



Transcript – Upgrading the Cisco cBR Downstream PHY Module

In Cisco IOS-XE Release 3.sixteen.zero S, upgrade the downstream PHY module from D3.zero to D3.1 to enable DOCSIS 3.1 capability readiness.

(00:18)

Ensure that these tools and equipment are ready.

Follow these safety instructions before you begin.

Ensure that the Cisco cBR router is running Cisco IOS-XE Release 3.sixteen.zero S.

(00:40)

First, remove the RF line card by loosening the captive screws until the red bands are visible.

(00:54)

To disengage the RF line card from the chassis, pull the spring-loaded ejectors until they are perpendicular to the faceplate.

Slide the card out, by applying even pressure. Support the card with your hand as it slides out.

Place the card on an Antistatic mat or bag.



(01:16)

To prevent triggering of critical thermal alarms due to overheating of the individual components, you need to install the replacement RF line card or a line card blank in the vacated slot within three minutes.

(01:32)

To install the replacement RF line card or a line card blank, pull the spring-loaded ejectors until they are perpendicular to the faceplate.

Align the rails on the card with the chassis guide slot.

Support the card with your hand as you slide it into the slot. Do not use excessive force.

Pivot both the spring-loaded ejectors simultaneously towards the faceplate until they make contact with the faceplate.

Tighten the captive screws to a torque of 10 to 12 pound inch.

(02:18)

To remove the installed downstream D3.zero module from the RF line card, turn the two front, and the single rear retaining screws, in the counter-clockwise direction.

Gently lift the module up to separate it from the RF line card.

(02:44)

To install the new downstream D3.1 module, align the guide holes on the module with the guide pins on the RF line card.

Firmly press the module down to seat the connectors. Do not use excessive force.

Snug-tighten the front and rear retaining screws in the clockwise direction.

Tighten all the retaining screws to a torque of 8 pound inch.

(03:18)

Repeat this procedure to replace the other downstream PHY module on the RF line card.



(03:25)

Remove the replacement RF line card or the line card blank from the chassis.

(03:33)

And then install the upgraded RF line card in the chassis.

(03:42)

To check the firmware version of the Downstream D3.1 modules on the upgraded RF line card, use the **show cable card DS PHY display** command.

The command output should include G2 in the image info fields.

If G2 is not displayed, refer to the Upgrade guide for the Cisco cBR Converged Broadband Router.

(04:07)

For more information, refer to the Hardware Installation Guide for the Cisco cBR Converged Broadband Router at:

<http://www.cisco.com/web/techdoc/cable/cisco-cbr/index.html>