

Configuring PRBS

This chapter describes the procedure to configure the PRBS.

- Understanding PRBS, on page 1

Understanding PRBS

Pseudo Random Binary Sequence (PRBS) feature allows users to perform data integrity checks on their encapsulated packet data payloads using a pseudo-random bit stream pattern. PRBS generates a bit pattern and sends it to the peer router that uses this feature to detect if the sent bit pattern is intact or not.

Configure PRBS Using CTC

Purpose	This task enables PRBS settings on the source and destination controllers of the circuit. PRBS can also be configured on the card.
Tools/Equipment	None
Prerequisite Procedures	"Login to CTC" in *System Setup and Software Installation Guide for Cisco NCS 4000 Series*
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

Procedure

Step 1 Perform Step 2 to provision PRBS on the NCS4K-4H-OPW-QC2 card. Else, proceed with Step 3.

Step 2 In the node view, double-click the card where you want to provision PRBS. The card view appears.

Continue with Step 6.

Step 3 In the network view, click the **OTN** > **Circuits** tabs.

Step 4 To discover the circuits, complete Discover a Circuit Using CTC.

Step 5 Select a circuit in ACTIVE state and click **Edit**.

The Edit Circuit dialog displays.

Step 6 Click the **Maintenance** > **PRBS Configuration** tabs.

Step 7 Set the admin state to OOS,MT for the source and destination controllers.

Step 8 From the Mode drop-down list, choose a mode.

Step 9 From the Pattern drop-down list, choose a pattern.

PN23 is not supported on the NCS4K-4H-OPW-QC2 card.

Step 10 Click **Apply**.

Stop. You have completed this procedure.