Confidentiality Class	External Confidentiality Label	Document Type		Page
Ericsson Confidential		Activity Description		1 (7)
Prepared By (Subject Responsible)		Approved By (Document Responsible)	Checked	
ESARSOV Sourav Sarkar				
Document Number		Revision	Date	Reference
			2020-03-30	

Remote Defect Indication (RDI) received on TDM-LIC VC12/VC11

Table of contents:

A. Introduction

This document outlines the step-by-step process involved in Ceragon Remote Defect Indication (RDI) received on TDM-LIC VC12/VC11

RDI is a special type of alarm signal that a Network Element (within a Telecom/Datacom application) will generate and transmit (back towards upstream Network Equipment) anytime it detects some sort of servicing-affect defect within the signal from that same upstream Network Equipment.

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 Confidential		Activity Description		2 (7)
Prepared By (Subject Responsible)		Approved By (Document Responsible)	Checked	
ESARSOV Sourav Sarkar				
Document Number		Revision	Date	Reference
			2020-03-30	

*Current Alarms before activity*

IP20 & IP10:-

A. Procedure:

STEPS FOR Ceragon Remote Defect Indication (RDI) received on TDM-LIC VC12/VC11

STEPS FOR LAG configuration activity:-

1. Login MSDP through below mentioned link.
https://citrix.in.nmc.ericsson.se/

2. Provide CITRIX username and password.

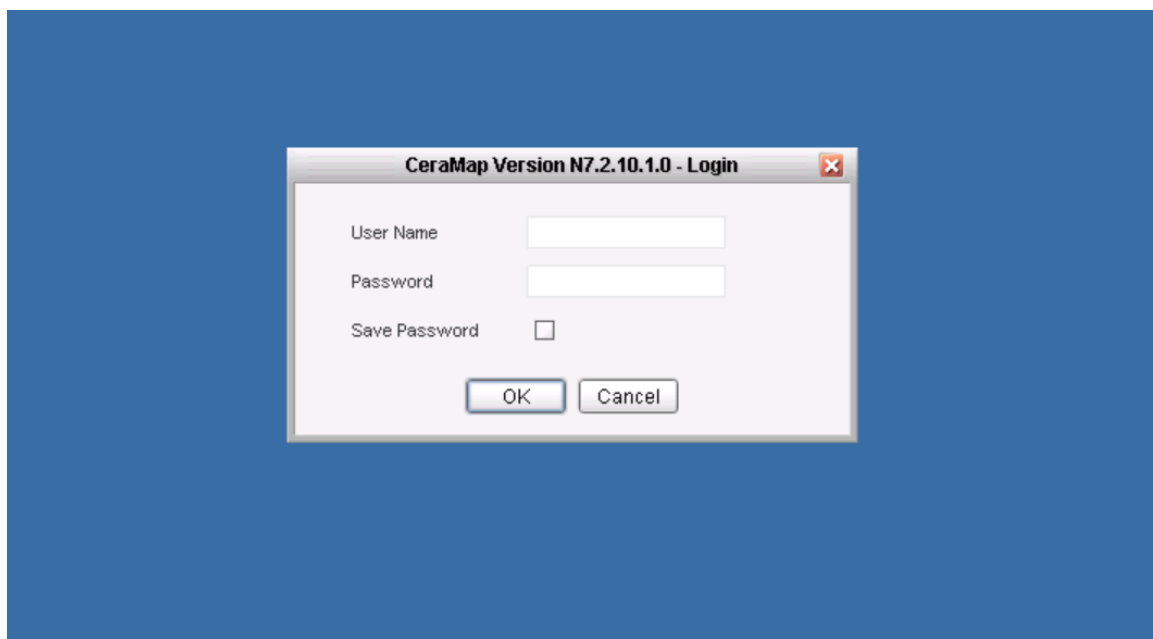| Confidentiality Class	External Confidentiality Label	Document Type		Page
Ericsson Confidential		Activity Description		3 (7)
Prepared By (Subject Responsible)		Approved By (Document Responsible)	Checked	
ESARSOV Sourav Sarkar				
Document Number		Revision	Date	Reference
			2020-03-30	
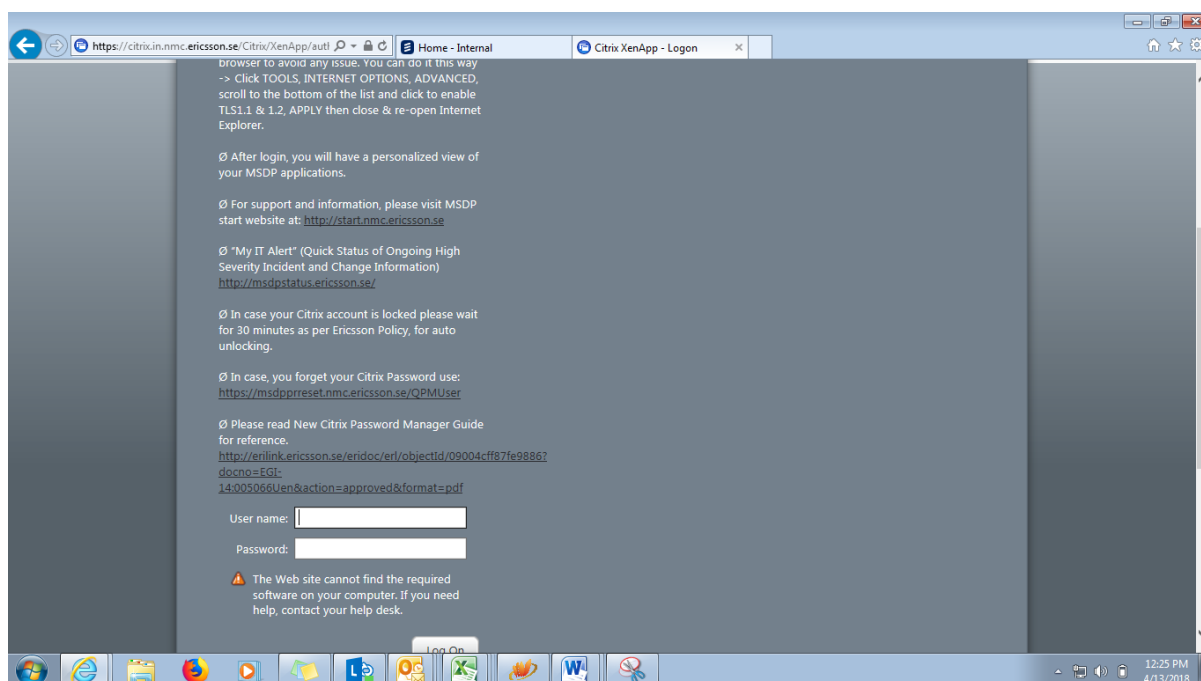
3. Click on "Xenapp6.5 >> Main > Xenapp6.5 > BhartiNoida > Transmission > Ceragon > Ceragon7.2.10
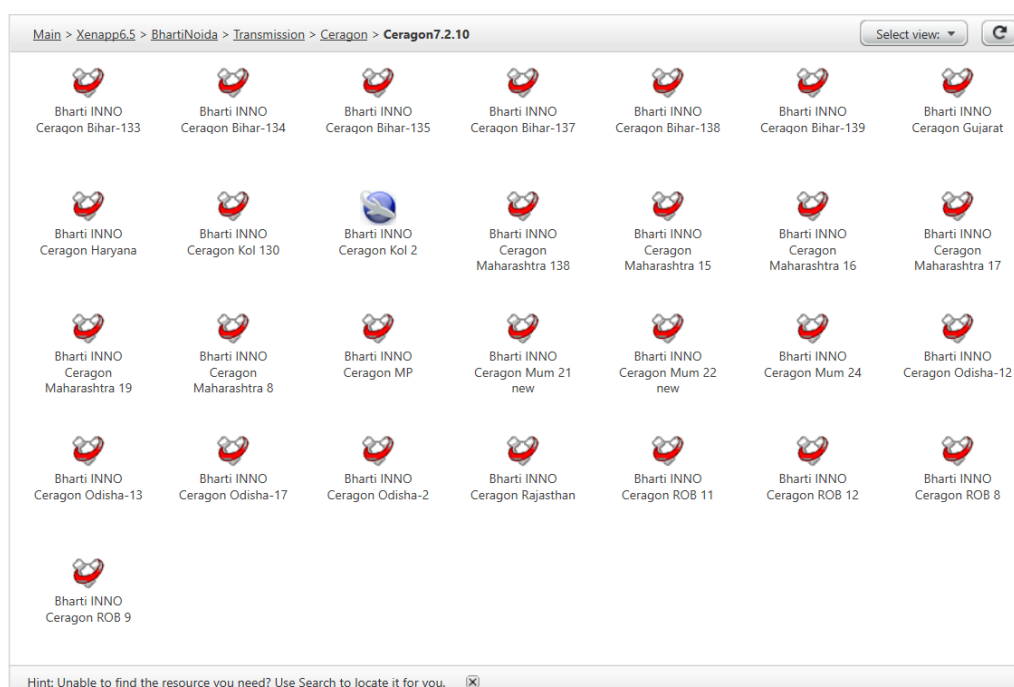
Confidentiality Class	External Confidentiality Label	Document Type		Page
Ericsson Confidential		Activity Description		4 (7)
Prepared By (Subject Responsible)		Approved By (Document Responsible)		Checked
ESARSOV Sourav Sarkar				
Document Number		Revision	Date	Reference
			2020-03-30	

