CIMS Lab, Inc.

CIMS Capacity Planner

Installation and Getting Started Guide

Version 6.0

CIMS Lab Publication Number: CP-STR-600-01

Published 02/06/06

Copyright Information

Trademarks

The following are trademarks of International Business Machines Corporation in the United States, other countries, or both:

Candle	IBM	OMEGAMON
CICS	IMS	OS/390
DB2	MVS	VSAM

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.

Mailing Address

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

Table of Contents

2 • Installation Checklist

A • Control Library JCL Examples

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**

Our Mailing Address is:

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

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	*Installing CIMS Capacity Planner*	Provides detailed installation instructions for the CIMS Capacity Planner.
2	*Installation Checklist*	Provides a checklist to be used during the CIMS Capacity Planner installation procedure.
A	*Control Library JCL Examples*	Provides examples of Control Library JCL.
	Index	

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**.
alternate color	(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 *Appendix A, Control Library JCL Examples*.
Italic	words that are emphasized	...the entry *after* the current entry...
	the titles of other documents	*CIMS Capacity Planner User Guide*
	syntax variables	`COPY filename`
`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*

1

Installing CIMS Capacity Planner

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 to version 6.0 from an earlier version **(5.1, 5.2, or 5.3)**.

If you are upgrading from version 5.x to version 6.0, note that the format of the ONLINE file has changed from BSAM to PDSE. CIMS Capacity Planner 6.0 includes new conversion utilities (see page 1-18) and current BSAM utilities that have been modified to support PDSE. Once the ONLINE file has been converted to PDSE, the procedures for data reduction and reporting are the same as those in the 5.x versions.

If you are upgrading from one genlevel release of CIMS Capacity Planner 6.0 to a new genlevel of 6.0, follow the instructions in *Upgrading CIMS Capacity Planner (Same Version)* on page 1-70.

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 1-23.

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:

```
V6.00                          The CIMS Capacity Planner
                         ______________________________________
                                  Program CPPRLEVL

CIMS Capacity Planner Version and Date: V6.00 2005/04/29
```

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 1-70

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 to version 6.0 from an earlier version **(5.1, 5.2, or 5.3)**.

If you are upgrading from one genlevel release of CIMS Capacity Planner 6.0 to a new genlevel of 6.0, follow the instructions in *Upgrading CIMS Capacity Planner (Same Version)* on page 1-70.

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.

```
//JOBCARD   JOB . . ..
//STEP1          EXEC PGM=IEBGENER
//SYSUT1    DD   DSNAME=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 CIMSCPPR folder.
- On the CIMS Lab Web—on the **Downloads** ▸ **CIMS Capacity Planner** page under **CIMS Capacity Planner Product Downloads**.

There are a total of fourteen files included in the executable. These files require approximately 28 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, CPPRMLIB, 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.
INSTJOBB_<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 readme file that is included.
FtpCpprFiles.wsf	A Windows® Script file that automates the loading of the .seq files to the mainframe.
FtpInstallFiles.bat	A Windows batch file that invokes the FtpCpprFiles.wsf script.

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

- INSTJOBA_<genleveldate>.JCL
- INSTJOBB_<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 sets were built in Step 3.

There is a Windows Script file and batch file that you can use to transfer the files. From the command prompt, execute the script FtpInstallFiles.bat. There are four parameters for this batch script. You will be prompted to enter any parameters that you do not include. The output from the transfer process is written in the command window and also to the file FtpCpprFiles_Report.txt.

The format for executing the FtpInstallFiles.bat script is:

```
FtpInstallFiles server|IP address hlq userid password
```

Where:

server|IP address=the mainframe server name or IP address

hlq=the hlq from Step 2 on page 1-9.

userid=the mainframe user ID used for FTP sign on

password=the password for the user ID

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 INSTJOBB 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 INSTJOBB 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.V600.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.V600.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.V600.LINKJCL`

13 Submit the `INSTJOB1` JCL.

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.V600.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.V600.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)

Most organizations use DCOLLECT to provide input to the DASM subsystem. In the rare case where DCOLLECT is not being used to build DASM tables, the `LOADLIB` must be APF-authorized.

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 1-20 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).

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-56.

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:

- 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 1-20 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.CPPRLIB` members need to be modified: `DCAFSTAT`, `DCAFST81`, `DCAFSUMM`, `DCAFSU80`, `DCAFSU81`, `DCAFTACL`, `DCAFTRND`, `DCAFUTIL`, `DCAFVT01`, `DCAFVT02`, `DCAFVT03`, `DCAFVT04`, `DCAFVT05`, `DCAFVT0C` 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 1-20 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 1-20 for a description of the Performance Database).

Converting the ONLINE File from BSAM to PDSE (5.x to 6.0 Upgrades Only)

To convert to CIMS Capacity Planner 6.0 from version 5.x , you must use the SSA1CNVT utility to convert the Peformance Databases in the ONLINE file from BSAM to PDSE. The following example JCL converts the WKLD Performance Database from a BSAM format to a PDSE format. The JCL is distributed in member DUTLCNVT in the CNTL library.

```
//SSACPPR  JOB (...),'SSA',CLASS=A,MSGCLASS=X
/*JOBPARM S=*
//* THIS JOB CONVERTS A BSAM PDB TO ITS PDSE EQUIVALENT
//*  IT MUST BE USED FOR EACH PERFORMANCE DATABASE BEFORE
//*   MOVING TO VERSION 6.00 OF CPPR
//*
//* THE EXAMPLE SHOWN IS FOR THE WORKLOAD PDB
//*
//* THE EXAMPLE REUSES THE INDEX.WKLD DATASET
//*
//* AFTER THE CONVERSION IS SUCCESSFUL, IT IS A GOOD IDEA TO RENAME
//*  THE PDSE VERSION OF THE ONLINE FILE SO PRODUCTION JCL CHANGES
//*   ARE NOT REQUIRED
//*
//*************************************************************
//*   ALLOCATE THE WKLD PDSE DATASET
//*************************************************************
//STO EXEC PGM=IEFBR14
//DD01 DD DSN=&PREFIX.CPPR.Vnnn.PDSE.ONLINE.WKLD,
//        DISP=(,CATLG),
//        DSNTYPE=LIBRARY,
//        SPACE=(CYL,(90,30,1000)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//*   CONVERT THE WKLD PDSE DATABASE
//*************************************************************
//ST1 EXEC PGM=SSA1LOAD,REGION=0M
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
```

```
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR
//SYSNAP   DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//*************************************************************
//*   BSAM ONLINE FILE IS DEFINED HERE
//*************************************************************
//PDSELOAD DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.WKLD
//*************************************************************
//*   PDSE PERFORMANCE DATABASE IS DEFINED HERE
//*************************************************************
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PDSE.ONLINE.WKLD
//INDEX    DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.INDEX.WKLD
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)
//SYSPRINT DD SYSOUT=*
//SYSMSGS  DD SYSOUT=*
//SYSIN    DD DUMMY
```

Converting a PDSE Performance Database Back to BSAM

For CIMS Capacity Planner version 6.0 and later, you can use the SSA1UNLD utility to unload a PDSE Performance Database to a flat file. This flat file may be used to load a BSAM Performance Database if you want to use a 5.x version of CIMS Capacity Planner.

The following JCL unloads the PDSE Performance Database to a flat file. The JCL is distributed in the CNTL library under member name DUTLUNLD.

