



HIRSCHMANN

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User Manual

Basic Configuration HiProvision Alarms



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1. HIPROVISION ALARMS LIST (DRAGON PTN RELEASE 4.3DR)

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
1.1	Major	Mismatch alarm.	Setting is not as expected in HiProvision.	Load the HiProvision configuration or correct the setting.
1.2	Minor	Invalid alarm.	Status is wrong or unexpected.	Check the status or alter the expectation.
1.3	Critical	Connection alarm.	HiProvision lost the connection with the node.	Check if a discovery entry is present in Discovery, check the physical connection or try to disconnect and reconnect to solve this problem.
1.4	Critical	Clear required.	A Clear of the node is required.	Clear the node.
1.5	Major	Timestamp mismatch.	A mismatch has been detected	Load the HiProvision configuration.
1.7	Critical	Node Configuration changed.	The node configuration has been changed and needs to be written to the config file.	Load the node and persist the node configuration.
1.10	Critical	Clear required.	A Clear of the module is required.	Clear the module.
1.11	Major	Connection alarm.	HiProvision lost the connection with the module.	Check if the module is present and up and running.
1.12	Major	Node Measured Type mismatch alarm.	The node type in the database differs from the node type detected.	Change the node type in HiProvision or replace the node with a node of the correct type.
1.13	Major	Device Measured Type mismatch alarm.	The device type in the database differs from the device type detected.	Change the device type in HiProvision or replace the device with a device of the correct type.
4.1	Major	Cabling fault detected on port.	Detected a different node on the link than configured in the database.	Check network cabling or node number.
4.2	Major	Incompatible version.	The version of the network element is not compatible with other components in the network.	Verify the version of all incompatible network elements.
4.3	Major	Connection alarm on port.	Could not connect with the node on the other side of the link.	Possible invalid discovery configuration. Clear the expected discovery ids in Discovery.
4.4	Major	SNMP Passwords change needed.	This node has default or old SNMP passwords that do not match the expected SNMP passwords.	Update the SNMP passwords of the network, which will update all nodes to the same SNMP passwords.
4.5	Major	SNMP passwords not correct.	The network is not accessible via the supplied security parameters.	Delete the existing endpoint and make a new endpoint with the correct SNMP passwords. If the passwords are lost, factory reset the node to which the HiProvision is connected and create an endpoint with default v3 security.
4.6	Major	SNMP passwords not correct.	The SNMP passwords of this node do not match the expected SNMP passwords.	Factory reset this node.
4.7	Major	Inconsistent Device IP Range.	The detected Device IP {1} of the endpoint differs from the configured Device IP Range {2} of the Entry Point.	Change the Device IP by reapplying the Device IP Range or delete and recreate the Discovery Entry Point with the correct Device IP Range.
4.8	Major	Duplicate node number detected.	Detected a node with the same node number ({1}) as a previously detected node.	Give every node in the network a unique node number.
4.9	Major	Orphan link endpoint IP address detected.	Detected node {2} from IP address {1}, which doesn't match with either neighbour nodes {3} and {4} of the detected link {5}.	Reset the node to clear the old DCN configuration.
4.10	Major	SNMP v3 security problem.	SNMP communication with the node uses DES encryption instead of AES. This is a backwards compatibility mode for discovery but nodes will not get reachable in network hardware.	Upgrade the CSM firmware and change the SNMP v3 passwords.
4.11	Major	SNMP v3 passwords not secure.	Endpoint uses the default SNMP v3 passwords.	Change the endpoint SNMP v3 passwords.
4.12	Major	No neighbour communication.	No Neighbour communication with the neighbouring node.	Clear the link neighbour approval to restore the communication.
4.13	Major	Duplicate Device IP address detected	Detected neighbouring node {2} with Device IP address ({1}) is the same Device IP address as previously detected node {3}.	Change the Device IP address or disconnect the node with the same Device IP address.
4.14	Critical	Node is blocked, incompatible FW version(s) detected	One or more elements of this node have an incompatible FW version: {1}	Check FW versions and update to a compatible version. CAUTION: Once your Dragon PTN network has been split in two independent firmware subnetworks (= each subnetwork having its own firmware set and HiProvision) for testing purposes,
5.1	Major	Interface Module Measured Type mismatch alarm.	The interface module type in the database differs from the type detected in the node.	Change the interface module in HiProvision or replace the module in the node with a module of the correct type.
5.2	Minor	Power Supply not present.	Power Supply configured in the database, but not detected in the node.	Insert Power Supply in the node or remove it in HiProvision.
5.3	Major	The interface module type is still configured in the node while deleted in the database.	The interface module type configured in the database differs from the type configured in the node.	Load the node to remove the configuration.

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5.4	Major	Operational Status mismatch.	The Operational Status in the database differs from the Operational Status in the node.	Load the node to configure the correct Operational Status of the port in the node or correct the setting in HiProvision.
5.5	Major	Admin Status mismatch.	The Admin Status in the database differs from the Admin Status in the node.	Load the node to configure the correct Admin Status of the port in the node or correct the setting in HiProvision.
5.6	Minor	MTU size mismatch.	The MTU size in the database differs from the MTU size in the node.	Load the node to configure the correct MTU size of the port in the node or correct the setting in HiProvision.
5.7	Major	An interface module detected that is not configured in the database.	The interface module type detected in the node differs from the type in the database.	Configure the interface module in the database or remove the module from the node.
5.9	Minor	Input Voltage.	The Power Supply Input Voltage is not ok.	The Power Supply Input Voltage for an AC Power Supply is lower than 85V or for a DC Power Supply lower than 16V.
5.10	Minor	Output Power.	The Power Supply Output Power is not ok.	The Power Supply Output Power is not correct. The voltage is not higher than 11,5V or Current is not lower than 19A.
