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MOP for Ceragon Excessive BER on TDM-LIC STM1/OC3 port Fault management

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A. Introduction

This document outlines the step-by-step process involved in Ceragon Excessive BER on TDM-LIC STM1/OC3 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-T155 ACR.
- PCM path or end to end media path along with port details should be available.

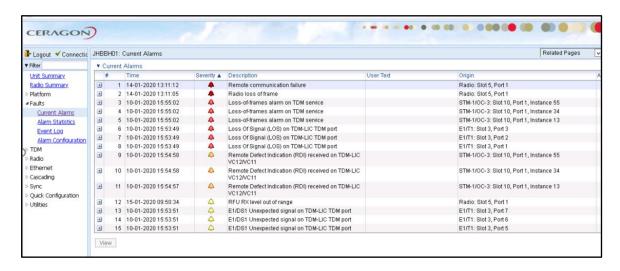
Please note that the method of procedure is prepared as the current scenario, available devices, and deployed software version. So activity steps and impact can vary depending upon the scenario.

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Current Alarms before activity

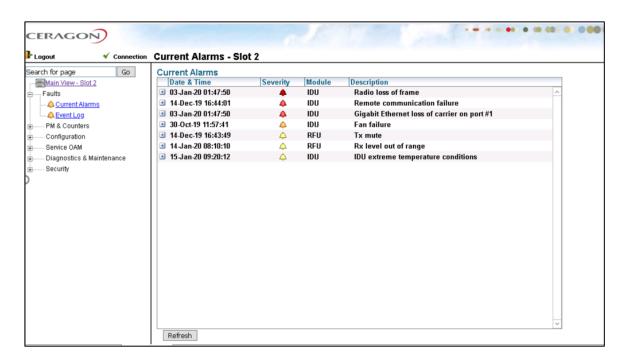
IP20:-



IP10:-

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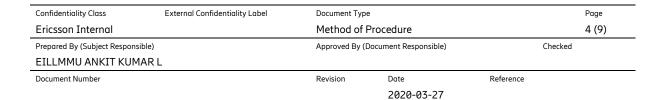




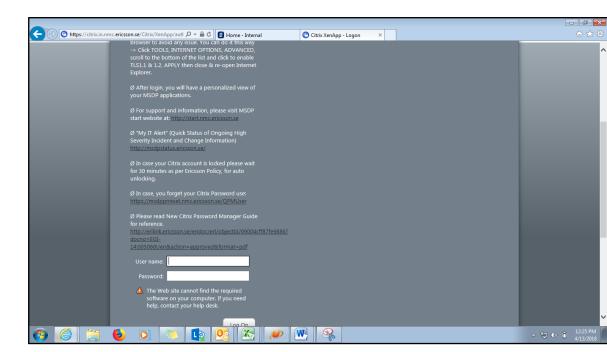
C. Procedure:

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.



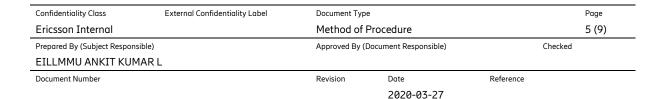




Clink on Main > Xenapp6.5 > Bharti Noida > Bharti INNO Remote Desktop Client.

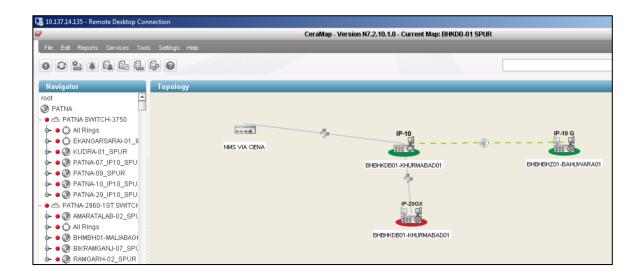


- Now login the RDP with RDP IP & credentials.
- Launch the Cera map & login with credentials.





