CA Endevor® Software Change Manager

Reports Guide

Version 17.0.00

Second Edition

CA Technologies Product References

This document references the following CA Technologies products:

- CA Endevor ® Software Change Manager (CA Endevor SCM)

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Documentation Changes

The following documentation updates have been made since the last release of this documentation:

Note: In PDF format, page references identify the first page of the topic in which a change was made. If the topic is long, the actual change may appear on a later page.

Version 17.0, Second Edition

- CONRPT42 Report Column Headings (see page 66)— Updated to add changes for the Alter action.

Version 16.0

- Selection Dates and the Status Statement (see page 74)— Updated to add an example.
- All topics that include a description of the VVLL column head are updated to clarify that VVLL indicates the version and level of the element.

Release 15.1

- Notes on Sample JCL (see page 29)—Updated to specify that the BSTPDS DD statement data set name specification does not include the member name.
- CONRPT72: Package Detail Report (see page 82)—Updated with a sample report that shows a package in element backout status with USS outputs backed out.
- CONRPT72 Report Column Headings (see page 86)—Updated to indicate the BACKOUT column heading can show a value of ELMBACKOUT.
- CONRPT73 Report Column Headings (see page 119)—Updated to add the USS staging information column headings.

Version 15.0

- A topic was added for each report to describe the report column headings.
- CONRPT07 Report Column Headings (see page 45)—Added this topic and included Across SBS and Exclude Dup Proc O/P Chk for the option to extend the processor group Type check to the Subsystem level. The description for the Element Delta Format heading includes the value LOG.
- CONRPT51 Report Column Headings (see page 107)—Added this topic and included Across SBS for the option to extend the processor group Type check to the Subsystem level.

Contents

Chapter 1: Introduction to Reporting

This section contains the following topics:

CA Endevor SCM Reports

This guide describes the reporting capabilities of CA Endevor SCM.

CA Endevor SCM reports are written in assembler language, and provide some flexibility when generating the reports. For example, you can select a subset of reports to be produced for a specific environment, system, subsystem, and stage.

CA Endevor SCM reports do not produce summary lines when there is only one item in the group to be summarized. Therefore, some of the reports you generate might look slightly different from those included as examples in this manual.

In order to run the CA Endevor SCM reports, the report JCL has to be tailored for use at your site. This is done during installation.

CA Endevor SCM Assembler Reports

There are several categories of CA Endevor SCM Assembler reports:

- Master Control File reports
- Historical reports
- Package reports
- Footprint reports
- Unload/Reload reports
- Shipment reports
- Archive reports

Master Control File Reports

Master Control File reports contain summary and detail information about the system, subsystem, type, and element definitions specified to the CA Endevor SCM Master Control File. These reports include:

CONRPT01

System Inventory Profile

CONRPT02

System Inventory Summary

CONRPT03

Element Catalog

CONRPT04

Element Activity Profile

CONRPT05

Element Activity Summary

CONRPT06

Element Catalog by CCID

CONRPT07

System Definition Profile

CONRPT08

Element Signed Out Profile - by System

CONRPT09

Element Signed Out Profile - by User

CONRPT10

Approver Group Definition

CONRPT11

Approver Group Usage

CONRPT12

Element Catalog by Retrieve CCID

Historical Reports

Historical reports summarize security violations and element activity recorded by CA Endevor SCM. These reports are available if SMF logging is in use at your site, and are generated using the SMF records written during CA Endevor SCM processing. Historical reports include:

CONRPT40

Security Violation Summary

CONRPT41

Security Violation Profile

CONRPT42

Element Activity Profile

CONRPT43

Element Activity Summary

Package Reports

Package reports provide detail and summary information about the status of all packages within a specified library. These reports include:

CONRPT70

Package Summary Report

CONRPT71

Package Approver Report

CONRPT72

Package Detail Report

Footprint Reports

Footprint reports document footprint information placed in source and load modules by CA Endevor SCM. These reports include:

CONRPT80

Library Member Footprint Report

CONRPT81

Library CSECT Listing

CONRPT82

Library ZAPped CSECT Profile

CONRPT83

Footprint Exception Report

Note: Package reports and Footprint reports are mutually exclusive. If you need both types of reports, you must submit two separate jobs, or two separate jobsteps in the same job.

Unload and Reload Reports

Unload and Reload reports contain detail and summary information about system unload activity. Unload and Reload reports include:

CONRPT50

System Inventory Profile

CONRPT51

Unload System Definition Profile

CONRPT52

Unload Approver Group Definition

CONRPT53

Unload Approver Group Usage

CONRPT54

Element Catalog

CONRPT55

Unload Package Summary Report

Shipment Reports

Shipment reports contain package shipment and destination information. These reports include:

CONRPT73

Destination Detail Report

CONRPT74

Package Shipment Report by Package ID

CONRPT75

Package Shipment Report by Destination

CONRPT76

Package Shipment Report by Shipments

Archived Package Reports

Archived package reports provide detail and summary information for packages that are archived. These reports include:

CONRPT56

Archived Package Summary

CONRPT57

Archived Package Approver Report

CONRPT58

Archived Package Detail Report

Requesting CA Endevor SCM Reports

To generate CA Endevor SCM Assembler reports, you must execute the BC1JRPTS job. To specify a particular report or set of reports, you must edit the appropriate DD statements in the JCL. Make sure you supply a correct job card and check all DD statements before running the job. Also check the following DD statements, as noted in the JCL itself:

- BSTINP
- BSTPDS
- BSTIPT
- SMFDATA

The C1BR1000 program does not have to be called by an authorized program. However, users executing the non-authorized program must have the requisite security access to the CA Endevor SCM data sets for the function requested. The caller's security profile must have sufficient CA Top Secret, CA ACF2, or RACF, access to the CA Endevor SCM control files (catalog, master, package, base, delta), because the CA Endevor SCM alternate ID facility is not available when running in an unauthorized mode.

If you want to call the batch reporting program from a non-authorized program, specify:

```
EXEC PGM=C1BR1000
```

Generate Assembler Reports

The BC1JRPTS job stream contains a BSTINP DD statement used to pass report selection criteria to the report program. Before running this job, supply appropriate BSTINP input, specifying the statements you want from the following tables.

Note: Additional JCL statements may be used to specify selection criteria. For example, the Footprint Reports specifies an additional data set using a BSTIPT DD statement. This statement is described in Footprint Reports.

The following tables list each BSTINP keyword, and the report(s) to which it applies. When running the reports, any keywords that do not apply for a given report are ignored. For additional keywords that apply when requesting:

- Package Reports (CONRPT70-72), see Specifying Package Reports.
- Archived Package Reports (CONRPT56-58), see Specifying Archived Package Reports.
- Shipment Reports (CONRPT73-76), see Specifying Shipment Reports.

BSTINP Keywords for MCF and Historical Reports

Keyword	01	02	03	04	05	06	07	08
REPORT	x	x	x	x	x	x	x	x
ENVIRONMENT	x	x	x	x	x	x	x	x
SYSTEM	x	x	x	x	x	x	x	x
SUBSYSTEM	x	x	x	x	x	x		x
ELEMENT	x	x	x	x	x	x		x
TYPE	x	x	x	x	x	x	x	x
STAGE	x	x	x	x	x	x	x	x
DAYS				x	x			
SEARCH MAP	x	x	x	x	x	x	x	x
PACKAGE ID								

Keyword	09	10	11	12	40	41	42	43
REPORT	x	x	x	x	x	x	x	x
ENVIRONMENT	x	x	x	x	x	x	x	x
SYSTEM	x			x	x	x	x	x

Keyword	09	10	11	12	40	41	42	43
SUBSYSTEM	x			x	x	x	x	x
ELEMENT	x			x	x	x	x	x
TYPE	x			x	x	x	x	x
STAGE	x			x	x	x	x	x
DAYS				x	x	x	x	x
SEARCH MAP	x	x	x	x	x	x	x	x
PACKAGE ID								

BSTINP Keywords for Unload, Archived Package, Package, and Footprint Reports

Keyword	50	51	52	53	54	55	56	57
REPORT	x	x	x	x	x	x	x	x
ENVIRONMENT	x	x	x	x	x			
SYSTEM	x	x	x	x	x	x		
SUBSYSTEM	x	x	x	x	x	x		
ELEMENT	x	x	x	x	x	x		
TYPE	x	x	x	x	x	x		
STAGE	x	x	x	x	x	x		
DAYS				x	x			
SEARCH MAP	x	x	x	x	x	x		
PACKAGE ID						x	x	x
DESTINATION ID								
CONNECTION ID								
PRODUCT								

Keyword	58	70	71	72	73	74	75
REPORT	x	x	x	x	x	x	x
ENVIRONMENT					x	x	x
SYSTEM							
SUBSYSTEM							

Keyword	58	70	71	72	73	74	75	
ELEMENT								
TYPE								
STAGE								
DAYS								
SEARCH MAP								
PACKAGE ID	x	x	x	x	x	x	x	
DESTINATION ID					x	x	x	
CONNECTION ID								
PRODUCT								

Keyword	76	80	81	82	83
REPORT	x	x	x	x	x
ENVIRONMENT	x				x
SYSTEM					
SUBSYSTEM					
ELEMENT					
TYPE					
STAGE					x
DAYS					
SEARCH MAP					
PACKAGE ID	x				
DESTINATION ID	x				
CONNECTION ID					
PRODUCT					

BSTINP Syntax

BSTINP selection statement syntax is shown next. With the exception of ENVIRONMENT, which is required for most reports, all statements are optional and default to ALL.

The statements are freeform, and can be coded anywhere between columns 1 and 72 of the input card-image line. Multiple statements can be coded on a line, and a single statement can span multiple lines. Each keyword or name, however, must be completely contained on a single line.

Masking can be used with the following parameters: ENV, SYS, SUB, ELE, TYP, and STA. For environment names, however, name masking is only valid for historical reports.

The syntax is as follows:

REPort {*nn*} ... .

ENVironment *environment-name*.

SYStem *system-name*.

SUBsystem *subsystem-name*.

ELEment *element-name*.

TYPe *type-name*.

STAge *stage-id*.

DAYs *n*.

SEArch [ENVIRONMENT] MAP.

PACkage id *package-id*.

DEStination id *destination-id*.

CONnection id *connection-id*.

BSTINP Syntax Options

The following information describes the syntax and use of each BSTINP statement.

REPort {nn} ... .

Specifies the reports you want. nn is the two digits of the report ID, and can be repeated up to 21 times. Separate multiple report numbers by one or more spaces.

Example: REPort {nn} syntax

```
REPORT  04  05  83.
```

If no REPORT command is entered, all reports, except for Package reports, are produced.

Remember the Package reports and Footprint reports are mutually exclusive. If you want both types of reports, you must submit two separate jobs (or two separate jobsteps in the same job).

ENVironment environment-name.

Identifies the single environment for which the reports are produced. This command is required for all reports except 55 thru 58, 70 thru 76, and 80 thru 82.

SYStem system-name.

Limits the report to information for the system(s) indicated by system-name, which can be a complete or generic name. For example:

- **SYSTEM ACCTGL** — Selects the single system named ACCTGL.
- **SYSTEM ACCT*** — Selects all systems beginning with the characters ACCT.

If a SYSTEM statement is omitted, all systems are selected.

SUBsystem subsystem-name.

Limits the report to information for the subsystem(s) indicated by subsystem-name. If omitted, all subsystems are selected.

ELEment element-name.

Limits the report to information for the element(s) indicated by element-name. If omitted, all elements are selected.

TYPe type-name.

Limits the report to information for the element type(s) indicated by type-name. If omitted, all types are included.

STAge stage-id.

Limits the report to information for the stage(s) indicated by stage-id. If omitted, both stages are included.

DAYs n.

Limits the report to the activity recorded during the last n days. The default is activity recorded during the last seven days.

SEArch [ENVIRONMENT] MAP.

Tells CA Endevor SCM to search the map, beginning at the specified stage, when producing the report.

PACkage id package-id.

Limits the report to the packages with the specified IDs.

DEStination id destination-id.

Limits the report to the destinations with the specified IDs.

CONnection id connection-id .

Limits the report information to the connections with the specified IDs.

1Masking can be used. For environment names, however, name masking is only valid for historical reports.

Input Command Summary

When you run an Assembler report job, the first page of output is an Input Command Summary. This summary lists each BSTINP DD statement input to the job, and then lists the values used for each selection statement. If your BSTINP selection statements contain syntax errors, these are listed in this report and the run is terminated.

If you have selected any of the Footprint reports (80-83), a separate one-page listing summarizes the statements input following the BSTIPT DD statement.

Report Extract Phase Summary

Following the Input Command Summary, the reporting program produces an Extract Phase Summary, which lists the total number of items extracted for each selected report. In addition, it lists the sort control parameters used to invoke the sort program, as well as the completion code returned by the sort (this should always be 0000).

Name Masking

To help you more easily find information and process requests, you can use name masking. By substituting a name with the asterisk wildcard character (*), a character with the percent sign placeholder (%), or by using both together, it is much faster and easier to find information and process requests.

Note: For more information about name masking and valid uses for name masking, see the *User Guide*.

SCL Statement Syntax Convention

CA Endevor SCM uses the IBM standard for representing syntax.

Note: For information about syntax, how you code syntax, and sample syntax diagrams, see the *SCL Reference Guide*.

Chapter 2: Requesting Reports in Foreground

This section contains the following topics:

How to Request Reports in Foreground

You can build report job streams to generate CA Endevor SCM reports in foreground.

CA Endevor SCM allows you to build, in foreground, the JCL necessary to generate the following CA Endevor SCM reports:

- Master Control File
- Historical (SMF)
- Package
- Footprint
- Unload/Reload
- Shipments
- Archived Package

There are four steps to build report jobstreams. You must:

1. Build report JCL.
2. Edit the JCL.
3. Create a jobcard.
4. Submit the job.

The following sections describe how to perform each of these steps.

Build CA Endevor SCM Report JCL

You build report JCL in foreground from the CA Endevor SCM Reporting Interface panel.

To access this panel

1. Type **U** in the Option field of the Primary Options panel and press Enter.

   The User Options Menu opens.

2. Type **1** in the Option field and press Enter.

   The CA Endevor SCM Reporting Interface opens.

3. Enter the number that corresponds to the type of report you want to generate in the Option field and press Enter. Select one of the following options:

   1 – Master Control File reports (CONRPT01-12)

   2 – Historical (SMF) reports (CONRPT40-43)

   3 – Package reports (CONRPT70-72)

   4 – Footprint reports (CONRPT80-83)

   5 – Unload/Reload reports (CONRPT50-55)

   6 – Shipment reports (CONRPT73-76)

   7 – Archived Package Reports (CONRPT56-58)

Each report option builds one job step. When you specify multiple sets of reports, the system automatically appends the job steps to each other. This makes it possible to submit all report requests in a single job stream.

Report JCL Example

You specify Master Control File reports 02, 03, and 05 using Option **1**. A job step is created to run these three reports. Next, you specify Option **4** to request Footprint reports 80 and 83. A second job step is appended to the job step for the Master Control File reports. Finally, you can submit all the reports for execution by selecting Option **S**. CA Endevor SCM adds the job statement information to the JCL before submitting the job.

Generate Master Control File Reports

The Master Control File Reports panel displays when you select option **1** on the CA Endevor SCM Reporting Interface panel.

To generate Master Control File reports

1. Select the reports you want to generate.

   Do this in the SELECT REPORTS fields, by typing an alphanumeric character in the field next to the number of the report you want to generate.

2. Specify the CA Endevor SCM location that you want to analyze in the report.

   Do this in the FROM NDVR fields. You must specify an environment. All other fields are optional. The system uses the DAYS field only when generating reports 04 (Element Activity Profile) and 05 (Element Activity Summary).

3. Press Enter or press the End key.

   If you press Enter, CA Endevor SCM builds the JCL to generate the reports you have specified, and returns to the Reporting Interface panel displaying the message, JOB STEP CREATED, in the upper-right corner of the panel. At this point you can:

   - Press the END key to cancel and return to the User Options Menu.
   - Build JCL steps for other reports (options **1**-**7**).
   - Edit the JCL that has just been built (option **E**).
   - Submit the job for execution (option **S**).

   If you press the End key, CA Endevor SCM cancels the build request and returns the Reporting Interface panel.

4. Enter **Y** or **N** (default) in the SEARCH ENVIRONMENT MAPPING field. Entering **Y** causes CA Endevor SCM to search the environment map for the data sets you specify.

If you specify **Y** for CA Endevor SCM to search the environment map, your Master Control File report output is affected in the following ways:

- The inventory presented in your reports will be organized by system through the environment map.
- The stage you specify in the STAGE field of the CA Endevor SCM Master Control File Reports panel acts as the starting point for the search that generates the report.

  An element's inventory name (system, subsystem, and type) can change over environments and its type can change over stages and still refer to the same element. As a result, an element can be traced from one stage or environment to another.

When CA Endevor SCM searches the environment map, output for the following reports is affected:

- CONRPT01-09
- CONRPT12

Note: For more information about environment mapping, refer to the *Administration Guide*.

Generate Historical (SMF) Reports

The CA Endevor SCM Historical (SMF) Reports panel displays when you select option **2** on the CA Endevor SCM Reporting Interface panel.

To generate CA Endevor SCM Historical (SMF) reports

1. Select the reports you want to generate. Do this in the SELECT REPORTS fields, by typing an alphanumeric character in the field(s) next to the number(s) of the report(s) you want to generate.
2. Specify the data set that you want to analyze in the report(s). This field is required. Note that if you type the data set name in single quotes ('DEV.ndvrc1.loadlib'), ISPF uses exactly that data set name. If you do not enclose the data set name in single quotes, ISPF prefixes the data set name with your TSO user ID.
3. In the SELECTION INFORMATION fields, specify the CA Endevor SCM location to analyze in the report(s). You must specify an environment. All other fields are optional.
4. Press ENTER or the END key.

If you press Enter, CA Endevor SCM builds the JCL to generate the reports you have specified, and returns to the Reporting Interface panel displaying the message, JOB STEP CREATED, in the upper-right corner of the panel.

Generate Package Reports

The CA Endevor SCM Package Reports panel displays when you select option **3** on the CA Endevor SCM Reporting Interface panel.

To generate CA Endevor SCM Package reports

1. Select the reports you want to generate. Do this in the SELECT REPORTS fields, by typing an alphanumeric character in the field(s) next to the number(s) of the report(s) you want to generate.
2. Specify other information necessary to qualify your request. This information is optional.