5.11	Major	Power Supply Temperature is too high.	The Power Supply Temperature is too high.	Please check the node surrounding temperature.
5.12	Major	Invalid Node Number.	The configured Node Number on the NSM is invalid.	Change the Node Number on the NSM to a valid value. (Value 1-8999)
5.16	Minor	Degraded device performance	Degraded device performance	The device is running with degraded performance. This can be caused by external data loops that are connected to the network
5.17	Major	Device malfunction	Device malfunction	The device switching functionality has a critical problem and has to be restarted.
5.18	Major	1-10G-LW: Loss of Signal.	Hardware failure of XFP Module.	Check cable connection between local and remote node, if this does not help, try replacing local or remote XFP.
5.19	Minor	1-10G-LW: XFP Hardware Error	Hardware failure of XFP Module.	Replace XFP with correct type. If correct type is used, try replacing the XFP module.
5.24	Minor	Test and loopback active.	A test and/or loopback is active on the port. The port is disabled for user traffic.	Disable the test and/or loopback when the tests are finished.
5.25	Minor	DPLL Recovering Controller Clock alarm.	The IFM is not correctly synchronised because no clock is received from the CSM module.	Replace the IFM or CSM.
5.28	Critical	Smart SFP: Equipment Failure.	The Smart SFP device fails.	Replace the Smart SFP device.
5.29	Major	Smart SFP: Loss Of Signal.	The Smart SFP device indicates a Loss Of Signal on the SDH/SONET interface.	Check the SDH/SONET interface that is connected to the Smart SFP device.
5.30	Major	Smart SFP: Rx Loss Of Frame.	The Smart SFP device indicates Rx Loss Of Frame on the SDH/SONET interface.	Check the SDH/SONET interface that is connected to the Smart SFP device.
5.31	Major	Smart SFP: No TDM payload.	The Smart SFP device does not detect a valid TDM payload in the traffic that is received from the remote Smart SFP.	Check the SDH/SONET interface that is connected to the remote Smart SFP device.
5.32	Major	Smart SFP: Remote Packet Loss.	The Smart SFP device detects packet loss in the traffic that is sent to the remote Smart SFP.	The packet loss is detected in the traffic that starts on the local side of the service and is received at the remote side of the service. Check the service performance.
5.33	Major	Smart SFP: Local Packet Lost.	The Smart SFP device detects packet loss in the traffic that is received from the remote Smart SFP.	The packet loss is detected in the traffic that starts on remote side of the service and received at the local side of the service. Check the service performance.
5.34	Major	Smart SFP: Tx Loss Of Frame.	The Smart SFP device indicates Tx Loss Of Frame on the SDH/SONET interface.	Check the SDH/SONET interface that is connected to the remote Smart SFP device or check the service performance.
5.39	Critical	SSH is permanently enabled on the node.	SSH is permanently enabled, this is a security vulnerability.	Contact your service engineer to disable SSH.
5.40	Major	SFP not detected	The SFP device cannot be detected.	Insert an SFP device or disable the port if it is not used (disabling a port is only possible if the port is in LAN mode).
6.1	Major	4-DSL-LW: Line Probing mismatch.	The Line Probing setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.2	Major	4-DSL-LW: Link Status mismatch.	The Link Status setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.4	Minor	4-DSL-LW: Maximum Linerate mismatch.	The Maximum Linerate setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.5	Minor	4-DSL-LW: Minimum Linerate mismatch.	The Minimum Linerate setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.6	Minor	4-DSL-LW: PAF Mode mismatch.	The PAF Mode setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.7	Major	4-DSL-LW: PAM Mode mismatch.	The PAM Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.8	Major	4-DSL-LW: Unit Type mismatch.	The Unit Type setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

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6.9	Major	4-DSL-LW: Estimated Power Loss mismatch.	The Estimated Power Loss setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.10	Major	4-DSL-LW: Forced Power Back Off Mode mismatch.	The Forced Power Back Off Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.11	Major	4-DSL-LW: Power Back Off Value mismatch.	The Power Back Off Value setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.12	Major	4-DSL-LW: Region mismatch.	The Region setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
6.14	Major	4-DSL-LW: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
7.1	Major	4-GC-LW: Port Mode mismatch.	The Port Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
7.2	Major	4-GC-LW: Duplex Setting mismatch.	The Duplex setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
7.4	Major	4-GC-LW: Speed setting mismatch.	The Speed setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
7.5	Major	4-GC-LW: Negotiation mismatch.	The Negotiation setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.1	Major	4-E1-L: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.4	Major	4-E1-L: BERT Pattern Select mismatch.	The BERT Pattern Select setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.5	Major	4-E1-L: BERT Repetitive Pattern mismatch.	The BERT Repetitive Pattern setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.6	Major	4-E1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.7	Major	4-E1-L: BERT Rx Enable mismatch.	The BERT Rx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.9	Major	4-E1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.11	Major	4-E1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.12	Major	4-E1-L: BERT Tx Enable mismatch.	The BERT Tx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.13	Major	4-E1-L: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.15	Minor	4-E1-L: Port Status Rx Level.	IFM Port Status Rx Level is wrong or not as expected.	Check the status of the device or alter the expectation.
8.16	Minor	4-E1-L: Rx Alarm Indication Signal (AIS).	Rx AIS is detected at the E1 IFM Port.	The E1 IFM Port receives AIS from the attached device.
8.17	Minor	4-E1-L: Rx Loss Of Frame (LOF).	Rx LOF is detected at the E1 IFM Port.	The E1 IFM Port doesn't receive a valid frame from the attached device. The alignment bits of the received frame are incorrect. Check the attached device.
8.18	Minor	4-E1-L: Rx Loss Of Signal (LOS).	Rx LOS is detected at the E1 IFM Port.	The E1 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
8.19	Minor	4-E1-L: Rx Remote Alarm Indication (RAI).	Rx RAI is detected at the E1 IFM Port.	The E1 IFM Port receives RAI because the attached device has a problem with the signal it is receiving from this E1 IFM Port.
