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# MOP - SFP TX Power Low at LTU2_155 OEM Ericsson

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## A: Introduction

This document outlines the systematic process involved in SFP TX Power Low at LTU2_155 alarm clearance on node.

## B: PRECHECK

1. Check if impacted site node ping is available, if not align FE immediately.
2. If FE alignment required, he should be having required hardware.
3. FE should be having necessary software on his laptop, necessary node login tools.
4. Please check to have complete PCM path i.e. POP node to issue node.
5. Please take manual backup of traffic routing, in worst case cross connection may be deleted.
6. If partial outage is there from any node, and while rectification activity, other sites also can go down for time being, ensure to have proper approval for outage window for all dependent sites for working node.

## C: Procedure

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

2. Provide CITRIX username and password.
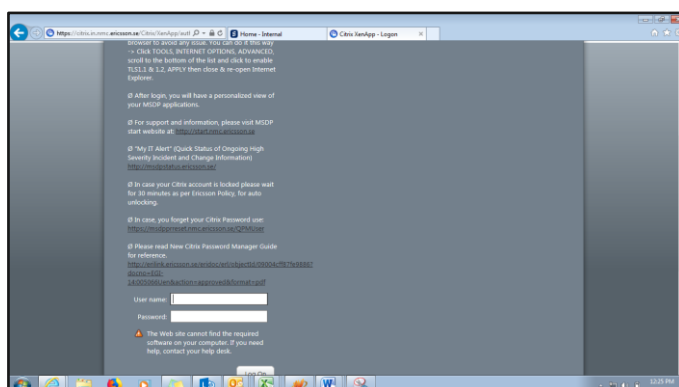
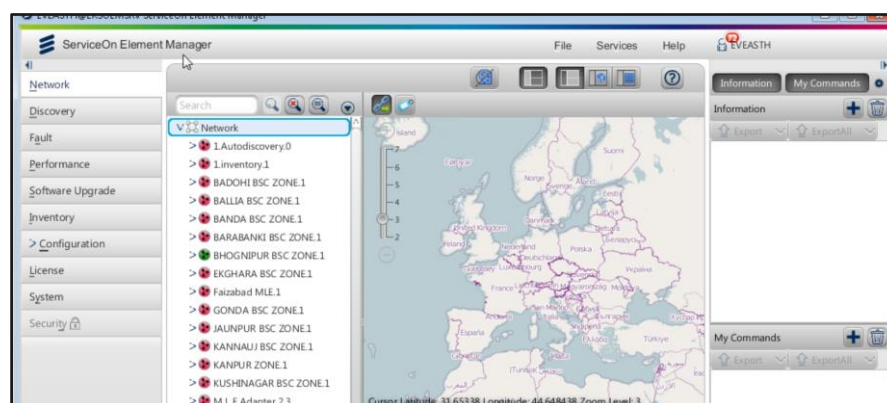| Confidentiality Class | External Confidentiality Label | Document Type | | Page |
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**3.** Clink on <u>Main</u> > <u>Xenapp6.5</u> > **Bharti Noida >Bharti INNO Remote Desktop Client.**



4. Now login the RSG with RSG IP & credentials.

5. Launch the GUI & login with credentials.
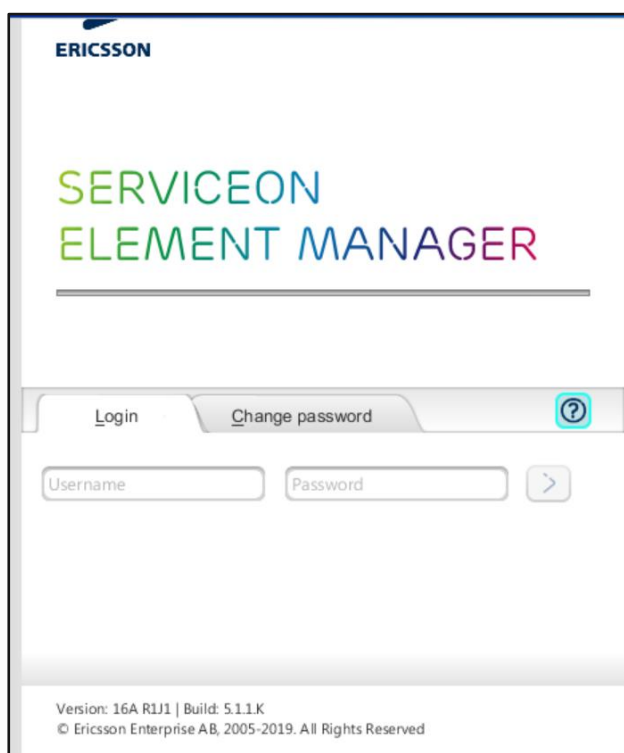
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6. **Search the required Node ID in GUI &** If node is managed, then open node using SO-EM GUI or directly from Mini-Link Craft using node IP.
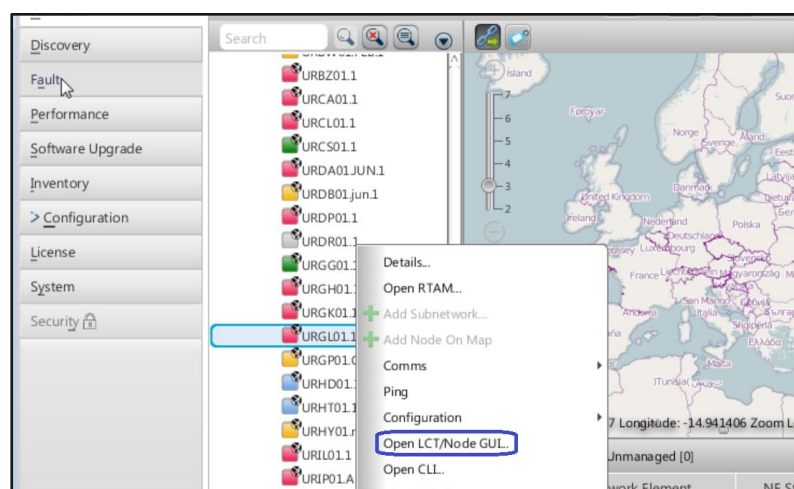
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7. Check the alarms on the node.

