ERICSSON 📁 Ericsson Internal

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Pragadeesh					
Approved	Checked	Date	Rev	Reference	
		07-05-2020	Ver1.0		

MOP of ETH_LOS Alarm for Huawei

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Activity Description

This activity is for E2E troubleshooting and alarm clearance of ETH_LOS.

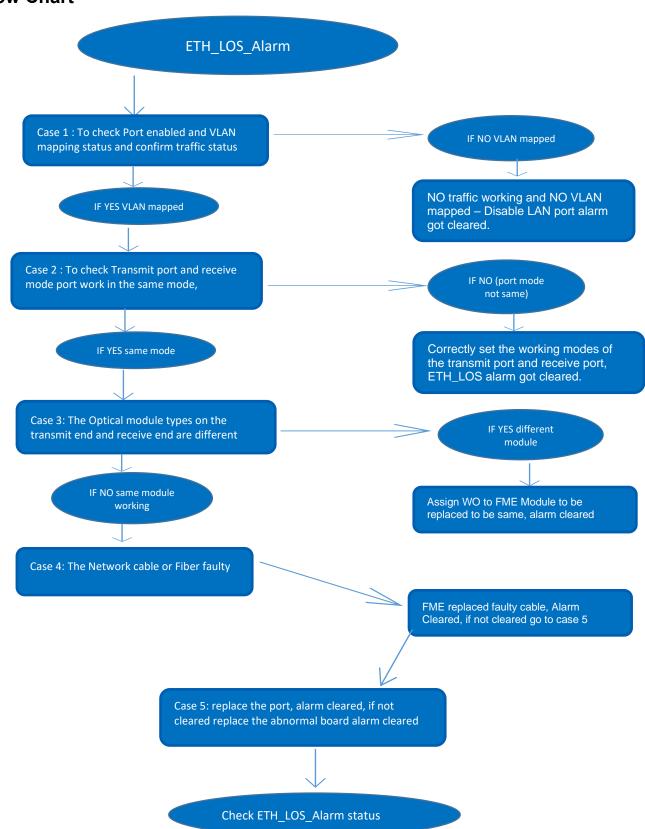
Attached is the details to be followed. As this need to be followed as guideline.

Alarm Name	ETH_LOS Alarm				
Alarm Description	he ETH_LOS alarm indicates the loss of Ethernet port connection				
Possible Causes	 The negotiation fails because the transmit port and receive port work in different modes The Optical module types on the transmit end and receive end are different The Cable or Fiber is Faulty The Local and Receive end is Faulty The Remote transmit end is faulty 				



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Flow Chart





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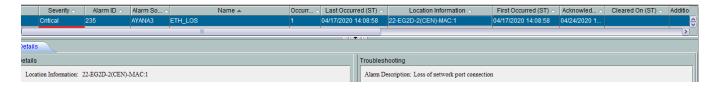
Activity Details

The ETH_LOS alarm indicates the loss of Ethernet port connection

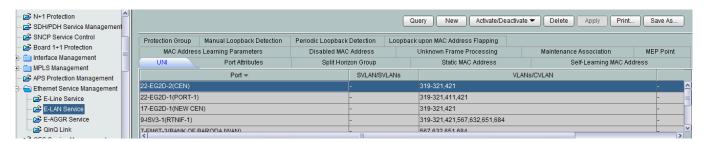
Below mentioned steps needs to follow clear ETH_LOS alarm.

- 1. To check the ETH_ LOS alarm enabled port VALN mapped or not and traffic status
- 2. The negotiation fails because the transmit port and receive port work in different modes
- 3. The Cable or Fiber is Faulty
- 4. The Local and Receive end is Faulty
- 5. The Remote transmit end is faulty

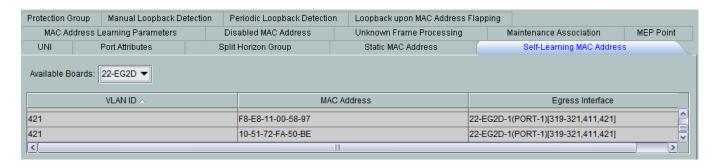
Case 1: to check the ETH LOS alarm observed port, any VALN mapped status, yes if VLAN mapped and check the traffic status and also needs to check active Alarm date, If no traffic working means disable LAN port alarm got cleared, if traffic working means go to Case :2



Select the E-LAN services to checking VLAN mapping – if yes VLAN mapping available in 22-EG2D-Port2, go to check traffic status, if no VLAN mapping available disable LAN port.



Select the Self –Learning MAC address check the MAC status, NO MAC received from 22-EG2D port2, further go to LAN port disable.



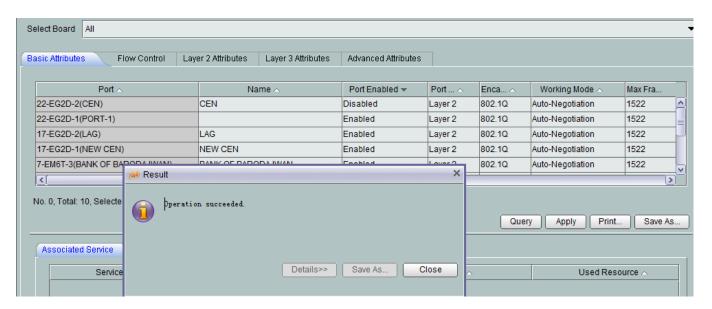


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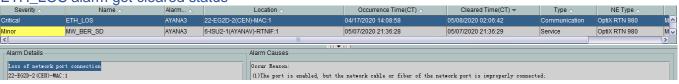
Select the Ethernet interface to port disable 22-EG2D port2.



Further port disabled (22-EG2D port2), alarm got cleared



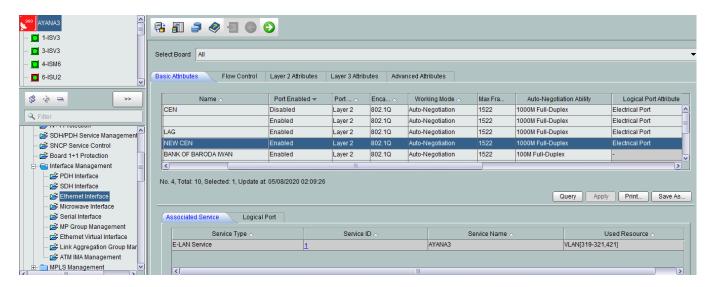
ETH_LOS alarm got cleared status





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Case 2: To check the encapsulation mode and auto Negotiation settings, if working transmit and receive mismatch to set correctly working mode then alarm got cleared, if working modes same go to Case 3



Case 3: further assign to WO FME clear ETH_LOS alarm, FME will take required spares and visit the site to check the network cable connected properly, if not connected properly or cable faulty, further faulty cable to be replaced (ETH cable or Optical cable) and also clean the SFP, if not resolved go to case 4.

FME faulty LAN cable replaced alarm got cleared



Case 4: after LAN cable replaced if still alarm observed, further LAN port to be changed local end, if still observed alarm LAN port to be changed at remote end alarm got cleared, if still alarm not cleared further go to case 5.



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Case 5: Check whether any fault occurs on the alarmed port and to check any abnormal observed on Ethernet board, further to reset board alarm got cleared, if still alarm not cleared means board to be replaced alarm got cleared.

FME Abnormal board replaced status



Further checked Node alarm status ETH_LOS alarm got cleared

