



BASE11 and up **297-8991-542**
Standard 05.01 **August 1998**

Command Summary

APPLY	Apply PRSUs in destinations
ASSIGN	Change settings and database values
AUTOPROC	Start, stop, delay, or query the automated processes
DBAUDIT	Audit DEST DBs against PRSM DB
DISADMIN	Display the admin portion of PRSUs
FILEAUDIT	Manually execute part of the automated File Audit and then set or clear the EXT alarms based on the results.
FREEMEM	Free memory of replaced procedures
HELP	View help on PRSM commands/topics
ISTBAUDIT	Corrects patching after loading discrepancies in XPM destinations
PRSM	Access PRSM commands
PRSMSET	Build static set of PRSUs or DESTs
REMOVE	Remove PRSUs in destinations
REPORT	Output basic info on PRSUs or DESTs
SELDEF	Build user defined select definitions
SELECT	Generate a report from the PRSM DB
SETDEF	Build alias definitions for sets in PRSM
VALIDATE	Determine whether PRSU may apply in destinations

APPLY Examples

- Apply an ISN PRSU in all applicable destinations
APPLY scb05ib5
- Apply an XPM PRSU in all applicable destinations
APPLY xsb00xb5
- Apply an XPM PRSU in both units of DTC 0
APPLY xsb00xb5 in DTC 0
- Apply three PRSUs with one command
APPLY 'scb05ib5 | jpp28cb5 | xsb00xb5

ASSIGN Examples

- Activating an ACT PRSU
ASSIGN active y in prsuset scb00cb5
- Setting Apply On Reload (AOR) for XPM PRSUs
ASSIGN aor y in prsuset xsb01xb5 on dtc
- Assigning an upgrade load
ASSIGN upgrade_ld myload in destset ltc 0 0

- Preventing a PRSU from being auto-applied
ASSIGN custapp n in prsuset jpp28cb5
- Omitting a PRSU from the File Audit
ASSIGN fileaudit n in prsuset scb01cb5

DBAUDIT Examples

- Compares all destination databases with the PRSM database information on those destinations and updates the CM database for any discrepancies.
DBAUDIT
- Compares the PRSM database information on both units of LTC 7 with the information in LTC 7 and updates the CM database for any discrepancies.
DBAUDIT LTC 7

DISADMIN Examples

- Display information from a specific PRSU. Note that all copies of this PRSU are displayed.
DISADMIN jpp28cb5
- Display 3 PRSUs
DISADMIN 'scb05ib5 | jpp28cb5 | xsb00x05

FILEAUDIT Examples

- Clear is the only option that is supported. Clear attempts to clear file audit alarms.
FILEAUDIT clear

FREEMEM Examples

- Can only be used on SOS-based DESTs.
- Free memory for a specific PRSU in an ISN DEST.
FREEMEM sam00ib5 in ms 0

HELP Examples

- HELP* - display the top help panel
- HELP commands apply* - help for the apply command
- HELP previous* - go back to the previous panel
- HELP current* - display the current help panel
- HELP help* - learn how to use the help panels

ISTBAUDIT Examples

- Can only be used on XPM DESTs.
- Correct PAL discrepancies in a specific XPM
ISTBAUDIT ltc 0

REMOVE Examples

- Remove an ISN PRSU from MS 0
REMOVE scb05ib5 in MS 0
- Remove an XPM PRSU from all XPMs
REMOVE xsb00xb5
- Remove all debug PRSUs
REMOVE 'prsus where category = dbg

REPORT Examples

- Display information on a specific PRSU
REPORT PRSU jpp28cb5

- Display all PRSUs that start with the same 3 letters
REPORT PRSU jpp
- Display PRSUs with STATDATE on/after specified date
REPORT DATE 19970715
- Display all PRSUs that include a specified module
REPORT MODULE trapdefs
- Display all PRSUs for an ISN destination
REPORT DEST ms 0
- Display all PRSUs for a specific XPM destination
REPORT DEST ltc
REPORT DEST rcc 0 0
- Display all PRSUs that depend on a specific PRSU
REPORT DEPEND map08ct9

SELECT Examples

- Select all CM, ISN, and XPM PRSUs
SELECT informlist
- Select additional info on all PRSUs
SELECT informlist2
- Select site PRSUs (layer-id patches)
SELECT informsite
- Select all ACT PRSUs
SELECT activatable
- Select load names in each patchable device
SELECT informload
- Select names of non-patchable loads
SELECT nonprsmloads
- Select all PRSUs that are customer approved
SELECT prsuid custapp from prsuset prsus
'where custapp = y
- Select the removed PRSUs in DTC 4 unit 0
SELECT prsuid status from prsuset prsus +
'where status = r on dtc 4 0
- Select all destination information
SELECT alldests

VALIDATE Examples

- Validate an ISN PRSU in all applicable destinations
VALIDATE scb05ib5
- Validate an XPM PRSU in all applicable destinations
VALIDATE xsb00xb5
- Validate an XPM PRSU in both units of DTC 0
VALIDATE xsb00xb5 in DTC 0
- Validate three PRSUs with one command
VALIDATE 'scb05ib5 | jpp28cb5 | xsb00xb5

Building Sets and Select Definitions

- Static sets are built with the PRSMSET command.
- Dynamic set definitions are built with the SETDEF command.
- Dynamic select definitions are built with the

SELDEF command.