Generate Footprint Reports

The CA Endevor SCM Footprint Reports panel displays when you select option **4** on the CA Endevor SCM Reporting Interface panel.

To generate CA Endevor SCM Footprint reports

1. Select the report(s) you want to generate. Do this in the SELECT REPORTS fields, by typing an alphanumeric character in the field(s) next to the number(s) of the report(s) you want to generate.

2. Specify the data set that you want to analyze in the report(s). Do this in the FROM ISPF LIBRARY fields or the FROM OTHER PARTITIONED OR SEQUENTIAL DATA SET field. Type a data set name in only one of these locations. If you type a data set name in both places, the reporting interface will use the data set name in the FROM OTHER PARTITIONED OR SEQUENTIAL DATA SET field and ignore the one entered in the FROM ISPF LIBRARY fields.

   If you type the data set name in the FROM OTHER PARTITIONED OR SEQUENTIAL DATA SET field in single quotes ('DEV.ndvrc1.loadlib'), ISPF uses exactly that data set name. If you do not enclose the data set name in single quotes, ISPF prefixes the data set name with your TSO user ID.

3. Specify **Y** or **N** in the FOOTPRINT EXTRACT FILE field. If you enter **Y**, the data set you selected is treated as an alien data set; that is, as if it had already been processed by BC1PFOOT.

4. Specify qualifying information (optional). You may qualify the report request in up to three ways:

   - Specify a subset of members from the FROM data set for inclusion in the report(s). Do this in the MEMBER and THRU MEMBER fields (in the FROM ISPF LIBRARY section). You may use name masks to make this qualification. The reporting interface builds an INCLUDE statement with this information.
   - Specify a range of members and/or CSECTs to be excluded from the report. Do this in the EXCLUDE INFORMATION fields. You may use name masks to make this qualification. The reporting interface builds an EXCLUDE statement with this information.
   - Use the EXCLUDE INFORMATION fields to exclude data set members from the analysis.
   - Specify an environment with which to correlate the report information. Do this in the CORRELATE INFORMATION: ENVIRONMENT field. This applies to Report 83 only.

5. Press ENTER or the END key.

   If you press Enter, CA Endevor SCM builds the JCL to generate the reports you have specified, returns to the Reporting Interface panel displaying the message, JOB STEP CREATED, in the upper-right corner of the panel.

Generate Unload and Reload Reports

The CA Endevor SCM Unload/Reload Reports panel displays when you select option **5** on the CA Endevor SCM Reporting Interface panel.

To generate CA Endevor SCM Unload/Reload reports

1. Select the report(s) you want to generate. Do this in the SELECT REPORTS fields, by typing an alphanumeric character in the field(s) next to the number(s) of the report(s) you want to generate.
2. Using the FROM UNLOAD TAPE fields, specify the physical location (tape or disk) of the information you want included in the report. You must specify this information using JCL conventions. The //UNLINPT DD portion of this DD statement is already specified. The UNLINPT DD definition in the execution JCL cannot specify a concatenation of data sets.
3. Specify the CA Endevor SCM location information on which you want to report. Do this in the SELECTION fields. You must specify an environment. All other fields are optional. CA Endevor SCM uses the PACKAGE ID field only when generating Report 55 (Unload Package Report).
4. Press ENTER or the END key.

   If you press Enter, CA Endevor SCM builds the JCL to generate the reports you have specified, returns to the Reporting Interface panel displaying the message, JOB STEP CREATED, in the upper-right corner of the panel.

Generate Shipment Reports

The CA Endevor SCM Shipment Reports panel displays when you select option **6** on the CA Endevor SCM Reporting Interface panel.

To generate CA Endevor SCM Shipment reports

1. Select the reports you want to generate. Do this in the SELECT REPORTS fields, by typing an alphanumeric character in the field(s) next to the number(s) of the report(s) you want to generate.
2. Specify other information necessary to qualify your request. This information is optional.

Generate Archived Package Reports

The CA Endevor SCM Archived Package Reports panel displays when you select option **7** on the CA Endevor SCM Reporting Interface panel.

Note: If a package is archived to a Partitioned Data Set (PDS), you can generate reports only from individual members of a data set and not the complete data set.

To generate CA Endevor SCM Archived Package reports

1. Select the reports you want to generate. Do this in the SELECT REPORTS fields, by typing an alphanumeric character in the field(s) next to the number(s) of the report(s) you want to generate.
2. In the FROM ARCHIVE TAPE field, specify the physical location (tape or disk) of the archived packages. This information must be specified using JCL conventions. The //ARCINPT DD portion of the DD statement is provided automatically.
3. Specify other information necessary to qualify your request. This information is optional.

Edit Report JCL

After building the JCL for a series of reports, the CA Endevor SCM Reporting Interface panel allows you to review and edit the JCL.

To edit the report JCL

1. Select the EDIT option by typing an **E** in the OPTION field and pressing Enter.

   CA Endevor SCM displays the report JCL.
2. Edit the JCL as necessary.
3. Press the END key to return to the CA Endevor SCM Reporting Interface panel.

Notes on Sample JCL

The reporting interface uses the information provided on the report specification panels to build two components of the report JCL that it generates on a job-by-job basis. These components are:

- Report selection criteria
- DD statements as needed by the reports

The reporting interface specifies the report selection criteria in the //BSTINP DD * statement in the JCL. The reporting interface always builds a //BSTRPTS DD SYSOUT=* statement. This is the data set that receives the report output. It builds the following DD statements as necessary:

//BSTPDS DD

From data set to be analyzed in one or more Footprint reports (CONRPT80-83).Specify a data set name only, without specifying the member in parentheses, for example: DSN=PRFX.SUFX.LOADLIB,DISP=SHR

//BSTIPT DD

Include and/or exclude statements for one or more Footprint reports.

//SMFDATA DD

From SMF data set to be analyzed in one or more Historical (SMF) reports (CONRPT40-43).

//UNLINPT DD

From data set to be analyzed in one or more of the Unload/Reload reports (CONRPT50-55). The UNLINPT DD definition in the execution JCL cannot specify a concatenation of data sets.

//FOOTDD DD

An optional footprint file. The actual footprint DDname is identified in the input BSTINP syntax and is applicable to the Footprint reports only.

//ARCINPT DD

Input for the Archived Packages Report, it contains the data that is analyzed. (CONRPT56-58) The report processing utility C1BR1000 does not have to be called by an authorized program. However, users executing the non-authorized program must have the requisite security access to the CA Endevor SCM data sets for the function requested. The caller's security profile must have sufficient CA Top Secret, CA ACF2, or RACF, access to the CA Endevor SCM control files (catalog, master, package, base, delta), because the CA Endevor SCM alternate ID facility is not available when running in an unauthorized mode.

If you want to call the report processing utility from a non-authorized program, specify:

```
EXEC PGM=C1BR1000
```

Create a Jobcard

You can create the jobcard for the report job stream on the CA Endevor SCM Reporting Interface panel. Do this in the JOB STATEMENT INFORMATION fields.

Submit a Job

After building the report job stream

1. Review and edit the JCL as necessary
2. Create the jobcard for the job
3. You can submit the job by typing **S** in the OPTION field on the CA Endevor SCM Reporting Interface panel and pressing Enter.

Once the job has been submitted, CA Endevor SCM initializes its work file so you may begin building a new job stream. CA Endevor SCM returns the CA Endevor SCM Reporting Interface panel with the message JOB SUBMITTED displayed in the upper-right corner of the panel.

Chapter 3: Master Control File Reports

This section contains the following topics:

Data Extract Facility for Master Control Files

CA Endevor SCM allows you to extract data without producing a report. You must submit an EXTRACT request, and the data to be extracted must be written to a data set identified in an EXTRACT DD statement. We recommend a LRECL of 4092 and a RECFM of VB. The data in this extract file is available to you to create custom reports. When you request EXTRACT, CA Endevor SCM does not print an extract summary report.

To extract data, submit an EXTRACT request and code a EXTRACT DD statement to specify the data set where the extracted data will be written. To extract data only, do not submit a REPORT request. Specify an extract number that matches the report number for the type of information you want to extract. You can extract data for any of the MCF reports, and you can specify multiple report number on an Extract statement. For example:

- To generate a CONRPT10: Approver Group Definition report, code the following:

  ```
  REPORT  10.
  ```

- To extract report data for CONRPT10: Approver Group Definition and CONRTPT11: Approver Group Usage, but not generate a report, instead of a Report statement, code the following:

  ```
  EXTRACT  10 11.
  ```

Note: The Comma Separated Value (CSV) utility lets you extract Master Control File (MCF) and package file information and write it to a CSV formatted file. For more information about the utility, see the chapter "Using the Comma Separated Value (CSV) Utility" in the *Utilities Guide*.

Reports Discussed in this Chapter

The following reports are described in detail in this chapter:

- CONRPT01: System Inventory Profile
- CONRPT02: System Inventory Summary
- CONRPT03: Element Catalog
- CONRPT04: Element Activity Profile
- CONRPT05: Element Activity Summary
- CONRPT06: Element Catalog by CCID
- CONRPT07: System Definition Profile
- CONRPT08: Element Signed Out Profile - by System
- CONRPT09: Element Signed Out Profile - by User
- CONRPT10: Approver Group Definition

- CONRPT11: Approver Group Usage
- CONRPT12: Element Catalog by Retrieve CCID

The Master Control File reports reflect the definitions of systems, subsystems, element types, and elements, which are stored in the CA Endevor SCM Master Control File.

CONRPT01: System Inventory Profile

CONRPT01 provides detailed information about each element in each system requested. A total statement count is included at each lowest-level break where more than one element is shown for that break level.

This report allows you to see which elements have been updated or processed as a part of the most current project. For example, elements that have been overlooked can be spotted and updated before they are moved to production.

If you direct CA Endevor SCM to search the environment map to create CONRPT01, information is organized differently than a search that is confined to a single environment. When CA Endevor SCM searches the environment map, the sort sequence is organized according to subsystem, type and relative stage number. Each entry shows source, environment, system, subsystem, stage, and type values.

CONRPT01 Report Column Headings

This section describes the column headings that appear on the CONRPT01 System Inventory Profile report.

System

Contains the name of the system covered by this report page.

System Title

Contains the description of the system covered by this report page.

Backup Date

Contains the date of the most recent backup of this system.

Backup Time

Contains the time of the most recent backup of this system.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

Element

Specifies the name of an element defined within the system, subsystem, element type, and stage shown to the left, and for which detailed information is shown to the right.

VVLL

Indicates the version and level of the element.

Processor Group

Contains the name of the processor group for the element.

Base Date

Contains the base date for the element (*ddMMMyy*).

Base User ID

Contains the base user ID for the element.

Current Date

Contains the date for the current level of the element (*ddMMMyy*).

Current User ID

Contains the user ID for the current level of the element.

Last Gen Date

Contains the date of the previous run of generate processor for the element (*ddMMMyy*).

Last Gen User ID

Contains the user ID for the previous run of generate processor for this element.

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

CONRPT02: System Inventory Summary

For each system included in the report request, this report provides element summary information. When used to report on an entire system, this report is useful in determining the overall size of that system. CONRPT02 is a summary version of CONRPT01.

If you direct CA Endevor SCM to search the environment map to create CONRPT02, information is organized differently than a search that is confined to a single environment. When CA Endevor SCM searches the environment map, the sort sequence is organized according to subsystem, type and relative stage number. Each entry shows source, environment, system, subsystem, stage, and type values.

CONRPT02 Report Column Headings

This section describes the column headings that appear on the CONRPT02 System Inventory Summary report.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

Number of Elements

Contains the total number of elements defined for the system, subsystem, element type, and stage shown to the left.

Total Statements

Contains the total number of source statements in all the elements.

Average # of Statements

Contains the average number of source statements in each element.

Largest # of Statements

Identifies and displays the largest number of source statements in any one element.

CONRPT03: Element Catalog

For the selected environment(s), this report provides detailed information for all elements defined in the Master Control File. This report is sorted by element name.

If you direct CA Endevor SCM to search the environment map to create CONRPT03, information is organized differently than a search that is confined to a single environment. When CA Endevor SCM searches the environment map, the sort sequence is organized according to element, environment, system, subsystem, type and relative stage number.

CONRPT03 Report Column Headings

This section describes the column headings that appear on the CONRPT03 Element Catalog report.

Element

Contains the name of the element for which information is shown to the right.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

VVLL

Indicates the version and level of the element.

Processor Group

Contains the name of the processor group associated with the element.

Base Date

Contains the base date for the element (*ddMMMyy*).

Contains the base User ID

Contains the base user ID for the element.

Current Date

Contains the date for the current level of the element (*ddMMMyy*).

Current User ID

Contains the user ID for the current level of the element.

Last Gen Date

Contains the date of the previous run of generate processor for the element (*ddMMMyy*).

Last Gen User ID

Contains the user ID for the previous run of generate processor for this element.

Delta Type

Contains the format in which change history is maintained:

- **F**—Forward
- **R**—Reverse
- **I**—Full image delta
- **L**—Log

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

CONRPT04: Element Activity Profile

This report details the last action performed on each element during the time specified using the DAYS statement.

This report is useful in determining whether any work is currently being done on a particular system. It is also useful in identifying who has retrieved elements recently and, consequently, isolating any potential conflicting updates.

If you direct CA Endevor SCM to search the environment map to create CONRPT04, information is organized differently than a search that is confined to a single environment. When CA Endevor SCM searches the environment map, the sort sequence is organized according to subsystem, type and relative stage number. Each entry shows source, environment, system, subsystem, stage, and type values.

CONRPT04 Report Column Headings

This section describes the column headings that appear on the CONRPT04 Element Activity Profile report.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

Element

Contains the name of the element defined within the system, subsystem, element type, and stage shown to the left, and for which information is shown to the right concerning the *last* action.

Last Action

Contains the last action recorded for the element.

Action Date

Contains the date the last action (above) was performed (*ddMMMyy*).

Current User ID

Contains the User ID for the current level of the element.

PROCRC

Contains the processor return code for the element. If the element has been restored (or transferred to Endevor from an archive data set), but has not been processed subsequently, this is the processor return code stored for the element on the archive data set. When this is the case, be aware that the status of the processor information taken from the archive data set during the RESTORE (or TRANSFER) action may be out of sync with the current processor output, if any.

NDVRRC

Contains the Endevor return code for the element.

CCID

Contains the current source CCID for the element.

VVLL

Indicates the version and level of the element.

Stmts

Contains the total number of source statements in the current level of the element.

*****

Indicates the element is signed out.

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

CONRPT05: Element Activity Summary

This report summarizes the last actions executed for all elements reported, for the time period requested using the days selection statement. CONRPT05 is a summary version of CONRPT04.

This report summarizes element activity by system, subsystem, element type, and stage, in that order. This sequence lets you see the activity by system and, by comparing the report to the System Inventory Profile (Report 01), you can spot those systems that have elements but no activity for the time period shown.

If you direct CA Endevor SCM to search the environment map to create CONRPT05, information is organized differently than a search that is confined to a single environment. When CA Endevor SCM searches the environment map, the sort sequence is organized according to subsystem, type and relative stage number. Each entry shows source, environment, system, subsystem, stage, and type values.

CONRPT05 Report Column Headings

This section describes the column headings that appear on the CONRPT05 Element Activity Summary report.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage

Contains the ID of the stage for the information shown to the right.

ACTION

Contains the number of times the action named (ADD, RETRIEVE, etc.) was the last action requested, for an element defined within the system, subsystem, element type, and stage indicated, during the time frame selected.

This heading appears once for each type of action recorded as the last action for a reported element.

CONRPT06: Element Catalog by CCID

This report provides element information by CCID. For each CCID, it lists (and provides information about) those elements for which this is the last-specified CCID stored in the Master Control File for the element.

CCIDs are used to categorize activity and/or elements by user-specific criteria. Once the appropriate categories are assigned, this report is useful in tracking changes by category, for example, project, task, and so on. It lets you see quickly what elements have been modified, by whom, and when.

CONRPT06 Report Column Headings

This section describes the column headings that appear on the CONRPT06 Element Catalog by CCID report.

CCID

Contains the Change Control ID for which information is shown to the right.

CT

Contains the CCID type. The values that may appear in this field are:

- **S**—Source CCID
- **G**—Generate CCID
- **L**—Last Action CCID

Element

Specifies the name of an element defined within the system, subsystem, element type, and stage shown to the left, and for which detailed information is shown to the right.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

VVLL

Indicates the version and level of the element.

Base Date

Contains the base date for the element (*ddMMMyy*).

Base User ID

Contains the base user ID for the element.

Current Date

Contains the date for the current level of the element (*ddMMMyy*).

Current User ID

Contains the user ID for the current level of the element.

Last Gen Date

Contains the date of the previous run of generate processor for the element (*ddMMMyy*).

Last Gen User ID

Contains the user ID for the previous run of generate processor for this element.

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

CONRPT07: System Definition

This report provides detailed system definition information for each system requested.

Note: For more on system definition information, see the *Administrator Guide*.

