SMF DATA. IT CONSISTS OF 00111205
* THE CHARACTERS CV# FOLLOWED BY A FIVE DIGIT NUMBER CONTAINING 00111305
* THE DECIMAL EQUIVALENT OF THE RIGHTMOST BYTE OF THE TWO-BYTE EXTERNAL 00111405
* CV NUMBER (DISPLACEMENT X'16-17' FROM THE BEGINNING OF THE RECORD). 00111605
ALIASNAME=CV#00016 00114004
//ST2 EXEC PGM=SSAIREGD,REGION=1024K 00120000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00130001
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00131003
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00140001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00141007
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00150000
//SYSPRINT DD SYSOUT=* 00160000
//SYSNAP DD SYSOUT=* 00170000
//SYSIN DD * 00180000
SELECTED SYSTEM=* 00190000
IDMSNAME=IDMSCV1 00200000
ALIASNAME=CV#00023 00220002

```

## DIDMPL12

```

//SSADIDM JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1IDMW,REGION=5000K,TIME=60 00030000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040000
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//SYSUT1 DD DISP=SHR,DSN=IDMS.R102.LOG 00070000
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.IDMS 00080000
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.IDMS 00090000
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00100000
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00101001
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00110000
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00120000
//SYSPRINT DD SYSOUT=* 00130000
//SYSMSG DD SYSOUT=* 00131000
//SYSIN DD * 00132000
* PROCESS PERFMON RECORDS FROM THE R12 DCLOG 00132100
* IDMSNAME MUST BE SPECIFIED 00132200
SELECTED SYSTEM=* 00133000
IDMSNAME=IDMSCVO 00134000
SMFILE=PL12 00135000

```

# DIDMPROD

```
//SSADIDM JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1IDMW,REGION=5000K,TIME=60 00030002
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040001
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//SYSUT1 DD DISP=SHR,DSN=IDMS.LOG 00070000
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.IDMS 00080001
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.IDMS 00090001
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00100001
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00101008
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00110001
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00120000
//SYSPRINT DD SYSOUT=* 00130000
//SYSMSG DD SYSOUT=* 00131003
//SYSIN DD * 00140000
SELECTED SYSTEM=* 00150000
* IF YOU WANT TO REDUCE DATA FOR A SPECIFIC CV, SPECIFY THE 00151006
* REGISTERED NAME IN THE FOLLOWING PARAMETER. OTHERWISE OMIT IT. 00152006
IDMSNAME=IDMSCVO 00160000
* THE FOLLOWING PARAMETER IS USED TO IDENTIFY THE INTERNAL CV#: 00161006
FILTER=016 00162006
* IF YOU WANT TO PROCESS ALL CVS ON A TAPE, SPECIFY: 00163006
FILTER=00,00 00164006
* AND REGISTER THE INTERNAL CV NUMBERS AS ALIASNAMES IN THE DIDMNROL 00165006
* MEMBER OF THIS CNTL LIBRARY (SEE THE EXAMPLE) 00166006
* 00167006
* IF YOU WANT TO USE THE ACCOUNTING SUBSYSTEM, ADD SYSUT10 DD AND 00170004
*ACCOUNTING=IDMS TRANSACTION 00180004
* * * * * 00181007
* THE DEFAULT ACCOUNTING KEY FIELD (USERID) IS THE TRANSACTION NAME. 00182007
* IF YOU WISH THE USERID FIELD TO CONTAIN THE USERID, PLEASE SPECIFY 00183007
*PRIMARY ACCOUNT KEY=USERID 00184007
* IF YOU WISH THE USERID FIELD TO CONTAIN THE TERMINAL, PLEASE SPECIFY 00185007
*PRIMARY ACCOUNT KEY=TERMINAL NAME 00186007
* IF YOU WISH THE RECORDS TO BE PROCESSED BY THE CIMS CHARGEBACK 00260005
* SYSTEM, PLEASE SPECIFY: 00270005
*CIMS ACCOUNTING FORMAT=YES 00280005
***** 00290005
```

## DIDMPSMF

```

//SSADIDM JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1IDMW,REGION=5000K,TIME=60 00030001
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040000
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//SYSUT1 DD DISP=SHR,DSN=SMF.ARCHIVE.FILE 00070000
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.IDMS 00080000
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.IDMS 00090000
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00100000
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00101005
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00110000
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00120000
//SYSPRINT DD SYSOUT=* 00130000
//SYSMSG DD SYSOUT=* 00131003
//SYSIN DD * 00140000
SELECTED SYSTEM=* 00150000
IDMSNAME=IDMSCVO 00160000
SMFILE=SMFH 00170000
*****+-----THIS IS THE SMF RECORD NUMBER FOR IDMS 00171000
* | 00172000
* | +-----THIS IS THE INTERNAL CENTRAL VERSION # 00173000
* | | OR ZERO FOR ALL CVS IN SYSUT1 00174004
* | | 00175000
* V V 00180000
SMF USER RECORD NUMBER=240,06 00180000
* IF YOU WANT TO USE OTHER THAN THE TRANSACTION ID AS THE KEY: 00190002
PRIMARY ELEMENT KEY=PROGRAM / TO USE PROGRAM NAME */ 00200002
PRIMARY ELEMENT KEY=USERID / TO USE USERID AS KEY */ 00210002

```

## DIDMREPT

```

//SSAREPT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1IDMR,REGION=5000K,TIME=60 00030003
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040001
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.IDMS,DISP=SHR 00070001
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.IDMS,DISP=SHR 00080001
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00090001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00091008
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00100001
//SYSPRINT DD SYSOUT=* 00110000
//SYSMSGSGS DD SYSOUT=* 00120004
//SYSIN DD * 00130000
SELECTED SYSTEM=* 00140000
IDMSNAME=IDMSCVO 00150000
PRIME SHIFT FIRST HOUR=7 00160006
LATE SHIFT FIRST HOUR=19 00170006
* 00180006
* * * * * 00190006
* 00200006
IDMS SUMMARY REPORT=YES 00210002
IDMS EXCEPTION ANALYSIS=YES 00220002
IDMS PERFORMANCE REPORT=YES 00230000
IDMS TRANSACTION STATISTICS REPORT=YES 00240000
IDMS TERMINAL STATISTICS REPORT=YES 00250000
IDMS TRANSACTION RESPONSE GRAPH=YES 00260000
IDMS TRANSACTION ACTIVITY GRAPH=YES 00270000
IDMS TERMINAL ACTIVITY GRAPH=YES 00280000
* 00290006
* * * TRANSACTION PROFILE 00300006
* 00310006
IDMS TRANSACTION PROFILE=YES 00320000
IDMS TRANSACTION NAME=SOMETING 00330006
* 00340006
* * * PRIMITIVE GRAPHS 00350006
* 00360006
IDMS CPU ACTIVITY GRAPH=YES 00370000
IDMS I/O ACTIVITY GRAPH=YES 00380000
IDMS D/B ACTIVITY GRAPH=YES 00390005
* 00400006
* * * ELEMENT LISTS 00410006
* 00420006
IDMS TRANSACTION ACTIVITY LIST=YES 00430006
IDMS TERMINAL ACTIVITY LIST=YES 00440006
* 00450006
* * * * * 00460006
* * * IF YOU WANT TO SORT EITHER THE TRANSACTION ACTIVITY LIST OR
* * * THE TERMINAL ACTIVITY LIST, USE THE FOLLOWING STATEMENT:
* * * ASCENDING SORT COLUMN=3 00480006
* * * OR 00490006
* * * OR 00500006
* * * DESCENDING SORT COLUMN=3 00510006
* * * WHERE THE COLUMN NUMBER REFERS TO THE COLUMN IN THE REPORT
* * * COUNTING FROM THE LEFT, BEGINNING WITH 1 00520006
* * * 00530006
* * * 00540007
* * * FOR A SORTED LIST, ONLY THE TOP 50 ELEMENTS ARE SHOWN. TO INCREASE 00550007

```



\* OR DECREASE THIS SIZE (UP TO A MAXIMUM OF 255), USE:  
\*SORT LIST SIZE=TOP100  
\* \* \* \* \*

00560007  
00570007  
00580006

## DIMSINIT

