



PRBS Command Reference

This chapter describes the commands to configure the PRBS.

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controller prbs

To configure prbs controller use the **controller odu opu prbs mode source pattern** command in the config mode.

controller odu *R/S/I/P* **opu prbs mode** *type pattern type*

no controller odu *R/S/I/P* **opu prbs mode** *type pattern type*]

| Syntax Description | |
|-----------------------|---|
| controller odu | Name of the controller . |
| <i>R/S/I/P</i> | Displays the Rack/Slot/Instance/Port of the controller. |
| opu prbs mode | OPU prbs mode. |
| pattern | Pattern of the source. |

Command Default None

Command Modes Config mode

| Command History | Release | Modification |
|-----------------|-----------------|------------------------------|
| | Release 5.2.4.6 | This command was introduced. |

Usage Guidelines To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

| Task ID | Task ID | Operation |
|---------|---------|-----------|
| | odu | write |

Example

The following example shows how to configure prbs.

```
RP/0/RP0:hostnamecontroller odU2 0/15/0/2 opu prbs mode source pattern pn11
```

show controllers

To display all the details of a PRBS, use the **show controllers** command in the exec mode.

show controllers *controller name R/S/I/P pm* [**current** | **history**] [**15-min** | **24-hour**] **prbs** *bucket number*

| Syntax Description | | |
|--------------------|------------------------|--|
| | <i>controller name</i> | Displays the name of the controller. |
| | <i>R/S/I/P</i> | Displays the interface instance of the controller. |
| | pm | Displays the performance monitoring details of the controller. |
| | current | Displays the current values of the controller. |
| | history | Displays the historical values of the controller. |
| | 15-min | Configures the 15 minute time interval for the PM parameters. |
| | 24-hour | Configures the 24 hour time interval for the PM parameters. |
| | prbs | Configures the prbs. |
| | <i>bucket number</i> | In case of history, it displays the bucket number. |

Command Default None

Command Modes System Admin EXEC

Command History

| Release | Modification |
|---------|-----------------------------|
| 5.2.4.6 | This command was introduced |

Usage Guidelines To use these commands in System Admin VM, you must be in a user group associated with appropriate command rules and data rules. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

| Task ID | Task ID | Operation |
|---------|---------|-----------|
| | otn | read |

Example

This example shows how to display the performance parameter of current values tab for 24 hour intervals:

```
RP/0/RP0:hostname # show controllers odu 0/2/0/0 pm current 24-hour prbs
```

This example shows how to display the performance parameter of history values tab for 24 hour intervals:

```
RP/0/RP0:hostname # show controllers odu2 0/4/0/10 pm history 24-hour prbs 1
```