CONRPT07: System Definition Report

This section shows the CONRPT07 System Definition report.

```
1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                        04/12/11  15:47:50     PAGE     3
 -- EZBUILDER 15353787 SCENARIO TEST --              CA Endevor SCM                            VERSION 15.0  SERIAL B1500C

                                      CONRPT07:  SYSTEM DEFINITION PROFILE


  ENVIRONMENT: ENV1     TITLE: EZBUILDER FIRST ENVIRONMENT                    RELATIVE ENVIRONMENT NUMBER:    1
0  STAGE                                                                          ENTRY RELATIVE   NEXT     NEXT
   NAME     ID    TITLE                MASTER CONTROL FILE                       STAGE STAGE NO   ENVIRON  STAGE
   -------- --    -------------------  ----------------------------------------  ----- --------   -------  --------
   ENV1STG1 1     ENV1  STAGE 1         PUBLIC.USER001.NSC.ENV11.MCF                Y          1   ENV1     ENV1STG2
0  STAGE                                                                          ENTRY RELATIVE   NEXT     NEXT
   NAME     ID    TITLE                MASTER CONTROL FILE                       STAGE STAGE NO   ENVIRON  STAGE
   -------- --    -------------------  ----------------------------------------  ----- --------   -------  --------
   ENV1STG2 2     ENV1  STAGE 2         PUBLIC.USER001.NSC.ENV12.MCF                N          2   ENV2     ENV2STG1
0  SYSTEM                                              NEXT     COMMENT  CCID  JUMP  ACTIVATE  VALIDATE  LAST BACKUP
   NAME     DESCRIPTION                                SYSTEM   REQ      REQ   REQ   SIGNIN/OUT  REQ    DATE     TIME
   -------- -------------------------------------------------- -------- -------  ----  ----  ----------  ---    -------  -----
   SYS      SYSTEM SYS                                 SYS       N        N     N      N          N
0                         DUP ELM NAME CHK     DUP PROC O/P TYPE CHK      AUTO AGE LVL RETENTION
                          ACTIVE / MSGSEV   ACTIVE / ACROSS SBS / MSGSEV  ELM / #MTHS  CMP / #MTHS
                            N    /  N/A       N    /     N         N/A     N  /  000    N /   000
0   STAGE NAME: ENV1STG1  PROCESSOR LOAD LIBRARY: PUBLIC.USER001.NSC.ENV11.PRCSLOAD
                          PROCESSOR LIST LIBRARY: PUBLIC.USER001.NSC.ENV11.LISTLIB
0   SUBSYSTEM: SSYS      TITLE: SUBSYSTEM SSYS IN SYSTEM SYS                      NEXT SBS: SSYS     EXCLUDE DUP PROC O/P CHK: N
0   SUBSYSTEM: SUB1      TITLE: SUBSYSTEM SSYS IN SYSTEM SYS                      NEXT SBS: SUB1     EXCLUDE DUP PROC O/P CHK: N
0   SUBSYSTEM: SUB2      TITLE: SUBSYSTEM SSYS IN SYSTEM SYS                      NEXT SBS: SUB2     EXCLUDE DUP PROC O/P CHK: N
0   SUBSYSTEM: SUB3      TITLE: SUBSYSTEM SSYS IN SYSTEM SYS                      NEXT SBS: SUB3     EXCLUDE DUP PROC O/P CHK: N
0    TYPE: ASMMAC       DESCRIPTION: ASSEMBLER MACROS                                              NEXT TYPE: ASMMAC
0    DELTA   DEFAULT    DATA  FILE      HFS           PV/LB      REG    SOURCE     COMPARE   COMPRESS   AUTO    CONSOL    LEVELS
     FORMAT  PROC GROUP FMT   EXTENSION FMT  LANG     LANG     PCT SEV  LENGTH   FROM    TO    BASE     CONSOL  AT LEVEL TO CONSOL
     -----   ---------- ----  --------- ---- -------- -------- --- ---  ------  ----- -----    ----     ------  -------- ---------
     LOG     *NOPROC*   T               NL   ASM      DATA     00   C       80      1    72    NO       YES           96        50
0    LAST UPDATED BY: USER001   LAST UPDATE DATE: 12APR11  LAST UPDATE TIME: 15:47
     COMPONENT LIST OPTIONS:    FWD/REV DELTA: REV         AUTO CONSOL: YES  CONSOL AT LEVEL:  96  LEVELS TO CONSOL:  50
0    BASE LIBRARY:  PUBLIC.USER001.NSC.ENV11.ASMMAC                  INCLUDE LIBRARY:
     DELTA LIBRARY: PUBLIC.USER001.NSC.ENV11.DELTA               SOURCE OUTPUT LIBRARY:
                                                                          EXPAND INCLUDES: N
0    PROCESSOR GROUP: *NOPROC*       DESCRIPTION: NO PROCESSOR REQUIRED                                NEXT PROCESS GROUP: *NOPROC*
                                     PROCESSOR OUTPUT TYPE: ASMMAC  *NOPROC*
           PROCESSOR ON MOVE: M      PROCESSOR ON TRANSFER: G
           PROCESSOR: *NOPROC*       TYPE: DEL    FOREGROUND: Y
           PROCESSOR: *NOPROC*       TYPE: GEN    FOREGROUND: Y
           PROCESSOR: *NOPROC*       TYPE: MOVE   FOREGROUND: Y
```

CONRPT07 Report Column Headings

This section describes the column headings that appear on the CONRPT07 System Definition report.

Environment

Contains the name of the environment within which the system is defined.

Title

Contains a descriptive title for the system.

Relative Environment Number

Contains the relative environment based on the environment selection criteria.

Stage Name

Contains the name of the stage in the specified environment.

ID

Contains the ID of the stage in the specified environment.

Title

Stage name title.

Master Control File

Contains the data set name of the Master Control File (MCF) for this stage.

Entry Stage

Indicates if the stage is an entry stage.

- **Y**—Indicates that the stage is an entry stage.
- **N**—Indicates that the stage is not an entry stage.

Relative Stage No.

Contains the relative stage in the environment map.

Next Environ

Contains the subsequent environment in the environment map.

Next Stage

Contains the subsequent stage name in the environment map.

System Name

Contains the name of the system for which the definition information is shown.

Description

Provides the descriptive information about the system.

Next System

Contains the subsequent system in the environment map.

Comment Req

Indicates whether there must be a comment for actions against this system. Valid entries are as follows:

- **Y**—Indicates that each action must have a comment.
- **N**—Indicates that comments are not required for actions.

Default: N

CCID Req

Indicates whether a CCID is required for actions against this system. Valid entries are as follows:

- **Y**—Indicates that each action must have a CCID.
- **N**—Indicates that a CCID is not required for actions.

Default: N

Jump Req

Indicates whether users must specify ACKNOWLEDGE ELM JUMP=Y when moving elements. Valid entries are as follows:

- **Y**—Indicates that users must specify ACKNOWLEDGE ELM JUMP=Y.
- **N**—Indicates that users need not specify ACKNOWLEDGE ELM JUMP=Y.

Default: N

Activate Signin/Signout

Indicates whether the sign in or sign out facility is in use for this system.

- **Y**—Indicates that the sign in or sign out facility is in use.
- **N**—Indicates that the sign in or sign out facility is not in use.

Validate Req

Indicates whether the data set validation facility is in use for this system.

- **Y**—Indicates that the data set validation facility is in use.
- **N**—Indicates that the data set validation facility is not in use.

Last Backup Date

Contains the date of most recent unload of this system in the format *ddMMMyy*.

Backup Time

Contains the time the system definition was last updated (*hh:mm*).

Stage Name

Contains the name of the current stage.

Processor Load Library

Contains an OUTPUT library for elements with a type of PROCESS defined to the current SYSTEM. This library is also searched for processors for use by this System.

Note: The search order is Stage 1 first, followed by Stage 2 for this Environment and System combination.

Processor List Library

Contains the name of the listing library for elements of type PROCESS defined to the current system.

Subsystem

Contains the subsystem name defined for the system.

Title

Provides the descriptive information about the subsystem defined for the system.

Next SBS

Contains the subsequent subsystem defined in the environment map.

Exclude Dup Proc O/P Chk

Indicates whether the Subsystem is excluded from the duplicate processor output Type check.

Y—Indicates that the Subsystem is excluded from the duplicate processor output Type check.

N—Indicates that the Subsystem is included in the duplicate processor output Type check.

Type

Provides the information about each element type defined to the system.

Description

Provides the description of the type defined to the system.

Next Type

Contains the subsequent type defined in the environment map.

Element Delta Format

Indicates the delta storage format for elements of this type.

- REV—Reverse delta format.
- FWD—Forward delta format.
- IMG—Full Image delta format.
- LOG—Log delta format.

Default: REV

Default PROC Group

Identifies the default processor group for this type.

DATA FORMAT

Contains the format of this type of data. B-Binary, T-TEXT, or blank-not specified.

FILE EXT

Contains the file extension associated with this type of data. Valid values for this 8-character field are as follows: a-z, A-Z, 0-9, or blanks.

Note: Trailing blanks are allowed, but embedded blanks are not.

HFS RECFM

Indicates the record delimiter used in a HFS file. A record delimiter is necessary due to the nature of HFS files. HFS files contain one large data stream; therefore, a delimiter is used to identify individual records within that data stream. If a delimiter is not specified, the system defaults to NL.

Acceptable delimiter values are as follows:

- **COMP**—Variable length records compressed by CA Endevor SCM.
- **CR**—Carriage return. ASCII and EBCDIC value CR. The hex value is '0D'.
- **CRLF**—EBCDIC Carriage return or line feed. The hex value is '0D25'.
- **F**—Fixed Length
- **LF**—EBCDIC line feed. The hex value is '25'.
- **NL**—Default. EBCDIC new line character. This is the delimiter is used by the OEDIT and OBROWSE editor.
- **V**—Variable. The first two bytes of the record contain the RDW (record descriptor word). The RDW contains the length of the entire record, including the RDW.

Lang

Defines the source language for the type.

PV/LB Lang

Applicable to sites using an CA Panvalet or CA Librarian library to store elements. 1- to 8- character CA Panvalet or CA Librarian source language for the type.

Valid entries for CA Panvalet are as follows:

- ANSCOBOL COBOL JCL USER780
- ALC COBOL-72 PL1
- AUTOCODE DATA RPG
- BAL FORTRAN USER180

Valid entries for CA Librarian are as follows:

- ASM FRG FCL TXT
- COB FRH PLF VSB
- DAT GIS PLI
- FOR GOF RPG

Regression Pct

Indicates the regression percent for elements of this type.

Regression Severity

Indicates the severity of the error message issued when CA Endevor SCM detects regression. Valid entries are as follows:

- **I**—Informational message.
- **W**—Warning message.
- **C**—Critical message.
- **F**—Fatal message.

Source Length

Contains the logical record length in source statements. The maximum allowable value is 32,000.

ELE RECFM

Specifies whether the element has fixed length records or variable length records. This parameter is used by the CA Endevor Quick Edit option only. Valid values follow:

- **F**— Fixed. Allocates the temporary Quick Edit ISPF edit data set as fixed.
- **V**— Variable. Allocates the temporary Quick Edit ISPF edit data set as variable.
- **N**— Not defined. Allocates the temporary Quick Edit ISPF edit data set based on input record length. Default.

Compare From

Indicates the position within each statement at which CA Endevor SCM begins comparing to identify changed statements.

Compare To

Indicates the position within each statement at which CA Endevor SCM stops comparing to identify changed statements.

Compress Base

Indicates whether the system encrypts and compresses the base form of elements stored in reverse delta format. Valid entries are as follows:

- **YES**—Indicates that encryption and compression is enabled.
- **NO**—Indicates that encryption and compression is not in effect.

Default: NO

Auto Consol

Indicates whether CA Endevor SCM consolidates change levels automatically. Valid entries are as follows:

- **YES**—Indicates that CA Endevor SCM consolidates automatically.
- **NO**—Indicates that CA Endevor SCM does not consolidate automatically.

Default: NO

Consol at Level

Indicates the level number at which CA Endevor SCM consolidates deltas.

Levels to Consol

Indicates the number of deltas to consolidate when the number of levels reaches the figure in the CONSOL AT LEVEL field.

Last Updated By

Contains the ID of user responsible for last updating the definition of the system.

Last Update Date

Contains the date the system definition was last updated (*ddMMMyy*).

Last Update Time

Contains the time the system definition was last updated (*hh:mm*).

DUP ELM NAME CHK (duplicate element name check)

ACTIVE

Indicates whether the duplicate element name registration check feature is activated. If enabled, element names are checked for duplications across other systems and subsystems.

- **Y**—Indicates that the duplicate element name registration check is enabled.
- **N**—Indicates that the duplicate element name registration check is disabled.

MSGSEV

Indicates the severity level for the duplicate element name registration.

If the duplicate element name severity level value check box is enabled, this value indicates its error message severity level.

- W—Warning
- C—Caution
- E—Error

DUPPROC O/P TYPE CHK (duplicate processor output Type check)

Active

Indicates whether the processor output registration check feature is activated. If enabled, the element name is checked across types and processor groups for the same processor output type.

- **Y**—Indicates that the processor output registration check feature is enabled.
- **N**—Indicates that the processor output registration check feature is disabled.

Note: Checking the duplicate proc o/p type box activates the duplicate proc o/p type box severity level field.

ACROSS SBS

Indicates whether the processor output registration check feature is applies at the Subsystem level.

- **Y**—Indicates that the processor output registration check feature is enabled at the Subsystem level.
- **N**—Indicates that the processor output registration check feature is disabled at the Subsystem level.

MSGSEV

Indicates the error message severity level for the duplicate proc o/p type field. This field is enabled only if the duplicate proc o/p type box is checked.

- W—Warning
- C—Caution
- E—Error

AUTO AGE LVL RETENTION (Element Auto Age Level Retention)

ELM

Indicates whether the Age Level Retention is active. Possible values are as follows:

- **Y**—Indicates that the Age Level Retention is active. If Y, levels will be retained base on the number of months value. See the Element Auto Age Level Retention for #Months field.
- **N**—Indicates that the Age Level Retention is inactive.
- **#MTHS**—Indicates the number of months a delta level will be kept before it is integrated into the base element.

CMP

Indicates whether the Age Level Retention is active. Possible values are as follows:

- **Y**—Indicates that the Age Level Retention is active. If Y, levels will be retained base on the number of months value. See the Component Auto Age Level Retention for #Months field.
- **N**—Indicates that the Age Level Retention is inactive.
- **#MTHS**—Indicates the number of months a delta level will be kept before it is integrated into the base element.

Component Fwd/Rev Delta

Indicates the delta storage format for elements of this type.

- REV—Reverse delta format.
- FWD—Forward delta format.

Default: REV

Auto Consol (component)

Indicates whether Endevor consolidates change levels automatically. Valid entries are as follows:

- **YES**—Consolidates automatically.
- **NO**—Default. Does not consolidate automatically.

Consol at Level (component)

Specifies the level number at which Endevor consolidates deltas.

Levels to Consol (component)

Indicates the number of deltas to consolidate when the number of levels reaches the figure in the CONSOL AT LEVEL field.

Base Library

Contains the name of the base library for the type.

Delta Library

Contains the name of the delta library for the type.

Include Library

Contains the name of the PDS, CA Panvalet, or CA Librarian INCLUDE library for the type.

Source Output Library

Contains the data set name of the source output library.

Expand INCLUDEs

Indicates whether INCLUDE statements are expanded when the element is written to the source output library. Valid entries are as follows:

- **Y**—Expand INCLUDE statements.
- **N**—Do not expand INCLUDE statements.

Processor Group

Contains the name of the processor group.

Processor Group Output Type

Specifies the output type for the processor. The processor "output type" works in conjunction with element registration to enable duplicate element names across systems, subsystems, or element types. This feature prevents like-named modules from overlaying each other in output libraries because the addition of the output type makes each like-named element unique.

Description

Contains the description of the processor group.

Next Process Group

Contains the name of the processor group at the next map location.

Processor on Move

Indicates which processor to use for the MOVE action. Valid entries are as follows:

- **M**—Move processor.
- **G**—Generate processor.

Processor on Transfer

Indicates which processor to use for the TRANSFER action. Valid entries are as follows:

- **M**—Move processor.
- **G**—Generate processor.

Processor

Contains the name of the processor.

Type

Indicates the type of processor. Valid entries are as follows:

- **DEL**—Delete processor.
- **GEN**—Generate processor.
- **MOVE**—Move processor.

Foreground

Indicates whether the delete, generate, or move processors can be executed in foreground. Valid entries are as follows:

- **Y**—The processor can be executed in the foreground.
- **N**—The processor cannot be executed in the foreground.

CONRPT08: Element Signed Out Profile (System)

For each system requested, this report lists those elements that are currently signed out. This report is useful in locating elements that are currently under development.

If you direct CA Endevor SCM to search the environment map to create CONRPT08, information is organized differently than a search that is confined to a single environment. When CA Endevor SCM searches the environment map, the sort sequence is organized according to subsystem, type and relative stage number. Each entry shows source, environment, system, subsystem, stage, and type values.

CONRPT08 Report Column Headings

This section describes the column headings that appear on the CONRPT08 Element Signed Out Profile Report by System.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

Element

Specifies the name of an element defined within the system, subsystem, element type, and stage shown to the left, and for which detailed information is shown to the right.

VVLL

Indicates the version and level of the element.

Signed Out to User

Contains the ID of user to which the element is signed out.

Date Signed Out

Contains the date the element was signed out to this user (*ddMMMyy*).

CCID

Contains the current source CCID for the element.

Last Action

Contains the last action performed against the element.

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

CONRPT09: Element Signed Out Profile (User)

This report lists the elements signed out to each individual user. The report sorts first by user ID (SIGNED OUT TO USER field), and is useful in locating elements that are under development by a particular user.

If you direct CA Endevor SCM to search the environment map to create CONRPT09, information is organized differently than a search that is confined to a single environment. When CA Endevor SCM searches the environment map, the sort sequence is organized according to subsystem, type and relative stage number. Each entry shows source, environment, system, subsystem, stage, and type values.

CONRPT09 Report Column Headings

This section describes the column headings that appear on the CONRPT09 Element Signed Out Profile Report by User.

Signed Out to User

Contains the ID of user under which the element is signed out.

Date Signed Out

Contains the date the element was signed out to this user (*ddMMMyy*).

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Element

Specifies the name of an element defined within the system, subsystem, element type, and stage shown to the left, and for which detailed information is shown to the right.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

VVLL

Indicates the version and level of the element.

CCID

Indicates that the CCID reported is based upon the sign-out ID of the element as follows:

- If the retrieve user ID equals the sign-out ID, retrieve date and CCID appear on the report.
- If last level user ID equals the sign-out ID, last level date and CCID appear on the report.
- If last action user ID equals the sign-out ID or the last action user ID equals the sign-in ID, last action date and CCID appear on the report.
- Or else the base date and last level CCID appear on the report.

Last Action

Contains the last action performed against the element.

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

CONRPT10: Approver Group Definition

The Approver Group Definition report lists, by approver group, selected information pertaining to each approver group defined in CA Endevor SCM. Approver group definition is explained completely in the *Packages Guide*.

CONRPT10 Report Column Headings

This section describes the column headings that appear on the CONRPT10 Approver Group Definition report.

Environment

Contains the name of the environment in which the approver group is defined.

Group

Contains the name of the approver group.

Title

Contains a descriptive title for the approver group, up to 50 characters in length.

Quorum

Indicates the quorum size for this approver group; that is, the minimum number of people required to approve the package in order for the package to be executed.

Last Updated By

Indicates when the approver group definition was last updated, listing user (BY:), date (ON:), and time (AT:).

User IDs

Contains the user IDs of the approvers for the inventory areas specified (see the next report field described).

Where Used

Contains the inventory areas to which the approver group is related. These areas are identified by stage, system, subsystem, and/or type, all within the environment listed at the top of the report.