```

//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00030000
//* ALLOCATE THE IMS PRODUCTION DATASETS 00040000
//***** 00050000
//ST0 EXEC PGM=IEFBR14 00060000
//DD01 DD DSN=&PREFIX.CPPR.V520.ONLINE.IMS,DISP=(,CATLG), 00070000
// DCB=(RECFM=U,BLKSIZE=19069), 00071001
// SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME 00080003
//DD02 DD DSN=&PREFIX.CPPR.V520.INDEX.IMS,DISP=(,CATLG), 00090000
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462), 00091001
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00100000
//***** 00110000
//* INITIALIZE THE IMS PERFORMANCE DATABASE 00120000
//***** 00130000
//ST1 EXEC PGM=SSAILOAD 00140000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00150000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00151002
//SYSPRINT DD SYSOUT=* 00160000
//SYSIN DD DUMMY 00170000
//SYSUT1 DD DUMMY 00180000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.IMS,DISP=SHR 00190000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.IMS,DISP=SHR 00200000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00210004

```

## DIMSNROL

```

//SSAREGI JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAIREGI,REGION=1024K 00030000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040001
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00041002
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00050001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00051003
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00060000
//SYSPRINT DD SYSOUT=* 00070000
//SYSNAP DD SYSOUT=* 00080000
//SYSIN DD * 00090000
SELECTED SYSTEM=* 00100000
IMS SYSTEM=IMSA 00110000
//ST2 EXEC PGM=SSAIREGI,REGION=1024K 00120000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00130001
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00131002
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00140001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00141003
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00150000
//SYSPRINT DD SYSOUT=* 00160000
//SYSNAP DD SYSOUT=* 00170000
//SYSIN DD * 00180000
SELECTED SYSTEM=* 00190000
IMS SYSTEM=IMST 00200000

```

## DIMSPROD

```

//SSACPPR JOB (...), 'SSA', CLASS=A, MSGCLASS=X 00010014
/*JOBPARM S=* 00020014
//ST01 EXEC PGM=SSAIWKLD, REGION=5000K, TIME=60 00030014
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB, DISP=SHR 00040014
//SYSNAP DD SYSOUT=* 00050014
//SYSUDUMP DD SYSOUT=* 00060014
//SYSUT1 DD DISP=SHR, DSN=SMF.INPUT.FILE 00070014
/*SYSMAN0 DD DISP=SHR, DSN=SYS1.MANO 00080014
/*SYSMAN1 DD DISP=SHR, DSN=SYS1.MAN1 00090014
/*SYSMAN2 DD DISP=SHR, DSN=SYS1.MAN2 00100014
/*SYSMAN3 DD DISP=SHR, DSN=SYS1.MAN3 00110014
//ONLINE DD DUMMY 00120014
//CPPRERT DD DISP=SHR, DSN=&PREFIX.CPPR.V520.CPPRERT 00130014
//CIMSPASS DD DISP=SHR, DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00131016
//CPPRPARM DD DISP=SHR, DSN=&PREFIX.CPPR.V520.PARMLIB 00140014
//***** 00150014
/* THE FOLLOWING PASSES SMF TYPE 30 RECORDS TO ST03 00160014
//***** 00170014
//SYSUT2 DD SPACE=(CYL,(100,50)), UNIT=SYSDA, DISP=(,PASS) 00180014
//SYSUT3 DD SPACE=(TRK,(1,1)), UNIT=SYSDA, DISP=(,PASS) 00190014
//SYSPRINT DD SYSOUT=* 00200014
//SYSMSGs DD SYSOUT=* 00201014
//SYSIN DD * 00202014
SELECTED SYSTEM=INCLUDE(5) 00203014
* * * DONT PUT ANYTHING INTO THE ONLINE PERFORMANCE DATABASE 00204014
SCANONLY 00205014
* * * PASS SMF TYPE 30 RECORDS INTO THE SYSUT2 FILE * * * 00206014
SYSUT2=YES 00207014
FILTER=30 00208014
//***** 00209014
/* 00209117
/* PREPROCESSES THE IMS LOG RECORDS 00210014
/* 00220014
/* USE STEPS ST0261A AND ST0261B FOR IMS 6.1 00230014
/* 00240014
/* USE STEPS ST0251A AND ST0251B FOR IMS 5.1 00250014
/* 00260014
/* USE STEP ST02 FOR IMF 00270017
/* 00271017
//***** 00271114
/* STEPS ST0261A AND ST0261B 00271214
/* 00271314
/* CIMSLP61 TO PREPROCESS THE IMS LOG FOR BOTH THE CIMS CHARGEBACK 00271414
/* AND THE CAPACITY PLANNER SYSTEMS IN A SINGLE PASS OF 00271514
/* THE IMS LOG DATASET. IMS RELEASE 6.1 00271614
//***** 00271714
/*----- 00271814
/* IF CHARGEBACK IS NOT BEING USED, THEN THIS STEP MAY BE OMITTED. 00271914
/*----- 00272014
//ST0261A EXEC PGM=IEFBR14 00272114
//DELETE1 DD DSN=&PREFIX.CIMSIMS.CIMSIMS1, DISP=(MOD,DELETE), 00272219
// SPACE=(1,1) 00272319
//DELETE7 DD DSN=&PREFIX.CIMSIMS.CIMSIMS7, DISP=(MOD,DELETE), 00272419
// SPACE=(1,1) 00272519
/*----- 00272614
//ST0261B EXEC PGM=CIMSLP61, REGION=OM, TIME=60 00272714

```