```
//SSACPPR  JOB (...),'SSA',CLASS=A,MSGCLASS=X
/*JOBPARM S=*
//ST1 EXEC PGM=SSA1UNLD,REGION=0M
//* THIS JOB UNLOADS A PDSE PDB TO A FLAT FILE
//*  IF THE USER EVER NEEDS TO REVERT TO A PREVIOUS RELEASE OF CPPR
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR
//SYSNAP   DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//PDSEUNLD DD DISP=(,CATLG),UNIT=SYSDA,SPACE=(CYL,(1000,100)),
//            DSN=&PREFIX.CPPR.Vnnn.UNLOAD
//INDEX    DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.INDEX.WKLD
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.WKLD
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)
```

```
//SYSPRINT DD SYSOUT=*
//SYSMSGS  DD SYSOUT=*
//SYSIN    DD DUMMY
```

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 1-23.

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 collection program in the form of tables. Although logically there could be a single ONLINE data set, most users keep a number of individual ONLINE/INDEX data set pairs (i.e., one set for each subsystem) to optimize the data reduction process.

During data reduction, tables that are being modified are moved to the SYSUT3 data set prior to being changed. All changes, including the addition of new tables, are made in the SYSUT3 data set. When the data reduction process has concluded, the tables that have been updated or added are migrated back to the ONLINE data set. This approach has the following advantages:

- The ONLINE data set is available to reporting programs during data reduction because the original (pre-data reduction) form of each table is preserved until the SYSUT3 tables are migrated back to the ONLINE data set.
- If the data reduction program terminates abnormally, none of the tables in the ONLINE data set need to be refreshed. The exception is if the migration to the ONLINE data set was in process when the ABEND occurred.
- The integrity of the ONLINE data set is only in question during a relatively short period of time during the migration of the tables that have been updated or added. Once the migration process has completed successfully, the entire ONLINE data set reflects the updated state.

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	■ 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	*DWKLINIT* on page A-57
DASM	CNTL.DASMINIT	*DASMINIT* on page A-21
CICS	CNTL.DCICINIT	*DCICINIT* on page A-22
IDMS	CNTL.DIDMINIT	*DIDMINIT* on page A-37
IMS	CNTL.DIMSINIT	*DIMSINIT* on page A-45
DB2	CNTL.DDB2INIT	*DDB2INIT* on page A-32
Model 204	CNTL.D204INIT	*D204INIT* on page A-16
Network	CNTL.DNETINIT	*DNETINIT* on page A-52

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 1-20.

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-58.

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 CPPRPARM 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 1-22.

   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 1-25).

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 addition 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-59.

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 `DWKLREPT` JCL, see *DWKLREPT* on page A-61.

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.

Step1: Allocate and Initialize the Data Sets (DASMINIT)

See *Allocating and Initializing the ONLINE and INDEX Data Sets* on page 1-20.

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 1-22.

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-19.

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 1-20.

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-23.

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 STO, 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-24.

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 STO, 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 (STO 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-27.

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-29.

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-26.

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 1-22.

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" (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 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" (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 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 1-37 through *DCICTMON* on page 1-38.

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 1-38.

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 1-20.

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-39.

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-41.

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 1-44.

To view the DIDMPSMF JCL, see *DIDMPSMF* on page A-42.

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 1-44.

To view the DIDMPL12 JCL, see *DIDMPL12* on page A-40.

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-38.

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-43.

Step 4: Create the IDMS 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 1-22.

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 CPPRIDMO member in CPPR.PARMLIB to create the &sidIDMO member. The CPPRIDMO 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" (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.

&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 1-44 through *DIDML102* on page 1-45.

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 1-45.

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 1-20.

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=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=SYS2
IMS SYSTEM=IMS2
```

Register the IMS3 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=SYS3
IMS SYSTEM=IMS3
```

Register the IMS4 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=SYS4
IMS SYSTEM=IMS4
```

Register the IMS5 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=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-46.

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 STO1, substitute the proper data set name for the SMF data set in SYSUT1.
3. In STO2, substitute the proper data set name for the IMS log data set in SYSUT1.
4. In STO1 and STO2, 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-47.

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-51.

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 1-22.

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.

&sidIMSO—Transaction Codes for Organizations

The &sidIMSO 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 CPPRIMSO member in CPPR.PARMLIB to create the &sidIMSO member. The CPPRIMSO 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" (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.

&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" (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.

&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 `SSAIIMSR` 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 1-51.

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 1-52.

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 1-20.

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-33.

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 can be reported by 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.

Note • It is important that you do not register **OTHER as a DB2 connect name.

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-34.

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-35.

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-36.

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 1-22.

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 1-57.

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 1-58.

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 1-20.

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-17.

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-18.

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 1-22.

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
   *
```

Edit 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 1-60.

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 1-61.

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 1-20.

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-53.

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-54.

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-55.

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 1-22.

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
   TO2NM*
6. SINGAPORE          /* 6TH LINE GROUP
   TO3S*,TO3X*
```

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 1-66.

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 1-67.

Upgrading CIMS Capacity Planner (Same Version)

Note • If you are upgrading to CIMS Capacity Planner 6.0 from an earlier version (5.1, 5.2, or 5.3), this section is not applicable. You cannot perform the maintenance updates described in this section across versions.

If you are upgrading from one genlevel of CIMS Capacity Planner 6.0 to a new genlevel of 6.0, download the self-extracting file `cpprupdt_<genleveldate>.exe`. 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 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.

Note • You cannot apply product updates across versions.

2

Installation Checklist

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 the most current version of CIMS Capacity Planner, CIMS Lab suggests 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 earlier 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. However, you need to convert all of your version 5.x ONLINE and INDEX data sets from BSAM to PDSE to upgrade to version 6.0. Version 6.0 contains conversion utilities for this purpose.

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. 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

- o 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 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 1-30.**

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 1-23.
- 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 1-31. 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.

- 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 IKJTSO00 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 1-34 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 1-22 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 1-22 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 1-22 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 1-37 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 1-42 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 1-22 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 1-22 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 1-22 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 1-44 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 1-49 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 CPPRIMSO to a member &sidIMSO. 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 1-22 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 1-22 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 1-22 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 1-51 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 1-64 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 1-22 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 1-22 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 1-22 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 1-66 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 1-55 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 1-56 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 1-22 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 1-22 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 1-22 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 1-22 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.