CONRPT11: Approver Group Usage

The Approver Group Usage report lists all inventory areas, within a specified environment, for which approval is required. The approver groups related to each inventory area are shown to the right of the inventory area identification.

CONRPT11 Report Column Headings

This section describes the column headings that appear on the CONRPT11 Approver Group Usage report.

Environment

Contains the name of the environment in which the inventory areas are defined.

Stage/System/ Subsystem/Type

Contains the inventory areas for which approval is required.

Approver Groups

Specifies the approver groups related to each inventory area. More than one approver group can be associated with a particular inventory area. The approver group type appears in parentheses to the left of the approver group name. This report identifies the following approver groups:

- **ST**—Indicates that the approver group type is standard.
- **EM**—Indicates that the approver group type is emergency.

Note: For more information about standard and emergency approver groups, see the *Packages Guide*.

CONRPT12: Element Catalog by Retrieve CCID

This report provides element information by retrieve CCID. It lets you see quickly what elements have been retrieved, by whom, and when. For each retrieve CCID, it describes those elements for which this is the last-specified CCID stored in the Master Control File.

If you direct CA Endevor SCM to search the environment map to create CONRPT01, information is organized differently than a search that is confined to a single environment. When CA Endevor SCM searches the environment map, the sort sequence is organized according to subsystem, type and relative stage number. Each entry shows source, environment, system, subsystem, stage, and type values.

Note: See the *Administrator Guide* for more information on CCIDs.

CONRPT12 Report Column Headings

This section describes the column headings that appear on the CONRPT12 Element Catalog by Retrieve CCID report.

CCID

Change Control ID for which information is shown to the right.

Element

Contains the name of an element for which this is the last-specified CCID.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

VVLL

Indicates the version and level of the element.

Base Date

Contains the base date for the element (*ddMMMyy*).

Base User ID

Contains the base user ID for the element.

Current Date

Contains the date for the current level of the element (*ddMMMyy*).

Current User ID

Contains the user ID for the current level of the element.

Last Gen Date

Contains the date of the previous run of generate processor for the element (*ddMMMyy*).

Last Gen User ID

Contains the user ID for the previous run of generate processor for this element.

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

Chapter 4: Historical (SMF) Reports

This section contains the following topics:

Historical Reports Discussed in this Chapter

The following Historical reports are described in this chapter:

- CONRPT40: Security Violation Profile
- CONRPT41: Security Violation Summary
- CONRPT42: Element Activity Profile
- CONRPT43: Element Activity Summary

The Historical (SMF) reports summarize security violations and element activity recorded by CA Endevor SCM. These reports are available if SMF logging is in use at your site. The logging and reporting of SMF records provides a complete change history for all elements.

Data Extract Facility for Historical SMF Information

CA Endevor SCM allows you to extract data without producing a report. The report processing utility C1BR1000 reads SCL from BSTINP and extracts data to a flat file. If you specify the EXTRACT SCL statement and provide an EXTRACT DD statement, the extracted data is written to that file. We recommend a LRECL of 4092 and a RECFM of VB. The REPORT SCL statement determines if a formatted report is written to the BSTRPTS DD statement. For package data, the extracted data is mapped by the C1BRXPAK. For the SMF data, the EXTRACT SCL and EXTRACT DD statement are supported, but CA Endevor SCM does not provide a layout (DSECT) similar to C1BRXPAK to map the data. You can use the data in the extract file to create custom reports. When you request EXTRACT, CA Endevor SCM does not print an extract summary report.

To extract data, submit an EXTRACT request and code a EXTRACT DD statement to specify the data set where the extracted data will be written. To extract data only, do not submit a REPORT request. Specify an extract number that matches the report number for the type of information you want to extract. Data can be extracted for any of the SMF reports. You can specify multiple report numbers on an Extract statement. For example:

- To generate a CONRPT40: Security Violation Profile report, code the following:

  ```
  REPORT  40.
  ```

- To extract report data for a CONRPT40: Security Violation Profile report and a CONRPT42: Element Activity Profile report, but not generate a report, instead of a Report statement, code the following:

  ```
  EXTRACT  40 42.
  ```

CONRPT40: Security Violation Profile

For each system requested, this report gives a detailed account of each security violation that occurred. Specifically, this report lists each attempt—by any user—to perform an unauthorized action.

CONRPT40 Report Column Headings

This section describes the column headings that appear on the CONRPT40 Security Violation Profile report.

Environ

Contains the name of the environment against which the violation occurred.

System

Contains the name of the system against which the violation occurred.

Subsys

Contains the name of the subsystem against which the violation occurred.

Type

Contains the type against which the violation occurred.

STG

Specifies the name of the stage for which information is shown to the right.

Date Time

Contains the date and time of the violation (*ddMMMyy:hh:mm*).

Action

Contains the type of action that was requested (but not authorized for use) by the user identified by the USER ID field.

USERID

Contains the user ID associated with the action.

Element

Contains the name of the element for which the action was requested. If the element name is longer than 10 characters, the name value can wrap onto the next lines until the element name is fully printed. Also, a long element name forces the values for the columns that follow the Element column to print on the next new line.

CONRPT41: Security Violation Summary

For each system requested, this report summarizes the security violations that occurred and provides a total count for each CA Endevor SCM action that logged a violation.

CONRPT41 Report Column Headings

This section describes the column headings that appear on the CONRPT41 Security Violation Summary report.

Environ

Contains the name of the environment against which the violation(s) occurred.

System

Contains the name of the system against which the violation(s) occurred.

Subsys

Contains the name of the subsystem against which the violation(s) occurred.

Type

Contains the type against which the violation(s) occurred.

STG

Contains the stage in which the element type resides.

Action

Indicates the number of times the action named (DISPLAY, MOVE, and so forth) was requested by an unauthorized user.

This heading appears once for each type of action requested by an unauthorized user.

CONRPT42: Element Activity Profile

This report details each action performed against the elements within a particular system, subsystem, element type, and stage. Using this report, for example, you can determine exactly which elements were moved from Stage 1 to Stage 2, or which elements were retrieved.

CONRPT42 Report Column Headings

This section describes the column headings that appear on the CONRPT42 Element Activity Profile report.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

STG

Contains the name of the stage for which information is shown to the right.

Action

Contains the name of the action.

If this is an Alter action, additional fields are shown depending on which of the following Replace clauses were specified on the Alter action:

- Replace Generate CCID, Replace Last Action CCID, Replace Description, Replace Processor Group, Replace Retrieve CCID, and Replace Signout UserID— Similar before, after, and mask fields are shown for these Replace clauses. For example, the following fields are shown for the Replace Generate CCID clause:

  GEN CCID – BEFORE: Indicates the Master Control File Generate CCID value before the value was altered.

  GEN CCID – AFTER: Indicates the Master Control File Generate CCID value after the Alter Replace action was performed. On this line to the far right, the text "Updated" or "Not Updated" indicates whether the Alter action updated this Master Control File field.

  GEN CCID – MASK: Indicates the Alter mask value that was used on the Alter action.

- Replace User Data— The following fields are shown:

  FROM START POS: Indicates the starting position within the Master Control File's User Data field to examine against the mask.

  FROM TEXT LEN: Indicates the length of the mask value.

  TO START POS: Indicates the start replacement location within the MCF User Data field.

  TO TEXT LEN: Indicates the length of the replacement.

  TO VALUE LEN: Indicates the length of the replacement text value.

  TO PAD CHAR: Indicates the pad character used when the TEXT LEN is greater than the TO VALUE LEN.

  BEFORE: Indicates the User Data value before the Alter action replacement.

  AFTER: Indicates the User Data value after the Alter replace action is performed. On this line to the far right, the text "Updated" or "Not Updated" indicates whether the Alter action updated this Master Control File field.

  MASK: Indicates the Alter mask value used on the alter action.

Element

Contains the name of the element for which the action was requested. If the element name is longer than 10 characters, the name value can wrap onto the next lines until the element name is fully printed. Also, a long element name forces the values for the columns that follow the Element column to print on the next new line.

USERID

Contains the user ID associated with the action described to the right.

CCID

Contains the Change Control ID, if any, associated with the action described to the right.

Date Time

Contains the date and time the action was performed (*ddMMMyy:hh:mm*).

VVLL

Indicates the version and level of the element.

NDVR-RC

Provides the CA Endevor SCM return code for the action.

PROC-RC

Provides the Processor return code for the element, as of this action. This field is blank if the element had not been processed as of the time the action was requested.

If the element has been restored (or transferred to Endevor from an archive data set), but has not been processed subsequently, this is the processor return code stored for the element in the archive data set.

CONRPT43: Element Activity Summary

This report summarizes the actions performed against the elements within a particular system, subsystem, element type, and stage, and provides totals for each action. Using this report, for example, you can see how many elements were moved or how many elements were retrieved.

CONRPT43 Report Column Headings

This section describes the column headings that appear on the CONRPT43 Element Activity Summary report.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

STG

Specifies the name of the stage for which information is shown to the right.

Action

Contains the number of times the action named (RETRIEVE, MOVE, and so forth) was processed. This heading appears once for each type of action processed.

Chapter 5: Package Reports

This section contains the following topics:

Package Reports Discussed in this Chapter

The following Package reports are described in detail in this chapter:

- Data Extraction Facility
- Specifying Package Reports
- CONRPT70: Package Summary Report
- CONRPT71: Package Approver Report
- CONRPT72: Package Detail Report

Package reports allow you to review package processing activity in both detail and summary formats. Package reports and Footprint reports are mutually exclusive. If you need both types of reports, you must submit two separate jobs or two separate jobsteps within the same job.

Data Extraction Facility for Packages

CA Endevor SCM allows you to extract data from a package library without producing package reports. You must submit an EXTRACT request (defined in the following sections), and the data to be extracted must be written to a data set identified in an EXTRACT DD statement. We recommend that this data set have an LRECL of 4096 and a RECFM of VB. A record layout is provided for the data in this file; the layout is in the form of an assembler macro. This macro has a member name of **C1BRXPAK** in the iprfx.iqual.CSIQOPTN library.

The data in this extract file is available to you to create custom reports. To extract data only, do not submit a REPORT request. When you request EXTRACT, CA Endevor SCM does not print an extract summary report.

Syntax for Package Reports

The syntax for specifying Package Library reports is as follows:

EXTract *extract-numbers*.

REPort *report numbers*.

ENVironment *environment-name*.

PACkage *package-name*.

PROMotion HIStory.

APProver *approver-id*.

GRoup *approval-group-id*.

STATus *status-indicator*.

DEStination *destination-id*.

WINdow after ... *date* ...BEFORE ... *date* ... .

CREated after ... *date* ...BEFORE ... *date* ... .

EXEcuted after ... *date* ...BEFORE ... *date* ... .

CASt after ... *date* ...BEFORE ... *date* ... .

BAcked out after ... *date* ...BEFORE ... *date* ... .

SHIpped after ... *date* ...BEFORE ... *date* ... .

Note: All statements are optional, and default to ALL.

EXTract extract-numbers

If you want to extract report data but not generate any reports, include an EXTRACT statement and omit the REPORT statement from the specification. Acceptable extract numbers for the extract statement are 70, 71, and 72. The record layout of the extract file is defined by an assembler macro, which is the member **C1BRXPAK** in the iprfx.iqual.CSIQOPTN library.

REPort report-numbers

Acceptable report numbers for the REPORT statement are 70, 71, or 72.

PACkage package-name

Specifies a package name value. Name masking is valid. All packages IDs that match the mask are processed.

PROMotion HIStory

All historic versions of promotion packages are extracted along with the current version.

APProver approver-id

You may specify one approver ID or mask.

GRoup approval-group-id

You may specify one approval group ID or mask.

STATus status-indicator

You may specify one or more of the following status indicators:

- ABorted
- APPROVED
- BACKEDOUT
- COmmitted
- DEnied
- EXECUTED
- IN-APPROVAL
- IN-EDIT
- IN-EXEcution

DEStination destination-id

You may specify a destination ID or mask.

WINdow after ... date ... BEFORE ... date ...

Specifies the execution window defined for the package. You can specify the dates in mm/dd/yy or ddmmmyy format.

CREated after ... date ... BEFORE ... date ...

Specifies the date range when the package was created. You can specify the dates in mm/dd/yy or ddmmmyy format.

EXEcuted after ... date ... BEFORE ... date ...

Specifies the date range when the package was executed. You can specify the dates in mm/dd/yy or ddmmmyy format.

BAcked out after ... date ... BEFORE ... date ...

Specifies the date range when the package was backed out. You can specify the dates in mm/dd/yy or ddmmmyy format. To use this option, the status indicator BACKEDOUT (BA) must be coded.

SHIpped after ... date ... BEFORE ... date ...

Specifies the date range when the package was shipped for reports 74, 75, and 76. You can specify the dates in mm/dd/yy or ddmmmyy format.

Selection Dates and the Status Statement

Only certain selection date ranges apply to each package status. The following list shows each package status and the date ranges that apply to that status.

Aborted

CREATED; WINDOW; CAST; EXECUTED; BACKED OUT

Approved

CREATED; WINDOW; BACKED OUT

Committed

CREATED; WINDOW; CAST; EXECUTED; BACKED OUT

Denied

CREATED; WINDOW; CAST

Executed

CREATED; WINDOW; CAST; EXECUTED; BACKED OUT

In-approval

CREATED; WINDOW; CAST

In-edit

CREATED

Example: Package Report Selection Dates and Status

This example shows how package status and selection date ranges can exclude a package from a report. This example assumes the following report syntax and the existence of two packages that have the status, create and cast dates as shown.The resulting report would contain only PACKAGEB, because the PACKAGEA CAST date is outside of the specified time range.

```
REPORT 70 .
ENVIRONMENT * .
PROMOTION HISTORY .
STATUS IN-ED IN-AP .
CREATE AFTER 06/01/13 .
CAST AFTER 07/01/13 .
```

	Status	Created	Cast
PACKAGEA	In-approval	6/25/2013	6/26/2013
PACKAGEB	In-approval	6/25/2013	7/15/2013

CONRPT70: Package Summary Report

The Package Summary report provides a one line summary of all packages defined within the inventory area specified in the input parameters.

CONRPT70 Report Column Headings

This section describes the fields that appear on CONRPT70 Package Summary report.

Package name

Contains the name of the package as defined during package processing.

PRO VER

Identifies the sequence (version) of the promotion package. This number matches the number shown in the promotion package header. Valid values are as follows:

- 0—Indicates that this is not a promotion package.
- 001—Indicates that this is the current promotion package.
- 00n—Indicates that this is the current version minus n. For example, 002 indicates that this is the current version minus one

Status

Specifies the current status of the package. Values for the status can be one of the following:

ABORTED

Indicates that the package failed to execute.

APPROVED

Indicates that the package is approved by all approvers.

COMMITTED

Indicates that the package is committed.

DENIED

Indicates that the package is denied approval.

EXECUTED

Indicates that the package executed successfully.

IN-APPROVAL

Indicates that the package is not approved or denied.

IN-EDIT

Indicates that the package is created, but not cast.

INVALID

Indicates that the package is considered invalid (there were discrepancies within the package when it was reviewed prior to execution). This problem is commonly caused by manually editing the package before submitting it for execution. The actual reason for the invalid status is shown in an error message at the top of the BSTRPTS output data set.

Type

Indicates the Package type. Possible values are as follows:

- **ST**— Standard.
- **EM**— Emergency. The quorum size (minimum number of approvers required in order for the package to be executed) also appears in this field.

Backout

Indicates whether Backout is enabled. Possible values are as follows:

blank

Indicates that backout is not enabled for this package.

ENABLED

Indicates that backout is enabled and the package (when executed) did not do anything that required backout members to be created.

EXIST

Indicates that backout is enabled but the package has never been backed out; or, if it was, it has been backed in.

BACKED-OUT

Indicates that backout is enabled and the package is in backed-out status.

ELMBACKOUT

Indicates that backout is enabled and the package is in element backout status.

Last Updated

Contains the date of last package update (*ddmmmyy*).

Update User ID

Contains the ID of user responsible for last package update.

Cast Date

Contains the date when package was cast (*ddmmmyy*).

Cast User

Contains the ID of user who cast the package.

App/Den Date

Contains the date when package was approved (APP) or denied (DEN).

Execute Date

Contains the date when the package was executed.

Window_Start Date Time

Indicates the initial date and time at which the package may be executed.

Window_End Date Time

Indicates the final date and time at which the package may be executed.

CONRPT71: Package Approver Report

The Package Approver report prints information about the approval status for each package within a specific Package library. There are two entries for each package:

- Summary information for the package
- Approver information for the package

Approver information is reported for standard, emergency, and dynamic approver groups.

CONRPT71 Report Column Headings

This section describes the column heads that appear on the CONRPT71 Package Approver report.

Package name

Contains the name of the package as defined during package processing.

PRO VER

Identifies the sequence (version) of the promotion package. This number matches the number shown in the promotion package header. Valid values are as follows:

- 0—Indicates that this is not a promotion package.
- 001—Indicates that this is the current promotion package.
- 00n—Indicates that this is the current version minus n. For example, 002 indicates that this is the current version minus one

Status

Specifies the current status of the package. Values for the status can be one of the following:

ABORTED

Indicates that the package failed to execute.

APPROVED

Indicates that the package is approved by all approvers.

COMMITTED

Indicates that the package is committed.

DENIED

Indicates that the package is denied approval.

EXECUTED

Indicates that the package executed successfully.

IN-APPROVAL

Indicates that the package is not approved or denied.

IN-EDIT

Indicates that the package is created, but not cast.

INVALID

Indicates that the package is considered invalid (there were discrepancies within the package when it was reviewed prior to execution). This problem is commonly caused by manually editing the package before submitting it for execution. The actual reason for the invalid status is shown in an error message at the top of the BSTRPTS output data set.

Type

Indicates the Package type. Possible values are as follows:

- **ST**—Standard
- **EM**—Emergency

Backout

Indicates whether Backout is enabled. Possible values are as follows:

blank

Indicates that backout is not enabled for this package.

ENABLED

Indicates that backout is enabled and the package (when executed) did not do anything that required backout members to be created.

EXIST

Indicates that backout is enabled but the package has never been backed out; or, if it was, it has been backed in.

BACKED-OUT

Indicates that backout is enabled and the package is in backed-out status.

ELMBACKOUT

Indicates that backout is enabled and the package is in element backout status.

Last Updated

Indicates the date of last package update (*ddmmmyy*).

Update User ID

Contains the user ID of the user responsible for last package update.

Cast Date

Indicates the date when package was cast (*ddmmmyy*).