8.20	Major	4-E1-L: Short Haul mismatch.	The Short Haul setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.21	Major	4-E1-L: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the E1 IFM Port.	The E1 IFM Port sends out AIS because it doesn't receive a signal coming from the network or the remotely attached device. Check the network or the connection between the remote E1 IFM Port and its attached device.
8.22	Major	4-E1-L: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.23	Minor	4-E1-L: Tx Remote Alarm Indication (RAI).	Tx RAI is detected at the E1 IFM Port.	The E1 IFM Port sends out RAI because it receives LOS

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8.24	Major	4-E1-L: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.25	Major	4-E1-L: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.26	Major	4-E1-L: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.29	Major	4-E1-L: CESoPSN Clock Source Bundle ID mismatch.	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.32	Major	4-E1-L: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.34	Major	4-E1-L: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.36	Major	4-E1-L: Idle Code mismatch.	The Idle Code setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.37	Major	4-E1-L: Oos Code mismatch.	The OOS Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.41	None	4-E1-L: Ifm Port Status Test Bert Rx State	Ifm Port Status Test Bert Rx State is wrong or not as expected.	Check the status of the device or alter the expectation.
8.42	Major	4-E1-L: Send Data Mismatch	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
8.43	Warning	4-E1-L: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
9.1	Major	Interface Module Power Down mismatch.	The Power Down setting in HiProvision differs from the setting in the node for this module.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.3	Major	Interface Module Reset Release mismatch.	The Reset Release setting in HiProvision differs from the setting in the node for this module.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.4	Major	NSM: Configured Node ID mismatch.	The Configured Node ID in HiProvision differs from the Node ID configured in the node.	Load the node to configure the correct Node ID in the node.
9.7	Major	NSM: not present.	NSM module configured in HiProvision, but not detected in the node.	Insert or replace the NSM in the node.
9.17	Major	Configuration mismatch	The HiProvision configuration needs to be loaded to the device	Download the HiProvision configuration to the device.
9.18	Major	NTP Server IP Address mismatch.	The NTP Server IP Address setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.19	Major	Time/Date Mode mismatch.	The Time/Date Mode in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.39	Major	Power Supply Type mismatch.	The Power Supply Type in HiProvision differs from the type detected in the node.	Change the Power Supply in HiProvision or replace the Power Supply in the node with a Power Supply of the correct type.
9.52	Minor	Power Supply communication error.	Power Supply communication error detected.	If alarm is continuously on, replace Power Supply.
9.53	Major	SyncE Clear mismatch.	The SyncE WTR setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.54	Major	SyncE Clock Priority mismatch.	The SyncE Clock Priority setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.55	Major	SyncE EEC Mode mismatch.	The SyncE EEC Mode setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.56	Major	SyncE Lockout mismatch.	The SyncE Lockout setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.57	Major	SyncE Port Number mismatch.	The SyncE Port Number setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.58	Major	SyncE Provisioned mismatch.	The SyncE Provisioned setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.59	Major	SyncE QEnable mismatch.	The SyncE QEnable setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.60	Major	SyncE Slot Number mismatch.	The SyncE Slot Number setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

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9.61	Major	SyncE SSM Enabled mismatch.	The SyncE SSM Enabled setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.62	Major	SyncE SSM Port Bitmap mismatch.	The SyncE SSM Port Bitmap setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.63	Major	SyncE Switch Request mismatch.	The SyncE Switch Request setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.64	Major	SyncE Timing Mode mismatch.	The SyncE Timing Mode setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.65	Major	SyncE Uses Pdu mismatch.	The SyncE Uses Pdu setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.66	Major	SyncE mismatch.	The SyncE setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.67	Minor	Interface Module Temperature out of range.	The Interface Module Temperature is out of range.	Please check the node surrounding temperature.
9.69	Major	SyncE Commit mismatch.	The SyncE Commit setting in HiProvision differs from the setting in the node.	Load the node to configure the correct Synce Commit setting in the node or correct the setting in HiProvision.
9.75	Major	SyncE: Node is out of lock	SyncE: Node is out of lock.	Please verify timing sources.
9.76	Minor	SyncE: Active Source changed	SyncE: Active Source has changed.	Please verify timing sources.
9.77	Minor	SyncE: Timing Quality Level changed	SyncE: Timing Quality Level has changed.	Please verify timing sources.
9.78	Minor	NTP Server is unreachable	The configured NTP Server is unreachable	Please check NTP Server configuration, check if the NTP Server is running or check the connection to the NTP Server.
9.83	Major	Ifc Mgr Voltage Monitor Update Failed	Power configuration update failed.	The update of the power configuration has failed. Possibly the module is not able anymore to start up correctly after a restart. This module has to be replaced as soon as possible.
9.86	Major	IFM: Hardware Error.	Interface Module hardware error detected.	Please check the Interface Module.
9.87	Major	PLD update failed	The PLD update failed.	Replace the CSM module.
9.88	Major	Show Errors n Times mismatch.	The Show Errors n Times setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.89	Major	Show IP Address n Times mismatch.	The Show IP Address n Times setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.90	Major	Show Node Number n Times mismatch.	The Show Node Number n Times setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.91	Major	Show Version n Times mismatch.	The Show Version n Times setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.94	Major	Node rebooted.	Node rebooted.	Node rebooted.
9.96	Major	CSM switchover occurred.	CSM switchover occurred.	CSM switchover occurred.
9.99	None	Smart Sfp Is Configurable mismatch.	The Smart Sfp Is Configurable setting in the database differs from the setting in the node.	Load the node to configure the correct Smart Sfp Is Configurable setting in the node or correct the setting in HiProvision.
