During Connection Rerouting CPE Receives Alarm Indicator Signaling LOS

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Introduction

The customer premises equipment (CPE) receives an alarm indicator signal (AIS) that shows a loss of signal (LOS) during connection rerouting.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

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

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

Product Affected

BPX 8.4 − AXIS 4.0/CESM

Description

A problem occurred during connection rerouting on a BPX switch. The Circuit Emulation Service Module (CESM) receives an under−run for a few milliseconds, so it sends an AIS signal (all 1s), as per the Circuit Emulation (CE) standard.

Because it operates in unframed mode, this AIS signal does not contain any framing bits. This can cause problems such as loss of frame (LOF) at the CPE. Therefore, the problem is determined not to be due to the rerouting mechanism.

Workaround

In case of short under−runs, increasing the cell delay variation (CDV), or the egress bufsize, can be used as a workaround. However, this also introduces that much delay. The maximum value for the CDV can be 65,535 microseconds.

Related Information

- **Cisco WAN Switching Solutions**
- **Guide to New Names and Colors for WAN Switching Products**
- **Technical Support & Documentation − Cisco Systems**

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