Confidentiality Class	External Confidentiality Label	Document Type			Page	
Ericsson Internal		Method of	Method of Procedure			
Prepared By (Subject Responsible)		Approved By (Document Responsible)		Checked	Checked	
EILLMMU ANKIT KUMAR L						
Document Number		Revision	Date	Reference		
			2020-3-27			



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

Table of contents:

- A Introduction
- B <u>Pre-check</u>
- C <u>Procedure</u>
- D <u>Post Activity Health check</u>
- E <u>Fall Back Procedure</u>

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.

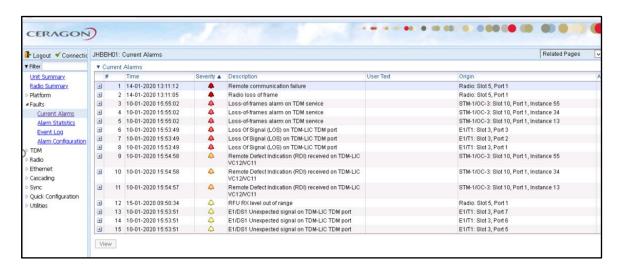
Please note that the method of procedure is prepared as the current scenario, available devices, and deployed software version. So activity steps and impact can vary depending upon the scenario.

Confidentiality Class	External Confidentiality Label	Document Type			Page	
Ericsson Internal		Method of		2 (8)		
Prepared By (Subject Responsible)		Approved By (Document Responsible)		Chec	Checked	
EILLMMU ANKIT KUMAR L						
Document Number		Revision	Date	Reference		
			2020-03-27			

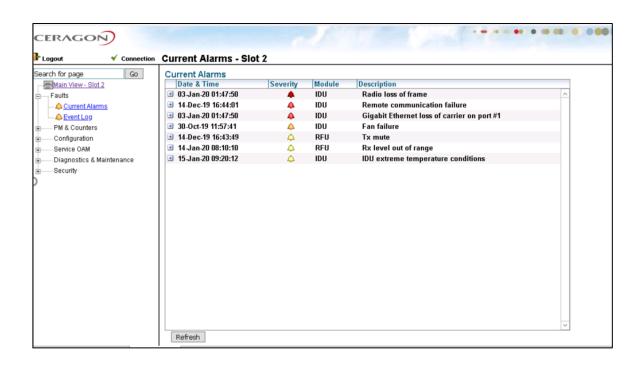


Current Alarms before activity

IP20:-



IP10:-



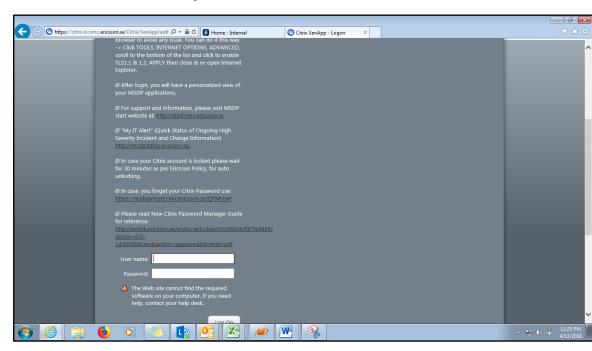
Confidentiality Class	External Confidentiality Label	Document Type			Page	
Ericsson Internal		Method of		3 (8)		
Prepared By (Subject Responsible)		Approved By (Document Responsible)		Chec	Checked	
EILLMMU ANKIT KUMAR L						
Document Number		Revision	Date	Reference		
			2020-03-27			



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.

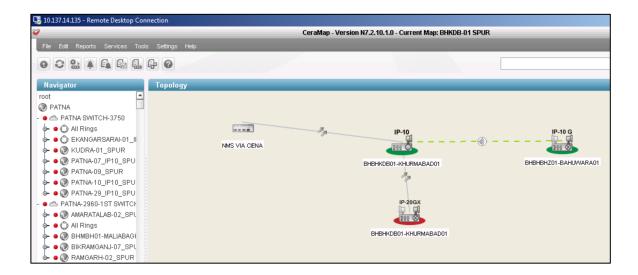


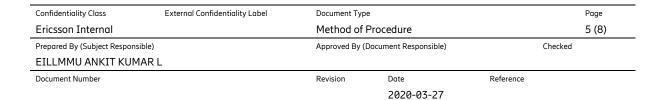
Confidentiality Class	External Confidentiality Label	Document Type			Page	
Ericsson Internal Method of I		Procedure		4 (8)		
Prepared By (Subject Responsible)		Approved By (Document Responsible)		Checked	Checked	
EILLMMU ANKIT KUMAR L						
Document Number		Revision	Date	Reference		
			2020-03-27			