*4. Now Ceragon is launched enter the credentials and server IP of the circle must log in.*

5. Click on "Main Topology" to open the Topology.
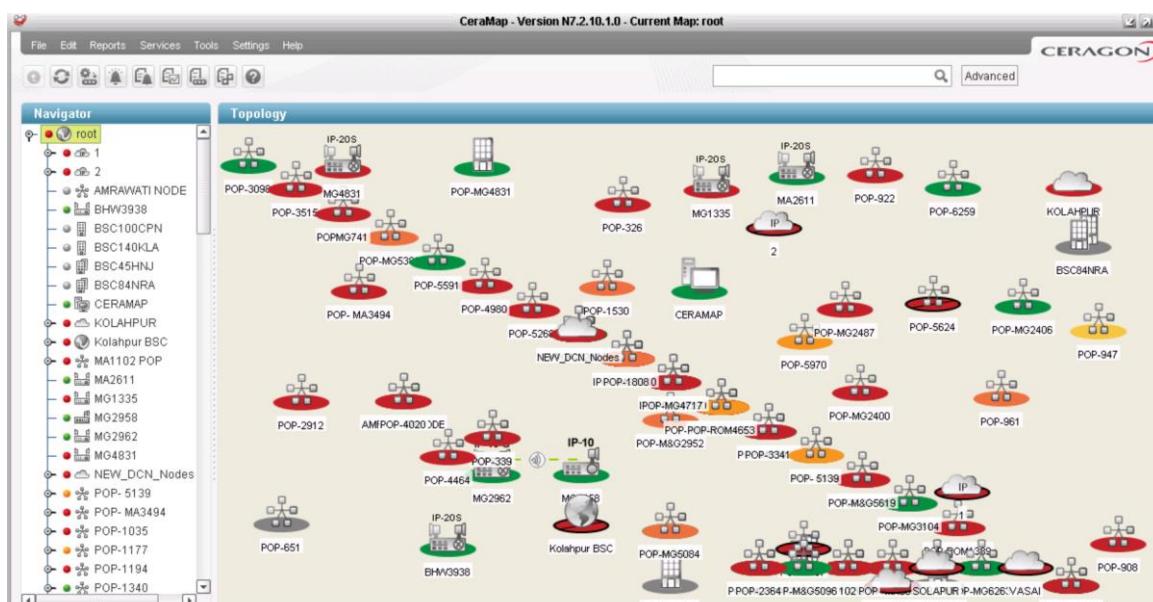
6. Type node name/IP to "FIND" to find the node.