```

//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00272819
//SYSUT1 DD DSN=IMS.LOGTAPE,DISP=(OLD,KEEP,KEEP) 00272914
//SYSUT2 DD DSN=&&IMSLOG,DISP=(,PASS), 00273018
// DCB=(LRECL=16000,BLKSIZE=16004,RECFM=VB) 00273119
//CPPRSTAT DD SYSOUT=* 00273214
//SYSPRINT DD SYSOUT=* 00273314
//SYSUDUMP DD SYSOUT=* 00273414
//SYSIN001 DD * 00273514
* PROCESS=CHARGEBACK,CAPACITY PLANNER 00273614
* PROCESS=CAPACITY PLANNER,CHARGEBACK 00273714
* PROCESS=CHARGEBACK 00273814
 PROCESS=CAPACITY PLANNER 00273914
* LAST RUN=YES 00274014
 IMS SYSTEM=IIII 00274114
//*----- 00274214
//* THE FOLLOWING DD STATEMENTS ARE NECESSARY ONLY IF THE 00274314
//* IF THE CIMS CHARGEBACK LOG PROCESSING IS BEING PERFORMED. 00274414
//*----- 00274514
//CIMSPRNT DD SYSOUT=* 00274614
//CIMSIMS1 DD DSN=&PREFIX.CIMSIMS.CIMSIMS1,DISP=(,CATLG,DELETE), 00274714
// LRECL=80,DSORG=PS,RECFM=FB,BUFNO=10,BLKSIZE=3120, 00274814
// SPACE=(CYL,(25,25)) 00274914
//CIMSIMS7 DD DSN=&PREFIX.CIMSIMS.CIMSIMS7,DISP=(,CATLG,DELETE), 00275014
// LRECL=27994,BLKSIZE=27998,DSORG=PS,RECFM=VB, 00275114
// BUFNO=10,SPACE=(CYL,(50,50)) 00275214
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00275316
//*----- 00275414
//* END OF SAMPLE JCL FOR CIMSPLP61 IMS LOG PREPROCESSOR * 00275514
//***** 00275614
//***** 00275714
//* STEPS ST0251A AND ST0251B 00275814
//* CIMSPLP51 TO PREPROCESS THE IMS LOG FOR BOTH THE CIMS CHARGEBACK 00275914
//* AND THE CAPACITY PLANNER SYSTEMS IN A SINGLE PASS OF 00276014
//* THE IMS LOG DATASET. IMS RELEASE 5.1 00276114
//***** 00276214
//*----- 00277014
//* IF CHARGEBACK IS NOT BEING USED, THEN THIS STEP MAY BE OMITTED. 00277114
//*----- 00277214
//ST0251A EXEC PGM=IEFBR14 00277314
//DELETE1 DD DSN=&PREFIX.CIMSIMS.CIMSIMS1,DISP=(MOD,DELETE), 00277419
// SPACE=(1,1) 00277519
//DELETE7 DD DSN=&PREFIX.CIMSIMS.CIMSIMS7,DISP=(MOD,DELETE), 00277619
// SPACE=(1,1) 00277719
//*----- 00277814
//ST02B EXEC PGM=CIMSPLP51,REGION=OM,TIME=60 00277914
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00278014
//SYSUT1 DD DSN=IMS.LOGTAPE,DISP=(OLD,KEEP,KEEP) 00278114
//SYSUT2 DD DSN=&&IMSLOG,DISP=(,PASS), 00278219
// DCB=(DSORG=PS,BLKSIZE=19069,LRECL=3120,RECFM=VB) 00278419
//CPPRSTAT DD SYSOUT=* 00278514
//SYSPRINT DD SYSOUT=* 00278614
//SYSUDUMP DD SYSOUT=* 00278714
//SYSIN001 DD * 00278814
* PROCESS=CHARGEBACK,CAPACITY PLANNER 00278914
* PROCESS=CAPACITY PLANNER,CHARGEBACK 00279014
* PROCESS=CHARGEBACK 00279114
 PROCESS=CAPACITY PLANNER 00279214
* LAST RUN=YES 00279314
 IMS SYSTEM=IIII 00279414

```

```

//*-----
//* THE FOLLOWING DD STATEMENTS ARE NECESSARY ONLY IF THE 00279514
//* IF THE CIMS CHARGEBACK LOG PROCESSING IS BEING PERFORMED. 00279614
//*----- 00279714
//CIMSPRNT DD SYSOUT=* 00279814
//CIMSIMS1 DD DSN=&PREFIX.CIMSIMS.CIMSIMS1,DISP=(,CATLG,DELETE), 00279914
// DCB=(LRECL=200,DSORG=PS,RECFM=VB,BUFNO=40), 00280014
// SPACE=(CYL,(25,25)) 00280114
//CIMSIMS7 DD DSN=&PREFIX.CIMSIMS.CIMSIMS7,DISP=(,CATLG,DELETE), 00280214
// DCB=(LRECL=27994,BLKSIZE=27998,DSORG=PS,RECFM=VB, 00280314
// BUFNO=40),SPACE=(CYL,(50,50)) 00280414
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00280514
//*----- 00280616
//* END OF SAMPLE JCL FOR CIMSPLP51 IMS LOG PREPROCESSOR * 00280814
//***** 00280914
//***** 00281014
//***** 00282017
//* 00282117
//* STEP ST02 FOR IMF 00283017
//* 00284117
//***** 00284917
//ST02 EXEC PGM=IMFCOPY5,REGION=2000K 00285217
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00285317
//SYSUT1 DD DSN=IMS.LOGTAPE,DISP=(OLD,KEEP) 00285417
//SYSUT2 DD DSN=&&IMSLOG,DISP=(,PASS),UNIT=SYSDA, 00285517
// DCB=(DSORG=PS,BLKSIZE=19069,RECFM=VB), 00285617
// SPACE=(CYL,(10,10)) 00285717
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00285817
//SYSUDUMP DD SYSOUT=* 00286017
//*----- 00286117
//* 00286217
//* THE FOUR-CHARACTER IMS SYSTEM ID MUST BE SUBSTITUTED FOR IIII 00286317
//* 00286417
//*----- 00286517
//SYSIN DD * 00286617
IMS SYSTEM=IIII 00286717
/* 00286817
//***** 00286914
//* THIS STEP SORTS THE SELECTED IMS DATA - ALL IMS RELEASES 00287014
//***** 00287114
//SORT EXEC PGM=SORT,REGION=4096K,TIME=10 00287214
//SYSOUT DD SYSOUT=* 00287314
//SORTIN DD DSN=&&IMSLOG,DISP=(OLD,DELETE) 00287414
//SORTOUT DD DSN=&&LOGSRT,UNIT=3380,DISP=(,PASS), 00287514
// SPACE=(CYL,(10,3)), 00287614
// DCB=(DSORG=PS,BLKSIZE=19069,LRECL=3120,RECFM=VB) 00287714
//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(10,3)) 00287814
//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(10,3)) 00287914
//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(10,3)) 00288014
//SYSIN DD * 00288114
SORT FIELDS=(5,4,PD,A,9,4,PD,A),SIZE=E60000 00288214
END 00288314
//***** 00288414
//* THIS STEP PERFORMS THE DATA REDUCTION - ALL IMS RELEASES 00288514
//***** 00288614
//ST03 EXEC PGM=SSA1IMSW,REGION=5000K,TIME=60 00288714
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00288814
//SYSNAP DD SYSOUT=* 00288914
//SYSUDUMP DD SYSOUT=* 00289014
//ABNLIGNR DD DUMMY 00289114

```

```

/*----- 00289214
/* THE FOLLOWING INPUT COMES FROM THE SMF TYPE 30 RECORDS 00289314
/*----- 00289414
//SYSUT1 DD DISP=(OLD,DELETE),DSN=*.ST01.SYSUT2 00289514
/*----- 00290014
/* THE FOLLOWING INPUT COMES FROM THE IMS LOGTAPE 00300014
/*----- 00310014
//SYSUT2 DD DISP=(OLD,DELETE),DSN=&&LOGSRT 00320014
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.IMS 00330014
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.IMS 00340014
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00350014
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00351016
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00360014
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00370014
//SYSPRINT DD SYSOUT=* 00380014
//SYSMSGSD DD SYSOUT=* 00390014
//SYSIN DD * 00400014
SELECTED SYSTEM=* 00410014
IMS SYSTEM=IIII 00420014
IMS CONTROL=IMSCTL 00430014
DBRC REGION=IMSDBRC 00440014
DLI REGION=IMSDLI 00450014
DSNMSTR REGION=DB2MSTR 00460014
DSNDBM1 REGION=DB2DBM1 00470014
IMS DUMP=YES 00480014
* * * NOTE * * * IF YOU WANT THE TERMINAL RESPONSE DISTRIBUTION TABLE 00490014
* * * TO BE BUILT, MAKE SURE YOU HAVE AN IMSR MEMBER IN PARMLIB 00500014
* 00510014
* IF YOU WANT AN AD HOC REPORT FOR SPECIFIC TRANSACTIONS AND/OR 00520014
* TERMINALS, UNCOMMENT ANY OF THE FOLLOWING FOUR STATEMENTS: 00530014
IMS TERMINAL NAME=FPP73N / SET =* FOR ALL TERMINALS 00540014
IMS TRANSACTION NAME=COLFTAD / SET =* FOR ALL TRANSACTIONS 00550014
BEGIN TIME=05.00 / DEFAULTS TO 00.00 00560014
END TIME=06.15 / DEFAULTS TO 24.00 00570014

```

## DIMSREPT