A

Control Library JCL Examples

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

```
DASMVTO4  THIS MEMBER SHOWS DETAILED VOLUME SUMMARIES                  00570000
                                                                       00580000
DASMVTO5  THIS MEMBER SHOWS QUICK VOLUME SUMMARIES                     00590000
                                                                       00600000
DASMCOLW  THIS MEMBER IS USED TO BUILD THE DASM REPORTS AND TO COMMIT   00610000
          THE TABLES TO THE ONLINE PERFORMANCE DATABASE (SAVE THEM)     00620000
          USING DCOLLECT AS INPUT                                      00630000
                                                                       00640000
DASMHIST  THIS MEMBER IS USED TO BUILD THE DASM REPORTS FROM THE        00650000
          COMMITTED TABLES IN THE ONLINE PERFORMANCE DATABASE           00660000
                                                                       00670000
DASMPIE   THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH    00680000
          MAY BE USED TO CREATE A PIE CHART OF DASM SPACE UTILIZATION   00690000
                                                                       00700000
DASMTRND  THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH    00710000
          MAY BE USED TO CREATE TRENDS GRAPHS FOR THE GROUPS (DASDPOOL) 00720000
          REPRESENTING DASD SPACE AVAILABLE VS. DASD SPACE ALLOCATED    00730000
                                                                       00740000
DASMMGRT  THIS MEMBER IS USED TO CREATE THE HGDLIB MEMBERS FOR         00750000
          MONTHLY ORGANIZATIONAL GRAPHS BASED ON PARMLIB(&SID.DASF)     00760000
          SHOWING SPACE ALLOCATED, SPACE WASTED & UNREFERENCED SPACE    00770000
                                                                       00780000
DASMWGRT  THIS MEMBER IS USED TO CREATE THE HGDLIB MEMBERS FOR         00790000
          WEEKLY ORGANIZATIONAL GRAPHS BASED ON PARMLIB(&SID.DASF)      00800000
          SHOWING SPACE ALLOCATED, SPACE WASTED & UNREFERENCED SPACE    00810000
                                                                       00820000
DASMOWNR  THIS MEMBER IS USED TO CREATE THE HGDLIB MEMBERS FOR         00830000
          ORGANIZATIONAL BAR GRAPHS BASED ON PARMLIB(&SID.DASF)         00840000
          SHOWING SPACE ALLOCATED, SPACE WASTED & UNREFERENCED SPACE    00850000
                                                                       00860000
*********************************************************************  00870000
*         MAGNETIC TAPE VOLUME AND DRIVE MEMBERS                    *  00880000
*********************************************************************  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       00940000
          FOR THE ORIGINAL TAPE MANAGEMENT CONTROL FILE INPUT           00950000
                                                                       00960000
DTAPURPT  THIS MEMBER IS USED TO BUILD THE TAPE DRIVE REPORTS FROM THE  00970000
          COMMITTED TABLES IN THE ONLINE PERFORMANCE DATABASE           00980000
                                                                       00990000
DTAPVRPT  THIS MEMBER IS USED TO BUILD THE TAPE VOLUME REPORTS FROM THE 01000000
          COMMITTED TABLES IN THE ONLINE PERFORMANCE DATABASE           01010000
                                                                       01020000
DTAPTRND  THIS MEMBER IS USED TO BUILD THE REPORT WHICH COMPARES PERIOD 01030000
          A TO PERIOD B FOR TAPE VOLUME ACTIVITY                        01040000
                                                                       01050000
DTAPOGRF  THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH     01060000
          MAY BE USED TO CREATE OWNER GRAPHS FOR TAPE VOLUMES           01070000
                                                                       01080000
DTAPUGRF  THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH     01090000
          MAY BE USED TO CREATE TRENDS GRAPHS FOR TAPE DRIVE ACTIVITY   01100000
                                                                       01110000
DTAPVGRF  THIS MEMBER IS USED TO CREATE THE MEMBERS IN HGDLIB WHICH     01120000
          MAY BE USED TO CREATE TRENDS GRAPHS FOR TAPE VOLUME ACTIVITY  01130000
                                                                       01140000
*********************************************************************  01150000
```

```
*         CPPR WORKLOAD SYSTEM DATA REDUCTION MEMBER                *  01160000
*********************************************************************  01170000
DWKLPROD  THIS IS A MODEL FOR THE DATA REDUCTION STEP FOR THE WORKLOAD  01180000
          ANALYSIS PORTION OF THE CPPR SYSTEM                          01190000
                                                                       01200000
*********************************************************************  01210000
*         CPPR WORKLOAD SYSTEM REPORTS                              *  01220000
*********************************************************************  01230000
DWKLREPT  THIS MEMBER PRODUCES ALL OF THE REPORTS FOR THE WORKLOAD      01240000
          ANALYSIS PORTION OF THE CPPR SYSTEM                          01250000
                                                                       01260000
*********************************************************************  01270000
*         CPPR TRENDS ANALYSIS GRAPH PRODUCING MEMBERS              *  01280000
*********************************************************************  01290000
DWKLTGRS  THIS MEMBER PRODUCES THE WORKLOAD PIE CHART DATA POINT        01300000
          LIBRARY MEMBER (&SID.108)                                    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
DWKLHGRV  THIS MEMBER PRODUCES THE SYSTEM AVAILABILITY DATA POINT       01420000
          LIBRARY MEMBER (&SID.135) FOR A SET OF TASKS                 01430000
                                                                       01440000
DWKLHGRQ  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
DWKLWGRQ  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
DWKLHGRJ  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
DWKLWGRJ  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
DWKLHGRR  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
```

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

```
          BE USED TO CREATE A LARGE FLAT FILE WHICH MAY BE DOWNLOADED   02340000
          TO A PC IN A SINGLE GULP (ALSO VARIABLE BLOCKED)              02350000
                                                                        02360000
DUTLRORG  THIS MEMBER MAY BE USED TO COMPRESS THE GAS OUT OF THE        02361062
          PERFORMANCE DATABASE AND, IF DESIRED, TO CHANGE THE BLOCK     02362062
          SIZE OF THE PERFORMANCE DATABASE.                             02363062
                                                                        02364062
DUTLINDX  THIS MEMBER MAY BE USED TO INDEX THE ONLINE PERFORMANCE       02370000
          DATABASE.                                                     02380000
                                                                        02390000
DUTLSUMM  THIS MEMBER PRODUCES SUMMARY TABLES IN THE ONLINE PERFORMANCE 02400000
          DATABASE.  IT SHOULD BE RUN EVERY MONDAY MORNING.             02410000
                                                                        02420000
DUTLVALD  THIS MEMBER PRODUCES A LISTING OF ALL OF THE TABLES           02430000
          IN THE PERFORMANCE DATABASE.                                  02440000
                                                                        02450000
DUTLTDBS  THIS MEMBER PRODUCES A LISTING OF THE STATISTICS FOR ALL OF   02460000
          THE TABLES FOR A SPECIFIED SID IN THE PERFORMANCE DATABASE.   02470000
                                                                        02480000
DUTLDCFP  THIS MEMBER PRODUCES A FORMATTED LISTING OF THE CONTENTS      02490000
          OF THE CPPRERT FILE                                           02500000
                                                                        02510000
DUTLLOAD  THIS MEMBER MAY BE USED TO LOAD A COMPOSITE DATABASE          02520000
          FROM A SET OF PDB POOLS, OR FROM ARCHIVED HISTORY.            02530000
                                                                        02540000
DUTLDELT  THIS MEMBER MAY BE USED TO DELETE A SPECIFIC TABLE            02550000
          FROM THE PERFORMANCE DATABASE.                                02560000
                                                                        02570000
DUTLTBLX  THIS MEMBER MAY BE USED TO FORMAT AND UNLOAD A SET OF TABLES  02580000
          FROM THE PERFORMANCE DATABASE FOR CUSTOM PROCESSING.          02590000
                                                                        02600000
**************************************************************************02610000
*         CPPR CICS SUBSYSTEM DATA REDUCTION MEMBERS                   *02620000
**************************************************************************02630000
DCICPROD  THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS 02640000
          ADDRESS SPACE WHICH SENDS THE CMF TYPE 110 RECORDS TO A       02650000
          JOURNAL FOR LATER PROCESSING                                  02660000
                                                                        02670000
DCICSMF   THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS 02680000
          ADDRESS SPACE WHICH SENDS THE CMF TYPE 110 RECORDS TO THE     02690000
          SMF MANX/MANY CLUSTERS                                        02700000
                                                                        02710000
DCICTMON  THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS 02720000
          ADDRESS SPACE WHICH UTILIZES THE LANDMARK MONITOR.            02730000
                                                                        02740000
DCICTPRE  THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS 02750000
          ADDRESS SPACE WHICH USES THE LANDMARK MONITOR AND PROCESSES   02760000
          TMON SUMMARIZED HISTORY DATA, RELEASE 8 OR LATER              02770000
                                                                        02780000
DCICTFAS  THIS IS A FAST PATH VERSION OF DCICTMON, BUT THE INPUT MUST BE02790000
          TMON UNSUMMARIZED HISTORY DATA, RELEASE 8 OR LATER (DUMP TAPE)02800000
                                                                        02810000
DCICOMON  THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS 02820000
          ADDRESS SPACE WHICH UTILIZES THE OMEGAMON/CICS MONITOR.       02830000
                                                                        02840000
DCICJARS  THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS 02850000
          ADDRESS SPACE WHICH UTILIZES THE JARS/CICS PROGRAM.           02860000
                                                                        02870000
DCICCMR   THIS MEMBER IS A MODEL FOR THE DATA REDUCTION STEP FOR A CICS 02880000
```

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

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

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

```
          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
```

