MOP for Ceragon E1/DS1 excessive BER on port Fault management

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A. Introduction

This document outlines the step-by-step process involved in Ceragon E1/DS1 excessive BER on port Fault management

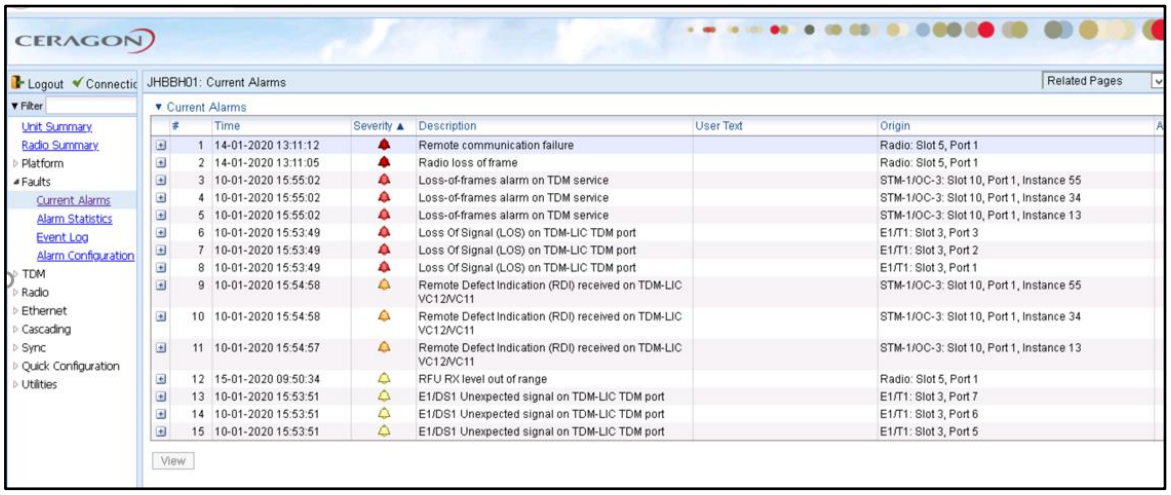
B. PRE-CHECK

- *Node must be reachable then need to proceed to the next step else need to arrange filed support with local login accessories & spare hardware such LIC-T16 ACR.*
- *PCM path or end to end media path along with port details should be available.*

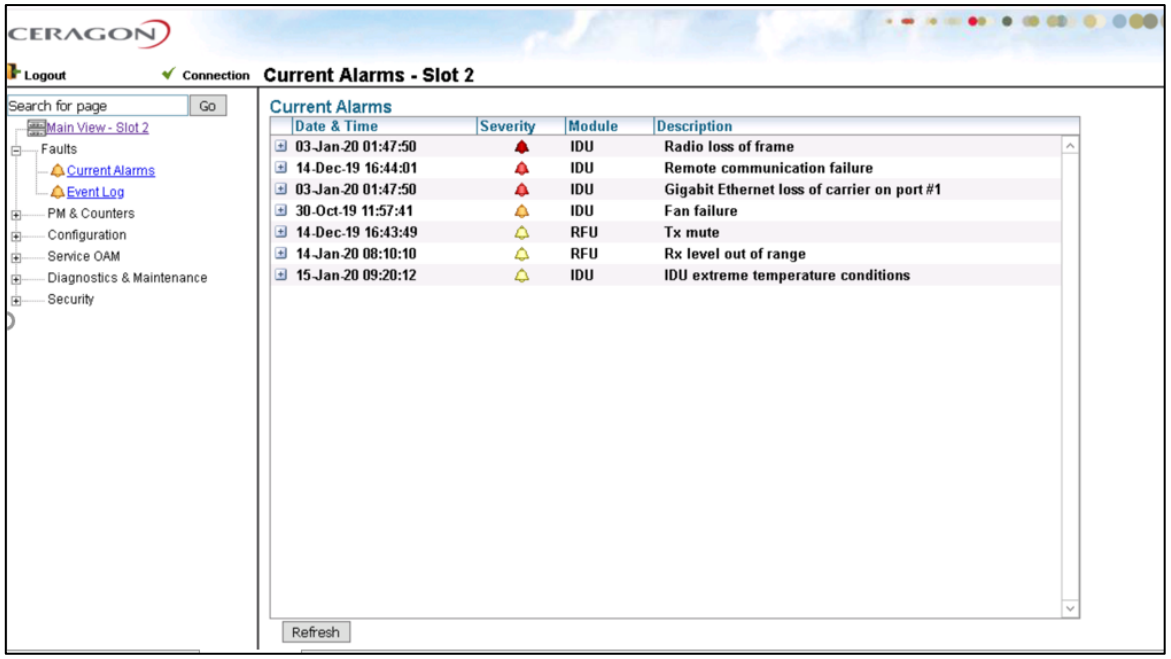
❖ *Please note that the method of procedure is prepared as the current scenario, available devices, and deployed software version. So activity steps and impact can vary depending upon the scenario.*