```

//SSAREPT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1IMSR,REGION=5000K,TIME=60 00030002
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040001
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.IMS,DISP=SHR 00070001
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.IMS,DISP=SHR 00080001
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00090001
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00091007
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00100001
//SYSPRINT DD SYSOUT=* 00110000
//SYSMSGSGS DD SYSOUT=* 00111003
//SYSIN DD * 00120000
SELECTED SYSTEM=* 00130000
IMS SYSTEM=IMSA 00150000
IMS CONTROL=IMSCVL 00160000
DBRC REGION=IMSDBRG 00170000
DLI REGION=IMSDLI 00180000
DSNMSTR REGION=DB2MSTR 00190000
DSNDBM1 REGION=DB2DBM1 00200000
IMS SUMMARY REPORT=YES 00210000
IMS PERFORMANCE REPORT=YES 00220000
IMS TRANSACTION STATISTICS REPORT=YES 00230000
IMS TERMINAL STATISTICS REPORT=YES 00240000
IMS TERMINAL RESPONSE DISTRIBUTION REPORT=YES /* NEW NEW NEW 00241005
IMS TRANSACTION ACTIVITY REPORT=YES 00250000
IMS TRANSACTION RESPONSE GRAPH=YES 00260000
IMS TERMINAL ACTIVITY GRAPH=YES 00270000
IMS CPU ACTIVITY GRAPH=YES 00280000
IMS I/O ACTIVITY GRAPH=YES 00290000
IMS TRANSACTION PROFILE=YES 00300000
SELECTED DAY=ALL DAYS 00310000
//***** 00320006
/* IN ADDITION TO THE NORMAL CPPR INCLUDE/EXCLUDE FUNCTIONS, * 00330006
/* BMP TRANSACTIONS MAY BE INCLUDED OR EXCLUDED BY ENTERING * 00340006
/* $$$BMP$$$ IN THE INCLUDE/EXCLUDE LIST. * 00350006
//***** 00360006

```



**DNETINIT**

```

//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00030000
//* ALLOCATE THE VTAM PRODUCTION DATASETS 00040000
//***** 00050000
//ST0 EXEC PGM=IEFBR14 00060000
//DD01 DD DSN=&PREFIX.CPPR.V520.ONLINE.VTAM,DISP=(,CATLG), 00070000
// DCB=(RECFM=U,BLKSIZE=19069), 00071001
// SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME 00080003
//DD02 DD DSN=&PREFIX.CPPR.V520.INDEX.VTAM,DISP=(,CATLG), 00090000
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462), 00091001
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00100000
//***** 00110000
//* INITIALIZE THE VTAM PERFORMANCE DATABASE 00120000
//***** 00130000
//ST1 EXEC PGM=SSAILOAD 00140000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00150000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00151002
//SYSPRINT DD SYSOUT=* 00160000
//SYSIN DD DUMMY 00170000
//SYSUT1 DD DUMMY 00180000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.VTAM,DISP=SHR 00190000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.VTAM,DISP=SHR 00200000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00220004

```

## DNETNROL

```

//SSAREGN JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010002
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSA1REGN,REGION=0M 00030005
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040003
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00041004
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00050003
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00051006
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00060000
//SYSPRINT DD SYSOUT=* 00070000
//SYSNAP DD SYSOUT=* 00080000
//SYSIN DD * 00090000
SELECTED SYSTEM=* 00100000
VTAMNAME=CICSPROD 00110001
//ST2 EXEC PGM=SSA1REGN,REGION=0M 00120005
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00130003
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00131004
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00140003
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00141006
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00150000
//SYSPRINT DD SYSOUT=* 00160000
//SYSNAP DD SYSOUT=* 00170000
//SYSIN DD * 00180000
SELECTED SYSTEM=* 00190000
VTAMNAME=CICSTEST 00200001

```

## DNETPROD

```

//SSADNET JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010001
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAINETW,REGION=OM 00030007
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040002
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//SYSUT1 DD DISP=SHR,DSN=NETWORK.LOG 00070001
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.VTAM 00080002
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.VTAM 00090002
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00100002
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00101008
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00110002
//SYSUT3 DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS) 00120000
//SSASPILL DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS) 00121003
//SYSPRINT DD SYSOUT=* 00130000
//SYSMSGSGS DD SYSOUT=* 00131006
//SYSIN DD * 00140000
SELECTED SYSTEM=* 00150000
***** YOU MUST SPECIFY THE VTAM APPLID OR RESOURCE NAME ***** 00151001
***** IF YOU WANT TO PROCESS A SPECIFIC APPLID ***** 00152003
***** OTHERWISE, ALL REGISTERED VTAM APPLIDS ARE PROCESSED **** 00153003
VTAMNAME=CICSPROD 00160001
DUMP SMF STATISTICS=YES 00170004
***** THE FOLLOWING STATEMENT SPECIFIES THE SMF RECORD TYPE *** 00180004
***** IT IS NOT NEEDED FOR NETSPY LOG, NETVIEW OR NPM RECORDS** 00181005
FILTER=39 00190004
***** THE FOLLOWING STATEMENT DEFINES THE INPUT FORMAT ***** 00191004
* * * * * NETSPY INPUT FORMATS 00192004
SMFILE=NSPY / NETSPY FROM THE LOG (THIS IS THE DEFAULT) 00200005
SMFILE=NSPH / NETSPY FROM SMF HISTORY (ALSO USE FILTER) 00210004
SMFILE=NSPA / NETSPY FROM SMF ACTIVE (ALSO USE FILTER) 00220004
SMFILE=NSPL / NETSPY FROM SMF LIVE (ALSO USE FILTER) 00230004
* * * * * NETMASTER INPUT FORMATS 00240004
SMFILE=NMAH / NETMASTER FROM SMF HISTORY (ALSO USE FILTER) 00260004
SMFILE=NMAA / NETMASTER FROM SMF ACTIVE (ALSO USE FILTER) 00270004
SMFILE=NMAL / NETMASTER FROM SMF LIVE (ALSO USE FILTER) 00280004
* * * * * NETVIEW INPUT FORMATS 00290004
SMFILE=NVUH / NETVIEW FROM SMF HISTORY 00300004
SMFILE=NVUA / NETVIEW FROM SMF ACTIVE 00310004
SMFILE=NVUL / NETVIEW FROM SMF LIVE 00320004
* * * * * NPM INPUT FORMATS 00330004
SMFILE=NPMV / NPM FROM VSAM LOG 00340005
SMFILE=NPMH / NPM FROM SMF HISTORY 00350005
SMFILE=NPML / NPM FROM SMF LIVE 00360005

```

## DNETREPT