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

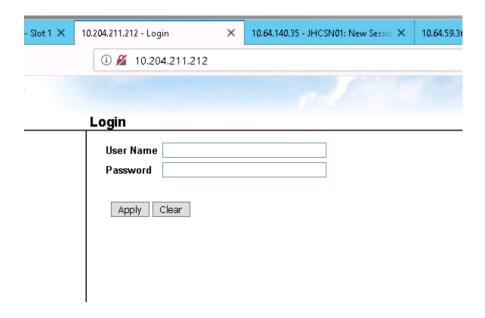








- Search the required Node ID in Cera Map & open the node by clicking on Open Node GUI.
- Login Ceragon NODE locally via web browser through IP.
- Provide IDU username and password.

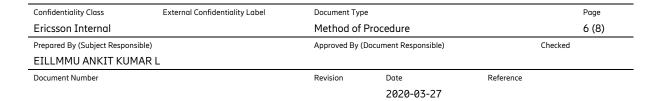


Principle:

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

Possible Causes:

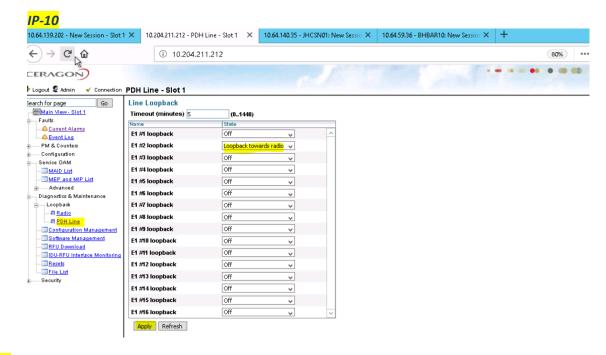
- 1) Line is not properly connected.
- 2) External equipment is faulty.

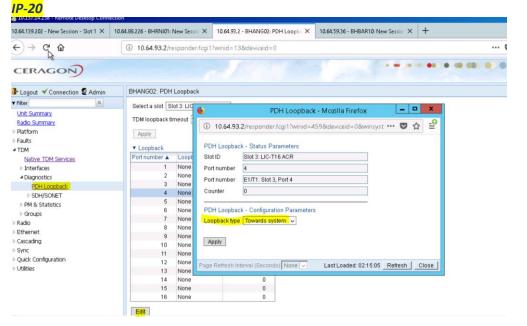


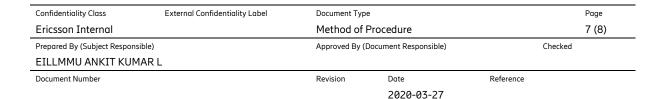


Steps for alarm clearance:

- 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

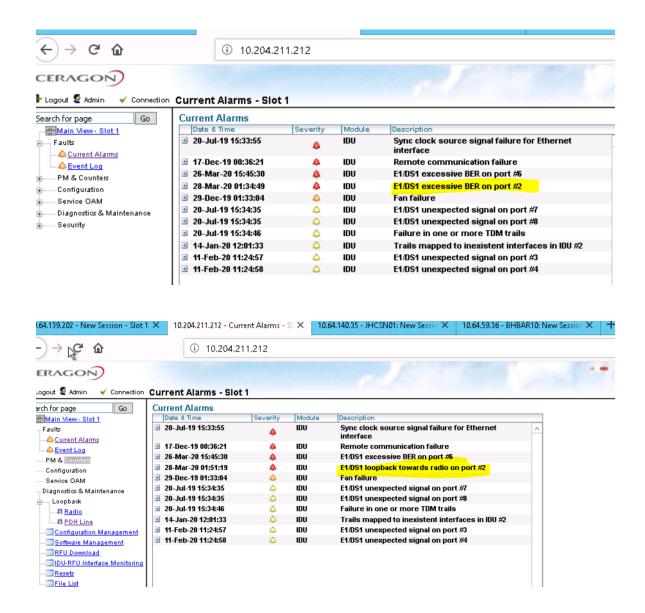








- If alarm cleared then need to check hard loop from field on E1
- If alarm also cleared during hard loop then need to re-patching E1 or check connected equipment.



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

Confidentiality Class	External Confidentiality Label	Document Type Page		
Ericsson Internal		Method of Procedure		8 (8)
Prepared By (Subject Responsible)		Approved By (Document Responsible)		Checked
EILLMMU ANKIT KUM	AR L			
Document Number		Revision	Date	Reference
			2020-03-27	



D. Post Activity Health Check:

Need to check the service status & E1 related alarm.

E. Fall Back Procedure: -

NA