Introduction

This document discusses the Universal Switching Module (UXM) Rmt Alarms (Yellow) errors.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

This document is not restricted to specific software and hardware versions.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Error Definition

This error applies to the IGX UXM with OC3, T3, E3, T1, and E1 backcards.

The yellow alarm also is known as a remote alarm indication (RAI) signal. The alarm transmits in the outgoing direction when a terminal determines the incoming signal is lost. The yellow alarm returns to the transmitting terminal to indicate the receiving terminal has lost the signal.

For a T1 with extended superframe format (ESF), the yellow alarm is a repetitive 16-bit pattern that consists of eight ones followed by eight zeros (1111111100000000).

For an E1, the yellow alarm is relayed using the remote alarm bit in timeslot 0 of frame alignment sequence (FAS).

For a T3, the yellow alarm is relayed by setting all X-bits to zero.

If the local `dptrks` screen indicates a trunk is in `Rmt Alarms (YEL)`, the remote IGX `dptrks` screen for the trunk typically has one of these alarms:
Loss of Sig (Red)
- AIS (Blu)
- Out of Frms (Red)

**Error Example**

The likely location of equipment errors is highlighted in yellow.

Troubleshoot

Troubleshoot the other end of the trunk, which may be experiencing one of these alarms:

- Loss of Signal (LOS)
- Alarm Indication Signal (AIS)
- Out of Frms (Red)

If the problem persists after performing the troubleshooting steps, please contact Cisco Technical Support at (800) 553–24HR, (408) 526–7209, the Cisco Technical Support Website, or send an e-mail to tac@cisco.com.

**Related Information**

- More UXM Trunk Alarm Types
- WAN Switching Network Synchronization Fundamentals
- International Telegraphy Union (ITU) Recommendation G.704
- Cisco WAN Switching Solutions – Cisco Documentation
- Guide to New Names and Colors for WAN Switching Products
- Software Center – WAN Switching Software
- Technical Support – Cisco Systems