```

//SSANETR JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010001
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAINETR,REGION=OM 00030007
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040002
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.VTAM,DISP=SHR 00070002
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.VTAM,DISP=SHR 00080002
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00090002
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00091010
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00100002
//SYSPRINT DD SYSOUT=* 00110000
//SYSMSGSGS DD SYSOUT=* 00120005
//SYSIN DD * 00130000
SELECTED SYSTEM=* 00140000
VTAMNAME=CICSPROD 00150001
SELECTED DAY=WEEKDAYS 00160001
BEGIN DATE=*-7 00170008
END DATE=*-5 00180008
NETWORK SUMMARY REPORT=YES 00190003
NETWORK PERFORMANCE REPORT=YES 00200008
NETWORK TERMINAL STATISTICS REPORT=YES 00210008
NETWORK EXCEPTION ANALYSIS=YES 00220003
NETWORK TERMINAL ACTIVITY LIST=YES 00230006
* 00240009
* IF YOU WANT TO SORT THE ACTIVITY LIST BASED ON COLUMN, USE: 00250009
*DESCENDING SORT COLUMN=02 00260009
* OR 00270009
*ASCENDING SORT COLUMN=02 00280009
* 00290009
* FOR A SORTED LIST, ONLY THE TOP 50 ELEMENTS ARE SHOWN. TO INCREASE 00300009
* OR DECREASE THIS SIZE (UP TO A MAXIMUM OF 255), USE: 00310009
*SORT LIST SIZE=TOP100 00320009
NETWORK TRANSACTION RESPONSE GRAPH=YES 00330008
NETWORK TERMINAL ACTIVITY GRAPH=YES 00340008
NETWORK TRANSACTION ACTIVITY GRAPH=YES 00350008
NETWORK INBOUND TRAFFIC GRAPH=YES 00360008
NETWORK OUTBOUND ACTIVITY GRAPH=YES 00370001
NETWORK OUTBOUND TRAFFIC GRAPH=YES 00380001
NETWORK TOTAL TRAFFIC GRAPH=YES 00390001
NETWORK TERMINAL PROFILE=YES 00400001
NETWORK TERMINAL NAME=T03SP018 00410001
PRIME SHIFT FIRST HOUR=7 00420001
LATE SHIFT FIRST HOUR=19 00430001
//EXCLUDE DD * 00440001
T014* 00450001

```

**DUTLINIT**

```

//DUTLINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010008
/*JOBPARM S=* 00020000
//***** 00030000
/* ALLOCATE THE CPPR SYSTEM FILES 00040008
//***** 00050000
//ST1 EXEC PGM=IEFBR14 00060008
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=(,CATLG), 00070009
// DCB=(RECFM=U,BLKSIZE=19069), 00080009
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00090009
//HGDLIB DD DSN=&PREFIX.CPPR.V520.HGDLIB,DISP=(,CATLG), 00100009
// DCB=(LRECL=80,BLKSIZE=4240,RECFM=FB), 00110009
// SPACE=(TRK,(25,23,150)),UNIT=SYSDA,VOL=SER=&VOLUME 00120010
//LNGVLIB DD DSN=&PREFIX.CPPR.V520.LNGVLIB,DISP=(,CATLG), 00130009
// DCB=(LRECL=132,BLKSIZE=13200,RECFM=FB), 00140009
// SPACE=(TRK,(45,15,250)),UNIT=SYSDA,VOL=SER=&VOLUME 00150010
//XFRLIB DD DSN=&PREFIX.CPPR.V520.XFRLIB,DISP=(,CATLG), 00160009
// DCB=(LRECL=4092,BLKSIZE=4096,RECFM=VB), 00170009
// SPACE=(TRK,(40,10,50)),UNIT=SYSDA,VOL=SER=&VOLUME 00180010
//***** 00190000
/* INITIALIZE THE ELEMENT REGISTRATION TABLE FILE 00200000
//***** 00210000
//ST2 EXEC PGM=SSAILOAD 00220004
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00230004
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00240007
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00241011
//SYSPRINT DD SYSOUT=* 00250000
//SYSIN DD DUMMY 00260000
//SYSUT1 DD DUMMY 00270004
//ONLINE DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00280004

```

## DWKLINIT

```

//DWKLINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//***** 00030000
//* ALLOCATE THE CPPR PRODUCTION DATASETS 00040000
//***** 00050000
//ST0 EXEC PGM=IEFBR14 00060000
//DD01 DD DSN=&PREFIX.CPPR.V520.ONLINE.WKLD,DISP=(,CATLG), 00070000
// DCB=(RECFM=U,BLKSIZE=19069), 00080000
// SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME 00090001
//DD02 DD DSN=&PREFIX.CPPR.V520.INDEX.WKLD,DISP=(,CATLG), 00100000
// DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462), 00110000
// SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME 00120000
//***** 00130000
//* INITIALIZE THE WKLD PERFORMANCE DATABASE 00140000
//***** 00150000
//ST1 EXEC PGM=SSAILOAD 00160000
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00170000
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00180000
//SYSPRINT DD SYSOUT=* 00190000
//SYSIN DD DUMMY 00200000
//SYSUT1 DD DUMMY 00210000
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.WKLD,DISP=SHR 00220000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.WKLD,DISP=SHR 00230000
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00240002

```

## DWKLNROL

```
//SSANROL JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAINROL,REGION=OM 00030005
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040002
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00041004
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00050002
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00051006
//SYSUT3 DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS) 00060000
//SYSPRINT DD SYSOUT=* 00070000
//SYSMSGSD DD SYSOUT=* 00071003
//SYSNAP DD SYSOUT=* 00080000
//SYSIN DD * 00090000
SELECTED SYSTEM=*,IP02,IP03 00100000
```

## DWKLPROD