Confidentiality Class	External Confidentiality Label	Document Type		Page
Ericsson Confidential		Activity Description		5 (7)
Prepared By (Subject Responsible)		Approved By (Document Responsible)	Checked	
ESARSOV Sourav Sarkar				
Document Number		Revision	Date	Reference
			2020-03-30	
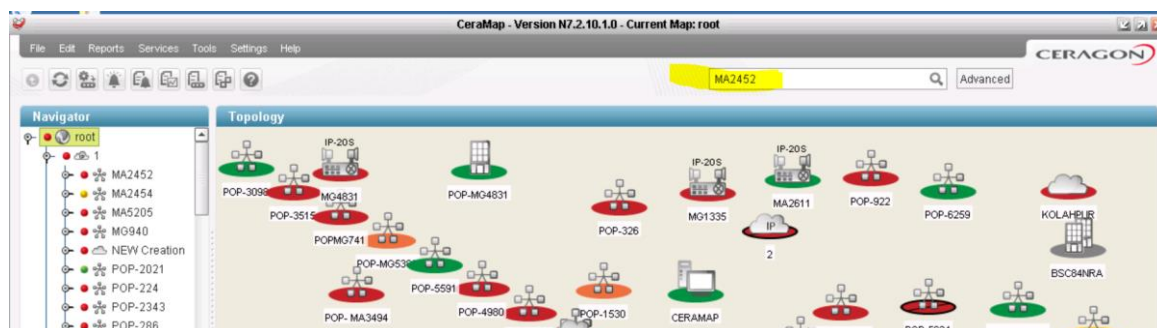
- *Provide IDU username and password.*

<u>*Principle:*</u>

Confidentiality Class	External Confidentiality Label	Document Type		Page
Ericsson Confidential		Activity Description		6 (7)
Prepared By (Subject Responsible)		Approved By (Document Responsible)	Checked	
ESARSOV Sourav Sarkar				
Document Number		Revision	Date	Reference
			2020-03-30	

Remote Defect Indication (RDI) received on TDM-LIC VC12/VC11 alarm indicates STM port particular VC is down.

<u>*Possible Causes:*</u>

1. *Line is not properly connected*

   A>Reconnect line
   B>Check line cables.

2. *External equipment is faulty*

   A> Check external equipment
   B>Power cycle the TDM-LIC.

<u>*Steps for alarm clearance:*</u>

Stated differently, the Network Element (NE) will transmit the RDI indicator (upstream) at the same time (and under the same conditions) that it will transmit the AIS signal downstream.

- *For IP-10 Go to Diagnostics and maintenance>Loopback>SDH Line.*
- *For IP20 Select Card, Click on edit & Loopback type towards system then apply*

IP10:-

- *For IP-10 Select Loopback towards radio then apply.*

Confidentiality Class	External Confidentiality Label	Document Type		Page
Ericsson Confidential		Activity Description		7 (7)
Prepared By (Subject Responsible)		Approved By (Document Responsible)	Checked	
ESARSOV Sourav Sarkar				
Document Number		Revision	Date	Reference
			2020-03-30	

IP20:-

For IP20 Go to TDM > Diagnostics>SDH/SONET>STM-1/OC-3 Ch. Loopback
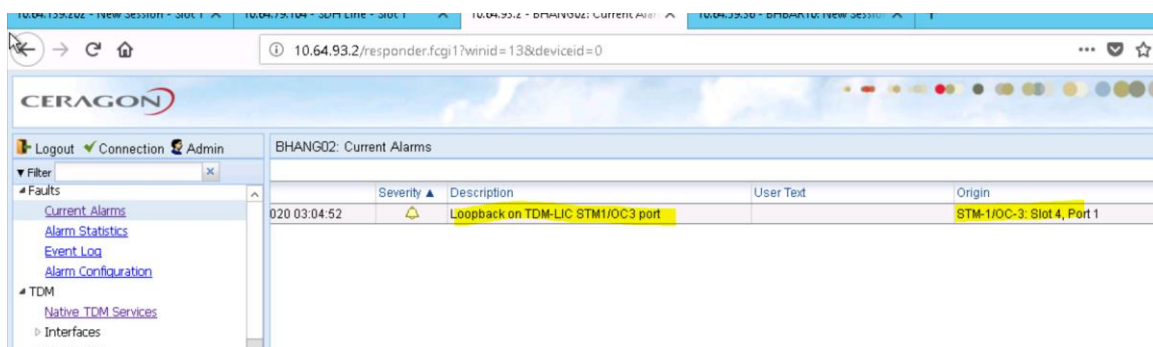
- *If alarm cleared then need to check hard loop from field on STM/Electrical E1 port If alarm also cleared during hard loop then need to replace patching cable or check connected equipment.*

- *If alarm not cleared during Soft/Hard Loop then need to change slot /card/patching cable and E1 port.*

A. Post Activity Health Check:

Please check alarm will be clear and services also restored and confirm services status from all stakeholder

B. Fall Back Procedure: -

NA