

Confidentiality Class	External Confidentiality Label	Document Type	Page
Ericsson Internal		Method of Procedure	1 (7)
Prepared By (Subject Responsible)	Approved By (Document Responsible)	Checked	
EWZAAEP K Durai			
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## MOP- Traffic System Failure alarm clearance OEM Ericsson

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### A: Introduction

This document outlines the systematic process involved in clearing Traffic System Failure 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 take all configurations backup by manually as well report.
5. Please take manual back up of traffic routing.
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.
7. If seems to outage happened due to rectifying alarm, we should need a SA CR.

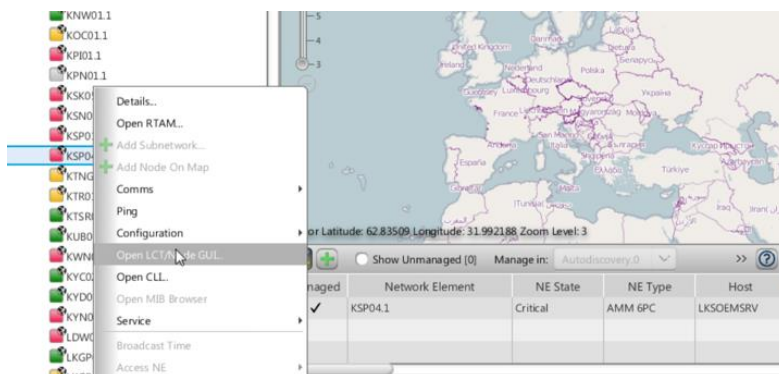
### C: Procedure

Alarm Description: Error on one of the TDM Bus Sync planes. The error is caused by either an internal configuration fault or a Hardware fault.

1. If node is managed, then open node using SO-EM GUI or directly from Mini-Link Craft using node IP.

Login via SO-EM GUI

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Login via craft



MINI-LINK Craft 19.Q4

NE Filter: IMKHW3 (192.168.184.10)

IP/Host: 192.168.124.145

User: admin\_user

Password: ••••••••

SNMP Authentication: MD5

SNMP Privacy: None

Logging on...

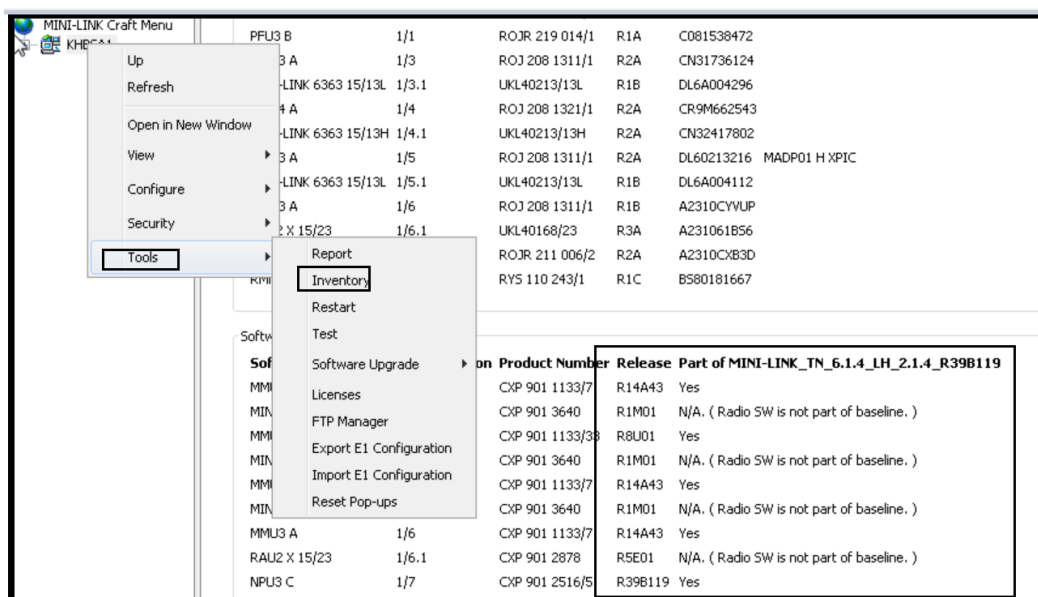
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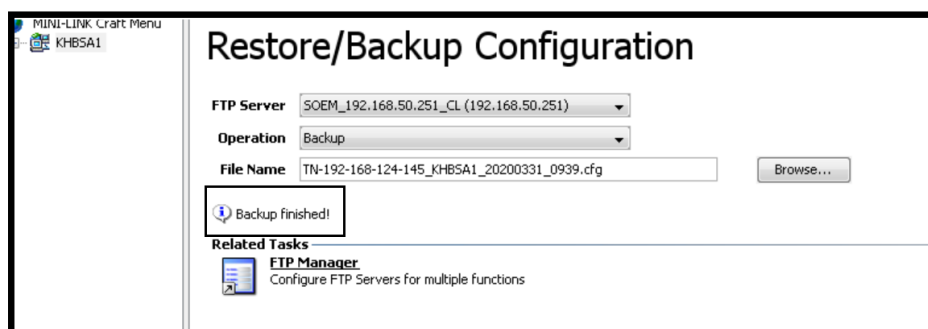
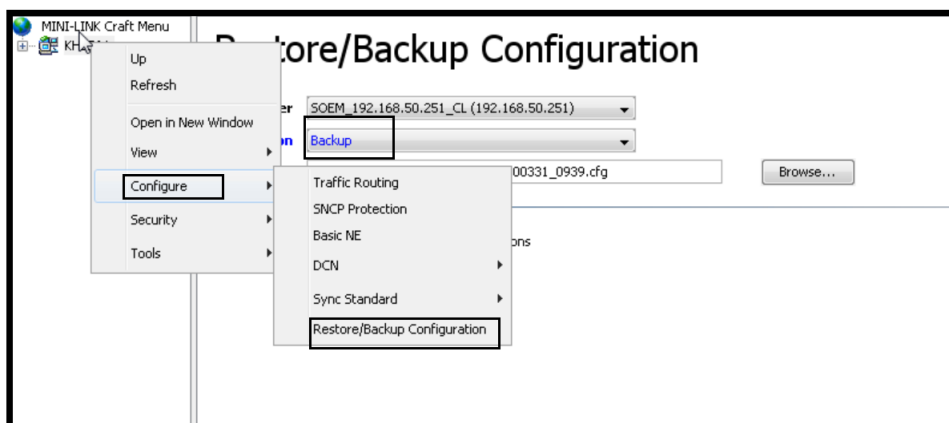
Example Node having alarm