Current Alarms before activity

IP20:-



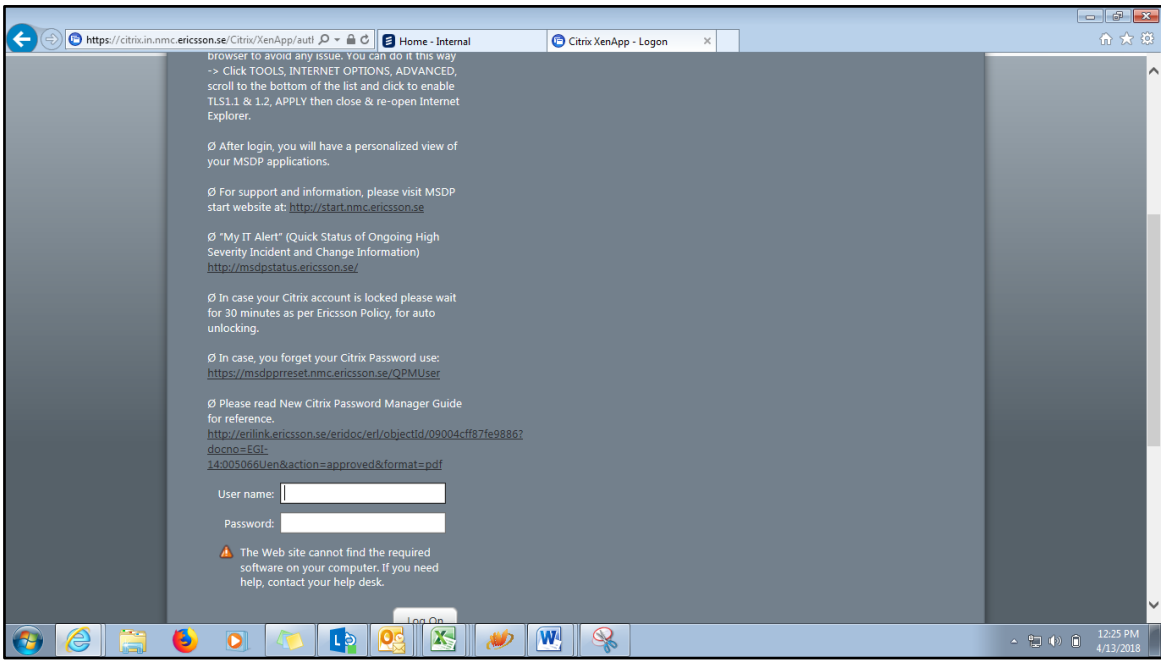
IP10:-



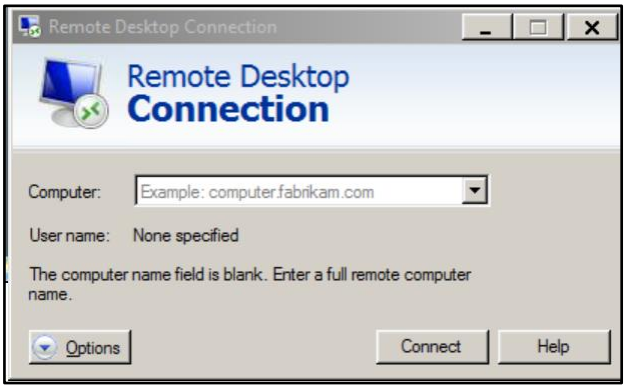
C. Procedure:

