

## PRSU Statuses

PRSM maintains the status of each PRSU in every destination. To check the status of a PRSU use the REPORT and SELECT commands.

### Status Description

- **NV** - *Needs Validating*, indicates that a PRSU needs validating in the DEST. It is likely that this PRSU is valid in the DEST, but the PRSU has not been validated against the DEST.
- **VA** - *Validated for Application*, indicates if a PRSU can apply in the destination.
- **A** - *Applied*, indicates that the PRSU is currently applied in the destination.
- **R** - *Removed*, indicates that a PRSU has been removed from the destination.
- **NN** - *Not needed*, indicates a PRSU is not needed in a destination.

## Automated Processes

PRSM schedules processes that run automatically with no manual intervention. The processes are controlled via table AUTOOPTS and AUTOPRSU. The PRSM automated processes execute in the following order:

<b>File Audit</b>	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 (search includes active PMLoads devices), reports unequal PRSU files, runs daily.
<b>Log pre-monitoring</b>	If enabled, monitors logs datafilled in Table AUTOMON, determines if MONLIMIT is exceeded and if AutoApp should run.
<b>Autoapply</b>	Applies PRSUs meeting autoapply criteria, applies CM first, then ISN, and then XPM, runs on days specified in Table AUTOPRSU.
<b>Log post-monitoring</b>	If enabled, monitors logs datafilled in Table AUTOMON, determines if MONLIMIT is exceeded and if the CM should be synchronized.
<b>Status Audit</b>	Executes DBAUDIT, searches for alarmable conditions datafilled and enabled in Table PRSMALRM, generates appropriate alarms and logs, runs daily.

All processes may be started and stopped with the AUTOPROC command. Manual execution of PRSM maintenance commands and the automated processes are disallowed during System REX or Auto Dump.

## PRSM NTP

For more details on PRSM commands and procedures, refer to NTP 297-8991-540.

For an advanced reference guide to PRSM commands, refer to NTP 297-8991-542.

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## DMS-100 Family PRSM Basic Reference Guide



BASE11 and up      297-8991-541      Standard 05.01      August 1998

## PRSM HELP

- Extensive on-switch help facility is available for PRSM.
- Tree-structure implementation guides user through all PRSM functions.
- Each level provides a list of available subcommands for more detailed help.

## Navigating HELP

The PRSM HELP system is a collection of text panels grouped into levels.

Go to top HELP panel, and display the top HELP panel.

>help

Display HELP on the APPLY command.

>help commands apply

Display examples of the APPLY command.

>help commands apply examples

Display HELP on current panel.

>help current

Go back to previous HELP panel.

>help previous

## HELP Panel Highlights

<b>ALARMS</b>	Summary of alarm conditions
<b>COMMANDS</b>	PRSM command syntax and examples
<b>DEST</b>	DEST definition and examples
<b>ERRORS</b>	Common errors using the PRSM CI
<b>HELP</b>	How to use the HELP panels
<b>LOGS</b>	Summary of log categories
<b>PRSM_PROCESSES</b>	AUTOAPP, FILE_AUDIT, STATUS_AUDIT
<b>PRSU</b>	PRSU definition and special topics
<b>TABLES</b>	AUTOMON, AUTOOPTS, AUTOPRSU, PRSMALRM, PRSMOPTS, PADNDEV
<b>TRANSITION</b>	Patcher to PRSM command mapping table
<b>WHAT'SNEW</b>	Summary update of what is new or changed with this release of PRSM (i.e. new parameters, commands, etc.)

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# PRSM Basic Commands, Syntax, and Examples (with PATCHER Command Comparison)<sup>a</sup>