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

```
*********************************************************************  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
```

```
DGENR426  THIS MEMBER IS A MODEL FOR JOB TO PROCESS AN SMF TYPE 42:6    06312000
          RECORD PRODUCING AN AD-HOC REPORT OF DATASET PERFORMANCE      06313000
          STATISTICS BY JOBNAME, STORAGE CLASS, VOLSER, AND DSN         06314000
                                                                        06320000
********************************************************************** 06330000
*         CPPR GENERIC SUBSYSTEM GRAPH PRODUCING MEMBERS             *  06340000
********************************************************************** 06350000
DGENHGRF  THIS MEMBER PRODUCES A SET OF HOURLY (GO) GRAPH MEMBERS       06360000
          WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE  GRAPHS           06370000
                                                                        06380000
DGENHG01  THIS MEMBER PRODUCES A SET OF DAILY (GO) GRAPH MEMBERS        06390000
          FROM THE USER TABLES BUILT BY DGENWK01                        06400000
                                                                        06410000
DGENHGRE  THIS MEMBER PRODUCES A SET OF HOURLY (HO) GRAPH MEMBERS       06420000
          WHICH MAY BE DOWN LOADED TO A PC TO PRODUCE  GRAPHS           06430000
                                                                        06440000
DGENHE01  THIS MEMBER PRODUCES A SET OF DAILY (HO) GRAPH MEMBERS        06450000
          FROM THE USER TABLES BUILT BY DGENWK01                        06460000
                                                                        06470000
********************************************************************** 06480000
*         SAMPLE GDDM BATCH MEMBERS                                  *  06490000
********************************************************************** 06500000
GDDMBAT   THIS MEMBER IS USED TO PRODUCE A GDDM GRAPH IN BATCH FROM     06510000
          A HGDLIB MEMBER AND SEND IT TO THE PRINTER                    06520000
                                                                        06530000
GDDMBATC  THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR       06540000
          ALL SUPPORTED GDDM CHARTS FOR THE CICS SUBSYSTEM              06550000
                                                                        06560000
GDDMBATD  THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR       06570000
          ALL SUPPORTED GDDM CHARTS FOR THE IDMS SUBSYSTEM              06580000
                                                                        06590000
GDDMBATI  THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR       06600000
          ALL SUPPORTED GDDM CHARTS FOR THE IMS SUBSYSTEM               06610000
                                                                        06620000
GDDMBATM  THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR       06630000
          ALL SUPPORTED GDDM CHARTS FOR THE M204 SUBSYSTEM              06640000
                                                                        06650000
GDDMBATN  THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR       06660000
          ALL SUPPORTED GDDM CHARTS FOR THE NETWORK SUBSYSTEM           06670000
                                                                        06680000
GDDMBATW  THIS MEMBER IS USED TO PRODUCE GDDM GRAPHS IN BATCH FOR       06690000
          ALL SUPPORTED GDDM CHARTS FOR THE WORKLOAD SUBSYSTEM          06700000
                                                                        06710000
********************************************************************** 06720000
*         SAMPLE UTILITY AND PARMLIB MEMBERS                         *  06730000
********************************************************************** 06740000
JOBCARD   THIS MEMBER SHOULD BE REPLACED WITH A LEGITIMATE JOBCARD      06750000
                                                                        06760000
ERBRMFSA  THIS IS A MODEL FOR RMF                                       06770000
                                                                        06780000
IEAICSSA  THIS IS A MODEL FOR AN ICS MEMBER IN SYS1.PARMLIB             06790000
                                                                        06800000
IEAIPSSA  THIS IS A MODEL FOR AN IPS MEMBER IN SYS1.PARMLIB             06810000
                                                                        06820000
SMFDUMP   THIS IS A SAMPLE SET OF JCL TO DUMP THE SMF CLUSTERS          06830000
                                                                        06840000
SMFPRMN   THIS IS A SAMPLE SMFPRMXX MEMBER FOR SYS1.PARMLIB             06850000
                                                                        06860000
********************************************************************** 06870000
```

```
*         CPPR SYSTEM PERMANENT FLAG ENABLING MEMBERS                *  06880000
********************************************************************** 06890000
PERMACCT  THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    06900000
          FLAGS FOR THE ACCOUNTING SUBSYSTEM ONCE THAT SUBSYSTEM        06910000
          HAS BEEN PURCHASED                                            06920000
                                                                        06930000
PERMBASE  THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    06940000
          FLAGS FOR THE WORKLOAD ANALYSIS SUBSYSTEM REPORTS             06950000
          ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                        06960000
                                                                        06970000
PERMCICS  THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    06980000
          FLAGS FOR THE CICS SUBSYSTEM REPORTS                          06990000
          ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                        07000000
                                                                        07010000
PERMDASM  THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    07020000
          FLAGS FOR THE DIRECT ACCESS SPACE MGT SUBSYSTEM REPORTS       07030000
          ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                        07040000
                                                                        07050000
PERMDB2   THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    07060000
          FLAGS FOR THE DB2 SUBSYSTEM REPORTS                           07070000
          ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                        07080000
                                                                        07090000
PERMGEN   THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    07100000
          FLAGS FOR THE GENERIC SUBSYSTEM ONCE THAT SUBSYSTEM           07110000
          HAS BEEN PURCHASED                                            07120000
                                                                        07130000
PERMIDMS  THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    07140000
          FLAGS FOR THE IDMS SUBSYSTEM REPORTS                          07150000
          ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                        07160000
                                                                        07170000
PERMIMS   THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    07180000
          FLAGS FOR THE IMS SUBSYSTEM REPORTS                           07190000
          ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                        07200000
                                                                        07210000
PERMM204  THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    07230000
          FLAGS FOR THE MODEL 204 SUBSYSTEM REPORTS                     07240000
          ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                        07250000
                                                                        07260000
PERMNETW  THIS MEMBER EXECUTES THE PROGRAM TO PERMANENTLY ENABLE THE    07270000
          FLAGS FOR THE NETWORK SUBSYSTEM REPORTS                       07280000
          ONCE THAT SUBSYSTEM HAS BEEN PURCHASED                        07290000
                                                                        07300000
********************************************************************** 07310000
*         CPPR SYSTEM LEASE FLAG ENABLING MEMBERS                    *  07320000
*                                                                    *  07331063
*         Lease system replaced with a CIMS Lab, Inc. password.      *  07342064
*         The following members no longer used. For password related *  07353063
*         problems please contact technical support.                 *  07364064
*                                                                    *  07375063
********************************************************************** 07380000
LEASACCT   LEASAS41     LEASAS41    LEASBASE    LEASCICS    LEASDASM    07390064
LEASDB2    LEASGEN      LEASLNGV    LEASM204    LEASNETW    LEASTAPE    07400064
LEASUNIX   LEASWKLD                                                     07410064
                                                                        07790000
```

D204INIT

```
//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X
/*JOBPARM S=*
//*************************************************************
//* ALLOCATE THE M204 PRODUCTION DATASETS
//*************************************************************
//ST0     EXEC PGM=IEFBR14
//DD01    DD DSN=&PREFIX.CPPR.V600.ONLINE.M204,DISP=(,CATLG),
//           DSNTYPE=LIBRARY,DSORG=PO,
//           SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME
//DD02    DD DSN=&PREFIX.CPPR.V600.INDEX.M204,DISP=(,CATLG),
//           DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462),
//           SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE M204 PERFORMANCE DATABASE
//*************************************************************
//ST1      EXEC PGM=SSA1LOAD
//STEPLIB  DD DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DUMMY
//SYSUT1   DD DUMMY
//ONLINE   DD DSN=&PREFIX.CPPR.V600.ONLINE.M204,DISP=SHR
//INDEX    DD DSN=&PREFIX.CPPR.V600.INDEX.M204,DISP=SHR
//CIMSPASS DD DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
```