STEPS FOR Ceragon E1/DS1 excessive BER on port alarm clearance

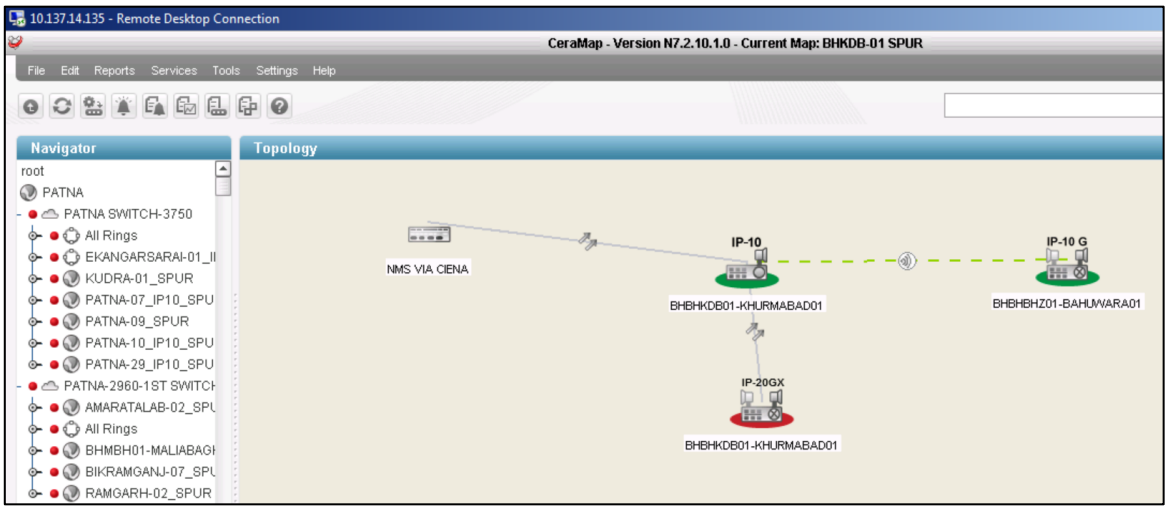
- ***Login MSDP through below mentioned link.***
  https://citrix.in.nmc.ericsson.se/
- ***Provide CITRIX username and password.***



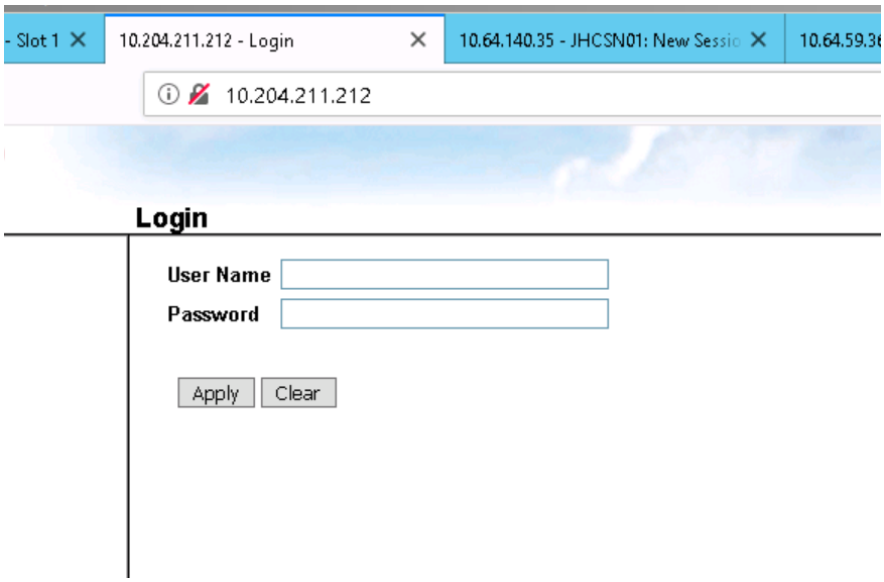
- ***Clink on Main > Xenapp6.5 > Bharti Noida >Bharti INNO Remote Desktop Client.***



- ***Now login the RDP with RDP IP & credentials.***
- ***Launch the Cera map & login with credentials.***



- ***Search the required Node ID in Cera Map & open the node by clicking on Open Node GUI.***
- ***Login Ceragon NODE locally via web browser through IP.***
- ***Provide IDU username and password.***



Principle:

The E1/DS1 excessive BER on port alarm indicates Electrical port is down.

Possible Causes:

1) Line is not properly connected.