```

//SSACPPR JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAIWKLD,REGION=OM 00030013
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040003
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//***** 00061015
/* IF YOU WISH TO EXTRACT A SET OF 200-BYTE RECORDS THAT CAN * 00062015
/* BE PROCESSED BY THE CICS DATA REDUCTION MODULE (SSAICIW) * 00062115
/* UNCOMMENT THE NEXT 2 DD STATEMENTS: * 00062215
/* THE FOLLOWING LIBRARY CONTAINS THE DICTIONARY RECORDS * 00062315
//***** 00063015
/*CMF2DCTN DD DISP=SHR,DSN=&PREFIX.CPPR.CMF2DICT 00064015
//***** 00065015
/* THE FOLLOWING FILE CONTAINS THE CMF2 OUTPUT RECORDS * 00066015
//***** 00067015
/*CMF2OUT DD DISP=(,CATLG),UNIT=SYSDA,SPACE=(CYL,(10,10)), 00068015
/* DCB=(LRECL=200,BLKSIZE=27800,RECFM=FB), 00069015
/* DSN=&PREFIX.CPPR.C110XTR1.CMF2OUT 00069115
//* 00069215
//***** 00069315
/* THE FOLLOWING FILE CONTAINS THE SMF RECORDS TO BE PROCESSED * 00069415
//***** 00069515
//SYSUT1 DD DISP=SHR,DSN=SMF.INPUT.FILE 00070000
/*SYSMAN0 DD DISP=SHR,DSN=SYS1.MAN0 00080000
/*SYSMAN1 DD DISP=SHR,DSN=SYS1.MAN1 00090000
/*SYSMAN2 DD DISP=SHR,DSN=SYS1.MAN2 00100000
/*SYSMAN3 DD DISP=SHR,DSN=SYS1.MAN3 00110000
//INDEX DD DISP=SHR,DSN=&PREFIX.CPPR.V520.INDEX.WKLD 00120003
//ONLINE DD DISP=SHR,DSN=&PREFIX.CPPR.V520.ONLINE.WKLD 00130003
//CPPRERT DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CPPRERT 00140003
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM) 00141014
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.V520.PARMLIB 00150003
//SYSUT3 DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS) 00160000
//SYSPRINT DD SYSOUT=* 00170000
//SYSMSGSD DD SYSOUT=* 00180008
//SYSIN DD * 00190000
SELECTED SYSTEM=INCLUDE(5) 00200000
REPORT LANGUAGE=ENGLISH 00210000
DUMP SMF STATISTICS=YES 00220004
***** 00230005
* FOR JOB SCHEDULING SYSTEMS, THE JES READER TIME MAY NOT BE RELEVANT 00240005
* IN CALCULATING BATCH THROUGHPUT TIMES. USE THE JOB INIT TIME WITH 00250005
* THE FOLLOWING KEY PHRASE: 00260005
*ELAPSED TIME FROM JOB INIT=YES 00270005
***** 00280005
* YOU MAY WISH TO USE THE PROGRAM NAME INSTEAD OF THE JOBNAME AS THE 00290005
* KEY TO THE JOBNAME:CPU CORRELATION TABLE. IF SO, SPECIFY: 00300005
*PRIMARY ELEMENT KEY=PROGRAM 00310005
***** 00320005
* IF YOU ARE USING TMON/MVS FROM LANDMARK SYSTEMS INSTEAD OF RMF, YOU 00330006
* MAY USE THE FOLLOWING STATEMENTS: 00340006
RMF RECORDS=EXCLUDE / IF RMF IS STILL TURNED ON */ 00350006
SMFILE=TMVS / USE TMON/MVS RECORD TYPES IC,IV,IO,WK,SY,PS*/ 00360006
***** 00370007
* IF YOU ARE USING INPUT FROM THE VM MONITOR, YOU MUST 00380007

```



```

* USE THE FOLLOWING STATEMENT: 00390007
SMFILE=VMON / USE VM MONITOR RECORD PERFORM, USER, DASTAP*/ 00400007
***** 00410009
* IF YOU ARE USING THE ACCOUNTING SUBSYSTEM TO PRODUCE ACCOUNTING 00420009
* RECORDS, THE FOLLOWING KEY PHRASES MAY BE USED: 00430009
ACCOUNTING=BATCH / BATCH JOB ACCOUNTING */ 00440009
ACCOUNTING=STX / STARTED TASK ACCOUNTING */ 00450009
ACCOUNTING=TSO / TSO USER ACCOUNTING */ 00460009
ACCOUNTING=JES WRITER / JES PRINTER ACCOUNTING */ 00470009
ACCOUNTING=JES CONNECT / JES LINE ACCOUNTING */ 00480009
* IF YOU WISH THE RECORDS TO BE PROCESSED BY THE CIMS CHARGEBACK 00490009
* SYSTEM PRIOR TO R10.1(M1.0), PLEASE SPECIFY: 00500009
*CIMS ACCOUNTING FORMAT=YES 00510009
* IF YOU HAVE CIMS RELEASE 10.1 MODIFICATION LEVEL 1.0, SPECIFY: 00520009
*CIMS ACCOUNTING FORMAT=T30 00530009
***** 00540006
* IT MAY BECOME NECESSARY TO OVERRIDE THE DUPLICATE CHECKING 00550010
* MECHANISM IN SSA1WKLD. IF SO, PLEASE UNCOMMENT THE FOLLOWING: 00560010
*BYPASS DUPLICATE CHECKS=YES 00570010
***** 00580011
* A NEW TABLE, TABLE 065, IS BEING BUILT FOR THE SHIFT TURNOVER 00590011
* ACCOUNTING REPORT (SEE DACTSHAQ). IF YOU WANT STARTED TASK 00600011
* TAPE MOUNTS AND CPU TIME EXCLUDED FROM THE TABLE, UNCOMMENT: 00610012
*EXCLUDE STC FROM TABLE 65=YES 00620012

```

## DWKLREPT

```

//SSAREPT JOB (...),'SSA',CLASS=A,MSGCLASS=X 00010000
/*JOBPARM S=* 00020000
//ST1 EXEC PGM=SSAIRPT,REGION=0M 00030013
//STEPLIB DD DSN=&PREFIX.CPPR.V520.LOADLIB,DISP=SHR 00040005
//SYSNAP DD SYSOUT=* 00050000
//SYSUDUMP DD SYSOUT=* 00060000
//INDEX DD DSN=&PREFIX.CPPR.V520.INDEX.WKLD,DISP=SHR 00070005
//ONLINE DD DSN=&PREFIX.CPPR.V520.ONLINE.WKLD,DISP=SHR 00080005
//CPPRERT DD DSN=&PREFIX.CPPR.V520.CPPRERT,DISP=SHR 00090005
//CIMSPASS DD DSN=&PREFIX.CPPR.V520.CNTL(CIMSNUM),DISP=SHR 00091017
//CPPRPARM DD DSN=&PREFIX.CPPR.V520.PARMLIB,DISP=SHR 00100005
//SYSPRINT DD SYSOUT=* 00110000
//SYSMSG DD SYSOUT=* 00120009
//SYSIN DD * 00130000
BEGIN DATE=01/01/1997 00140014
END DATE=01/31/1997 00150014
PRIME SHIFT FIRST HOUR=7 00160000
LATE SHIFT FIRST HOUR=19 00170000
SELECTED SYSTEM=* 00180000
* SPECIAL GOAL MODE REPORTS 00190012
SERVICE CLASS S/U STATISTICS REPORT=YES 00200012
REPORT SERVICE CLASS S/U STATISTICS REPORT=YES 00210012
* 00220015
JOBNAME:CPU LINEAR LIST=YES 00230007
DASD LINEAR LIST=YES 00240016
* FOR THE ABOVE REPORT, PLEASE SEE ALSO THE MEMBER NAMED DASMDASR 00250016
PRINTER LINEAR LIST=YES 00260016
* 00270015
JOB STATISTICS REPORT=YES 00280016
PROGRAM STATISTICS REPORT=YES 00290016
PRINTER STATISTICS REPORT=YES 00300016
TSO USER STATISTICS REPORT=YES 00310016
TSO COMMAND STATISTICS REPORT=YES 00320016
PGN SERVICE UNIT STATISTICS REPORT=YES 00330016
* NOTE: THE ABOVE STATEMENT ALSO PRODUCES THE PGN S/U ACTIVITY LIST 00340016
* 00350015
CPU ACTIVITY GRAPH=YES 00360015
PAGING ACTIVITY GRAPH=YES 00370000
TSO ACTIVITY GRAPH=YES 00380000
DASD ACTIVITY GRAPH=YES 00390000
DASD DEVICE BUSY GRAPH=YES 00400000
DASD I/O SERVICE TIME GRAPH=YES 00410000
DASD QUEUE DELAY GRAPH=YES 00420000
CHANNEL ACTIVITY GRAPH=YES 00430015
CPU RATIO GRAPH=YES 00440015
PAGING RATIO GRAPH=YES 00450015
* 00460015
BATCH PERFORMANCE REPORT=YES 00470000
* IF NO JOBCLASS= IS SPECIFIED, ALL CLASSES WILL BE REPORTED 00480016
JOBCLASS=A 00490016
* FOR THE BATCH PERFORMANCE REPORT, IF YOU WISH TO HAVE THE TOTALS 00500016
* LINE IN NUMERIC FORM RATHER THAN PERCENTAGES 00510016
* PLEASE UNCOMMENT THE FOLLOWING STATEMENT: 00520016
*BATCH TOTALS=NUMERIC 00530016
* 00540016
TSO PERFORMANCE REPORT=YES 00550016

```

