

E1 Error Event Troubleshooting Flowchart

Document ID: 14161

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Introduction

This document provides information about how to troubleshoot the E1 error event.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

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

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

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

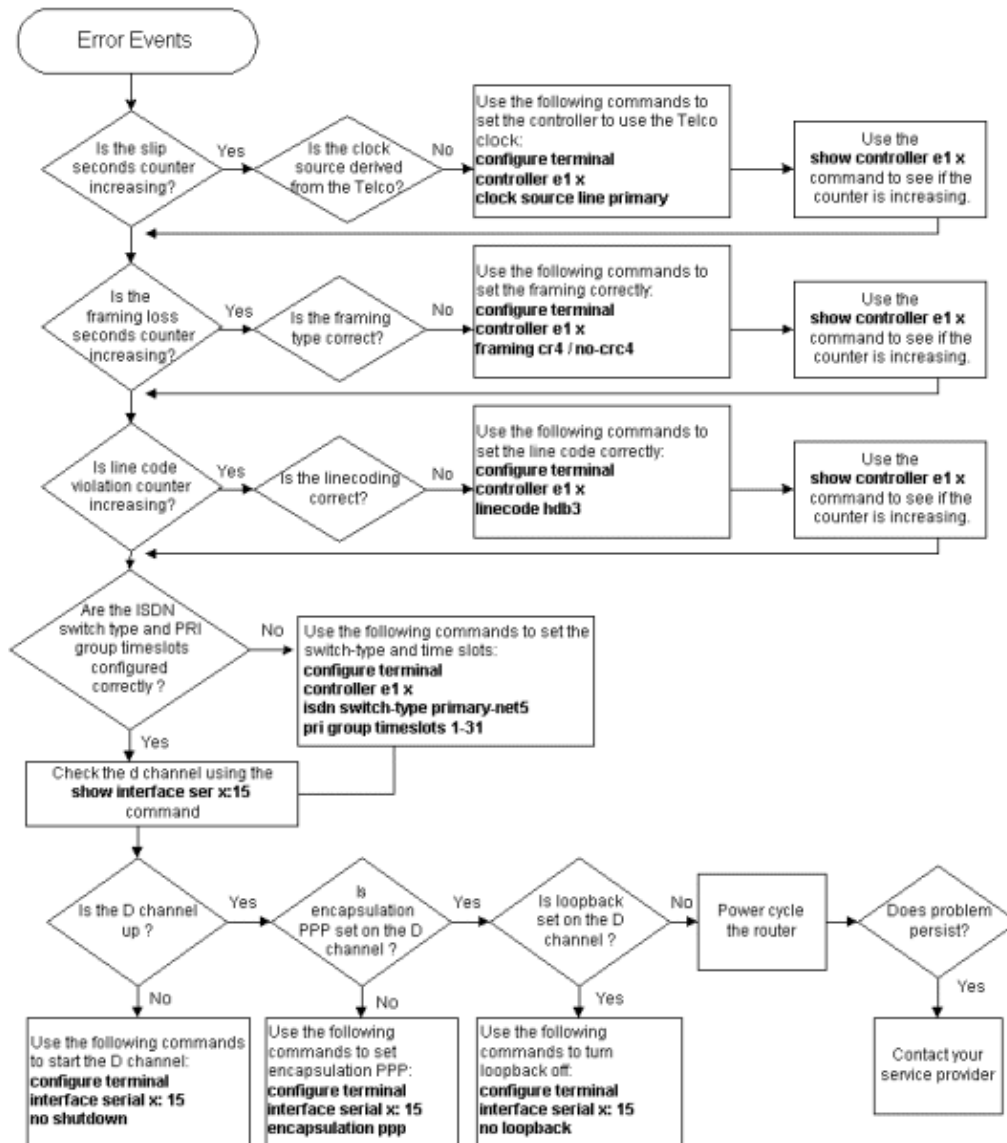
Background Information

For more information about the Error Events chart, click these links that correspond to the command boxes in the graphic:

- The box Configure terminal controller e1x clock source line primary links to the *Slip Secs Counter Increasing* section of E1 Error Events Troubleshooting.
- The box Use the show controller e1x command links to the *Introduction* section of E1 Error Events Troubleshooting.
- The box Configure terminal controller e1x framing cr4 / no-crc4 links to the *Framing Loss Seconds Increasing* section of E1 Error Events Troubleshooting.
- The box Configure terminal controller e1x framing cr4 / no-crc4 links to the *Line Code Violations Increasing* section of E1 Error Events Troubleshooting.
- The box Configure terminal controller isdn switch-type primary-net5 links to the *Verifying the isdn switch-type and pri-group timeslots Configuration* section of E1 Error Events Troubleshooting.
- The box Check the d channel using the show interface ser x:15 command links to the *Verifying the*

Signaling Channel section of E1 Error Events Troubleshooting.

- The box Configure terminal interface serial x:15 no shutdown links to the *Verifying the Signaling Channel* section of E1 Error Events Troubleshooting.
- The box Configure terminal interface serial x:15 encapsulation ppp links to the *Verifying the Signaling Channel* section of E1 Error Events Troubleshooting.
- The box Configure terminal interface serial x:15 no loopback links to the *Verifying the Signaling Channel* section of E1 Error Events Troubleshooting.



Related Information

- [E1 Troubleshooting](#)
- [E1 Layer 1 Troubleshooting](#)
- [E1 Alarm Troubleshooting](#)
- [E1 PRI Troubleshooting](#)
- [Hard Plug Loopback Test for E1 Lines](#)
- [Technical Support & Documentation – Cisco Systems](#)