9.101	Major	Smart SFP: Destination MAC Address mismatch.	The Destination MAC Address setting in the database differs from the setting in the node.	Load the node to configure the correct Destination MAC Address setting in the node or correct the setting in HiProvision.
9.102	Major	Smart SFP: Destination MAC Check mismatch.	The Destination MAC Check setting in the database differs from the setting in the node.	Load the node to configure the correct Destination MAC Check setting in the node or correct the setting in HiProvision.
9.104	None	Smart Sfp Defects Raised	Smart Sfp Defects Raised is wrong or not as expected.	Check the status of the device or alter the expectation.
9.105	Major	MAC address configuration conflict.	The used MAC address is not present anymore in the node. The CSM with this MAC address is removed from the node.	Reboot the CSM. This will clear the alarm. After the reboot the own switch MAC address will be used.
9.107	Major	NSM Module Measured Type mismatch alarm.	The NSM module type in the database differs from the type detected in the node.	Change the NSM module in HiProvision or replace the module in the node with a module of the correct type.
9.108	Major	IEEE1588 Global Enable mismatch.	The IEEE1588 Global Enable setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.109	Major	IEEE1588 Enable mismatch.	The IEEE1588 Enable setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

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9.110	Major	IEEE1588 Encapsulation mismatch.	The IEEE1588 Encapsulation setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.111	None	Dragon PTN Port Status Alarmed	Dragon PTN Port Status Alarmed is wrong or not as expected.	Check the status of the device or alter the expectation.
9.112	Major	IEEE1588 Reset Engine mismatch.	The IEEE1588 Reset Engine setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.113	Major	8-FXS: Configuration error.	The voice configuration could not be loaded into the 8-FXS module.	Check the voice application parameters. Download the 8-FXS module log files for more information on the configuration error.
9.117	Minor	9-L3A-L / 9-L3EA-L / 6-GE-L: XFP Hardware Error.	Hardware failure of XFP Module.	Replace XFP with correct type. If correct type is used: try replacing the XFP module.
9.118	Minor	9-L3A-L / 9-L3EA-L / 6-GE-L: Loss of Signal.	No signal detected.	Check cable connection between local and remote module
9.119	Major	Configuration mismatch	The HiProvision configuration needs to be loaded to the module	Download the HiProvision configuration to the module.
9.123	None	lfm Xfp Present	lfm Xfp Present is wrong or not as expected.	Check the status of the device or alter the expectation.
9.124	Major	Interface Module Power Down mismatch.	The Power Down setting in HiProvision differs from the setting in the node for this module.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.125	Major	IFM: Hardware Error.	Interface Module hardware error detected.	Please check the Interface Module.
9.127	Major	Power Settings Update Failed	Power configuration update failed.	The update of the power configuration has failed. Possibly the module is not able anymore to start up correctly after a restart. This module has to be replaced as soon as possible.
9.128	Major	Backup NTP Server IP Address mismatch.	The Backup NTP Server IP Address setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.129	Minor	Backup NTP Server is unreachable	The configured Backup NTP Server is unreachable	Please check Backup NTP Server configuration, check if the Backup NTP Server is running or check the connection to the Backup NTP Server.
9.131	Minor	9-L3A-L / 9-L3EA-L / 6-GE-L: SFP Hardware Error.	Hardware failure of SFP Module.	Replace SFP with correct type. If correct type is used: try replacing the SFP module.
9.132	None	9-L3A-L / 9-L3EA-L / 6-GE-L: Loss of Signal.	No signal detected.	Check cable connection between local and remote module
9.133	None	lfm Ext Mgr Sfp Present	lfm Ext Mgr Sfp Present is wrong or not as expected.	Check the status of the device or alter the expectation.
9.134	Minor	9-L3A-L / 9-L3EA-L / 6-GE-L: XFP Hardware Error.	Hardware failure of XFP Module.	Replace XFP with correct type. If correct type is used: try replacing the XFP module.
9.135	None	9-L3A-L / 9-L3EA-L / 6-GE-L: Loss of Signal.	No signal detected.	Check cable connection between local and remote module
9.136	None	lfm Ext Mgr Xfp Present	lfm Ext Mgr Xfp Present is wrong or not as expected.	Check the status of the device or alter the expectation.
9.137	None	Pld Status Other Controller Present	Pld Status Other Controller Present is wrong or not as expected.	Check the status of the device or alter the expectation.
9.138	None	Pld Status This Controller Slot	Pld Status This Controller Slot is wrong or not as expected.	Check the status of the device or alter the expectation.
9.139	None	Redundancy Fsm Status Configuration In Sync	Redundancy Fsm Status Configuration In Sync is wrong or not as expected.	Check the status of the device or alter the expectation.
9.140	None	Redundancy Fsm Status Fsm State	Redundancy Fsm Status Fsm State is wrong or not as expected.	Check the status of the device or alter the expectation.
9.141	Major	Synce Ssm Port Bit Map mismatch.	The Synce Ssm Port Bit Map setting in the database differs from the setting in the node.	Load the node to configure the correct Synce Ssm Port Bit Map setting in the node or correct the setting in HiProvision.
9.144	Minor	Fan Module Status	Fan Module Status is wrong or not as expected.	Check the status of the device or alter the expectation.
9.146	Major	MACsec configuration mismatch	MACsec is configured but not loaded.	Load the MACsec configuration to clear the alarm.
9.147	Major	Fs Dot Tp Aging Time mismatch.	The Fs Dot Tp Aging Time setting in the database differs from the setting in the node.	Load the node to configure the correct Fs Dot Tp Aging Time setting in the node or correct the setting in HiProvision.