```

* 00560015
DASD DETAIL REPORT=YES 00570000
* 00580015
PROCESSOR EXCEPTION ANALYSIS=YES 00590002
DASD EXCEPTION ANALYSIS=YES 00600002
CHANNEL EXCEPTION ANALYSIS=YES 00610002
* 00620006
***** THE FOLLOWING COMMANDS PRODUCE DASM REPORTS ***** 00630006
* 00640006
*** PRODUCE THE DSNAME-BY-VOLUME REPORT (10 BUSIEST PLUS MVSDLB) 00650006
* 00660006
VOLUME ACTIVITY REPORT=YES 00670000
VOLUME SELECTION CRITERIA=TOP10 00680000
SELECTED VOLUME=MVSDLB 00690000
* 00700006
*** PRODUCE THE DSNAME-BY-DATA CENTER REPORT 00710006
* 00720006
DSNAME ACTIVITY REPORT=YES 00730000
* 00740006
*** PRODUCE THE DSNAME-BY-SELECTION CRITERIA REPORT 00750006
* 00760006
DSNAME DETAIL REPORT=YES 00770006
DSNAME=SYS2.CPPR* 00780006
VOLSER=SYS83* 00790006
* 00800006
***** THE FOLLOWING REPORTS ARE FOR ESA SYSTEMS ***** 00810004
* 00820006
CENTRAL TO EXPANDED STORAGE ACTIVITY GRAPH=YES 00830004
EXPANDED TO CENTRAL STORAGE ACTIVITY GRAPH=YES 00840004
EXPANDED TO AUXILIARY STORAGE ACTIVITY GRAPH=YES 00850004
CENTRAL TO AUXILIARY STORAGE ACTIVITY GRAPH=YES 00860004
AUXILIARY TO CENTRAL STORAGE ACTIVITY GRAPH=YES 00870004
* 00880015
// * * IF YOU WISH TO LIMIT THE DASD DEVICES LISTED IN THE SUMMARY 00890015
// * * REPORT OR IN THE DASD LINEAR LIST, SPECIFY THE VOLSERS OF 00900015
// * * THOSE VOLUMES YOU WISH INCLUDED/EXCLUDED IN AN INCLUDE/EXCLUDE 00910015
// * * STREAM. FOR EXAMPLE, TO EXCLUDE ALL VOLUMES BEGINNING MVS: 00920015
*//EXCLUDE DD * 00930015
MVS 00940015

```





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# Index

## Symbols

- &sid204O - Transaction Codes for Organizations 1-59
- &sid204R - Response Time Thresholds 1-61
- &sid204T - Transaction Codes for Applications 1-60
- &sidCICO - Transaction Codes for Organizations 1-37
- &sidCICR - Response Time Thresholds 1-39
- &sidCICT - Transaction Codes for Applications 1-38
- &sidDB2R - Response Time Thresholds 1-56
- &sidDSNX - Data Set Name-to-Owner Correspondence 1-29
- &sidIDMO - Transaction Codes for Organizations 1-44
- &sidIDMR - Response Time Thresholds 1-46
- &sidIDMT - Transaction Codes for Applications 1-45
- &sidIMSO - Transaction Codes for Organizations 1-50
- &sidIMSR - Response Time Thresholds 1-52
- &sidIMST - Transaction Codes for Applications 1-51
- &sidNETL - Logical Line Groups 1-66
- &sidNETN - Network VTAM APPLIDs 1-66
- &sidNETR - Response Time Thresholds 1-67

## A

- allocating
  - data sets
    - LNGVLIB, CPPRERT, and HGDLIB 1-13
    - ONLINE and INDEX 1-18 to 1-20
  - storage 1-17

## B

- BATCHPGN parameter 1-23
- BATCHTAG parameter 1-23

## C

- CICS subsystem
  - CICS regions, registering 1-32 to 1-34
  - data reduction, running 1-39
  - disk space, allocating and initializing 1-18 to 1-20
  - installing 1-32 to 1-39
- JCL, customizing
  - DCICNROL 1-34
  - DCICPROD model job 1-35
  - DCICREPT model job 1-36
  - DCICSMF model job 1-35
  - DCICTMON model job 1-36
- ONLINE and INDEX data sets, allocating and initializing 1-18 to 1-20
- PARMLIB members, creating 1-37 to 1-39
- reports, running 1-39
- collecting
  - RMF Records 1-26
  - SMF Records 1-26
- contacting CIMS Lab viii
- CPPR ISPF/PDF libraries 1-16
- CPPRCLIB 1-16
- CPPRERT 1-13
- CPPRMLIB 1-16
- CPPRPLIB 1-16

**D**

D204PROD 1-58  
D204REPT 1-59  
DASDPOOL 1-30  
DASM subsystem  
    and SMS-managed DASD 1-12  
    DASDPOOL member, editing 1-30  
    data reduction, running 1-31  
    disk space, allocating and initializing 1-18 to 1-20  
    installing 1-29 to 1-31  
    ONLINE and INDEX data sets, allocating and initializing 1-18 to 1-20  
DASMCMIT 1-31  
data sets  
    LNGVLIB, CPPRERT, and HGDLIB 1-13  
    naming conventions for 1-20  
    ONLINE and INDEX 1-18 to 1-20  
DATABASEPGN parameter 1-24  
DATASETAG parameter 1-24  
DB2 subsystem  
    data reduction, running 1-57  
    DB2 connect names, registering 1-54 to 1-55  
    DB2 systems, registering 1-53 to 1-54  
    disk space, allocating and initializing 1-18 to 1-20  
    installing 1-53 to 1-57  
    JCL, customizing  
        DDB2NRL1 1-54  
        DDB2NRL2 1-55  
        DDB2PROD model job 1-55  
        DDB2REPT model job 1-56  
    ONLINE and INDEX data sets, allocating and initializing 1-18 to 1-20  
    PARMLIB members, creating 1-56 to 1-57  
    reports, running 1-57  
DCICNROL 1-34  
DCICPROD 1-35  
DCICREPT 1-36  
DCICSMF 1-35  
DCICTMON 1-36  
DDB2NRL1 1-54  
DDB2NRL2 1-55  
DDB2PROD 1-55  
DDB2REPT 1-56  
DIDML102 1-43  
DIDMNROL 1-42  
DIDMPL12 1-43

DIDMPROD 1-42  
DIDMPSMF 1-43  
DIDMREPT 1-43  
DIDMSMF 1-43  
DIMSNROL 1-49  
DIMSPROD 1-49  
DIMSREPT 1-50  
DNETNROL 1-64  
DNETPROD 1-64  
DNETREPT 1-65  
DUTLINIT 1-13  
DWKLNROL 1-21  
DWKLPROD 1-27  
DWKLREPT 1-27

**E**

Element Registration Table (CPPRERT) data set 1-13

**G**

GDDM software license 1-17  
GLOBAL member, parameters 1-14 to 1-15  
graphics interface, using 1-17

**H**

Harvard Graphics Interface Data Set (HGDLIB) 1-13  
HGDLIB 1-13  
HGDLIB YEAR EXPANSION parameter 1-15

**I**

IDMS subsystem  
    data reduction, running 1-46  
    disk space, allocating and initializing 1-18 to 1-20  
    IDMS CVs, registering 1-40 to 1-42  
    installing 1-40 to 1-46  
    JCL, customizing  