D204PROD

```
//SSAD204  JOB (...),'SSA',CLASS=A,MSGCLASS=X                              00010002
//STA     EXEC PGM=SSA1M20W,REGION=5000K,TIME=60                           00020000
//STEPLIB  DD  DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.ONLINE.M204,DISP=SHR                  00040000
//INDEX    DD  DSN=&PREFIX.CPPR.Vnnn.INDEX.M204,DISP=SHR                   00050000
//CPPRERT  DD  DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                      00060000
//CIMSPASS DD  DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR                00061004
//CPPRPARM DD  DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                      00070000
//SYSPRINT DD  SYSOUT=*                                                    00090000
//SYSMSGS  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.Vnnn.LOADLIB,DISP=SHR                  00040000
//SYSNAP   DD SYSOUT=*                                                00050000
//SYSUDUMP DD SYSOUT=*                                                00060000
//INDEX    DD DSN=&PREFIX.CPPR.Vnnn.INDEX.M204,DISP=SHR               00070000
//ONLINE   DD DSN=&PREFIX.CPPR.Vnnn.ONLINE.M204,DISP=SHR              00080000
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                  00090000
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR            00091002
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                  00100000
//SYSPRINT DD SYSOUT=*                                                00110000
//SYSMSGS  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
```

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=DFHSMP.MCDS,DISP=SHR                              00016005
//BCDS     DD    DSN=DFHSMP.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=0M                                     00060004
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                   00070000
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00080000
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR             00081007
//ONLINE   DD DSN=&PREFIX.CPPR.Vnnn.ONLINE.DASM,DISP=SHR               00090000
//INDEX    DD DSN=&PREFIX.CPPR.Vnnn.INDEX.DASM,DISP=SHR                00100000
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.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
//SYSMSGS  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 UNDESIRED 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
/*JOBPARM S=*
//*************************************************************
//* ALLOCATE THE DASM PRODUCTION DATASETS
//*************************************************************
//STO     EXEC PGM=IEFBR14
//DD01    DD DSN=&PREFIX.CPPR.V600.ONLINE.DASM,DISP=(,CATLG),
//           DSNTYPE=LIBRARY,DSORG=PO,
//           SPACE=(CYL,(50,30)),UNIT=SYSDA,VOL=SER=&VOLUME
//DD02    DD DSN=&PREFIX.CPPR.V600.INDEX.DASM,DISP=(,CATLG),
//           DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462),
//           SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE DASM PERFORMANCE DATABASE
//*************************************************************
//ST1      EXEC PGM=SSA1LOAD
//STEPLIB  DD DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DUMMY
//SYSUT1   DD DUMMY
//ONLINE   DD DSN=&PREFIX.CPPR.V600.ONLINE.DASM,DISP=SHR
//INDEX    DD DSN=&PREFIX.CPPR.V600.INDEX.DASM,DISP=SHR
//CIMSPASS DD DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
```

DCICINIT

```
//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X
/*JOBPARM S=*
//*************************************************************
//* ALLOCATE THE CICS PRODUCTION DATASETS
//*************************************************************
//ST0     EXEC PGM=IEFBR14
//DD01    DD DSN=&PREFIX.CPPR.V600.ONLINE.CICS,DISP=(,CATLG),
//           DSNTYPE=LIBRARY,DSORG=PO,
//           SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME
//DD02    DD DSN=&PREFIX.CPPR.V600.INDEX.CICS,DISP=(,CATLG),
//           DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462),
//           SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE CICS PERFORMANCE DATABASE
//*************************************************************
//ST1      EXEC PGM=SSA1LOAD
//STEPLIB  DD DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DUMMY
//SYSUT1   DD DUMMY
//ONLINE   DD DSN=&PREFIX.CPPR.V600.ONLINE.CICS,DISP=SHR
//INDEX    DD DSN=&PREFIX.CPPR.V600.INDEX.CICS,DISP=SHR
//CIMSPASS DD DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
```

DCICNROL

```
//SSAREGC  JOB (...),'SSA',CLASS=A,MSGCLASS=X                    00010000
/*JOBPARM S=*                                                    00020000
//ST1 EXEC PGM=SSA1REGC,REGION=0M                                00030003
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR             00040001
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR             00041002
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR             00050001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=SSA1REGC,REGION=0M                                00120003
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR             00130001
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR             00131002
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR             00140001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=SSA1LMPP                                              00030000
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                      00040001
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                      00041007
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                      00042008
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)                00043012
//SYSPRINT DD SYSOUT=*                                                    00050000
//SYSMSGS  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=0M                                       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=SSA1CICW,REGION=0M                                    00240011
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.INDEX.CICS                   00290001
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.CICS                  00300001
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                      00310001
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)                00311012
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                      00320001
//SYSUT3   DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS)                  00330000
//SYSPRINT DD SYSOUT=*                                                    00340000
//SYSMSGS  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.Vnnn.LOADLIB,DISP=SHR                  00040001
//SYSNAP   DD SYSOUT=*                                                00050000
//SYSUDUMP DD SYSOUT=*                                                00060000
//INDEX    DD DSN=&PREFIX.CPPR.Vnnn.INDEX.CICS,DISP=SHR               00070001
//ONLINE   DD DSN=&PREFIX.CPPR.Vnnn.ONLINE.CICS,DISP=SHR              00080001
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                  00090001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR            00091012
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                  00100001
//SYSPRINT DD SYSOUT=*                                                00110000
//SYSMSGS  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=0M                                 00080014
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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.CMFX.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
//SYSMSGS  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=0M                                     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=SSA1CICW,REGION=0M                                 00570014
```