9.156	Major	16-GE-L: PoE Ext. Max Power PSU-1 mismatch.	The PoE Ext. Max Power of PSU-1 setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
9.157	Major	16-GE-L: PoE Ext. Max Power PSU-2 mismatch.	The PoE Ext. Max Power of PSU-2 setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
9.159	Major	16-GE-L: PoE hardware failure.	The PoE chip on the IFM has a hardware failure.	Replace the IFM.
9.160	Major	PoE Max Power mismatch.	The PoE Max Power setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.31	Major	PoE Admin Status mismatch.	The PoE Admin Status setting in HiProvision differs from the setting in the node for this port..	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.33	Major	PoE Port Power Priority mismatch.	The PoE Power Priority setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.34	Major	PoE Port Description mismatch.	The PoE Port Description setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.41	Major	BC Storm Control mismatch.	The Broadcast Storm Control setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.42	Major	DLF Storm Control mismatch.	The DLF (Destination Lookup Failure) Storm Control setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.43	Major	MC Storm Control mismatch.	The Multicast Storm Control setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.44	Major	Storm Control Burst Size mismatch.	The Storm Control Burst Size setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.45	Major	Storm Control Output Rate Limit mismatch.	The Storm Control Output Rate Limit setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
10.53	Major	If Main Port Hairpin Switching mismatch.	The If Main Port Hairpin Switching setting in the database differs from the setting in the node.	Load the node to configure the correct If Main Port Hairpin Switching setting in the node or correct the setting in HiProvision.
10.70	Major	BPDU Guard mismatch.	The BPDU Guard setting in the database differs from the setting in the node.	Load the node to configure the correct BPDU Guard setting.
10.71	Major	BPDU Guard Status mismatch.	The BPDU Guard Status setting in the database differs from the setting in the node.	Load the node to configure the correct BPDU Guard Status setting.
10.72	Major	QoS Classification mismatch.	The QoS Classification setting in the database differs from the setting in the node.	Load the node to configure the correct QoS Classification setting in the node or correct the setting in HiProvision.
11.0	Major	Link alarm.	The link on this port went down.	Check cabling and port statistics.
11.1	Minor	Circuit Emulation: Service L-bit (Local TDM Failure) alarm.	At this service, an abnormal condition from the IFM Port is detected.	Check the alarms at the IFM Ports of this service and resolve them. Select the appropriate service - Monitoring Properties - Alarms in the Network app for more info.
11.2	Minor	Circuit Emulation: Service M-bit (Modifier) alarm.	At this service, an abnormal condition from the IFM Port is detected.	Check the alarms at the IFM Ports of this service and resolve them. Select the appropriate service - Monitoring Properties - Alarms in the Network app for more info.
11.3	Minor	Tunnel alarm, protection mechanism activated.	This tunnel has a LSP that is operational down. The protection mechanism is activated.	Check the LSP operational states in network monitoring.
11.4	Major	Tunnel alarm.	This tunnel has one or more LSPs that are operational down.	Check the LSP operational states in network monitoring.
11.5	Major	Service pseudowire alarm.	This service has a pseudowire that is operational down.	Check the pseudowire operational states in network monitoring.
11.6	Minor	Circuit Emulation: Clock Source misconfiguration alarm.	At this service, the clock source is misconfigured.	Make sure the clock source of the involved ports is configured correctly.
11.7	Minor	Circuit Emulation: Bundle Status closed alarm.	At this service, the bundle status is closed.	Check the service.
11.8	Minor	Circuit Emulation: CESoPSN Clock Source Bundle ID misconfiguration alarm.	At this service, the CESoPSN Clock Source Bundle ID is misconfigured.	Fill in the correct CESoPSN Clock Source Bundle ID at the Port of this service which has Clock Source configured as Adaptive / Differential.
11.9	Minor	Serial Ethernet : Multi-drop Consistency alarm.	There are 3 possible problems :	1. The service master does not receive a response from at least one slave 2. Within this service, at least one slave does not receive master broadcast messages, addressed to other slaves
11.10	Minor	Tunnel alarm	The external E1 link that is used by this tunnel is down.	Check the external E1 link and check the alarms on the ports that are used by the external E1 link.
11.11	Minor	Service alarm	The external E1 link that is used by this service is down.	Check the external E1 link and check the alarms on the ports that are used by the external E1 link.
11.12	Minor	External E1 Link alarm.	The external E1 link on this port went down.	Check cabling and port statistics.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
11.13	Minor	Circuit Emulation: Service R-bit (Remote TDM Failure) alarm.	At this service, no network data is received at the remote IFM.	Check the WAN links of this service. Select the appropriate service - Monitoring Properties - Alarms in the Network app for more info.
11.14	Minor	Circuit Emulation: Loss of Ethernet Packet alarm.	At this service, no network data is received at this IFM.	Check the WAN links of this service. Select the appropriate service - Monitoring Properties - Alarms in the Network app for more info.
11.15	Major	Service alarm.	This service is down because one of its tunnels is down.	Check the tunnel and its LSP operational states in network monitoring
11.16	Minor	Hitless switching path down	One of the hitless switching paths on Circuit Emulation service is down.	One of the hitless switching paths on Circuit Emulation service is down, service is still operational.
11.17	Minor	Voice service IP alarm.	Voice service: IP address request failed.	Check the IP configuration.
11.18	Minor	Voice application Registration alarm.	Voice application: SIP Registration failed.	Check the SIP server configuration.
11.19	Critical	Logical (Sub)Ring: Maintenance domain level needs migration.	Logical (Sub)Ring: Maintenance domain level is not correct for this Logical (Sub)Ring tunnel.	Load the node(s) to configure the correct maintenance domain level. When performing the load, a small interruption of the services that are using this tunnel can occur. For extra information, please contact your service engineer.