Cast User

Contains the user ID of the user who cast the package.

App/Den Date

Contains the date when package was approved (APP) or denied (DEN).

Execute Date

Contains the date when the package was executed.

Window_Start Date Time

Indicates the initial date and time at which the package may be executed.

Window_End Date Time

Indicates the final date and time at which the package may be executed.

Group Name

Contains the name of the group. The name DYNAMIC APPROVER appears if a dynamic approver group was created for this package.

Quorum

Indicates the number of approvals required to approve this package.

Status

Indicates the current status of the approver group. Possible values are as follows:

PENDING

Indicates that the package is not approved.

APPROVED

Indicates that the package is approved by all approvers.

DENIED

Indicates that the package is denied approval.

The following fields are related fields that occur four times in the approver section of this report.

Approver

Contains the ID of one of the package approvers.

REQ or REQ'D

Indicates that the approver is required to sign off on the package.

Action

Displays the action taken by that approver appears in the ACTION field next to the approver's ID.

CONRPT72: Package Detail Report

The Package Detail report prints detail information for each package within a specific package library. There are six entries for each package:

- Summary information
- User Notes section
- Approver section
- SCL section
- Action summary
- Cast section

User Notes Section of CONRPT72

The User Notes section displays text that is associated with a package. You can enter notes on any of the following panels: Create/Modify Package, Cast Package, Review Package, Approve Package, or Deny Package.

There is one report line for each user-provided note line. If the package does not contain any remark text, the following message is printed:

```
THERE ARE NO USER NOTES ASSOCIATED WITH THE PACKAGE
```

Approver Section of CONRPT72

The Approver section of CONRPT72 provides information on the approver group that is associated with a package. Approver information is reported for standard, emergency, and dynamic approver groups.

The SCL section of this report lists the package SCL statements, as coded by the user.

Action Summary of CONRPT72

The Action Summary section of this report contains source and target information for all actions in the package. The source statements contain the number of the action, the name of the action, and information about the action, including CCID and comments. Target statements are optional and contain action information only.

There are two basic formats for the action information:

- External data set format: This includes the external data set name and, in some instances, the data set member return code and/or a comment.
- CA Endevor SCM format: This includes environment and one or more of the following: system, subsystem, type, element, level, stage, return code, and comment.

Cast Summary of CONRPT72

The cast summary section of this report contains the results of the parse of the CAST statement SCL, and the messages produced by the execution of the CAST statement. The Cast Section contains the original Cast report, so the header information such as date and time, may be different from the date and time for CONRPT72.

CONRPT72: Package Detail Report

This section shows a sample CONRPT72 Package Detail report. In this example, the package contains two elements. One element produces DSN and USS outputs and the other only produces USS outputs. The package was executed and the second element with three USS outputs was backed out using the Element Action Backout command. Then the report was run.

```
1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                                    12/05/11  11:57:15     PAGE     3
 -- EZBUILDER 15353787 SCENARIO TEST --                CA Endevor SCM                                      VERSION 15.0  SERIAL B1500C
                                                 CONRPT72: PACKAGE DETAIL REPORT

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  USS TEST PACKAGE     EXECUTED      ST  ELMBACKOUT 05DEC11  USER001   05DEC11  USER001  05DEC11 05DEC11 05DEC11 00:00 31DEC79 00:00
                 CA-7 SCHEDULED JOB:                                        DEPENDENT JOB:
```

```
          ------------------------------------------------------------------------------------------------------------
                                        U S E R   N O T E S   S E C T I O N
          ------------------------------------------------------------------------------------------------------------
                          THERE ARE NO USER NOTES ASSOCIATED WITH THE PACKAGE

1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                          12/05/11  11:57:15     PAGE     4
 -- EZBUILDER 15353787 SCENARIO TEST --                CA Endevor SCM                            VERSION 15.0  SERIAL B1500C
                                          CONRPT72: PACKAGE DETAIL REPORT

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  USS TEST PACKAGE     EXECUTED      ST  ELMBACKOUT 05DEC11  USER001   05DEC11  USER001  05DEC11 05DEC11 05DEC11 00:00 31DEC79 00:00

          ------------------------------------------------------------------------------------------------------------
                                           S C L   S E C T I O N
          ------------------------------------------------------------------------------------------------------------

       1  SET STOPRC 16 .
       2  MOVE ELEMENT 'USS1'
            FROM ENVIRONMENT 'ENV1' SYSTEM 'SYS' SUBSYSTEM 'SSYS'
              TYPE 'TEXT' STAGE 1
            OPTIONS BYPASS ELEMENT DELETE
            .
       3  MOVE ELEMENT 'C1BMINIT'
            FROM ENVIRONMENT 'ENV1' SYSTEM 'SYS' SUBSYSTEM 'SSYS'
              TYPE 'ASMPGM' STAGE 1
            OPTIONS BYPASS ELEMENT DELETE
            .
1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                          12/05/11  11:57:15     PAGE     5
 -- EZBUILDER 15353787 SCENARIO TEST --                CA Endevor SCM                            VERSION 15.0  SERIAL B1500C
                                          CONRPT72: PACKAGE DETAIL REPORT

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  USS TEST PACKAGE     EXECUTED      ST  ELMBACKOUT 05DEC11  USER001   05DEC11  USER001  05DEC11 05DEC11 05DEC11 00:00 31DEC79 00:00
```

```
          ------------------------------------------------------------------------------------------------------------
                                           A C T I O N   S U M M A R Y
          ------------------------------------------------------------------------------------------------------------

     2 MOVE     ENV1     SYS      SSYS     USS1       TEXT     01.00 ENV1STG1    ENDEVOR RC = 0000
                ENV1     SYS      SSYS     USS1       TEXT           ENV1STG2  PROCESSOR RC = 0000
                CCID:               COMMENT:

     3 MOVE     ENV1     SYS      SSYS     C1BMINIT   ASMPGM   01.00 ENV1STG1    ENDEVOR RC = 0000
                ENV1     SYS      SSYS     C1BMINIT   ASMPGM         ENV1STG2  PROCESSOR RC = 0000
                CCID:               COMMENT:

1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                          12/05/11  11:57:15     PAGE     6
 -- EZBUILDER 15353787 SCENARIO TEST --                CA Endevor SCM                            VERSION 15.0  SERIAL B1500C
                                          CONRPT72: PACKAGE DETAIL REPORT


  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  USS TEST PACKAGE     EXECUTED      ST  ELMBACKOUT 05DEC11  USER001   05DEC11  USER001  05DEC11 05DEC11 05DEC11 00:00 31DEC79 00:00
```

```
          ------------------------------------------------------------------------------------------------------------
                                    E L E M E N T   B A C K O U T   S E C T I O N
          ------------------------------------------------------------------------------------------------------------

          SCL STMT #2     PATH:     /u/users/endevor/oleju40/longnameddirectory/USER001/   FILE:   ELEMENT3
          SCL STMT #2     PATH:     /u/users/endevor/oleju40/longnameddirectory/USER001/   FILE:   ELEMENT2
          SCL STMT #2     PATH:     /u/users/endevor/oleju40/longnameddirectory/USER001/   FILE:   ELEMENT1
1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                        12/05/11  11:57:15     PAGE     7
 -- EZBUILDER 15353787 SCENARIO TEST --               CA Endevor SCM                          VERSION 15.0  SERIAL B1500C
                                        CONRPT72: PACKAGE DETAIL REPORT

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE    TIME   DATE    TIME

  USS TEST PACKAGE     EXECUTED      ST  ELMBACKOUT 05DEC11  USER001   05DEC11  USER001  05DEC11 05DEC11 05DEC11 00:00 31DEC79 00:00
```

```
          ------------------------------------------------------------------------------------------------------------
                                         C A S T   S E C T I O N
          ------------------------------------------------------------------------------------------------------------

  1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                      05DEC11 11:51:02     PAGE     1
                                      E N D E V O R   P A C K A G E   C A S T   R E P O R T          VERSION 15.0 SERIAL B1500C
                                       S C L   S T A T E M E N T   S Y N T A X   P A R S E


   11:51:02  C1Y0015I  STARTING PARSE OF REQUEST CARDS
   11:51:02  C1Y0016I  REQUEST CARDS SUCCESSFULLY PARSED

   11:51:02  PKMR400I  BEGINNING ACTION VALIDATION AND SEARCH FOR APPLICABLE APPROVER GROUPS
   11:51:02  C1G0063I
   11:51:02  C1G0064I  PROCESSING STATEMENT #2
   11:51:02  C1G0063I
   11:51:02  C1G0064I  PROCESSING STATEMENT #3
   11:51:02  C1G0063I
   11:51:02  PKMR401I  ACTION VALIDATION COMPLETED WITHOUT ERRORS
   11:51:02  PKMR402I  NO APPROVER GROUP(S) FOUND APPLICABLE FOR PACKAGE
```

```
  1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                        05DEC11 11:51:02     PAGE     2
                                     E N D E V O R   P A C K A G E   C A S T   R E P O R T          VERSION 15.0 SERIAL B1500C



   11:51:02  PKMR791I  COMPONENT VALIDATION STARTED

   11:51:02  PKMR800I  PACKAGE CONTAINS COMPONENT(S) FROM EXTERNAL ENVIRONMENT(S) WHICH COULD NOT BE VALIDATED
   11:51:02  PKMR799I  COMPONENT VALIDATION COMPLETE: HIGHEST RC = 00


   11:51:02  ENMP302I  PACKAGE INSPECT:  ELEMENT AND MEMBER VALIDATION STARTED

   11:51:02  ENMP303I  ELEMENT AND MEMBER VALIDATION SUCCESSFULLY COMPLETED
1CASO157I DONT SWAP ISSUED FOR ADDRESS SPACE
 CASO000I COMPUTER ASSOCIATES INTERNATIONAL CA-SORT 7.1 0207SO71  05 DEC 2011 11.57.14
 CASO162I 24-BIT PARAMETER LIST CONTROL STATEMENTS:
 CASO000I  SORT FIELDS=(5,69,CH,A),SIZE=0000052,EQUALS                          *
 CASO000I
 CASO000I  RECORD TYPE=V,LENGTH=(2052,,,0073)                                   *
 CASO000I
 CASO000I *-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*
 CASO150I * OPTIONS SELECTED  * SIZE=MAX     , MSG=AP, LIST=YES, ABEND=NO , ALG=BIN, MVS RELEASE=7.1.2
 CASO151I * ---USER001C---        ---BC1JRPTS--- * BIAS=00150, OPT=D, SEQ=NO , SEC=025, RLS=00000, SMF=NO
 CASO152I * FLAG(I), SVC=017, MAXSZE=01048576, RESALL=00032768, SDB=NO , MAXBUFF=MAX  , SMFTYPE=016, OPMLSZE=(04,16)
 CASO153I * CAISORT=INV     , EQUALS=YES, CHECK=NO , VIO=YES, CHALT=NO , DYNALLOC=(SYSDA   ,03,01,ON ), RUF=ABEND
 CASO158I * NOSWAP=YES, MAXPFIX=000900, CACHE=YES, NOMSGDD=QUIT, COBEXIT=COB1, ABCODE=MSG, VSAMSP=00032768
 CASO160I * ARESALL=00000000, OVERRGN=00000, TMAXSZE=04194304, MINSZE=0204800, ZDPRINT=NO , EXITCK=STRG, CENTURY=1967
 CASO000I *-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-*
 CASO053I STORAGE BELOW 16M: AVAILABLE(01081348),RESERVED(00032768),USED(01048576)
 CASO053I STORAGE ABOVE 16M: AVAILABLE(03145728),RESERVED(00000000),USED(03145728)
 CASO074I HIPERSPACE: OPTIMAL(1723019264),USED(2147483648)
 CASO033W L1 OVERRIDDEN BY JCL OR DSCB/OPEN
 CASO051I SORTIN  : (LRECL=21996,BLKSIZE=22000,RECFM=VB  ,ACCMETHOD=EXCP)
 CASO051I SORTOUT : (LRECL=21996,BLKSIZE=22000,RECFM=VB  ,ACCMETHOD=EXCP)
 CASO028I L5=11034
 CASO045I MAX INCORE RECORDS=0000246
 CASO044I SORTWK: DISK BLKSIZE=56664, HIPERSPACE BLKSIZE=49152
 CASO046I APPROX. SORTWK CAPACITY=00017419
 CASO156I FILE SIZE IN USE: E-00017419
 CASO069I END PHASE 0
 CASO135I EXCPVR ACCESS METHOD USED FOR SORTIN
 CASO061I RCD IN 00000052,OUT 00000052
 CASO070I END SORT PH,BIAS=00100
 CASO122I AUTOMATIC IN-CORE SORT
 CASO073I AVERAGE RL=02056
 CASO135I EXCPVR ACCESS METHOD USED FOR SORTOUT
 CASO061I RCD IN 00000052,OUT 00000052
 CASO127I OK SWAP ISSUED FOR ADDRESS SPACE
 CASO060I CA-SORT END,RC=00
```

CONRPT72 Report Column Headings

This section describes the summary information that appears on CONRPT72 Package Detail report.

Package name

Contains the name of the package.

PRO VER

Identifies the sequence (version) of the promotion package. This number matches the number shown in the promotion package header. Valid values are as follows:

- 0—Indicates that this is not a promotion package.
- 001—Indicates that this is the current promotion package.
- 00n—Indicates that this is the current version minus n. For example, 002 indicates that this is the current version minus one

Status

Specifies the current status of the package. Values for the status can be one of the following:

ABORTED

Indicates that the package failed to execute.

APPROVED

Indicates that the package is approved by all approvers.

COMMITTED

Indicates that the package is committed.

DENIED

Indicates that the package is denied approval.

EXECUTED

Indicates that the package executed successfully.

IN-APPROVAL

Indicates that the package is not approved or denied.

IN-EDIT

Indicates that the package is created, but not cast.

INVALID

Indicates that the package is considered invalid (there were discrepancies within the package when it was reviewed prior to execution). This problem is commonly caused by manually editing the package before submitting it for execution. The actual reason for the invalid status is shown in an error message at the top of the BSTRPTS output data set.

Type

Indicates the type of the package. Possible values are as follows:

- **ST**—Standard
- **EM**—Emergency

Backout

Indicates whether Backout is enabled. Possible values are as follows:

blank

Indicates that backout is not enabled for this package.

ENABLED

Indicates that backout is enabled and the package (when executed) did not do anything that required backout members to be created.

EXIST

Indicates that backout is enabled but the package has never been backed out; or, if it was, it has been backed in.

BACKED-OUT

Indicates that backout is enabled and the package is in backed-out status.

ELMBACKOUT

Indicates that backout is enabled and the package is in element backout status.

Last Updated

Indicates the date of last package update (*ddmmmyy*).

Update User ID

Contains the user ID of the user responsible for last package update.

Cast Date

Indicates the date when package was cast (*ddmmmyy*).

Cast User

Contains the user ID of the user who cast the package.

App/Den Date

Contains the date when package was approved (APP) or denied (DEN).

Execute Date

Contains the date when the package was executed.

Window_Start Date Time

Indicates the initial date and time at which the package may be executed.

Window_End Date Time

Indicates the final date and time at which the package may be executed.

Chapter 6: Footprint Reports

This section contains the following topics:

Footprint Reports Discussed in this Chapter

The following Footprint reports are described in detail in this chapter:

- Generating Footprint Reports
- CONRPT80: Library Member Footprint Report
- CONRPT81: Library CSECT Listing
- CONRPT82: Library ZAPped CSECT Profile
- CONRPT83: Footprint Exception Report
- Report JCL

Footprint reports list the footprint information placed in source and load modules by CA Endevor SCM. They also provide a listing of those CSECTs that have been ZAPped, and document those members for which footprint and CA Endevor SCM Master Control File information is out of sync. Footprint reports and package reports are mutually exclusive. If you need both types of reports, you must submit two separate jobs or two separate jobsteps in the same job.

How to Generate Footprint Reports

The generation of Footprint reports is a two-phase process:

- The first phase extracts information for the requested members from a partitioned data set, CA Endevor SCM for CA Panvalet Interface library, or CA Endevor SCM CA Librarian Interface library, as appropriate to the report request (and defined by the BSTPDS DD statement).
  - **For non-load libraries**, the extracted information for each member is extracted separately and placed in a single record of the extract file.
  - **For load libraries**, the extracted information is written separately by CSECT to the extract file. For load libraries, this extracted information includes the footprint and, if requested, ZAP, compiler, and link-edit information.
- The second phase reads the sequential extract file and produces the reports requested.

To request the footprint reports, execute the BC1JRPTS job, after supplying appropriate selection statements for each of the two phases of processing. Use the BSTIPT DD statement to specify footprint selection criteria, and the BSTINP DD statement to specify the reports you want to produce.

To extract footprint data about specified data sets, run job BC1JFEXT to execute program BC1PFOOT. You can use BC1PFOOT by itself to extract footprint data before editing and submitting job BC1JRPTS.

Note: For more information about BC1JFEXT, see "Remote Footprint Synchronization" in t*he Footprints Gu*ide.

After running BC1JFEXT, you reference the footprint extract data set it creates in your report JCL syntax as shown in the following example.

```
//BSTINP DD *
    FOOTPRINT  DDNAME footfile.
//FOOTFILE  DD  DSN=FOOTPRNT.FILE.DSN, DISP=SHR
```

When running BC1PFOOT separately, no BSTIPT footprint selection criteria is needed when running the subsequent footprint reports. Only the FOOTPRINT DDNAME statement within the BSTINP input is required.

BC1PFOOT can be executed from a non-authorized library. Invocation in this manner does require the user to have the requisite security access to the CA Endevor SCM data sets for the function requested. The caller's security profile must have sufficient CA Top Secret, CA ACF2, or RACF, access to the CA Endevor SCM control files (catalog, master, package, base, delta), because the CA Endevor SCM alternate ID facility is not available when running in an unauthorized mode.

The BSTIPT parameters are unique to footprint reporting, and are described next.

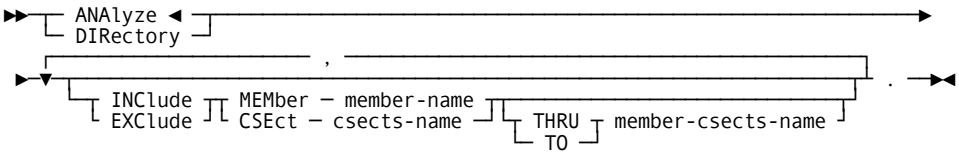
By specifying selection criteria using the BSTIPT DD statement, you can limit the amount of data included in the footprint reports.