PATCHER Command	PRSM Command with Syntax <sup>b</sup>	PRSM Examples <sup>c, d</sup>	Example Description
<b>APPLY</b>	<b>APPLY</b> APPLY <prsu_set_def> [<IN dest_set_def>]	<ol style="list-style-type: none"> <li>1. APPLY scb05ib5</li> <li>2. APPLY xsb00x05</li> <li>3. APPLY xsb00x05 IN dtc 0</li> <li>4. APPLY 'scb05ib5   jpp28cb5   xsb00x05</li> </ol>	<ol style="list-style-type: none"> <li>1. Applies an ISN PRSU in all applicable DESTs.</li> <li>2. Applies an XPM PRSU in all applicable DESTs.</li> <li>3. Applies an XPM PRSU in both units of DTC 0.</li> <li>4. Applies three PRSUs with one command.</li> </ol>
<b>CHECK / DLCHECK</b>	<b>VALIDATE</b> VALIDATE <prsu_set_def> [<IN dest_set_def>] [<NODB>]	<ol style="list-style-type: none"> <li>1. VALIDATE dmn01ib5</li> <li>2. VALIDATE xmn01x05 IN ltc 0 0</li> <li>3. VALIDATE 'prsus where status = nv</li> </ol>	<ol style="list-style-type: none"> <li>1. Validates an ISN PRSU against all DESTs.</li> <li>2. Validates an XPM PRSU in LTC 0 unit 0.</li> <li>3. Validates all PRSUs with a status of NV.</li> </ol>
<b>DISPLAY</b>	<b>DISADMIN</b> DISADMIN <prsu_set_def>	<ol style="list-style-type: none"> <li>1. DISADMIN dmn01ib5</li> <li>2. DISADMIN 'scb05ib5   jpp28cb5   xsb00x05</li> </ol>	<ol style="list-style-type: none"> <li>1. Displays information on an ISN PRSU.</li> <li>2. Displays information on three PRSUs.</li> </ol>
<b>INFORM</b>	<b>SELECT</b> SELECT <fields> FROM PRSUSSET <prsu_set_def> SELECT <fields> FROM DESTSET <dest_set_def> SELECT <seldef_name>	<ol style="list-style-type: none"> <li>1. SELECT prsuid status FROM PRSUSSET prsus + 'where status = r on rcc 4 0</li> <li>2. SELECT prsuid appdate destid FROM + PRSUSSET 'prsus where appdate &lt; 19960101</li> <li>3. SELECT informlist</li> <li>4. SELECT alldests</li> <li>5. SELECT prsuid status category destid FROM + DESTSET DESTS 'where destid = dtc</li> </ol>	<ol style="list-style-type: none"> <li>1. Generates a report on the removed PRSUs in RCC 4 unit 0.</li> <li>2. Generates a report on all PRSUs applied before January 1, 1996.</li> <li>3. Generates a report on all CM, ISN, and XPM PRSUs.</li> <li>4. Generates a report on all DEST information.</li> <li>5. Generates a report with the specified fields on PRSUs in all DTCs.</li> </ol>
<b>INFORM</b>	<b>REPORT</b> REPORT PRSU <PRSU name> REPORT DEST <destid> REPORT DATE <yymmdd> REPORT DATE <yyyymmdd> REPORT MODULE <module name> REPORT DEPEND <PRSU name>	<ol style="list-style-type: none"> <li>1. REPORT PRSU jpp28cb5</li> <li>2. REPORT PRSU jpp</li> <li>3. REPORT DEST ms 0</li> <li>4. REPORT DATE 970310 REPORT DATE 19970310</li> <li>5. REPORT MODULE lstart</li> <li>6. REPORT DEPEND map08ct9</li> </ol>	<ol style="list-style-type: none"> <li>1. Outputs info on an individual PRSU.</li> <li>2. Outputs info on all PRSUs with initials JPP.</li> <li>3. Outputs info on DEST MS 0.</li> <li>4. Outputs info on all PRSUs applied on or after March 10, 1997.</li> <li>5. Outputs info on all PRSUs applied to a specific module.</li> <li>6. Outputs info on all PRSUs that depend on a specific PRSU.</li> </ol>
<b>MATCH / MATCHALL</b>	<b>DBAUDIT</b> DBAUDIT [<dest_set_def>]	<ol style="list-style-type: none"> <li>1. DBAUDIT</li> <li>2. DBAUDIT rcc</li> </ol>	<ol style="list-style-type: none"> <li>1. Compares all destination databases with PRSM database and updates discrepancies.</li> <li>2. Database audit all RCCs in the office.</li> </ol>
<b>PATCHEDIT patchid</b>	<b>ASSIGN</b> ASSIGN <field_name> <field_value> IN <prsm_set_def>	<ol style="list-style-type: none"> <li>1. ASSIGN active y IN PRSUSSET scb00cb5</li> <li>2. ASSIGN active n IN PRSUSSET scb00cb5</li> </ol>	<ol style="list-style-type: none"> <li>1. Activates an activatable PRSU.</li> <li>2. Deactivates an activatable PRSU.</li> </ol>
<b>REMOVE</b>	<b>REMOVE</b> REMOVE <prsu_set_def> [<IN dest_set_def>]	<ol style="list-style-type: none"> <li>1. REMOVE xsb00x05</li> <li>2. REMOVE scb05ib5 IN ms 0</li> <li>3. REMOVE 'prsus where category = dbg</li> </ol>	<ol style="list-style-type: none"> <li>1. Removes an XPM PRSU from all XPMs.</li> <li>2. Removes an ISN PRSU from MS 0.</li> <li>3. Removes all debug PRSUs.</li> </ol>
<b>SET / UNSET</b>	<b>ASSIGN</b> ASSIGN <field_name> <field_value> IN <prsm_set_def>	<ol style="list-style-type: none"> <li>1. ASSIGN upgrade_ld eli06bh IN DESTSET ltc 0 0</li> <li>2. ASSIGN aor n IN PRSUSSET xzs69x06</li> </ol>	<ol style="list-style-type: none"> <li>1. Used to change loadname during XPM upgrade on LTC 0 unit 0 to ELI06BH.</li> <li>2. Apply on reload field changed to "N". PRSU will not apply after reloading.</li> </ol>

a. This table includes only commands that correlate with Patcher commands. For an all-inclusive list of PRSM commands, refer to the PRSM NTP, 297-8991-540.

b. Note that any of the following can be used in place of <prsu\_set\_def>: a prsuid, a PRSMSET, a SETDEF, or a phrase defining a PRSUSSET.

Also note that any of the following can be used in place of <dest\_set\_def>: a destination, a PRSMSET, a SETDEF, or a phrase defining a DESTSET.

c. Note that a single quote (') must precede special characters. One quote per line is sufficient. Use a single quote as needed in the next line. Special characters are <, >, <>, >=, <=, =, |, &,\*.

Examples:

1. APPLY prsus where prsuid '= jwa\* (apply all PRSUs starting with initials JWA)
2. SELECT prsuid status category apptime appdate destname device unit FROM PRSUSSET prsus where status '= a + category '= act active = y on cm (selects all applied ACT category PRSUs which are activated on the CM)

d. The six-character format assumes current century.