12.1	Major	2-C37.94-E1-L: BERT Tx/Rx Enable mismatch.	The BERT Tx/Rx Enable setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
12.3	Major	2-C37.94-E1-L: BERT Rx Direction mismatch.	The BERT Rx Direction setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
12.5	Major	2-C37.94-E1-L: BERT Tx Direction mismatch.	The BERT Tx Direction setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
12.6	Major	2-C37.94-E1-L: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
12.10	Major	2-C37.94-E1-L: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
12.11	Minor	2-C37.94-E1-L: Rx Loss Of Signal (LOS).	Rx LOS is detected at the C37.94 IFM Port.	The C37.94 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
12.12	Minor	2-C37.94-E1-L: Rx Remote Alarm Indication (RAI) / Yellow Alarm.	Rx RAI/Yellow Alarm is detected at the C37.94 IFM Port.	The attached device sends out RAI/Yellow Alarm because it doesn't receive a valid input signal from the C37.94 IFM Port. Check the connection between the C37.94 IFM Port and the attached device.
12.13	Major	2-C37.94-E1-L: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the C37.94 IFM Port.	The C37.94 IFM Port sends out AIS because it doesn't receive a signal coming from the network or the remotely attached device. Check the network or the connection between the remote E1 IFM Port and its attached device.
12.14	Major	2-C37.94-E1-L: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
12.15	Minor	2-C37.94-E1-L: Tx Remote Alarm Indication (RAI) / Yellow Alarm.	Tx RAI/Yellow Alarm is detected at the C37.94 IFM Port.	The C37.94 IFM Port sends out RAI/Yellow Alarm because it doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
12.18	Major	2-C37.94-E1-L: SFP Hardware Error.	Hardware failure of SFP Module.	Replace the SFP module.
12.19	Major	2-C37.94-E1-L: Loss of Signal.	The received optical signal is too weak.	Check received optical power. If sufficient, replace the SFP. If not, check output power of the connected equipment and the attenuation of the optical connection.
12.20	Major	2-C37.94-E1-L: Send Data mismatch.	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
12.21	Warning	2-C37.94-E1-L: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
13.1	Major	4-T1-L: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.5	Major	4-T1-L: BERT Pattern Select mismatch.	The BERT Pattern Select setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.6	Major	4-T1-L: BERT Repetitive Pattern mismatch.	The BERT Repetitive Pattern setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.7	Major	4-T1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.8	Major	4-T1-L: BERT Rx Enable mismatch.	The BERT Rx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
13.10	Major	4-T1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.11	Major	4-T1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.12	Major	4-T1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.13	Major	4-T1-L: BERT Tx Enable mismatch.	The BERT Tx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.14	Major	4-T1-L: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.16	Minor	4-T1-L: Port Status Rx Level.	Ifm Port Status Rx Level is wrong or not as expected.	Check the status of the device or alter the expectation.
13.17	Minor	4-T1-L: Rx Alarm Indication Signal (AIS).	Rx AIS is detected at the T1 IFM Port.	The T1 IFM Port receives AIS from the remotely attached device.
13.18	Minor	4-T1-L: Rx Loss Of Frame (LOF).	Rx LOF is detected at the T1 IFM Port.	The T1 IFM Port doesn't receive a valid frame from the attached device. The alignment bits of the received frame are incorrect. Check the attached device.
13.19	Minor	4-T1-L: Rx Loss Of Signal (LOS).	Rx LOS is detected at the T1 IFM Port.	The T1 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
13.20	Minor	4-T1-L: Rx Remote Alarm Indication (RAI) / Yellow Alarm.	Rx RAI / Yellow Alarm is detected at the T1 IFM Port.	The T1 IFM Port receives RAI / Yellow Alarm because the attached device has a problem with the signal it is receiving from this T1 IFM Port.
13.21	Major	4-T1-L: Short Haul mismatch.	The Short Haul setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.22	Major	4-T1-L: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the T1 IFM Port.	The T1 IFM Port sends out AIS because it doesn't receive a signal coming from the network or the remotely attached device. Check the network or the connection between the remote E1 IFM Port and its attached device.
13.23	Major	4-T1-L: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.24	Minor	4-T1-L: Tx Remote Alarm Indication (RAI) / Yellow Alarm.	Tx RAI / Yellow Alarm is detected at the T1 IFM Port.	The T1 IFM Port sends out RAI / Yellow Alarm because it receives LOS, LOF or AIS or because the Remote T1 IFM Port receives RAI / Yellow Alarm.
13.25	Major	4-T1-L: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.26	Major	4-T1-L: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.27	Major	4-T1-L: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.29	Major	4-T1-L: CESoPSN Clock Source Bundle ID mismatch.	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.33	Major	4-T1-L: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.35	Major	4-T1-L: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.39	Major	4-T1-L: Idle Code mismatch.	The Idle Code setting in HiProvision differs from the setting in the node	Load the node to configure the correct Ifm Tdm Idle Code setting in the node or correct the setting in HiProvision.
13.40	Major	4-T1-L: Oos Code mismatch.	The OOS Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct Ifm Tdmop Port Config Data Tx Rx Oos Code setting in the node or correct the setting in HiProvision.
13.44	None	4-T1-L: Ifm Port Status Test Bert Rx State	Ifm Port Status Test Bert Rx State is wrong or not as expected.	Check the status of the device or alter the expectation.
13.45	Major	4-T1-L: Send Data mismatch.	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
13.46	Warning	4-T1-L: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
14.1	Major	2-C37.94-T1-L: BERT Tx/Rx Enable mismatch.	The BERT Tx/Rx Enable setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
14.3	Major	2-C37.94-T1-L: BERT Rx Direction mismatch.	The BERT Rx Direction setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
14.5	Major	2-C37.94-T1-L: BERT Tx Direction mismatch.	The BERT Tx Direction setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
14.6	Major	2-C37.94-T1-L: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
14.10	Major	2-C37.94-T1-L: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
14.11	Minor	2-C37.94-T1-L: Rx Loss Of Signal (LOS).	Rx LOS is detected at the C37.94 IFM Port.	The C37.94 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
14.12	Minor	2-C37.94-T1-L: Rx Remote Alarm Indication (RAI) / Yellow Alarm.	Rx RAI/Yellow Alarm is detected at the C37.94 IFM Port.	The attached device sends out RAI/Yellow Alarm because it doesn't receive a valid input signal from the C37.94 IFM Port. Check the connection between the C37.94 IFM Port and its remotely attached device.