Using selection criteria, you define the member(s) and CSECT(s) for which information should be extracted, as well as the extent of detail you want to extract for each load member. Only the information requested is available for reporting.

Apply any selection criteria specified apply across all footprint reports (80-83). For example, if you specify INCLUDE MEMBERS AR*, only the information for members beginning with AR is provided— in all requested footprint reports.

The syntax is freeform when coding the BSTIPT DD input. It can be specified across any number of cards, as long as each keyword or name is fully contained on one card.

Data Extract Syntax



Data Extract Parameters

Specifies the level of detail to extract.

ANALyze

Analyze is the default and extracts:

- For each non-load member:
  - The member name
  - Footprint information
  - The date and time the generate processor was run last
  - The CA Endevor SCM environment
- For each load member:
  - Member name
  - For each CSECT:
    - CSECT name
    - Date the load module was last link-edited
    - Date the CSECT was last compiled
    - Record of any PTFs applied to the CSECT
    - Footprint information

DIRectory

This option extracts:

- For each non-load member:
  - Member name
  - Footprint information
  - Date and time the generate processor was run last
  - The CA Endevor SCM environment
- For each load member:
  - Member name

INClude/EXClude

These parameters are used to restrict the extract to specific members and/or CSECTs. By default, all members and CSECTs in the processed library are extracted.

You can have any number of INCLUDE and/or EXCLUDE statements. The order of processing:

1. INCLUDES
2. EXCLUDES
   a. Members
   b. CSECTs

This limits the extract to those members/CSECTs specifically included, and excludes (from the included members/CSECTs) those names referenced by the EXCLUDE statements.

INClude

Extracts information for only the member(s) or CSECT(s) identified by the MEMBERS/CSECTS parameter.

EXClude

Excludes those member(s)/CSECT(s) referenced by the MEMBERS/CSECTS parameter from the extract processing.

MEMbers *member-name* or CSEcts *csect-name*

Identifies those MEMBERS or CSECTS to which the INCLUDE/EXCLUDE applies.

If your INCLUDE/EXCLUDE statements reference both members and CSECTS, MEMBERS statements are processed first, then CSECT statements.

The member-name or csect-name fields can specify:

- A full name for processing a specific member/CSECT
- A name mask to process all members/CSECTs whose names begin with the partial name specified

For example, you might specify "INCLUDE MEMBER BA*" to include all members whose names begin with the characters BA (including an exact match on that name if one exists).

If you also supply a THRU or TO name, CA Endevor SCM processes all members/CSECTs starting with the characters specified here through or to the THRU/TO name.

Using the example above, if you specify "INCLUDE MEMBER BA* THRU C", CA Endevor SCM would process all names beginning with BA through the member/CSECT named C (exact match). If the THRU MEMBER were C*, the range would extend through all members having names beginning with C.

Similarly, if you specify "INCLUDE MEMBER BA* TO C", CA Endevor SCM would process all names beginning with BA to, but not including, the name C.

MEMbers member-name

Identifies those MEMBERS to which the INCLUDE/EXCLUDE applies.

CSEcts csect-name

Identifies those MEMBERS or CSECTS to which the INCLUDE/EXCLUDE applies. The CSECTS option is only applicable for load members.

THRU/TO member-csect-name

Specifies a range of members or CSECTs for processing.

THRU *member-csect-name*

Specifies the last member or CSECT in the range of names for processing. If you include a mask character (*) at the end of the THRU member/csect-name, the range includes all names beginning with the characters specified.

TO *member/csect-name*

Identifies the member or CSECT name to which processing should go, excluding the name itself. A name mask is inappropriate (and is ignored) if used with a TO member-csect-name.

Each time you run footprint reports, CA Endevor SCM returns a report listing the selection criteria used and the number of extract records written.

Generate Footprint Syntax Examples

Generate Footprint Example 1

To extract DIRECTORY-level data for all members/CSECTs in the library:

```
DIRECTORY.
```

Generate Footprint Example 2

To extract full (ANALYSIS-level) detail for all members whose names begin with the characters C1:

```
ANALYZE INCLUDE MEMBERS C1*.
   or
ANALYZE INCLUDE MEMBERS C1* TO D.
   or
INCLUDE MEMBERS C1*.
   or
INCLUDE MEMBERS C1* TO D.
```

Generate Footprint Example 3

To extract full detail for members A11B6300, A11B6301, and A11B6302:

```
INCLUDE MEM A11B6300
INCLUDE MEM A11B6301
INCLUDE MEM A11B6302.
```

Generate Footprint Example 4

To exclude any CSECTS whose names start with ILB:

```
EXCLUDE CSECTS ILB*.
```

Generate Footprint Example 5

To request only those members whose names start with A200, while excluding from those selected members all CSECTs whose names start with ILB or $2:

```
INCLUDE MEMBERS A200*
EXCLUDE CSECTS ILB*
EXCLUDE CSECTS $2*.
```

The rest of this chapter details each of the footprint reports. Remember that where CSECT detail is included in the reports, that detail is available only if you specify ANALYZE to the Data Extract phase.

CONRPT80: Library Member Footprint Report

CONRPT80 lists the footprint information stored in the members of a load or non-load library. For a load library, the footprint information is at the CSECT level. For a non-load library, it is at the member level.

CONRPT80 Report Column Headings

This section describes the fields that appear on CONRPT80 Library Member Footprint report.

Library and Volume

Data set name for the library being processed, and the volume number of the disk pack on which the library resides.

Member

Contains the name of the (load or non-load) library member for which footprint information is shown to the right.

CSECT

Applicable for load members only. Contains the name of the CSECT for which footprint information is shown to the right. If no footprint information displays to the right, the CSECT has not been footprinted.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Element

Contains the name of the Endevor element that corresponds to this CSECT (for a load member) or ember (for a non-load member).

Type

Indicates the type of the element.

STG

Contains the ID of the stage under which the corresponding element is defined.

VVLL

Indicates the version and level of the element.

Date

Contains the generate processor date for the element (*ddMMMyy*).

Time

Contains the generate processor time for the element (*hh:mm*).

LD

Indicates how the footprint was created.

- **Y**—Indicates that the footprint is created by the load utility.
- **blank**—Indicates that the footprint created by a processor.

(no heading)

For CSECTs that are not footprinted or have PTFs applied against them:

- ***NO FOOTPRINT**—Indicates that the member or CSECT has not been footprinted.
- ***CSECT ZAPPED**—Indicates that the CSECT has at least one PTF applied.

CONRPT81: Library CSECT Listing

CONRPT81 lists the CSECTs in a particular load library, together with the corresponding member name and link-edit/compile dates. For those CSECTs that have been footprinted, CONRPT81 also includes footprint information.

CONRPT81 Report Column Headings

This section describes the fields that appear on CONRPT81 Library CSECT Listing report.

Library and Volume

Data set name for the library being processed, and the volume number of the disk pack on which the library resides.

CSECT

Contains the name of the CSECT for which information is shown to the right.

Member

Contains the name of the load member for the CSECT.

Linked

Contains the date the load module was last link-edited with this CSECT (*ddMMMyy*).

Compiled

Contains the date the load module was last compiled (*ddMMMyy*).

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Element

Contains the name of the element that corresponds to this CSECT.

Type

Indicates the type of the element.

STG

Contains the ID of the stage for the element.

VVLL

Indicates the version and level of the element.

Date

Contains the generate processor date for the element (*ddMMMyy*).

Time

Contains the generate processor time for the element (*hh:mm*).

LD

Indicates how the footprint was created.

- **Y**—Indicates that the footprint is created by the load utility.
- **blank**—Indicates that the footprint created by a processor.

CONRPT82: Library ZAPped CSECT Profile

CONRPT82 lists those CSECTs from a particular load library that have been ZAPped. For each CSECT listed, it includes footprint information similar to that in Report 81, as well as the date and IDRDATA for each PTF applied.

Note: When using this report, make sure CSECTs within the load module are footprinted.

CONRPT82 Report Column Headings

This section describes the fields that appear on CONRPT82 Library ZAPped CSECT Profile report.

Library and Volume

Contains the data set name for the library being processed, and the volume number for the disk on which the library resides.

CSECT

Contains the name of the CSECT for which information is shown to the right.

Member

Contains the name of the load member of which the CSECT is a part.

Compiled

Contains the date the load module was last compiled (*ddMMMyy*).

Linked

Contains the date the load module was last link-edited with this CSECT (*ddMMMyy*).

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Element

Contains the name of the Endevor element that corresponds to this CSECT.

Type

Indicates the type of the element.

STG

Contains the ID of the stage for the element.

VVLL

Contains the current (most recent) version or level of the element used to create this CSECT.

Date

Contains the generate processor date for the element (*ddMMMyy*).

Time

Contains the generate processor time for the element (*hh:mm*).

LD

Indicates how the footprint was created.

- **Y**—Indicates that the footprint is created by the load utility.
- **blank**—Indicates that the footprint created by a processor.

Cnt

Number of PTFs (ZAPs) applied against the CSECT.

Date

Contains the date on which the PTF identified by the INFO field (to the right) was applied. One date is included for each PTF.

Info

Contains the IDRDATA assigned at the time the PTF was applied.

CONRPT83: Footprint Exception Report

CONRPT83 lists those members/CSECTs of a library that has no footprint information or the footprint information has been compromised. A compromise occurs if the footprint information is out of sync with the Master Control File for the corresponding element, or when the CSECT has been ZAPped.

The intention of this report is to validate the contents of processor output libraries. When run against base and/or delta libraries, its results are unpredictable. Use the Validate function of C1BM5000 to validate footprints in base and delta libraries.

Note: See the *Utilities Guide* for more information.

To determine whether the footprint information is out of sync with the MCF, CA Endevor SCM compares the member/CSECT footprint against the corresponding element, within the environment and stage specified using the selection statements.

For each member/CSECT, a message is included to the far right. This message indicates the reason why the member/CSECT is included in the report.

Note: Load modules that only have a load module footprint (versus a CSECT footprint) will show up as having a footprint compromise error with this report. CONRPT83 is looking at CSECT footprints, not load module footprints.

This section provides sample report JCL (z/OS and VSE) and EXECs (VM) for running the Executable Module Footprint Report.

Use the JCL (or EXEC) appropriate to your installation when running this report. Certain variable parameters, indicated by lower case entries in the JCL or EXEC, must be changed to meet your particular requirements.

CONRPT83 Report Column Headings

This section describes the column headings that appear on the CONRPT83 Footprint Exception report.

Library and Volume

Contains the data set name for the library being processed, and the volume number of the disk pack on which the library resides.

Member

Contains the name of the (load or non-load) library member for which information is shown to the right.

CSECT

Applicable for load members only containing the CSECT NAME and displays one of the following values:

- Footprint information
- Or the comment "* NO FOOTPRINT PRESENT" displays to the right

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Element

Contains the name of the element that corresponds to this CSECT (for a load member) or member (for a non-load member).

STG

Contains the ID of the stage under which the corresponding element is defined.

VVLL

Indicates the version and level of the element.

Date

Contains the generate processor date for the element (*ddMMMyy*).

Time

Contains the generate processor time for the element (*hh:mm*).

LD

Indicates how the footprint was created.

- **Y**—Indicates that the footprint is created by the load utility.
- **blank**—Indicates that the footprint created by a processor.

Gen/MSTR Date

Contains the generate processor date for the element (*ddMMMyy*) from the Master Control File (MCF) for this member/CSECT.

MOVE/CMP Date

Contains the move date for the element—and its associated component list, if there is one—(*ddMMMyy*) from the MCF file for this member/CSECT.

VVLL

Contains the latest (most current) version or level for the element from the MCF file for this element or CSECT.

Message

Contains the message number to describe why the member/CSECT is included in the report. The message numbers and meanings are described on the final page of this report.

Chapter 7: Unload and Reload Reports

This section contains the following topics:

Unload and Reload Reports Discussed in this Chapter

The Unload and Reload reports are described in detail in this chapter:

- CONRPT50: Unload System Inventory Profile
- CONRPT51: Unload System Definition Profile
- CONRPT52: Unload Approver Group Definition
- CONRPT53: Unload Approver Group Usage
- CONRPT54: Unload Element Catalog
- CONRPT55: Unload Package Summary Report

The Unload and Reload reports contain information about system unload activity. When running an Unload and Reload report against an unload tape, you must include an UNLINPT DD statement in the report JCL.

CONRPT50: Unload System Inventory Profile

This report provides information about all elements in the systems you specify as input parameters, at the time of the unload referenced in the header of this report. When more than one element is shown for one or more environment/system/subsystem/type/stage, the report prints total statement counts.

Using this report, you can easily see which elements have been updated or processed as a part of the current project. This allows you, for example, to identify elements that have been overlooked, so that these elements can be updated before they are moved to production.

CONRPT50 Report Column Headings

This section describes the column headings that appear on the CONRPT50 Unload System Inventory Profile report.

System

Contains the name of the system where listed elements reside.

System Title

Contains the name of the unload tape where this system is stored.

Backup Date

Specifies the date the last backup was taken using the unload utility.

Backup Time

Specifies the time the last backup was taken using the unload utility.

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

Element

Specifies the name of an element defined within the system, subsystem, element type, and stage shown to the left, and for which detailed information is shown to the right.

VVLL

Indicates the version and level of the element.

Processor Group

Contains the name of the processor group for the element.

Base Date

Contains the base date for the element (*ddMMMyy*).

Base User ID

Contains the base user ID for the element.

Current Date

Contains the level date for the current level of the element (*ddMMMyy*).

Current User ID

Contains the level user ID for the current level of the element.

Last Gen Date

Contains the last generate processor date for the element (*ddMMMyy*).

Last Gen User ID

Contains the user ID for the last run of generate processor.

CONRPT51: Unload System Definition Profile

This report provides detailed system definition information for each system requested, at the time of the unload referenced in the report header. System definition information is described in the *Administrator Guide*.

CONRPT51: Unload System Definition Profile Report

This section shows the CONRPT51 Unload System Definition Profile report.

```
1  Copyright (C) 1986-2011 CA. All Rights Reserved.                                        04/15/11  15:07:08     PAGE     3
 -- EZBUILDER 15353787 SCENARIO TEST --              CA Endevor SCM                            VERSION 15.0  SERIAL B1500C

                                      CONRPT51:UNLOAD SYSTEM DEFINITION PROFILE
 ENVIRONMENT: ENV1

                                                                                COMMENT   CCID      SIGN      CHECK     UPDATED   UPDATE    UPDATE
 STAGE SYSTEM    SYSTEM TITLE                                                   REQD      REQD      REQD       DSN      BY        DATE      TIME
0  1   SYS       SYSTEM SYS                                                      N         N         N          N       USER001   15APR11   13:56
0              DUP ELM NAME CHK     DUP PROC O/P TYPE CHK
               ACTIVE / MSGSEV   ACTIVE / ACROSS SBS / MSGSEV
                 N    /  N/A       N    /     N      /  N/A
0              SYSTEM BACKUP DATE    : 15APR11    PROCESSOR LOAD    : PUBLIC.USER001.NSC.ENV11.PRCSLOAD
               SYSTEM BACKUP TIME    : 14:18      PROCESSOR LIST    : PUBLIC.USER001.NSC.ENV11.LISTLIB
                                                  UNLOAD DATASET    : BST.USER014.UNLOAD
0  TYPE(S)   UPDATE USERID  DATE    TIME   DEFAULT PROCESSOR GROUP
     GROUP     PROC NAME TYP  FG  SYMBOLICS
0 ASMMAC         USER001   15APR11 13:56       *NOPROC*
     *NOPROC*  NO PROCESSOR REQUIRED
               *NOPROC*  D     Y
               *NOPROC*  G     Y
               *NOPROC*  M     Y
  ASMPGM         USER001   15APR11 13:56       LEMBX
     *NOPROC*  NO PROCESSOR REQUIRED
               *NOPROC*  D     Y
               *NOPROC*  G     Y
               *NOPROC*  M     Y
     LEMBX     ASSEMBLE
               *NOPROC*  M     Y
               DPDSMBR   D     Y
               GASM      G     Y
     LEMBXCAI  ASMPGM LEMBXCAI
               *NOPROC*  M     Y
               DPDSMBR   D     Y
               GASM      G     Y
     LEMBXMVS  ASMPGM LEMBXMVS
               *NOPROC*  M     Y
               DPDSMBR   D     Y
               GASM      G     Y
     LEMBXNL   ASSEMBLE, NO LINK
               *NOPROC*  M     Y
               DPDSMBR   D     Y
               GASM      G     Y
     LEMBXNM   ASMPGM LEMBXNM
               *NOPROC*  M     Y
               DPDSMBR   D     Y
               GASM      G     Y
     LEMBXNOR  ASSEMBLE, NORENT
               *NOPROC*  M     Y
               DPDSMBR   D     Y
               GASM      G     Y
     LEMBXNRL  ASSEMBLE, NO RENT, NO LINK
               *NOPROC*  M     Y
               DPDSMBR   D     Y
               GASM      G     Y
```

CONRPT51 Header Report Column Headings

This section describes the column headings that appear on the header section of the CONRPT51 Unload System Definition Profile report.

Environment

Contains the name of the environment where the system resides.

Stage

Contains the ID of the stage where the system resides.

System

Contains the name of the system for which the definition information is shown.

System Title

Displays a descriptive title for the system.

Comment REQD

Valid entries are as follows:

- **Y**—Comments must be included for each action to which they apply.
- **N**—Comments are not required.

CCID REQD

Valid values are as follows:

- **Y**—Change control ID must be included for each action to which it applies.
- **N**—Change control IDs are not required.

Sign REQD

Valid values are as follows:

- **Y**—The sign-in/sign-out facility is in use for this system.
- **N**—The sign-in/sign-out facility is not in use for this system.

Check DSN

Valid values are as follows:

- **Y**— Data set validation is in use for this system.
- **N**— Data set validation is not in use for this system.

Updated By

Contains the user ID responsible for last system definition update.

Update Date

Contains the date of last system definition update (ddMMMyy).

Update Time

Contains the time of last system definition update (hh:mm).

DUP ELM NAME CHK (duplicate element name check)

ACTIVE

Indicates whether the duplicate element name registration check feature is activated. If enabled, element names are checked for duplications across other systems and subsystems.

- **Y**—Indicates that the duplicate element name registration check is enabled.
- **N**—Indicates that the duplicate element name registration check is disabled.

MSGSEV

Indicates the severity level for the duplicate element name registration.