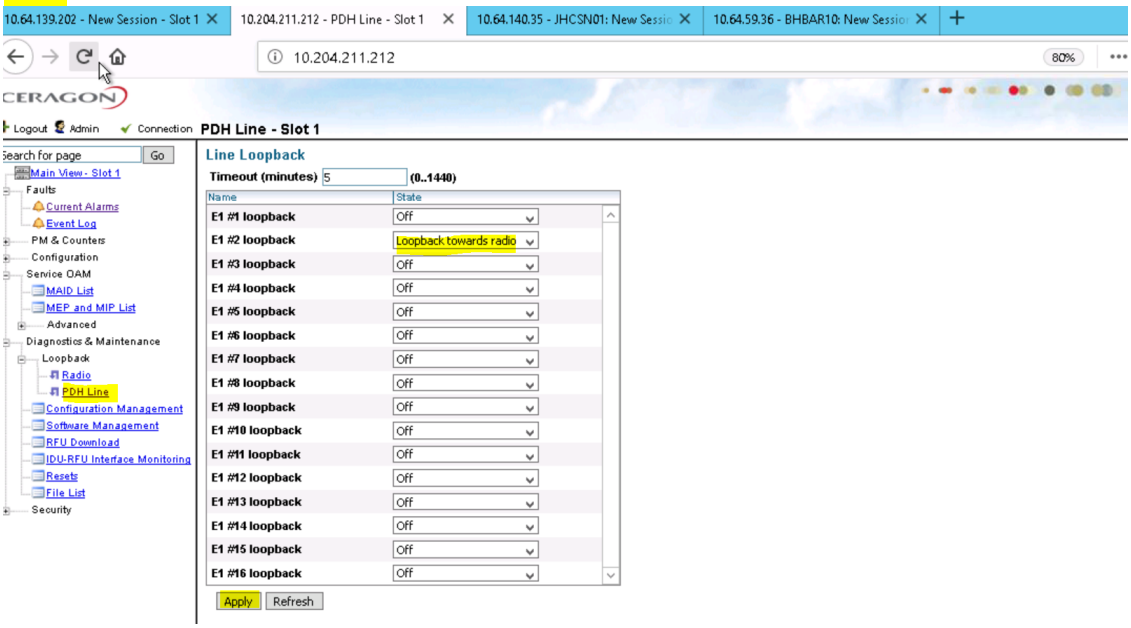
2) External equipment is faulty.

Steps for alarm clearance:

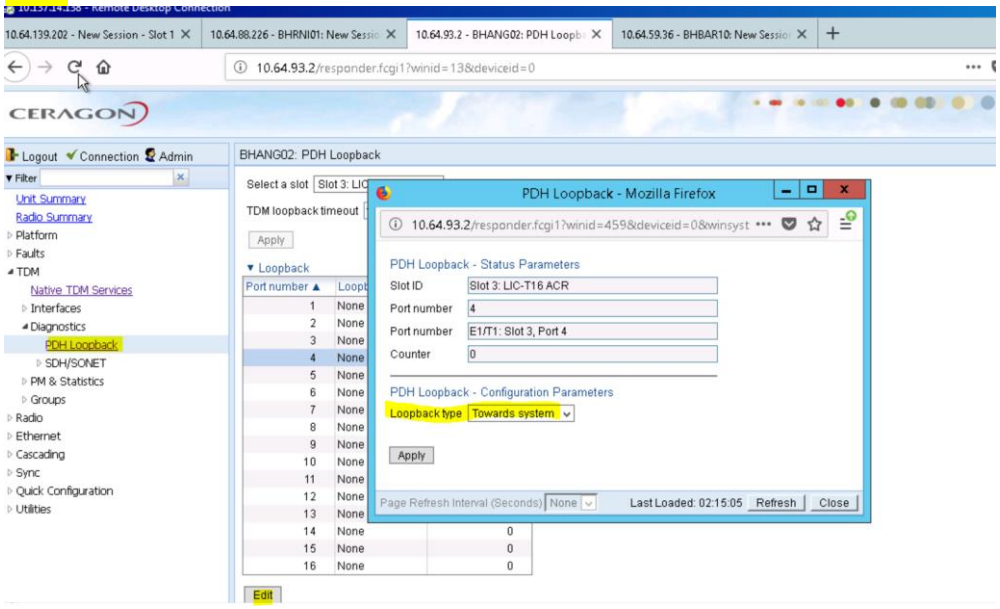
- ***For IP-10 Go to Diagnostics and maintenance>Loopback>PDH Line.***
  For IP20 Go to TDM > Diagnostics>PDH Loopback

- ***For IP-10 Select E1 & select Loopback towards radio then apply***
  For IP20 Select E1, Click on edit & select Loopback type towards system then apply