14.13	Major	2-C37.94-T1-L: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the C37.94 IFM Port.	The C37.94 IFM Port sends out AIS because it doesn't receive a signal coming from the network or the remotely attached device. Check the network or the connection between the remote E1 IFM Port and its attached device.
14.14	Major	2-C37.94-T1-L: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
14.15	Minor	2-C37.94-T1-L: Tx Remote Alarm Indication (RAI) / Yellow Alarm.	Tx RAI/Yellow Alarm is detected at the C37.94 IFM Port.	The C37.94 IFM Port sends out RAI/Yellow Alarm because it doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
14.18	Major	2-C37.94-T1-L: SFP Hardware Error.	Hardware failure of SFP Module.	Replace the SFP module.
14.19	Major	2-C37.94-T1-L: Loss of Signal.	The received optical signal is too weak.	Check received optical power. If sufficient, replace the SFP. If not, check output power of the connected equipment and the attenuation of the optical connection.
14.20	Major	2-C37.94-T1-L: Send Data mismatch.	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
14.21	Warning	2-C37.94-T1-L: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
15.1	Major	2-C37.94-T1-L: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.5	Major	2-C37.94-T1-L: BERT Pattern Select mismatch.	The BERT Pattern Select setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.6	Major	2-C37.94-T1-L: BERT Repetitive Pattern mismatch.	The BERT Repetitive Pattern setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.7	Major	2-C37.94-T1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.8	Major	2-C37.94-T1-L: BERT Rx Enable mismatch.	The BERT Rx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.10	Major	2-C37.94-T1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.11	Major	2-C37.94-T1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.12	Major	2-C37.94-T1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.13	Major	2-C37.94-T1-L: BERT Tx Enable mismatch.	The BERT Tx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.14	Major	2-C37.94-T1-L: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.16	Minor	2-C37.94-T1-L: Port Status Rx Level.	Ifm Port Status Rx Level is wrong or not as expected.	Check the status of the device or alter the expectation.
15.17	Minor	2-C37.94-T1-L: Rx Alarm Indication Signal (AIS).	Rx AIS is detected at the T1 IFM Port.	The T1 IFM Port receives AIS from the attached device.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
15.18	Minor	2-C37.94-T1-L: Rx Loss Of Frame (LOF).	Rx LOF is detected at the T1 IFM Port.	The T1 IFM Port doesn't receive a valid frame from the attached device. The alignment bits of the received frame are incorrect. Check the attached device.
15.19	Minor	2-C37.94-T1-L: Rx Loss Of Signal (LOS).	Rx LOS is detected at the T1 IFM Port.	The T1 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
15.20	Minor	2-C37.94-T1-L: Rx Remote Alarm Indication (RAI) / Yellow Alarm.	Rx RAI / Yellow Alarm is detected at the T1 IFM Port.	The T1 IFM Port receives RAI / Yellow Alarm because the attached device has a problem with the signal it is receiving from this T1 IFM Port.
15.21	Major	2-C37.94-T1-L: Short Haul mismatch.	The Short Haul setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.22	Major	2-C37.94-T1-L: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the T1 IFM Port.	The T1 IFM Port sends out AIS because it doesn't receive a signal coming from the network or the remotely attached device. Check the network or the connection between the remote E1 IFM Port and its attached device.
15.23	Major	2-C37.94-T1-L: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.24	Minor	2-C37.94-T1-L: Tx Remote Alarm Indication (RAI) / Yellow Alarm	Tx RAI/ Yellow alarm is detected at the T1 IFM Port.	The T1 IFM Port sends out RAI / Yellow Alarm because it receives LOS, LOF or AIS or because the Remote T1 IFM Port receives RAI / Yellow Alarm.
15.25	Major	2-C37.94-T1-L: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.26	Major	2-C37.94-T1-L: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.27	Major	2-C37.94-T1-L: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.30	Major	2-C37.94-T1-L: CESoPSN Clock Source Bundle ID mismatch.	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.34	Major	2-C37.94-T1-L: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.36	Major	2-C37.94-T1-L: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.38	Major	2-C37.94-T1-L: Idle Code mismatch.	The Idle Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct lfm Tdm Idle Code setting in the node or correct the setting in HiProvision.
15.39	Major	2-C37.94-T1-L: Oos Code mismatch.	The OOS Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct lfm Tdmop Port Config Data Tx Rx Oos Code setting in the node or correct the setting in HiProvision.
15.43	None	2-C37.94-T1-L: lfm Port Status Test Bert Rx State	lfm Port Status Test Bert Rx State is wrong or not as expected.	Check the status of the device or alter the expectation.