If the duplicate element name severity level value check box is enabled, this value indicates its error message severity level.

- W—Warning
- C—Caution
- E—Error

DUPPROC O/P TYPE CHK (duplicate processor output Type check)

Active

Indicates whether the processor output registration check feature is activated. If enabled, the element name is checked across types and processor groups for the same processor output type.

- **Y**—Indicates that the processor output registration check feature is enabled.
- **N**—Indicates that the processor output registration check feature is disabled.

Note: Checking the duplicate proc o/p type box activates the duplicate proc o/p type box severity level field.

ACROSS SBS

Indicates whether the processor output registration check feature is applies at the Subsystem level.

- **Y**—Indicates that the processor output registration check feature is enabled at the Subsystem level.
- **N**—Indicates that the processor output registration check feature is disabled at the Subsystem level.

MSGSEV

Indicates the error message severity level for the duplicate proc o/p type field. This field is enabled only if the duplicate proc o/p type box is checked.

- W—Warning
- C—Caution
- E—Error

System Backup Date

Contains the date of unload covered by this report.

Processor Load

Contains the name of the processor load library for the system.

System Backup Time

Contains the time of unload covered by this report.

Processor List

Contains the name of the processor listing library for the system.

Unload Dataset

Contains the data set where report information is stored.

CONRPT51 Report Column Headings

This section describes the column headings that appear on the on the report section of the CONRPT51 Unload System Definition Profile report.

Type(s)

Contains the name of the defined element type.

Update User Id

Contains the ID of the user responsible for last element definition update.

Date

Contains the date of last element definition update (*ddMMMyy*).

Time

Contains the time of last element definition update (*hh:mm*).

Default Processor Group

Contains the default processor group for the named type.

Group

Contains the name and description of the processor group currently assigned to the element.

PROC Name

Contains the name of the (generate, move, or delete) processor for the element.

Typ

Contains the processor type. Possible values are as follows:

- **D**—Delete processor
- **G**—Generate processor
- **M**—Move processor

FG

For each of the three types of processors, an indication of whether the processor can be run in foreground. Valid entries are as follows:

- **Y**—Indicates that the processor can be executed in the foreground.
- **N**—Indicates that the processor cannot be executed in the foreground.

If a processor cannot be run in foreground and you run an action in foreground that would normally result in the execution of a processor, you will get a message to that effect and must submit the action in batch.

Symbolics

Shows any overridden symbolics associated with the processor. The default symbolic appears in the left portion of the field; the value used to override the default appears in the right portion of the field. Default symbolics that are not overridden are not listed.

CONRPT52: Unload Approver Group Definition

The Unload Approver Group Definition report lists, by approver group, selected information defined in CA Endevor SCM, as contained in the unload data set referenced. Approver group definition is explained completely in the *Administrator Guide*.

CONRPT52 Report Column Headings

This section describes the column headings that appear on the CONRPT52 Unload Approver Group Definition report.

Environment

Contains the name of the environment in which the approver group is defined.

Unload Dsname

Contains the unload data set containing this information.

Group

Contains the name of the approver group.

Title

Contains a descriptive title for the approver group.

Quorum

Contains the number of required approvals.

Last Updated By

Indicates when the approver group definition was last updated, listing user (BY:), date (ON:), and time (AT:).

User IDs

Lists the approvers for the inventory as specified (see the next report field described).

Where Used

Lists the inventory area or areas that are related to the approver group. These areas are identified by stage, system, subsystem, and/or type, all within the environment listed at the top of the report.

CONRPT53: Unload Approver Group Usage

The Unload Approver Group Usage report lists all inventory areas, within a specified environment, for which approval is required, as contained in the unload data set referenced. The approver groups related to each inventory area are shown to the right of the inventory area identification.

Note: See the *Packages Guide* for more information about standard and emergency approver groups.

CONRPT53 Report Column Headings

This section describes the column headings that appear on the CONRPT53 Unload Approver Group Usage report.

Environment

Contains the name of the environment in which the inventory areas are defined.

Unload Dsname

Contains the unload data set containing this information.

Stage/System/ Subsystem/Type

Contains the inventory areas for which approval is required.

Approver Groups

Specifies the approver groups related to each inventory area. More than one approver group can be associated with a particular inventory area. The approver group type appears in parentheses to the left of the approver group name. This report identifies the following approver groups:

- **ST**—Indicates that the approver group type is standard.
- **EM**—Indicates that the approver group type is emergency.

Note: For more information about standard and emergency approver groups, see the *Packages Guide*.

CONRPT54: Unload Element Catalog

This report provides detailed information for all elements defined in the CA Endevor SCM Master Control File for the selected environment, at the time of the unload recorded in the unload data set referenced in the report header. This report is sorted by element name.

CONRPT54 Report Column Headings

This section describes the column headings that appear on the CONRPT54 Unload Element Catalog report.

Unload Dsname

Contains the unload data set where this information is stored.

Element

Specifies the name of an element defined within the system, subsystem, element type, and stage shown to the left, and for which detailed information is shown to the right.

NS

Indicates whether this is a sourceless element. Possible values for this column are as follows:

- **Y**—Indicates that the element is a sourceless element.
- **Blank**—Indicates that the element has source at this location.

Environ

Contains the name of the environment under which the corresponding element is defined.

System

Contains the name of the system under which the corresponding element is defined.

Subsys

Contains the name of the subsystem under which the element is defined.

Type

Contains the name of the element type.

Stage ID

Contains the ID of the stage where the element resides.

Stage Seq

Contains the sequential position of this stage on the map. For example, a value of 2 means that this stage is the second stage on a map route.

VVLL

Indicates the version and level of the element.

Processor Group

Contains the name of the processor group for the element.

Base Date

Contains the base date for the element (*ddMMMyy*).

Base User ID

Contains the base user ID for the element.

Current Date

Contains the date for the current level of the element (*ddMMMyy*).

Current User ID

Contains the user ID for the current level of the element.

Last Gen Date

Contains the date of the previous run of generate processor for the element (*ddMMMyy*).

Last Gen User ID

Contains the user ID for the previous run of generate processor for this element.

CONRPT55: Unload Package Summary Report

The Unload Package Summary Report prints information on all packages in the system at the time of the unload tape referenced in the heading of the report.

CONRPT55 Report Column Headings

This section describes the column headings that appear on the CONRPT55 Unload Package Summary report.

Package name

Contains the name of the package as defined during package processing.

PRO VER

Identifies the sequence (version) of the promotion package. This number matches the number shown in the promotion package header. Valid values are as follows:

- 0—Indicates that this is not a promotion package.
- 001—Indicates that this is the current promotion package.
- 00n—Indicates that this is the current version minus n. For example, 002 indicates that this is the current version minus one

Status

Specifies the current status of the package. Values for the status can be one of the following:

ABORTED

Indicates that the package failed to execute.

APPROVED

Indicates that the package is approved by all approvers.

COMMITTED

Indicates that the package is committed.

DENIED

Indicates that the package is denied approval.

EXECUTED

Indicates that the package executed successfully.

IN-APPROVAL

Indicates that the package is not approved or denied.

IN-EDIT

Indicates that the package is created, but not cast.

INVALID

Indicates that the package is considered invalid (there were discrepancies within the package when it was reviewed prior to execution). This problem is commonly caused by manually editing the package before submitting it for execution. The actual reason for the invalid status is shown in an error message at the top of the BSTRPTS output data set.

Type

Indicates the type of the package. Possible values are as follows:

- **ST**—Standard
- **EM**—Emergency

Backout

Indicates whether Backout is enabled. Valid entries are as follows:

blank

Indicates that there has been no backout activity for the package.

BACKED-OUT

Indicates that the package has been backed out.

BACKED-OUT

Indicates that the package has been backed in.

Last Updated

Indicates the date of last package update (*ddmmmyy*).

Update User ID

Contains the user ID of the user responsible for last package update.

Cast Date

Indicates the date when package was cast (*ddmmmyy*).

Cast User

Contains the user ID of the user who cast the package.

App/Den Date

Contains the date when package was approved (APP) or denied (DEN).

Execute Date

Contains the date when the package was executed.

Window_Start Date Time

Indicates the initial date and time at which the package may be executed.

Window_End Date Time

Indicates the final date and time at which the package may be executed.

Chapter 8: Shipment Reports

This section contains the following topics:

Shipment Reports Discussed in this Chapter

The Shipment reports are described in detail in this chapter:

- Data Extraction Facility
- Specifying Shipment Reports
- CONRPT73: Destination Detail Report
- CONRPT74: Package Shipment Report by Package ID
- CONRPT75: Package Shipment Report by Destination
- CONRPT76: Package Shipment Report by Shipments

Shipment reports allow you to review package shipment activity in summary format. Shipment reports and Footprint reports are mutually exclusive. If you need both types of reports, you must submit two separate jobs or two separate jobsteps within the same job.

Data Extraction Facility for Shipments

CA Endevor SCM allows you to extract data from a package library without producing shipment reports. You must submit an EXTRACT request (defined in the following sections), and the data to be extracted must be written to a data set identified in an EXTRACT DD statement. We recommend that this data set have a LRECL of 4092 and a RECFM of VB. A record layout is provided for the data in this file; the layout is in the form of an assembler macro. This macro has a member name of **C1BRXPAK** in the iprfx.iqual.CSIQOPTN library.

The data in this extract file is available to you to create custom reports. To extract data only, do not submit a REPORT request. When you request EXTRACT, CA Endevor SCM does not print an extract summary report.

Syntax for Specifying Shipment Reports

The syntax for specifying Shipment Reports is as follows:

EXTract extract-numbers.

REPort report numbers.

PACkage package-name.

DEStination destination ID.

SHIpped after ... date ...

BEFORE ... date ... .

All statements are optional, and default to ALL.

REPort report-numbers

Acceptable report numbers for the REPORT statement are 73, 74, 75, or 76.

EXTract extract-numbers

If you want to extract report data but not generate any reports, include an EXTRACT statement and omit the REPORT statement from the specification. Acceptable extract numbers for the extract statement are 73, 74, 75, and 76. The record layout of the extract file is defined by an assembler macro, which is the member **C1BRXPAK** in the iprfx.iqual.CSIQOPTN library.

PACkage package-name

Specifies a package name value. Name masking is valid. All packages IDs that match the mask are processed.

DEStination destination-id

You may specify a destination ID or mask.

SHIpped after ... date ... BEFORE ... date ...

Specifies the date range when the package was shipped for reports 74, 75, and 76. You can specify the dates in mm/dd/yy or ddmmmyy format.

CONRPT73: Destination Detail Report

The Destination Detail report prints detail information for each destination in a package data set.

CONRPT73 Report Column Headings

This section describes the column headings that appear on the CONRPT73.

DESTINATION

Contains the destination name.

TRANS METHOD

Contains the transmission utility for this destination.

RMT NODENAME

Contains the name of the remote node.

RMT IPNAME

Contains the TCP/IP address for the remote location, for the XCOM transmission method.

DESCRIPTION

Contains the package description.

SHIP COMPLEMENTARY DATASETS

Indicates whether complementary data sets are shipped.

IPPORT

Contains the TCP/IP SERVPORT number, for the XCOM transmission method.

CREATED

Specifies the date, time and user that created the destination record.

UPDATED

Specifies the date, time and user that last updated the destination record.

DATASET STAGING INFORMATION

PREFIX

Contains the prefix for the staging data sets that CA Endevor SCM builds in the first step of the ship utility, for the host and remote site.

DISPOSITION

Indicates whether CA Endevor SCM deletes or keeps the staging data sets after they have been processed, in the host and remote site.

UNIT

Contains the unit designation to be used when allocating staging data sets, for the host and remote site.

VOLUME SERIAL

Contains the volume serial used when allocating staging data sets.

USS STAGING INFORMATION

DISPOSITION

Indicates whether CA Endevor SCM deletes or keeps the staging directories and files created during the shipping process at the host and remote sites after processing is complete.

HOST PATH NAME

Contains the host path name that CA Endevor SCM will use to create staging directories and process the files being shipped to the remote site.

REMOTE PATH NAME

Contains the remote path name that CA Endevor SCM will use to create staging directories and process the files being received at the remote site.

REMOTE JOB STATEMENT INFORMATION

Identifies accounting and class information for shipment processing on the remote site.

MAPPING RULE

Indicates whether a host data set name or path name is MAPPED to a remote data set name or path name, or whether host data sets or paths are EXCLUDED from transmission to the remote site.

MEMBERS PER CYL

Contains an approximation of the average number of members that can be contained in one cylinder for datasets that are mapped by this rule.

HOST DATASET NAME

Contains the host data set name or mask for the rule used to map host data sets to remote data sets.

REMOTE DATASET NAME

Contains the remote data set name or mask for the rule used to map the data sets.

HOST PATH NAME

Contains the host path name or mask for the rule used to map host path names to remote path names.

REMOTE PATH NAME

Contains the remote path name or mask for the rule used to map host path names to remote path names.

CONRPT74: Package Shipment Report by Package ID

The Package Shipment Report by Package ID prints detail information about shipped packages.

CONRPT74 Report Column Headings

This section describes the column headings that appear on the CONRPT74.

Package

Contains the name of the package shipped.

Type

Indicates the type of the package. Possible values are as follows:

- **PKG**— Package
- **BKO**— Backout

Complement

Indicates whether the complementary files were shipped.

Destination

Contains the destination ID of the package.

Shipment Date

Specifies the date of package shipment.

Shipment Time

Specifies the time of package shipment.

Host Stage

Indicates the return code that refers to the status of the host stage. Possible values are as follows:

- **RC=***##*—Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=***###*—Where ### denotes a user abend code in standard IBM format.
- **S/***###*—Where ### denotes a system abend in standard IBM format.
- **EX=***##*—Where ## denotes a package return code. When this category of return code appears, the normal return code entry is 12.
- **EXEC'D**—A generic EXECUTED, where no return code is available.
- **ABEND**—A generic ABEND, where no abend code is available.

Host XMIT

Indicates the return code that refers to the status of the package transmission. Possible values are as follows:

- **RC=*##*—** Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=*###*—** Where ### denotes a user abend code in standard IBM format.
- **S/*###*—** Where ### denotes a system abend in standard IBM format.
- **EXEC'D—** A generic EXECUTED, where no return code is available.
- **ABEND—** A generic ABEND, where no abend code is available

Remote Rec

Displays a return code that refers to the package reception. No return code is presently available for this entry.

Remote Move

Displays a return code that refers to the status of the remote move. Possible values include:

- **RC=*##*—**Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=*###*—**Where ### denotes a user abend code in standard IBM format.
- **S/*###*—**Where ### denotes a system abend in standard IBM format.
- **EXEC'D—**A generic EXECUTED, where no return code is available.
- **ABEND—**A generic ABEND, where no abend code is available.

Remote Job Name

Displays the Job name of the remote copy/delete job stream.

CONRPT75: Package Shipment Report by Destination

The Package Shipment Report by Destination prints information about shipped packages by destination.

CONRPT75 Report Column Headings

This section describes the column headings that appear on the CONRPT75.

Destination

Displays the destination ID of the package.

Package

Displays the name of the package shipped.

Type

Indicates the type of the package. Possible values are as follows:

- **PKG**— Package
- **BKO**— Backout

Complement

Indicates whether complementary files were shipped.

Shipment Date

Contains the date of package shipment.

Shipment Time

Displays the time of package shipment.

Host Stage

Displays a return code that refers to the status of the host stage. Possible values include:

- **RC=*##***— Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=*###***— Where ### denotes a user abend code in standard IBM format.
- **S/*###***— Where ### denotes a system abend in standard IBM format.
- **EX=*##***— Where ## denotes a package return code. When this category of return code appears, the normal return code entry is 12.
- **EXEC'D**— A generic EXECUTED, where no return code is available.
- **ABEND**— A generic ABEND, where no abend code is available.

Host XMIT

Displays a return code that refers to the status of the package transmission. Possible values include:

- **RC=*##***— Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=*###***— Where ### denotes a user abend code in standard IBM format.
- **S/*###***— Where ### denotes a system abend in standard IBM format.
- **EXEC'D**— A generic EXECUTED, where no return code is available.
- **ABEND**— A generic ABEND, where no abend code is available.

Remote RECV

Displays a return code that refers to the package reception. No return code is presently available for this entry.

Remote Move

Displays a return code that refers to the status of the remote move. Possible values include:

- **RC=##**— Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=###**— Where ### denotes a user abend code in standard IBM format.
- **S/###**— Where ### denotes a system abend in standard IBM format.
- **EXEC'D**— A generic EXECUTED, where no return code is available.
- **ABEND**— A generic ABEND, where no abend code is available.

Remote Job Name

Contains the Job name of the remote copy/delete job stream.

CONRPT76: Package Shipment Report by Shipments

The Package Shipment Report by Shipments prints information about shipped packages by the date of shipment.

CONRPT76 Report Column Headings

This section describes the column headings that appear on the CONRPT76.

Shipment Date

Contains the date of package shipment.

Shipment Time

Contains the time of package shipment.

Package

Contains the name of the package shipped.

Type

Indicates the type of the package. Possible values are as follows:

- **PKG**— Package
- **BKO**— Backout

Complement

Indicates whether complementary files were shipped.

Destination

Contains the destination ID of the package.

Host Stage

Indicates the return code that refers to the status of the host stage. Possible values include:

- **RC=*##***—Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=*###***—Where ### denotes a user abend code in standard IBM format.
- **S/*###***—Where ### denotes a system abend in standard IBM format.
- **EX=*##***—Where ## denotes a package return code. When this category of return code appears, the normal return code entry is 12.
- **EXEC'D**—A generic EXECUTED, where no return code is available.
- **ABEND**—A generic ABEND, where no abend code is available.

Host XMIT

Indicates the return code that refers to the status of the package transmission. Possible values include:

- **RC=*##***—Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=*###***—Where ### denotes a user abend code in standard IBM format.
- **S/*###***—Where ### denotes a system abend in standard IBM format.
- **EXEC'D**—A generic EXECUTED, where no return code is available.
- **ABEND**—A generic ABEND, where no abend code is available.

Remote Rec

Indicates the return code that refers to the package reception. No return code is presently available for this entry.

Remote Move

Indicates the return code that refers to the status of the remote move. Possible values include:

- **RC=*##***—Where ## denotes a return code. Code definitions can be found in the &U$ENMSG..
- **U=*###***—Where ### denotes a user abend code in standard IBM format.
- **S/*###***—Where ### denotes a system abend in standard IBM format.
- **EXEC'D**—A generic EXECUTED, where no return code is available.
- **ABEND**—A generic ABEND, where no abend code is available.