Example Node having alarm



8. Check the SFP configuration, if configuration is incorrect then need to correct the same and check alarm status.

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9. Check the software compatibility of the LTU card, LTU software must be compatible with Baseline.



10. Perform JOJI the SFP and check the alarm status, if alarm cleared the monitor the alarms.

11. If alarm is not cleared, perform cleaning on patch chord and check alarm status.

12. If alarm not cleared, replace the SFP module with compatible SFP with LTU and monitor the alarms.

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## Compatible SFP List:

| Product number | Description | MMU2 E & F | LTU2 155 | MMU3 B |
|---|---|---|---|---|
| RDH 901 20/29902[10] R4A | SFP S-1e electrical -5/+85C | 3.2 | 4.4FP.2 | 5.3 |
| RDH 901 20/20213 R4A | SFP S-1.1 1310nm -5/+85C | 3.2 | 4.4FP.2 | 5.3 |
| RDH 901 20/B0213 R4A | SFP S-1.1 1310nm -40/+85C | - | 4.4FP.2 | - |
| RDH 901 20/B0228 R4A | SFP L-1.1 1310nm -40/+85C | 4.4FP.2 | 4.4FP.2 | 5.3 |
| RDH 901 20/B1424 R4A | SFP L-1.2 1550nm -40/+85C | 4.4FP.2 | 4.4FP.2 | 5.3 |
| RDH 901 20/B1424 R4A | SFP L-1.2 1550nm -40/+85C | 4.4FP.2 | 4.4FP.2 | 5.3 |
| RDH 102 48/20 | SFP BiDi FE/STM1 1550nm/1310nm -40/+85C | - | 4.4FP.2 | - |
| RDH 102 48/21 | SFP BiDi FE/STM1 1310nm/1550nm -40/+85C | - | 4.4FP.2 | - |
| RDH 901 20/81028 R4A | SFP L-1/4/16.2C GE CWDM 1470 80KM 0/+70C | - | 4.4FP.2 | - |
| RDH 901 20/81128 R4A | SFP L-1/4/16.2C GE CWDM 1490 80KM 0/+70C | - | 4.4FP.2 | - |
| RDH 901 20/81228 R4A | SFP L-1/4/16.2C GE CWDM 1510 80KM 0/+70C | - | 4.4FP.2 | - |
| RDH 901 20/81328 R4A | SFP L-1/4/16.2C GE CWDM 1530 80KM 0/+70C | - | 4.4FP.2 | - |
| RDH 901 20/81428 R4A | SFP L-1/4/16.2C GE CWDM 1550 80KM 0/+70C | - | 4.4FP.2 | - |
| RDH 901 20/81528 R4A | SFP L-1/4/16.2C GE CWDM 1570 80KM 0/+70C | - | 4.4FP.2 | - |
| RDH 901 20/81628 R4A | SFP L-1/4/16.2C GE CWDM 1590 80KM 0/+70C | - | 4.4FP.2 | - |
| RDH 901 20/81728 R4A | SFP L-1/4/16.2C GE CWDM 1610 80KM 0/+70C | - | 4.4FP.2 | - |

## D: Post Check

1. Check alarm should be cleared from node.

2. No new alarm should be generated on node.

3. All services should be restored.

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## E: Fall Back Procedure

Since MOP is for clearing alarm so Fall-back procedure is not required.

*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.in that case we will further communicate.*