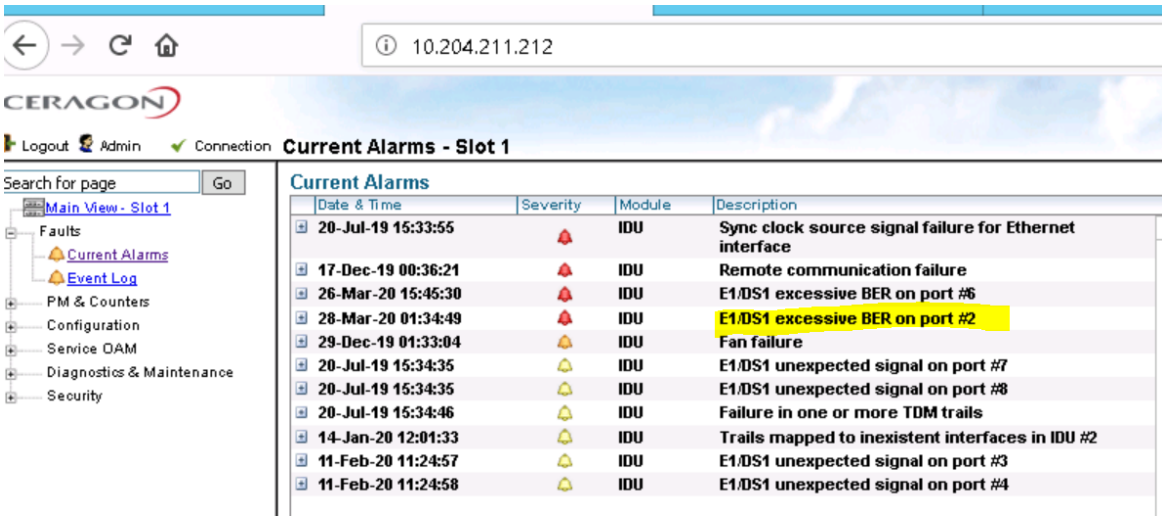
IP-10

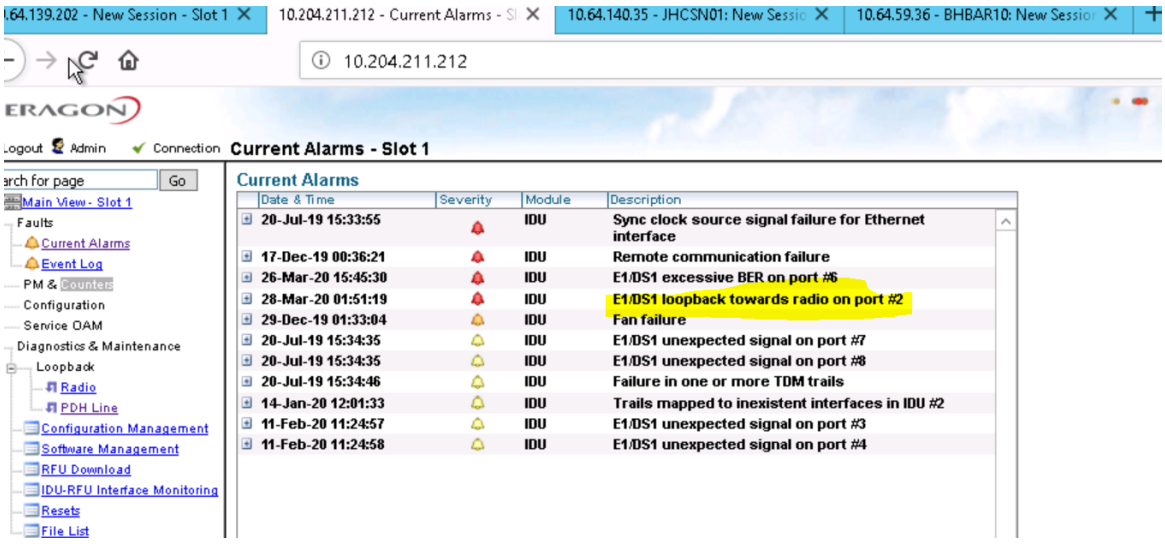


IP-20



- ***If alarm cleared then need to check hard loop from field on E1***
- ***If alarm also cleared during hard loop then need to re-patching E1 or check connected equipment.***





- ***If alarm not cleared during PDH Line/Hard Loop then need to change E1 port***

D. Post Activity Health Check:

Need to check the service status & E1 related alarm.

E. Fall Back Procedure: -

NA