```
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                  00580014
//SYSNAP   DD SYSOUT=*                                               00590014
//SYSUDUMP DD SYSOUT=*                                               00600014
//ONLINE   DD DISP=SHR,                                              00610014
//            DSN=&PREFIX.CPPR.Vnnn.ONLINE.CICS                      00620014
//INDEX    DD DISP=SHR,                                              00630014
//            DSN=&PREFIX.CPPR.Vnnn.INDEX.CICS                       00640014
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                 00650014
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.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
//SYSMSGS  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

```
//SSATMON  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=SSA1TMNX,REGION=0M                                 00025012
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.CPPRERT                   00029212
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)             00029312
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.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
//SYSMSGS  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=0M                                     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
```

```
//*                                                                   00033712
//SYSIN    DD *,DCB=BLKSIZE=80                                        00033812
 SORT FIELDS=(057,08,CH,A,009,04,PD,A,045,04,CH,A,005,04,BI,A)       00033912
/*                                                                   00034012
//*                                                                   00034112
//*******************************************************************00920012
//*  THE NEXT STEP REDUCES THE CMF2 RECORDS INTO THE CPPR PDB     *  00930012
//*******************************************************************00940012
//ST3001   EXEC PGM=SSA1CICW,REGION=0M                                01061012
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                  01062012
//SYSNAP   DD SYSOUT=*                                                01063012
//SYSUDUMP DD SYSOUT=*                                                01064012
//*                                                                   01065013
//SYSUT1   DD DISP=SHR,DSN=*.ST2001.SORTOUT                           01065112
//*                                                                   01065213
//INDEX    DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.INDEX.CICS               01066012
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.CICS              01067012
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                  01068012
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            01069012
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                  01069112
//*                                                                   01069213
//SYSUT3   DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS)            01069312
//SSASPILL DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS)            01069412
//SYSPRINT DD SYSOUT=*                                                01069512
//SYSMSGS  DD SYSOUT=*                                                01069612
//SYSIN    DD  *                                                      01069712
SELECTED SYSTEM=SYSA                                                 01070012
CICS LINEAR LIST=YES                                                 01080012
SMFILE=CMF2                                                          01090012
DUMP SMF STATISTICS=YES                                              01100012
FORCE CICS INPUT=YES                                                 01110012
NO SMF SID=YES                                                       01120012
* * * * * * * *  IF YOU WISH TO SELECT A SPECIFIC REGION, SPECIFY:   01165012
*CICSNAME=CICSPROD                                                   01166012
* * * * * * * *  OTHERWISE, ALL REGISTERED REGIONS WILL BE PROCESSED. 01167012
* * * * * * THE CICS TRANSACTION ID IS THE DEFAULT KEY TO THE TABLE   01168012
* * *   IF YOU PREFER TO USE THE USERID OR THE PROGRAM NAME, SPECIFY:  01169012
*   PRIMARY ELEMENT KEY=USERID         /* USERID IS THE KEY  */        01169112
*   PRIMARY ELEMENT KEY=PROGRAM        /* PROGRAM NAME IS THE KEY  */  01169212
*************************************************************         01169312
* IF YOU ARE USING THE ACCOUNTING SUBSYSTEM TO PRODUCE ACCOUNTING     01169412
*  RECORDS, THE FOLLOWING KEY PHRASE MAY BE USED:                     01169512
*ACCOUNTING=CICS TRANSACTION                                          01169612
* THE OUTPUT WILL BE DIRECTED TO SYSUT10                              01169712
* * * * * * * * *                                                     01169812
* THE DEFAULT ACCOUNTING KEY FIELD (USERID) IS THE TRANSACTION NAME.  01169912
* IF YOU WISH THE USERID FIELD TO CONTAIN THE USERID, PLEASE SPECIFY   01170012
*PRIMARY ACCOUNT KEY=USERID                                           01170112
* IF YOU WISH THE USERID FIELD TO CONTAIN THE TERMINAL, PLEASE SPECIFY 01170212
*PRIMARY ACCOUNT KEY=TERMINAL NAME                                    01170312
/*                                                                   01171012
//*                                                                   01171112
//*******************************************************************01172012
//*  THE NEXT STEP PRINTS A SUMMARY REPORT FOR CICSC2P            *  01180012
//*******************************************************************01190012
//ST4001   EXEC PGM=SSA1CICR,REGION=0M                                01200012
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                  01210013
//*                                                                   01211013
//SYSNAP   DD SYSOUT=*                                                01220012
```

```
//SYSUDUMP DD SYSOUT=*                                          01230012
//ONLINE   DD DISP=(SHR,PASS),DSN=*.ST3001.SYSUT3              01240012
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT           01261013
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)     01262013
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.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
/*JOBPARM S=*
//*************************************************************
//* ALLOCATE THE DB2 PRODUCTION DATASETS
//*************************************************************
//ST0     EXEC PGM=IEFBR14
//DD01    DD DSN=&PREFIX.CPPR.V600.ONLINE.DB2,DISP=(,CATLG),
//           DSNTYPE=LIBRARY,DSORG=PO,
//           SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME
//DD02    DD DSN=&PREFIX.CPPR.V600.INDEX.DB2,DISP=(,CATLG),
//           DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462),
//           SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE DB2 PERFORMANCE DATABASE
//*************************************************************
//ST1      EXEC PGM=SSA1LOAD
//STEPLIB  DD DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DUMMY
//SYSUT1   DD DUMMY
//ONLINE   DD DSN=&PREFIX.CPPR.V600.ONLINE.DB2,DISP=SHR
//INDEX    DD DSN=&PREFIX.CPPR.V600.INDEX.DB2,DISP=SHR
//CIMSPASS DD DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
```

DDB2NRL1

```
//SSAREGR  JOB (...),'SSA',CLASS=A,MSGCLASS=X                    00010000
/*JOBPARM S=*                                                    00020000
//ST1 EXEC PGM=SSA1REGR,REGION=0M                                00030002
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR             00040000
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR             00041001
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR             00050000
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=0M                                00120002
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR             00130000
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR             00131001
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR             00140000
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=SSA1REGB,REGION=0M                                     00030002
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                  00040000
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                  00041001
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                  00050000
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=SSA1REGB,REGION=0M                                     00120002
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                  00130000
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                  00131001
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                  00140000
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=0M                                00030006
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.INDEX.DB2                00080000
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.DB2               00090000
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                  00100000
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            00101007
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                  00110000
//SYSUT3   DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS)              00120000
//SSASPILL DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS)            00130000
//SYSPRINT DD SYSOUT=*                                                00140000
//SYSMSGS  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      00650004
*  RECORDS, THE FOLLOWING KEY PHRASE MAY BE USED:                     00660004
*ACCOUNTING=DB2 TRANSACTION                                           00670004
* * * * * * * * *                                                     00671005
* 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      00720005
*  SYSTEM, PLEASE SPECIFY:                                            00730005
*CIMS ACCOUNTING FORMAT=YES                                           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.Vnnn.LOADLIB,DISP=SHR                  00040000
//SYSNAP   DD SYSOUT=*                                                00050000
//SYSUDUMP DD SYSOUT=*                                                00060000
//INDEX    DD DSN=&PREFIX.CPPR.Vnnn.INDEX.DB2,DISP=SHR                00070000
//ONLINE   DD DSN=&PREFIX.CPPR.Vnnn.ONLINE.DB2,DISP=SHR               00080000
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                  00090000
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR            00091004
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                  00100000
//SYSPRINT DD SYSOUT=*                                                00110000
//SYSMSGS  DD SYSOUT=*                                                00111001
//SYSIN    DD *                                                       00120000
SELECTED SYSTEM=*                                                     00130000
BEGIN DATE=01/25/2005                                                 00140003
END DATE=01/25/2005                                                   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
/*JOBPARM S=*
//*************************************************************
//* ALLOCATE THE IDMS PRODUCTION DATASETS
//*************************************************************
//ST0     EXEC PGM=IEFBR14
//DD01    DD DSN=&PREFIX.CPPR.V600.ONLINE.IDMS,DISP=(,CATLG),
//           DSNTYPE=LIBRARY,DSORG=PO,
//           SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME
//DD02    DD DSN=&PREFIX.CPPR.V600.INDEX.IDMS,DISP=(,CATLG),
//           DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462),
//           SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE IDMS PERFORMANCE DATABASE
//*************************************************************
//ST1      EXEC PGM=SSA1LOAD
//STEPLIB  DD DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DUMMY
//SYSUT1   DD DUMMY
//ONLINE   DD DSN=&PREFIX.CPPR.V600.ONLINE.IDMS,DISP=SHR
//INDEX    DD DSN=&PREFIX.CPPR.V600.INDEX.IDMS,DISP=SHR
//CIMSPASS DD DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
```

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.Vnnn.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.Vnnn.INDEX.IDMS               00080000
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.IDMS             00090000
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                  00100000
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            00101003
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                  00110000
//SYSUT3   DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS)              00120000
//SYSPRINT DD SYSOUT=*                                                00130000
//SYSMSGS  DD SYSOUT=*                                                00131002
//SYSIN    DD  *                                                      00140000
SELECTED SYSTEM=*                                                     00150000
IDMSNAME=IDMSCV0                                                      00160000
SMFILE=L102                                                           00170000
```

DIDMNROL