Create a static set of 2 PRSUs

PRSMSET create prsuset 'scb00cb5 | jpp28cb5

Create a static set of PRSUs at VA status

PRSMSET create prsuset 'prsus where status = va

Create a set definition of PRSUs at A on MS 0

SETDEF create prsuset 'prsus where status = a + on ms 0 name A_MS0

Create a set definition of dests with loadname eli09bc

SETDEF create destset 'dests where loadname = + eli0b9c name ELI09BCLOAD

Create a select definition for special application PRSUs

SELDEF create prsuid special from prsuset + 'prsus where special = y name SPECPRSUS

PRSM Command Syntax

From within PRSM, type *q <command>* to see the command syntax. For detailed information on the command, type *help commands <command>*.

Datafill

Table PRSMOPTS

DESTMETH: Specifies if PRSM is allowed to use broadcast as a PRSU distribution method.

Table AUTOOPTS

FILEALRM: Specifies if a minor EXT alarm is generated when the PRSM File Audit cannot find PRSU files for applied XPM PRSUs.

APPROVAL: Specifies the default value assigned to the CUSTAPP field for auto apply PRSUs.

MONDATA: Specifies whether or not to perform log monitoring. Also specifies the amount of time to monitor logs prior to AutoApp, the amount of time to monitor logs after AutoApp, and the percent increase in logs that is acceptable.

DURATION: Specifies the maximum number of minutes AutoApp is allowed to run.

MAXATMPT: Specifies the maximum number of PRSUs AutoApp should attempt to apply in a session.

DROPSYNC: Specifies whether or not to drop sync before AutoApp applies CM PRSUs.

MONDAY - SUNDAY: Specifies the time that the PRSM automated processes start for the given day.

MNTTIME: Specifies an estimated start time in which AutoApp begins applying PRSUs.

Table AUTOMON

LOGNAME: Specifies the log names that can be monitored before and after AutoApp.

LOGNUM: Specifies the log numbers corresponding to

the log names.

Table AUTOPRSU

MTWTFSS: Specifies which days of the week the given automated process is to run.

Table PRSMALRM

ALRMNAME: Specifies the alarm names that can be raised by the PRSM Status Audit.

ALRMCOND: Specifies the alarm condition (SETDEF) the Status Audit uses.

ALRMSEV: Specifies the alarm severity.

ENABLED: Specifies whether to check/set the alarm.

Table PADNDEV

Device-1: First device to search for PRSU files.

Device-2: Second device to search for PRSU files.

Device-3: Third device to search for PRSU files.

Note: No need to include SFDEV as a PADNDEV device. SFDEV is checked whether specified or not.

PRSM Logs

PRSM300: general trouble

PRSM301: PRSM file failure

PRSM302: file control problem

PRSM360: file audit failure

PRSM380: automated process failure

PRSM381: switch sanity failure

PRSM400: PRSM action summary

PRSM401: assignment summary

PRSM470: status audit summary

PRSM600: general information

PRSM603: PRSMOPTS table changes

PRSM650: PADN Download Summary

PRSM680: automated process information

PRSM681: AUTOPROC CI command

PRSM682: AUTOOPTS table change

PRSM683: AUTOPRSU table change

PRSM Automated Processes

The automated processes execute in the following order:

1. File Audit: searches for and validates new PRSUs found on PADNDEV devices, revalidates PRSUs in the missing_needs state and NV status, searches for missing applied XPM PRSU files (this search includes active PMLoads devices), searches for unequal PRSU files, runs daily.

2. Log pre-monitoring: if enabled, monitors logs datafilled in Table AUTOMON, determines if MONLIMIT is exceeded and if AutoApp should run.

3. AutoApp: applies PRSUs meeting autoapply criteria, applies CM first, then ISN, then XPM, runs on

days specified in Table AUTOPRSU.

4. Log post-monitoring: if enabled, monitors logs datafilled in Table AUTOMON, determines if MONLIMIT is exceeded and if the CM should be sync'd.

5. Status Audit: executes DBAUDIT, searches for alarmable conditions datafilled in Table PRSMALRM, generates appropriate alarms and logs, runs daily.

PRSM Output

The amount of PRSM output can be changed by ASSIGNing the response_level for a given PRSM session. The response level for PRSM sessions can be set by ASSIGNing the def_resp_level. Values are: quiet, brief, and verbose. Examples:

ASSIGN response_level verbose

ASSIGN def_resp_level quiet

Special Selects

Select the user_name, response_level, and connected status of each PRSM user

SELECT user_name response_level connected

Select the default response level for PRSM users

SELECT def_resp_level

Display the office clli and log office id

SELECT office_clli log_office_id

Special Symbols In Command Syntax

Special symbols can be used in most PRSM commands and sets.

	Logical OR	>=	Greater than or equal
&	Logical AND	<=	Less than or equal
=	Equal	>	Greater than
<>	Not equal	<	Less than
*	Wild card		

Use a single quote character before these special symbols.

Apply all PRSUs starting with initials JWA

*APPLY 'prsus where prsuid = jwa**

Select all PRSUs applied before January 1, 1996

SELECT prsuid appdate from prsuset 'prsus where appdate < 19960101

Select all PRSUs that are onhold and applied

SELECT prsuid destid from prsuset 'astat & + prsus_onhold

Remove three PRSUs

REMOVE 'scb00cb5 | scb01ib5 | scb02cb5

PRSM NTP

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