Remote Job Name

Contains the job name of the remote copy/delete job stream.

Chapter 9: Archived Package Reports

This section contains the following topics:

Archived Package Reports Discussed in this Chapter

The Archived Package reports are described in detail in this chapter:

- Data Extraction Facility
- Specifying Archived Package Reports
- CONRPT56: Archived Package Summary Report
- CONRPT57: Archived Package Approver Report
- CONRPT58: Archived Package Detail Report

Archived Package reports allow you to review archived package processing activity in summary, by approver/group, and detail formats.

Data Extraction Facility

CA Endevor SCM allows you to extract data from an archived package library without producing package reports. You must submit an EXTRACT request (defined in the following sections), and the data to be extracted must be written to a data set identified in an EXTRACT DD statement. This data set must have a LRECL of at least 1200 and a RECFM of VB. A record layout is provided for the data in this file; the layout is in the form of an assembler macro. This macro has a member name of **C1BRXPAK** in the iprfx.iqual.CSIQOPTN library.

The data in this extract file is available to you to create custom reports. To extract data only, do not submit a REPORT request. When you request EXTRACT, CA Endevor SCM does not print an extract summary report.

Note: When executing an Archived Package Report, you must include the//ARCINPT DD statement in the report JCL.

Syntax for Specifying Archived Package Reports

The syntax for specifying Archived Package Library reports is as follows:

EXTract *extract-numbers*.

REPort *report-numbers*.

PACkage *package-name*.

PROMotion HIStory

APProver *approver-id*.

GRoup *approval-group-id*.

STATus *status-indicator*.

WINdow after ... *date* ... BEFORE ... *date* ... .

CREated after ... *date* ... BEFORE ... *date* ... .

EXEcuted after ... *date* ... BEFORE ... *date* ... .

CASt after ... *date* ... BEFORE ... *date* ... .

All statements are optional, and default to ALL.

Note: Approver and Group are for CONRPT57 only.

EXTract extract-numbers

If you want to extract report data but not generate any reports, include an EXTRACT statement and omit the REPORT statement from the specification. Acceptable extract numbers for the extract statement are 56, 57, 58. The record layout of the extract file is defined by an assembler macro, which is the member **C1BRXPAK** in the iprfx.iqual.CSIQOPTN library.

REPort report-numbers

Acceptable report numbers for the REPORT statement are 56, 57, 58.

PACkage package-name

You may specify one package name and it can be masked.

PROMotion HIStory

Only the current version of the package appears in the report, although historic versions of promotion packages are archived.

APProver approver-id

You may specify one approver ID or mask.

GRoup approval-group-id

You may specify one approval group ID or mask.

STATus status-indicator

You may specify one or more of the following status indicators:

- ABorted
- APPROVED
- BACKEDOUT
- COmmitted
- DEnied
- EXECUTED
- IN-APPROVAL
- IN-EDIT

WINdow after ... date ... BEFORE ... date ...

You may specify dates to limit selection criteria. Dates may be in either mm/dd/yy or ddmmmyy format.

CREated after ... date ... BEFORE ... date ...

You may specify dates to limit selection criteria. Dates may be in either mm/dd/yy or ddmmmyy format.

EXEcuted after ... date ... BEFORE ... date ...

You may specify dates to limit selection criteria. Dates may be in either mm/dd/yy or ddmmmyy format.

CASt after ... date ... BEFORE ... date ...

You may specify dates to limit selection criteria. Dates may be in either mm/dd/yy or ddmmmyy format.

Note: For CONRPT57 only.

Selection Dates and the Status Statement

Only certain selection dates apply to each package status. The following lists these correspondences.

Aborted

CREATED; WINDOW; CAST; EXECUTED; BACKED OUT

Approved

CREATED; WINDOW; BACKED OUT

Committed

CREATED; WINDOW; CAST; EXECUTED; BACKED OUT

Denied

CREATED; WINDOW; CAST

Executed

CREATED; WINDOW; CAST; EXECUTED; BACKED OUT

In-approval

CREATED; WINDOW; CAST

In-edit

CREATED

CONRPT56: Archived Package Summary Report

The Archived Package Summary report provides a one line summary of all packages defined within the inventory areas specified in the input parameters.

CONRPT56 Report Column Headings

This section describes the column headings that appear on the CONRPT56 Archived Package Summary report..

Package name

Contains the name of the package as defined during package processing.

PRO VER

Identifies the sequence (version) of the promotion package. This number matches the number shown in the promotion package header. Valid values are as follows:

- 0—Indicates that this is not a promotion package.
- 001—Indicates that this is the current promotion package.
- 00n—Indicates that this is the current version minus n. For example, 002 indicates that this is the current version minus one

Status

Indicates the status of the package. Status can be one of the following:

COMMITTED

Indicates that the package is committed.

EXECUTED

Indicates that the package executed successfully.

Type

Indicates the type of the package. Possible values are as follows:

- **ST**—Standard
- **EM**—Emergency

  The quorum size (minimum number of approvers required in order for the package to be executed) also appears in this field.

Backout

None.

Note: This field must be blank.

Last Updated

Indicates the date of last package update (*ddmmmyy*).

Update User ID

Contains the user ID of the user responsible for last package update.

Cast Date

Indicates the date when package was cast (*ddmmmyy*).

Cast User

Contains the user ID of the user who cast the package.

App/Den Date

Indicates the date when package was approved (APP) or denied (DEN).

Execute Date

Indicates the date when the package was executed.

Window_Start Date Time

Indicates the initial date and time at which the package may be executed.

Window_End Date Time

Indicates the final date and time at which the package may be executed.

CONRPT57: Archived Package Approver Report

The Archived Package Approver report prints information about the approval status for each package within a specific archive file. There are two entries for each package:

- Summary information for the package
- Approver information for the package

CONRPT57 Report Column Headings

This section describes the column headings that appear on the CONRPT57 Archived Package Detail report.

Package name

Contains the name of the package as defined during package processing.

PRO VER

Identifies the sequence (version) of the promotion package. This number matches the number shown in the promotion package header. Valid values are as follows:

- 0—Indicates that this is not a promotion package.
- 001—Indicates that this is the current promotion package.
- 00n—Indicates that this is the current version minus n. For example, 002 indicates that this is the current version minus one

Status

Indicates the status of the package. Status can be one of the following:

COMMITTED

Indicates that the package is committed.

EXECUTED

Indicates that the package executed successfully.

Type

Indicates the type of the package. Possible values are as follows:

- **ST**—Standard
- **EM**—Emergency

Backout

None.

Note: This field must be blank.

Last Updated

Indicates the date of last package update (*ddmmmyy*).

Update User ID

Contains the user ID of the user responsible for last package update.

Cast Date

Indicates the date when package was cast (*ddmmmyy*).

Cast User

Contains the user ID of the user who cast the package.

App/Den Date

Contains the date when package was approved (APP) or denied (DEN).

Execute Date

Contains the date when the package was executed.

Window_Start Date Time

Indicates the initial date and time at which the package may be executed.

Window_End Date Time

Indicates the final date and time at which the package may be executed.

Approver Section

Provides a description.

Group Name

Contains the name of the group.

Quorum

Indicates the number of approvals required to approve this package.

Status

Contains the current status of the approver group. Status can be:

APPROVED

Indicates that the package is approved by all approvers.

Approver/Req'd/Action

These three related fields occur four times in the approver section of this report. The APPROVER field contains the ID of one of the package approvers. The value REQ in the REQ'D field indicates that the approver is required to sign off on the package. The action taken by that approver appears in the ACTION field next to the approver's ID.

CONRPT58: Archived Package Detail Report

The Archived Package Detail report prints detail information for each package within a specific archive file. There are six entries for each package:

- Summary information
- User Notes section
- Approver section
- SCL section
- Action summary
- Cast section

User Notes Section of CONRPT58

The User Notes section displays text that is associated with a package. You can enter notes on any of the following panels: Create/Modify Package, Cast Package, Review Package, Approve Package, or Deny Package.

There is one report line for each user-provided note line. If the package does not contain any remark text, the following message is printed:

```
THERE ARE NO USER NOTES ASSOCIATED WITH THE PACKAGE
```

Approver Section of CONRPT58

The Approver section of CONRPT58 provides information on the approver group that is associated with a package.

The SCL section of this report lists the package SCL statements, as coded by the user.

Action Summary of CONRPT58

The Action Summary section of this report contains source and target information for all actions in the package. The source statements contain the number of the action, the name of the action, and information about the action, including CCID and comments. Target statements are optional and contain action information only.

There are two basic formats for the action information:

- External data set format: This includes the external data set name and, in some instances, the data set member return code and/or a comment.
- CA Endevor SCM format: This includes environment and one or more of the following: system, subsystem, type, element, level, stage, return code, and comment.

Cast Summary of CONRPT58

The cast summary section of this report contains the results of the parse of the CAST statement SCL, and the messages produced by the execution of the CAST statement. The Cast Section contains the original Cast report, so the header information such as date and time, may be different from the date and time for CONRPT58.

CONRPT58: Archived Package Detail Report

This section shows the CONRPT58 Archived Package Detail report.

```
1  Copyright (C) 1986-2010 CA. All Rights Reserved.                                                    02/08/11  09:10:50     PAGE    11
 Northeast Region                                    CA Endevor SCM                                                      SERIAL B1400C
                  CONRPT58: ARCHIVE PACKAGE DETAIL REPORT    FROM BST.USER04.PKGARCH2

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  P005805TOESCM        EXECUTED      ST                                 21JUL09  USER08  21JUL09 21JUL09 21JUL09 00:00 31DEC79 00:00
                CA-7 SCHEDULED JOB:                                        DEPENDENT JOB:

           ------------------------------------------------------------------------------------------------------------------
                                      U S E R   N O T E S   S E C T I O N
           ------------------------------------------------------------------------------------------------------------------
                        THERE ARE NO USER NOTES ASSOCIATED WITH THE PACKAGE

1  Copyright (C) 1986-2010 CA. All Rights Reserved.                                                    02/08/11  09:10:50     PAGE    12
 Northeast Region                                    CA Endevor SCM                                                      SERIAL B1400C
                  CONRPT58: ARCHIVE PACKAGE DETAIL REPORT    FROM BST.USER04.PKGARCH2

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  P005805TOESCM        EXECUTED      ST                                 21JUL09  USER08  21JUL09 21JUL09 21JUL09 00:00 31DEC79 00:00

          ------------------------------------------------------------------------------------------------------------------
                                         S C L   S E C T I O N
          ------------------------------------------------------------------------------------------------------------------

       1  SET STOPRC 16 .
       2  SET FROM ENV "PRD"
                 SYS "NDVR"
                 SUB "R120"
                 STAGE NUMBER "2" .
       3  SET TO   DDNAME "ARCHIVE"  .
       4  SET OPTION COM  "TRANSFER ELEMENTS TO SEBASE"
                    BYPASS ELEMENT DELETE
                    OVERRIDE SIGNOUT
                    CCID "P005805".
       5  TRANSFER ELEMENT "ECHALSYS" FROM TYPE "COBCOPY ".
       6  TRANSFER ELEMENT "P005805 " FROM TYPE "PTFS    ".

1  Copyright (C) 1986-2010 CA. All Rights Reserved.                                                    02/08/11  09:10:50     PAGE    13
 Northeast Region                                    CA Endevor SCM                                                      SERIAL B1400C
                  CONRPT58: ARCHIVE PACKAGE DETAIL REPORT    FROM BST.USER04.PKGARCH2

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  P005805TOESCM        EXECUTED      ST                                 21JUL09  USER08  21JUL09 21JUL09 21JUL09 00:00 31DEC79 00:00
```

```
          ------------------------------------------------------------------------------------------------------------
                                        A P P R O V E R   S E C T I O N
          ------------------------------------------------------------------------------------------------------------
     GROUP NAME     QUORUM  STATUS  APPROVER REQ'D ACTION  APPROVER REQ'D ACTION  APPROVER REQ'D ACTION  APPROVER REQ'D ACTION

   R7$PRE-PRD$APPR    00001  APPROV USER10               USER08        APPROV  USER07               USER09
                                    USER06               USER06

1  Copyright (C) 1986-2010 CA. All Rights Reserved.                                          02/08/11  09:10:50     PAGE    14
 Northeast Region                                  CA Endevor SCM                                                SERIAL B1400C
                  CONRPT58: ARCHIVE PACKAGE DETAIL REPORT    FROM BST.USER04.PKGARCH2

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  P005805TOESCM        EXECUTED      ST                               21JUL09  USER08  21JUL09 21JUL09 21JUL09 00:00 31DEC79 00:00

          ------------------------------------------------------------------------------------------------------------
                                        A C T I O N   S U M M A R Y
          ------------------------------------------------------------------------------------------------------------

     5 TRANSFER PRD      NDVR     R120     ECHALSYS   COBCOPY  01.06 PROD        ENDEVOR RC = 0000
               PRD      NDVR     R120

E2L8H7YZ COBCOPY        PROD
               CCID: P005805       COMMENT: TRANSFER ELEMENTS TO SEBASE

     6 TRANSFER PRD      NDVR     R120     P005805    PTFS     01.03 PROD        ENDEVOR RC = 0000
               PRD      NDVR     R120

E2L8H7ZL PTFS           PROD
               CCID: P005805       COMMENT: TRANSFER ELEMENTS TO SEBASE

1  Copyright (C) 1986-2010 CA. All Rights Reserved.                                          02/08/11  09:10:50     PAGE    15
 Northeast Region                                  CA Endevor SCM                                                SERIAL B1400C
                  CONRPT58: ARCHIVE PACKAGE DETAIL REPORT    FROM BST.USER04.PKGARCH2

  PACKAGE          PRO                                LAST    UPDATE    CAST     CAST    APP/DEN EXECUTE WINDOW_START  WINDOW_END
   NAME            VER STATUS       TYPE BACKOUT    UPDATED  USER ID    DATE     USER     DATE    DATE    DATE   TIME   DATE   TIME

  P005805TOESCM        EXECUTED      ST                               21JUL09  USER08  21JUL09 21JUL09 21JUL09 00:00 31DEC79 00:00
```

```
          ------------------------------------------------------------------------------------------------------------
                                          C A S T   S E C T I O N
          ------------------------------------------------------------------------------------------------------------

1  Copyright (C) 2007 CA. All Rights Reserved.                                          21JUL09 14:39:35     PAGE     1
                                       E N D E V O R   P A C K A G E   C A S T   R E P O R T                SERIAL B1203C
                                        S C L   S T A T E M E N T   S Y N T A X   P A R S E


   14:39:35  C1Y0015I  STARTING PARSE OF REQUEST CARDS
   14:39:35  C1Y0016I  REQUEST CARDS SUCCESSFULLY PARSED

   14:39:35  PKMR400I  BEGINNING ACTION VALIDATION AND SEARCH FOR APPLICABLE APPROVER GROUPS
   14:39:35  C1G0063I
   14:39:35  C1G0064I  PROCESSING STATEMENT #5
   14:39:38  C1G0000I     ELEMENT ECHALSYS
   14:39:38  C1G0506I     ENV: PRD  SYS: NDVR  SBS: R120  STGID: 2  TYPE: COBCOPY
   14:39:38  C1G0501I  ELEMENT RESERVED FOR PACKAGE P005805TOESCM
   14:39:38  C1G0063I
   14:39:38  C1G0064I  PROCESSING STATEMENT #6
   14:39:38  C1G0000I     ELEMENT P005805
   14:39:38  C1G0506I     ENV: PRD  SYS: NDVR  SBS: R120  STGID: 2  TYPE: PTFS
   14:39:38  C1G0501I  ELEMENT RESERVED FOR PACKAGE P005805TOESCM
   14:39:38  C1G0063I
   14:39:38  PKMR401I  ACTION VALIDATION COMPLETED WITHOUT ERRORS
   14:39:38  PKMR402I  1 APPROVER GROUP(S) FOUND APPLICABLE FOR PACKAGE


1  Copyright (C) 2007 CA. All Rights Reserved.                                          21JUL09 14:39:38     PAGE     2
                                       E N D E V O R   P A C K A G E   C A S T   R E P O R T                SERIAL B1203C


   14:39:38  PKMR791I  COMPONENT VALIDATION STARTED
   14:39:38  PKMR792I  PACKAGE DOES NOT CONTAIN SCL STMTS WHICH REQUIRE COMPONENT VALIDATION
   14:39:38  PKMR799I  COMPONENT VALIDATION COMPLETED : HIGHEST RC = 00


   14:39:38  ENMP302I  PACKAGE INSPECT:  ELEMENT AND MEMBER VALIDATION STARTED

   14:39:38  ENMP303I  ELEMENT AND MEMBER VALIDATION SUCCESSFULLY COMPLETED
```

CONRPT58: Report Column Headings

This section describes the column headings that appear on the CONRPT58 Archived Package Detail Report.

Package name

Contains the name of the package.

Status

Contains the current status of the package. Status can be one of the following:

COMMITTED

Indicates that the package is committed.

EXECUTED

Indicates that the package executed successfully.

Type

Indicates the Package type. Possible values are as follows:

- **ST**— Standard
- **EM**— Emergency

Backout

None.

Note: This field must be blank.

Last Updated

Indicates the date of last package update (*ddmmmyy*).

Update User ID

Contains the user ID of the user responsible for last package update.

Cast Date

Indicates the date when package was cast (*ddmmmyy*).

Cast User

Contains the user ID of the user who cast the package.

App/Den Date

Contains the date when package was approved (APP) or denied (DEN).

Execute Date

Contains the date when the package was executed.

Window_Start Date Time

Indicates the initial date and time at which the package may be executed.

Window_End Date Time

Indicates the final date and time at which the package may be executed.

Chapter 10: Site Options Report

This section contains the following topics:

Site Options Report

The site options report enables you to produce a listing of all your CA Endevor SCM options settings. The report includes a section for each of the following:

- Site Options Table - C1DEFLTS
- Site Type Sequence member contents
- Site Symbolics Table Symbols - ESYMBOLS
- Optional Features Table - ENCOPTBL
- CA Endevor SCM Panel Field Default Table - ENDICNFG
- Active CA Endevor SCM User Exits
- ESI Security Table - BC1TNEQU

To generate the report, include the following DD statement before executing CA Endevor SCM.

```
//EN$TROPT DD SYSOUT=*
```

If using TSO, include the following:

```
ALLOC DD(EN$TROPT) DS(*) REUS
```

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