```
//SSAREGD  JOB (...),'SSA',CLASS=A,MSGCLASS=X                          00010000
/*JOBPARM S=*                                                         00020000
//ST1 EXEC PGM=SSA1REGD,REGION=1024K                                   00030000
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                   00040001
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                   00041003
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00050001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=IDMSCV0                                                      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=SSA1REGD,REGION=1024K                                   00120000
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                   00130001
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                   00131003
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00140001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.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.Vnnn.INDEX.IDMS               00080000
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.IDMS              00090000
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                  00100000
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            00101001
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                  00110000
//SYSUT3   DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS)              00120000
//SYSPRINT DD SYSOUT=*                                                00130000
//SYSMSGS  DD SYSOUT=*                                                00131000
//SYSIN    DD  *                                                      00132000
*  PROCESS PERFMON RECORDS FROM THE R12 DCLOG                         00132100
*  IDMSNAME MUST BE SPECIFIED                                         00132200
SELECTED SYSTEM=*                                                    00133000
IDMSNAME=IDMSCV0                                                     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.Vnnn.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.Vnnn.INDEX.IDMS               00080001
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.IDMS             00090001
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                  00100001
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            00101008
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                  00110001
//SYSUT3   DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS)              00120000
//SYSPRINT DD SYSOUT=*                                                00130000
//SYSMSGS  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=IDMSCV0                                                      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.Vnnn.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.Vnnn.INDEX.IDMS               00080000
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.IDMS              00090000
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                  00100000
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            00101005
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                  00110000
//SYSUT3   DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS)              00120000
//SYSPRINT DD SYSOUT=*                                                00130000
//SYSMSGS  DD SYSOUT=*                                                00131003
//SYSIN    DD  *                                                      00140000
SELECTED SYSTEM=*                                                     00150000
IDMSNAME=IDMSCV0                                                      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
*                       V   V                                         00175000
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.Vnnn.LOADLIB,DISP=SHR                   00040001
//SYSNAP   DD SYSOUT=*                                                 00050000
//SYSUDUMP DD SYSOUT=*                                                 00060000
//INDEX    DD DSN=&PREFIX.CPPR.Vnnn.INDEX.IDMS,DISP=SHR                00070001
//ONLINE   DD DSN=&PREFIX.CPPR.Vnnn.ONLINE.IDMS,DISP=SHR               00080001
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00090001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR             00091008
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                   00100001
//SYSPRINT DD SYSOUT=*                                                 00110000
//SYSMSGS  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      00470006
* * *  THE TERMINAL ACTIVITY LIST, USE THE FOLLOWING STATEMENT:       00480006
*ASCENDING SORT COLUMN=3                                              00490006
*   OR                                                                00500006
*DESCENDING SORT COLUMN=3                                             00510006
* * * WHERE THE COLUMN NUMBER REFERS TO THE COLUMN IN THE REPORT      00520006
* * *  COUNTING FROM THE LEFT, BEGINNING WITH 1                       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:              00560007
*SORT LIST SIZE=TOP100                                                00570007
* * * * * * * * * *                                                  00580006
```

DIMSINIT

```
//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X
/*JOBPARM S=*
//*************************************************************
//* ALLOCATE THE IMS PRODUCTION DATASETS
//*************************************************************
//STO     EXEC PGM=IEFBR14
//DD01    DD DSN=&PREFIX.CPPR.V600.ONLINE.IMS,DISP=(,CATLG),
//           DSNTYPE=LIBRARY,DSORG=PO,
//           SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME
//DD02    DD DSN=&PREFIX.CPPR.V600.INDEX.IMS,DISP=(,CATLG),
//           DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462),
//           SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE IDMS PERFORMANCE DATABASE
//*************************************************************
//ST1      EXEC PGM=SSA1LOAD
//STEPLIB  DD DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DUMMY
//SYSUT1   DD DUMMY
//ONLINE   DD DSN=&PREFIX.CPPR.V600.ONLINE.IMS,DISP=SHR
//INDEX    DD DSN=&PREFIX.CPPR.V600.INDEX.IMS,DISP=SHR
//CIMSPASS DD DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
```

DIMSNROL

```
//SSAREGI  JOB (...),'SSA',CLASS=A,MSGCLASS=X                          00010000
/*JOBPARM S=*                                                         00020000
//ST1 EXEC PGM=SSA1REGI,REGION=1024K                                   00030000
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                   00040001
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                   00041002
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00050001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=SSA1REGI,REGION=1024K                                   00120000
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                   00130001
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                   00131002
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00140001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=SSA1WKLD,REGION=5000K,TIME=60                       00030014
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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.MAN0                                   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.Vnnn.CPPRERT                   00130014
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)             00131016
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.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=0M,TIME=60                        00272714
```

```
//STEPLIB  DD  DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.CNTL(CIMSNUM)             00275316
//*--------------------------------------------------------------------  00275414
//*     END OF SAMPLE JCL FOR CIMSLP61 IMS LOG PREPROCESSOR       *     00275514
//********************************************************************  00275614
//********************************************************************  00275714
//* STEPS STO251A AND STO251B                                           00275814
//*     CIMSLP51 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
//STO251A  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
//STO2B    EXEC PGM=CIMSLP51,REGION=0M,TIME=60                          00277914
//STEPLIB  DD  DSN=&PREFIX.CPPR.Vnnn.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
```

```
//*-------------------------------------------------------------------  00279514
//*     THE FOLLOWING DD STATEMENTS ARE NECESSARY ONLY IF THE          00279614
//*     IF THE CIMS CHARGEBACK LOG PROCESSING IS BEING PERFORMED.      00279714
//*-------------------------------------------------------------------  00279814
//CIMSPRNT DD  SYSOUT=*                                                00279914
//CIMSIMS1 DD  DSN=&PREFIX.CIMSIMS.CIMSIMS1,DISP=(,CATLG,DELETE),      00280014
//             DCB=(LRECL=200,DSORG=PS,RECFM=VB,BUFNO=40),             00280114
//             SPACE=(CYL,(25,25))                                     00280214
//CIMSIMS7 DD  DSN=&PREFIX.CIMSIMS.CIMSIMS7,DISP=(,CATLG,DELETE),      00280314
//             DCB=(LRECL=27994,BLKSIZE=27998,DSORG=PS,RECFM=VB,       00280414
//             BUFNO=40),SPACE=(CYL,(50,50))                           00280514
//CIMSPASS DD  DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            00280616
//*-------------------------------------------------------------------  00280814
//*     END OF SAMPLE JCL FOR CIMSLP51 IMS LOG PREPROCESSOR       *    00280914
//******************************************************************   00281014
//******************************************************************   00282017
//*                                                                    00282117
//* STEP STO2 FOR IMF                                                  00283017
//*                                                                    00284117
//******************************************************************   00284917
//STO2     EXEC PGM=IMFCOPY5,REGION=2000K                              00285217
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.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
//STO3     EXEC PGM=SSA1IMSW,REGION=5000K,TIME=60                      00288714
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.INDEX.IMS                00330014
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.IMS               00340014
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                  00350014
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            00351016
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                  00360014
//SYSUT3   DD SPACE=(CYL,(10,8)),UNIT=SYSDA,DISP=(,PASS)              00370014
//SYSPRINT DD SYSOUT=*                                                00380014
//SYSMSGS  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.Vnnn.LOADLIB,DISP=SHR                   00040001
//SYSNAP   DD SYSOUT=*                                                 00050000
//SYSUDUMP DD SYSOUT=*                                                 00060000
//INDEX    DD DSN=&PREFIX.CPPR.Vnnn.INDEX.IMS,DISP=SHR                 00070001
//ONLINE   DD DSN=&PREFIX.CPPR.Vnnn.ONLINE.IMS,DISP=SHR               00080001
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00090001
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR             00091007
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                   00100001
//SYSPRINT DD SYSOUT=*                                                 00110000
//SYSMSGS  DD SYSOUT=*                                                 00111003
//SYSIN    DD *                                                        00120000
SELECTED SYSTEM=*                                                      00130000
IMS SYSTEM=IMSA                                                        00150000
IMS CONTROL=IMSCTL                                                     00160000
DBRC REGION=IMSDBRC                                                    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
/*JOBPARM S=*
//*************************************************************
//* ALLOCATE THE NETWORK PRODUCTION DATASETS
//*************************************************************
//ST0     EXEC PGM=IEFBR14
//DD01    DD DSN=&PREFIX.CPPR.V600.ONLINE.VTAM,DISP=(,CATLG),
//           DSNTYPE=LIBRARY,DSORG=PO,
//           SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME
//DD02    DD DSN=&PREFIX.CPPR.V600.INDEX.VTAM,DISP=(,CATLG),
//           DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462),
//           SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE NETWORK PERFORMANCE DATABASE
//*************************************************************
//ST1      EXEC PGM=SSA1LOAD
//STEPLIB  DD DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DUMMY
//SYSUT1   DD DUMMY
//ONLINE   DD DSN=&PREFIX.CPPR.V600.ONLINE.VTAM,DISP=SHR
//INDEX    DD DSN=&PREFIX.CPPR.V600.INDEX.VTAM,DISP=SHR
//CIMSPASS DD DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
```

DNETNROL