        DIDML102 model job 1-43  
        DIDMNROL 1-42  
        DIDMPL12 model job 1-43  
        DIDMPROD model job 1-42  
        DIDMPSMF model job 1-43  
        DIDMREPT model job 1-43  
    ONLINE and INDEX data sets, allocating and initializing 1-18 to 1-20  
    PARMLIB members, creating 1-44 to 1-46  
    reports, running 1-46

IMS subsystem  
 data reduction, running 1-52  
 disk space, allocating and initializing 1-18 to 1-20  
 IMS regions, registering 1-47 to 1-49  
 installing 1-47 to 1-52  
 JCL, customizing  
   DIMSNROL 1-49  
   DIMSPROD model job 1-49  
   DIMSREPT model job 1-50  
 ONLINE and INDEX data sets, allocating and initializing 1-18 to 1-20  
 PARMLIB members, creating 1-50 to 1-52  
 reports, running 1-52

installation environment, tailoring 1-26  
 installing

  CICS subsystem 1-32 to 1-39  
   CIMS Capacity Planner 1-6 to 1-18  
   DASM subsystem 1-29 to 1-31  
   DB2 subsystem 1-53 to 1-57  
   IDMS subsystem 1-40 to 1-46  
   IMS subsystem 1-47 to 1-52  
   Model 204 subsystem 1-58 to 1-61  
   Network subsystem 1-62 to 1-67  
   Workload subsystem 1-21 to 1-28

ISPF/PDF

  GDDM Graphics Interface 1-17  
   initializing specific subsystems 1-18  
   interface 1-16  
   Setup Panel 1-17

## J

JCL

  D204PROD model job 1-58  
   D204REPT model job 1-59  
   DASDPOOL model job 1-30  
   DASMCMIT model job 1-31  
   DCICNROL model job 1-34  
   DCICPROD model job 1-35  
   DCICREPT model job 1-36  
   DCICSMF model job 1-35, 1-36  
   DCICTMON model job 1-36  
   DDB2NRL1 model job 1-54  
   DDB2NRL2 model job 1-55  
   DDB2PROD model job 1-55  
   DDB2REPT model job 1-56  
   DIDML102 model job 1-43  
   DIDMNROL model job 1-42

  DIDMPL12 model job 1-43  
   DIDMPROD model job 1-42  
   DIDMPSMF model job 1-43  
   DIDMREPT model job 1-43  
   DIMSNROL model job 1-49  
   DIMSPROD model job 1-49  
   DIMSREPT model job 1-50  
   DNETNROL model job 1-64  
   DNETPROD model job 1-64  
   DNETREPT model job 1-65  
   DUTLINIT model job 1-13  
   DWKLNROL model job 1-21  
   DWKLPROD model job 1-27  
   DWKLREPT model job 1-27

## L

  LATE SHIFT FIRST HOUR parameter 1-14  
   LNGVLIB 1-13  
   LOCAL HOLIDAYS parameter 1-14  
   local member  
     about 1-21  
     creating 1-22  
     parameters 1-23 to 1-25  
   Longview Interface Data Set (LNGVLIB) 1-13

## M

  Model 204 subsystem  
     data reduction, running 1-61  
     disk space, allocating and initializing 1-18 to 1-20  
     installing 1-58 to 1-61  
     JCL, customizing  
       D204PROD model job 1-58  
       D204REPT model job 1-59  
     ONLINE and INDEX data sets, allocating and initializing 1-18 to 1-20  
     PARMLIB members, creating 1-59 to 1-61  
     reports, running 1-61  
   MVS 5.x Goal Mode Support 1-28

## N

  Network subsystem  
     data reduction, running 1-67  
     disk space, allocating and initializing 1-18 to 1-20  
     installing 1-62 to 1-67  
     JCL, customizing  
       DNETNROL 1-64

- DNETPROD model job 1-64
- DNETREPT model job 1-65
- ONLINE and INDEX data sets, allocating and initializing 1-18 to 1-20
- PARMLIB members, creating 1-65 to 1-67
- reports, running 1-67
- VTAM APPLIDs, registering 1-62 to 1-64
- NETWORKPGN parameter 1-24
- NETWORKTAG parameter 1-25
- NO HGDLIB NULLS parameter 1-15
- NO HGDLIB SKIPS parameter 1-15

**O**

- O/STAG parameter 1-25
- ONLINEPGN parameter 1-24
- ONLINETAG parameter 1-24

**P**

parameters

- BATCHPGN 1-23
- BATCHTAG 1-23
- DATABASEPGN 1-24
- DATABASETAG 1-24
- HGDLIB YEAR EXPANSION 1-15
- LATE SHIFT FIRST HOUR 1-14
- LOCAL HOLIDAYS 1-14
- NETWORKPGN 1-24
- NETWORKTAG 1-25
- NO HGDLIB NULLS 1-15
- NO HGDLIB SKIPS 1-15
- O/STAG 1-25
- ONLINEPGN 1-24
- ONLINETAG 1-24
- PRIME SHIFT FIRST HOUR 1-14
- STCTAG 1-25
- SUPPRESS WTO MESSAGES 1-15
- SYSTEM 1-14
- TITLE 1-14
- TRANSLATE COMMAS TO SEMICOLONS 1-15
- TSOPGN 1-23
- TSOTAG 1-23
- WEEKS TO KEEP ONLINE 1-15

performance group

- labels, specifying 1-25
- numbers, specifying 1-25

PRIME SHIFT FIRST HOUR parameter 1-14

**R**

registering

- CICS regions 1-32 to 1-34
- DB2 connect names 1-54 to 1-55
- DB2 systems 1-53 to 1-54
- IDMS CVs, 1-40 to 1-42
- IMS regions 1-47 to 1-49
- SMF System IDs 1-21
- VTAM APPLIDs 1-62 to 1-64

RMF records, collecting 1-26

**S**

SMF

- clusters, unloading 1-27
- records, collecting 1-26
- System IDs, registering in the data center 1-21

SMS-managed DASD, and the DASM Subsystem 1-12

STCTAG parameter 1-25

storage allocation 1-17

SUPPRESS WTO MESSAGES parameter 1-15

SYSTEM parameter 1-14

**T**

technical support, contacting the CIMS Lab viii

Terminal Feature Requirements 1-17

TITLE parameter 1-14

TRANSLATE COMMAS TO SEMICOLONS parameter 1-15

TSOPGN parameter 1-23

TSOTAG parameter 1-23

**W**

WEEKS TO KEEP ONLINE parameter 1-15

Workload subsystem

- additional record types, specifying 1-26
- data reduction, running 1-27
- disk space, allocating and initializing 1-18 to 1-20
- DWKLNROL model job, customizing 1-21
- installing 1-21 to 1-28
- local parameters, setting 1-21 to 1-25
- ONLINE and INDEX data sets, allocating and initializing 1-18 to 1-20
- reports, running 1-27
- SMF System IDs, registering 1-21