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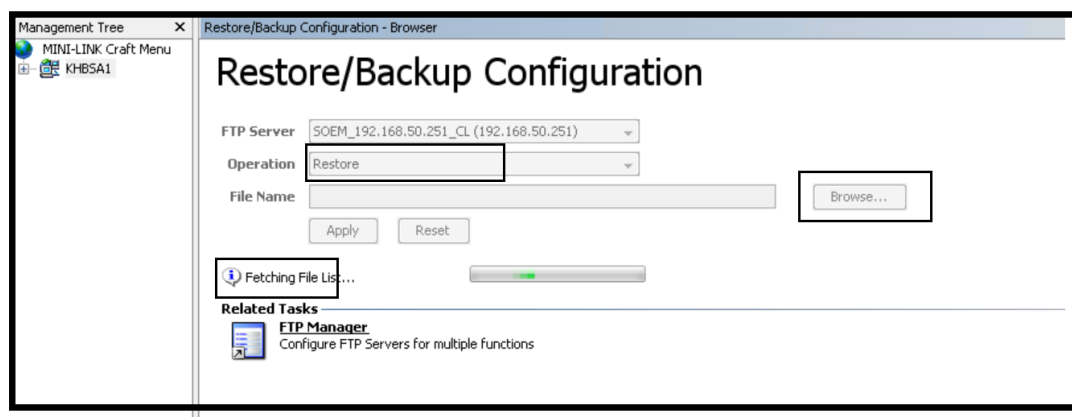
Backup fetching: Do as mentioned in below snap and finally save it



After inserted new NPU with same SBL version, please upload backup by below method:

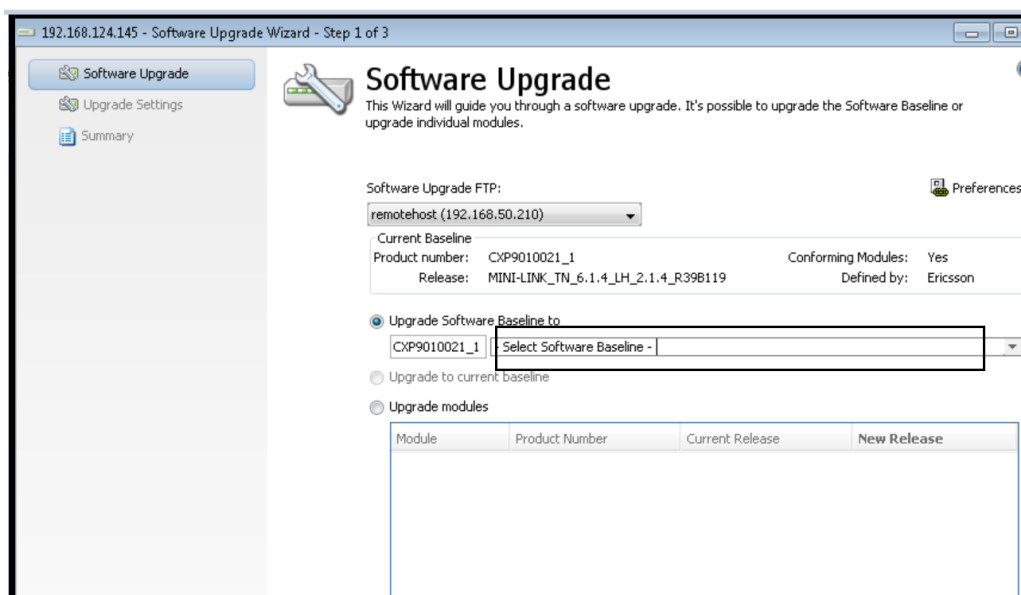
Use browse button to fetch back up from the correct path and save it.

