



# Tearing Down Sessions Before Deleting QAM Modulators

## Overview

### Introduction

Our engineers recommend that system operators who intend to delete a device in the QAM-family of modulators should first tear down sessions related to that device. If system operators delete a device in the QAM-family of modulators without first tearing down its related sessions, system performance may be impacted. The Digital Network Control System (DNCS) may waste valuable CPU time trying to associate these QAM-related sessions with a modulator that no longer exists on the system. A session without an associated QAM modulator device is known as an orphaned session.

**Note:** This recommendation pertains *only* to those instances when a device in the QAM-family of modulators is to be deleted. System operators do *not* have to first tear down sessions when replacing a device.

### Purpose

This bulletin serves to remind system operators to tear down sessions related to any modulator before deleting that modulator.

### Audience

This bulletin is written for system operators of the Digital Broadband Delivery System (DBDS). Field service engineers who help system operators manage their systems may also find the information in this bulletin to be useful.

### Scope

This bulletin pertains to all sites that run System Release 1.5 (including service packs) and later software.

## Document Version

This is the third formal release of this document. Revision A, published in 2002, pertained specifically to QAM and MQAM modulators. This version (Revision B) was modified so that it pertains to all devices in the QAM-family of modulators.

## Tearing Down QAM-Related Sessions

### Recommendation

System operators should always tear down sessions related to the device in the QAM-family of modulators before deleting that device from the DNCS. If system operators fail to tear down modulator-related sessions before deleting the modulator, the session auditing processes on the DNCS may waste valuable CPU resources trying to associate the orphaned sessions with a modulator that no longer exists.

**Note:** This recommendation does not pertain to those instances when a system operator is only replacing a device.

Follow the instructions in the online help on the DNCS for procedures to tear down sessions related to the specific device in the QAM-family of modulators.

**Important:** System operators who delete a device in the QAM-family of modulators from the DNCS without first tearing down its related sessions will need to call Cisco Services for assistance in removing the orphaned sessions.

## For Information

### If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.



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