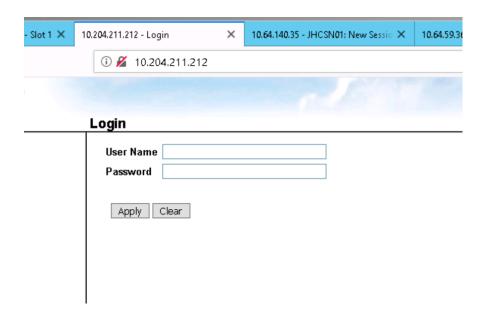




- Search the required Node ID in Cera Map & open the node by clicking on Open Node GUI.
- Login Ceragon NODE locally via web browser through IP.
- Provide IDU username and password.

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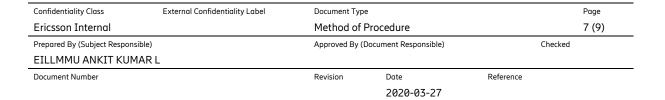


Principle:

The Excessive BER on TDM-LIC STM1/OC3 port alarm indicates STM port is down.

Possible Causes:

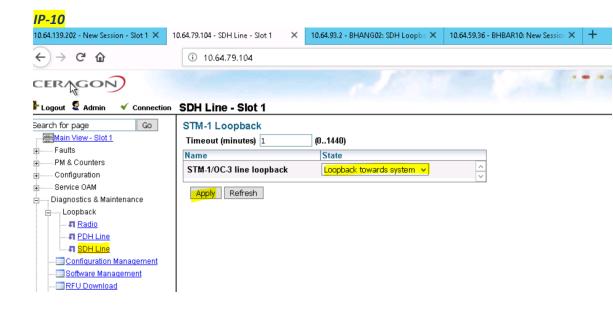
- 1) Line is not properly connected.
- 2) External equipment is faulty.

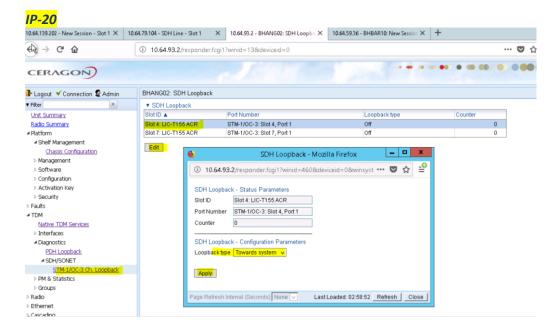


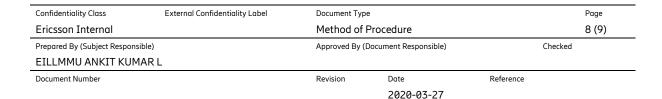


Steps for alarm clearance:

- For IP-10 Go to Diagnostics and maintenance>Loopback>SDH Line.
 For IP20 Go to TDM > Diagnostics>SDH/SONET>STM-1/OC-3 Ch. Loopback
- For IP-10 Select Loopback towards system then apply.
 For IP20 Select Card, Click on edit & Loopback type towards system then apply

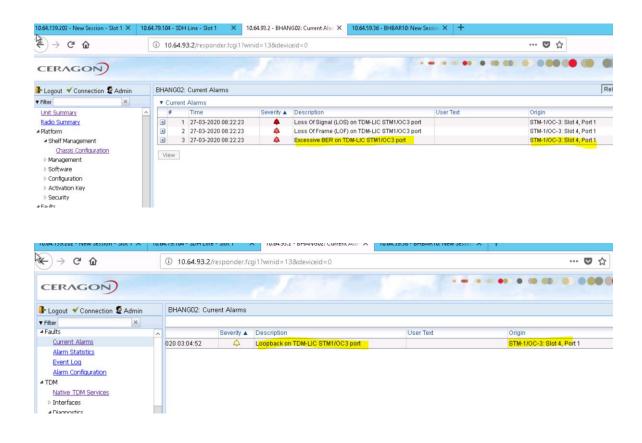








- If alarm cleared then need to check hard loop from field on STM
- If alarm also cleared during hard loop then need to replace patch-cord or check connected equipment.



• If alarm not cleared during Soft/Hard Loop then need to change slot or card

D. Post Activity Health Check:

Need to check the service status & STM related alarm.

E. Fall Back Procedure: -

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