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If you have NPU with different SBL, please go for software upgrade first then upload a old backup with the same way:

Software upgrade: Select old SBL and upgrade the same by next—next – finish-activate



After software upgrade please upload old back up as mentioned in above.

5. Check the alarms status, if alarm is cleared then leave from site.
6. If alarm is not cleared after replacing the NPU, replace APU's with TDM interfaces one at a time, until APU causing the alarm is cleared.

Replacing APU's:

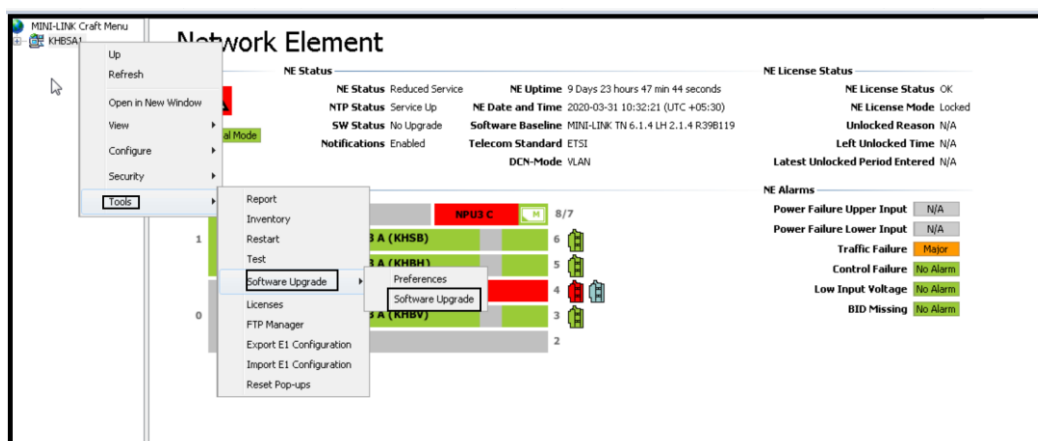
- a. Take configurations such as traffic routing, link configuration, protection slot and etc... of APU's which need to replace.
- b. Check the module software
- c. Press the BR button of replacing module and plug out the APU from the slot after BR light glowing and insert new APU on the same slot.

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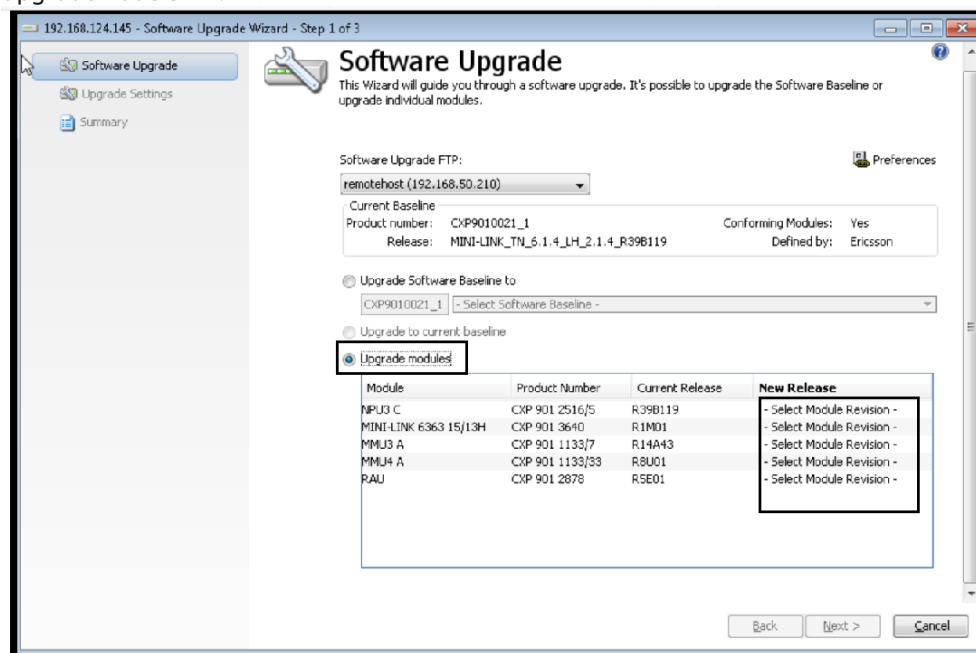
- d. Check the new module software, if it is as per SBL, then configure the module as old configuration.
- e. If module software is not as per SBL, then upgrade module software and then configure as old.

Module software upgrade when we are replacing APU's:



Select the module to upgrade for required version on marked option.

Note: Some modules will not detect in the slot's if software mismatch, in this case we need to upgrade node SBL .



Please configure the module as old and check the alarm status. If not cleared please change the other APU's one by one until alarm is cleared.

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#### **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.

#### **E: Fall Back Procedure**

Since MOP is for clearing Traffic system Failure, 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.*