```
//SSAREGN  JOB (...),'SSA',CLASS=A,MSGCLASS=X                    00010002
/*JOBPARM S=*                                                    00020000
//ST1 EXEC PGM=SSA1REGN,REGION=0M                                00030005
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR             00040003
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR             00041004
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR             00050003
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.LOADLIB,DISP=SHR             00130003
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR             00131004
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR             00140003
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.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=SSA1NETW,REGION=0M                                00030007
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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.Vnnn.INDEX.VTAM               00080002
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.VTAM              00090002
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                  00100002
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)            00101008
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.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
//SYSMSGS  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=SSA1NETR,REGION=0M                                      00030007
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                   00040002
//SYSNAP   DD SYSOUT=*                                                 00050000
//SYSUDUMP DD SYSOUT=*                                                 00060000
//INDEX    DD DSN=&PREFIX.CPPR.Vnnn.INDEX.VTAM,DISP=SHR                00070002
//ONLINE   DD DSN=&PREFIX.CPPR.Vnnn.ONLINE.VTAM,DISP=SHR               00080002
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00090002
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR             00091010
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                   00100002
//SYSPRINT DD SYSOUT=*                                                 00110000
//SYSMSGS  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
/*JOBPARM  S=*
//*************************************************************
//* ALLOCATE THE CPPR SYSTEM FILES
//*************************************************************
//ST1      EXEC PGM=IEFBR14
//CPPRERT  DD   DSN=&PREFIX.CPPR.V600.CPPRERT,DISP=(,CATLG),
//              DCB=(RECFM=U,BLKSIZE=19069),
//              SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//HGDLIB   DD   DSN=&PREFIX.CPPR.V600.HGDLIB,DISP=(,CATLG),
//              DCB=(LRECL=80,BLKSIZE=4240,RECFM=FB),
//              SPACE=(TRK,(25,23,150)),UNIT=SYSDA,VOL=SER=&VOLUME
//LNGVLIB  DD   DSN=&PREFIX.CPPR.V600.LNGVLIB,DISP=(,CATLG),
//              DCB=(LRECL=132,BLKSIZE=13200,RECFM=FB),
//              SPACE=(TRK,(45,15,250)),UNIT=SYSDA,VOL=SER=&VOLUME
//XFRLIB   DD   DSN=&PREFIX.CPPR.V600.XFRLIB,DISP=(,CATLG),
//              DCB=(LRECL=4092,BLKSIZE=4096,RECFM=VB),
//              SPACE=(TRK,(40,10,50)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE ELEMENT REGISTRATION TABLE FILE
//*************************************************************
//ST2      EXEC PGM=IEBGENER
//STEPLIB  DD   DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD   DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//CIMSPASS DD   DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
//SYSPRINT DD   SYSOUT=*
//SYSIN    DD   DUMMY
//SYSUT1   DD   DUMMY
//SYSUT2   DD   DSN=&PREFIX.CPPR.V600.CPPRERT,DISP=SHR
```

DWKLINIT

```
//SSAINIT JOB (...),'SSA',CLASS=A,MSGCLASS=X
/*JOBPARM S=*
//*************************************************************
//* ALLOCATE THE WORKLOAD PRODUCTION DATASETS
//*************************************************************
//ST0     EXEC PGM=IEFBR14
//DD01    DD DSN=&PREFIX.CPPR.V600.ONLINE.WKLD,DISP=(,CATLG),
//           DSNTYPE=LIBRARY,DSORG=PO,
//           SPACE=(CYL,(90,30)),UNIT=SYSDA,VOL=SER=&VOLUME
//DD02    DD DSN=&PREFIX.CPPR.V600.INDEX.WKLD,DISP=(,CATLG),
//           DCB=(RECFM=FB,LRECL=18,BLKSIZE=15462),
//           SPACE=(TRK,(2,1)),UNIT=SYSDA,VOL=SER=&VOLUME
//*************************************************************
//* INITIALIZE THE WORKLOAD PERFORMANCE DATABASE
//*************************************************************
//ST1      EXEC PGM=SSA1LOAD
//STEPLIB  DD DSN=&PREFIX.CPPR.V600.LOADLIB,DISP=SHR
//CPPRPARM DD DSN=&PREFIX.CPPR.V600.PARMLIB,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DUMMY
//SYSUT1   DD DUMMY
//ONLINE   DD DSN=&PREFIX.CPPR.V600.ONLINE.WKLD,DISP=SHR
//INDEX    DD DSN=&PREFIX.CPPR.V600.INDEX.WKLD,DISP=SHR
//CIMSPASS DD DSN=&PREFIX.CPPR.V600.CNTL(CIMSNUM),DISP=SHR
```

DWKLNROL

```
//SSANROL  JOB (...),'SSA',CLASS=A,MSGCLASS=X                          00010000
/*JOBPARM S=*                                                         00020000
//ST1 EXEC PGM=SSA1NROL,REGION=0M                                     00030005
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                  00040002
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                  00041004
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                  00050002
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR            00051006
//SYSUT3   DD SPACE=(CYL,(5,2)),UNIT=SYSDA,DISP=(,PASS)               00060000
//SYSPRINT DD SYSOUT=*                                                00070000
//SYSMSGS  DD  SYSOUT=*                                               00071003
//SYSNAP   DD SYSOUT=*                                                00080000
//SYSIN    DD *                                                       00090000
SELECTED SYSTEM=*,IPO2,IPO3                                          00100000
```

DWKLPROD

```
//SSACPPR  JOB (...),'SSA',CLASS=A,MSGCLASS=X                          00010000
/*JOBPARM S=*                                                          00020000
//ST1 EXEC PGM=SSA1WKLD,REGION=0M                                      00030013
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.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 (SSA1CICW)   *     00062115
//*    UNCOMMENT THE NEXT 2 DD STATEMENTS:                        *     00062215
//*  THE FOLLOWING LIBRARY  CONTAINS THE DICTIONARY RECORDS       *     00062315
//*****************************************************************   00063015
//*CMF2DCTN DD DISP=SHR,DSN=&PREFIX.CPPR.CMFX.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.Vnnn.INDEX.WKLD                 00120003
//ONLINE   DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.ONLINE.WKLD                00130003
//CPPRERT  DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CPPRERT                    00140003
//CIMSPASS DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM)              00141014
//CPPRPARM DD DISP=SHR,DSN=&PREFIX.CPPR.Vnnn.PARMLIB                    00150003
//SYSUT3   DD SPACE=(CYL,(100,50)),UNIT=SYSDA,DISP=(,PASS)              00160000
//SYSPRINT DD SYSOUT=*                                                 00170000
//SYSMSGS  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=SSA1RPT,REGION=0M                                       00030013
//STEPLIB  DD DSN=&PREFIX.CPPR.Vnnn.LOADLIB,DISP=SHR                   00040005
//SYSNAP   DD SYSOUT=*                                                 00050000
//SYSUDUMP DD SYSOUT=*                                                 00060000
//INDEX    DD DSN=&PREFIX.CPPR.Vnnn.INDEX.WKLD,DISP=SHR                00070005
//ONLINE   DD DSN=&PREFIX.CPPR.Vnnn.ONLINE.WKLD,DISP=SHR               00080005
//CPPRERT  DD DSN=&PREFIX.CPPR.Vnnn.CPPRERT,DISP=SHR                   00090005
//CIMSPASS DD DSN=&PREFIX.CPPR.Vnnn.CNTL(CIMSNUM),DISP=SHR             00091017
//CPPRPARM DD DSN=&PREFIX.CPPR.Vnnn.PARMLIB,DISP=SHR                   00100005
//SYSPRINT DD SYSOUT=*                                                 00110000
//SYSMSGS  DD  SYSOUT=*                                                00120009
//SYSIN    DD *                                                        00130000
BEGIN DATE=01/01/2005                                                  00140014
END DATE=01/31/2005                                                    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
```

Index

D

E

G

H

I

J

L

M

N