15.44	Major	2-C37.94-T1-L: Send Data mismatch.	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
15.45	Warning	2-C37.94-T1-L: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
16.39	Major	7-SERIAL: DCD Input mismatch.	The DCD Input setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.40	Major	7-SERIAL: DCD Mode mismatch.	The DCD Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.41	Major	7-SERIAL: DCD Output mismatch.	The DCD Output setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.42	Major	7-SERIAL: DTR / DSR Input mismatch.	The DTR / DSR Input setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.43	Major	7-SERIAL: DTR / DSR Mode mismatch.	The DTR / DSR Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.44	Major	7-SERIAL: DTR / DSR Output mismatch.	The DTR / DSR Output setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.46	Major	7-SERIAL: Port Mode mismatch.	The Port Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
16.47	Major	7-SERIAL: Port Role mismatch.	The Port Role setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.49	Major	7-SERIAL: RTS / CTS or Control (C) / Indication (I) Input Mismatch.	The RTS / CTS (for RS232, RS422, V.35) or Control (C) / Indication (I) (for X.21) Input setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.50	Major	7-SERIAL: RTS / CTS or Control (C) / Indication (I) Mode Mismatch.	The RTS / CTS (for RS232, RS422, V.35) or Control (C) / Indication (I) (for X.21) Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.51	Major	7-SERIAL: RTS / CTS or Control (C) / Indication (I) Output Mismatch.	The RTS / CTS (for RS232, RS422, V.35) or Control (C) / Indication (I) (for X.21) Output setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.58	Major	7-SERIAL: BERT Tx/Rx Enable mismatch.	The BERT Tx/Rx Enable setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.59	Major	7-SERIAL: BERT Rx Direction mismatch.	The BERT Rx Direction setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.60	Major	7-SERIAL: BERT Tx Direction mismatch.	The BERT Tx Direction setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.62	Major	7-SERIAL: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.63	Major	7-SERIAL: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.64	Major	7-SERIAL: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.65	Major	7-SERIAL: BERT Rx Port mismatch.	The BERT Rx Port setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.66	Major	7-SERIAL: BERT Tx Port mismatch.	The BERT Tx Port setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.68	Major	7-SERIAL: BERT Bitrate mismatch.	The BERT Bitrate setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.69	Major	7-SERIAL: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.74	Major	7-SERIAL: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.75	Major	7-SERIAL: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.76	Major	7-SERIAL: Bitrate mismatch.	The Bitrate setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.77	Major	7-SERIAL: Invert Clock Mismatch.	The Invert Clock setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
16.78	Major	7-SERIAL: Invalid Rx Clock.	An invalid clock is detected at the SERIAL IFM Port.	The SERIAL IFM Port detects an invalid clock because of following possible reasons. 1: No clock is connected to the SERIAL IFM Port. 2: The deviation of the connected clock is higher than 80 ppm. 3: The attached device is not configured as DCE. 4: The attached device uses a wrong bitrate.
16.80	Major	7-SERIAL: Data Bits mismatch.	The Data Bits setting in HiProvision differs from the setting in the node for this node.	Load the node to configure the correct Data Bits setting in the node or correct the setting in HiProvision.
16.81	Major	7-SERIAL: Parity mismatch.	The Parity setting in HiProvision differs from the setting in the node for this port	Load the node to configure the correct Parity setting in the node or correct the setting in HiProvision.
16.82	Major	7-SERIAL: Speed Offset mismatch.	The Speed Offset setting in HiProvision differs from the setting in the node.	Load the node to configure the correct Speed Offset setting in the node or correct the setting in HiProvision.
16.83	Major	7-SERIAL: Stop Bits mismatch.	The Stop Bits setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct Stop Bits setting in the node or correct the setting in HiProvision.
16.88	Major	7-SERIAL: Serial Port Map Mode mismatch.	The Serial Port Map Mode setting in HiProvision differs from the setting in the node.	Load the node to configure the correct Serial Port Map Mode setting in the node or correct the setting in HiProvision.
17.4	Major	4-2/4WEM: E & M Signaling mismatch.	The E & M Signaling setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
17.7	Major	4-2/4WEM: M Signal Mode mismatch.	The M Signal Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.8	Major	4-2/4WEM: M Signal Output mismatch.	The M Signal Output setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.39	Major	4-2/4WEM: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.61	Major	4-2/4WEM: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.63	Major	4-2/4WEM: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.64	Major	4-2/4WEM: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.65	Major	4-2/4WEM: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.69	Major	4-2/4WEM: CESoPSN Clock Source Bundle ID mismatch.	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.72	Major	4-2/4WEM: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.75	Major	4-2/4WEM: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.82	Major	4-2/4WEM: Level Meter Enabled mismatch.	The Level Meter Enabled setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.83	Major	4-2/4WEM: Level Meter Port Selection mismatch.	The Level Meter Port Selection setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.84	Major	4-2/4WEM: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.85	Major	4-2/4WEM: Tone Generator mismatch.	The Tone Generator setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.89	Major	4-2/4WEM: Rx Signal Level mismatch.	The Rx Signal Level setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
17.90	Major	4-2/4WEM: Tx Signal Level mismatch.	The Tx Signal Level setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.1	Major	2-C37.94-E1-L: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.5	Major	2-C37.94-E1-L: BERT Pattern Select mismatch.	The BERT Pattern Select setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.6	Major	2-C37.94-E1-L: BERT Repetitive Pattern mismatch.	The BERT Repetitive Pattern setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.7	Major	2-C37.94-E1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.8	Major	2-C37.94-E1-L: BERT Rx Enable mismatch.	The BERT Rx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.10	Major	2-C37.94-E1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.11	Major	2-C37.94-E1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.12	Major	2-C37.94-E1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.13	Major	2-C37.94-E1-L: BERT Tx Enable mismatch.	The BERT Tx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.14	Major	2-C37.94-E1-L: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
18.16	Minor	2-C37.94-E1-L: Port Status Rx Level.	Ifm Port Status Rx Level is wrong or not as expected.	Check the status of the device or alter the expectation.
18.17	Minor	2-C37.94-E1-L: Rx Alarm Indication Signal (AIS).	Rx AIS is detected at the E1 IFM Port.	The E1 IFM Port receives AIS from the attached device.
18.18	Minor	2-C37.94-E1-L: Rx Loss Of Frame (LOF).	Rx LOF is detected at the E1 IFM Port.	The E1 IFM Port doesn't receive a valid frame from the attached device. The alignment bits of the received frame are incorrect. Check the attached device.
18.19	Minor	2-C37.94-E1-L: Rx Loss Of Signal (LOS).	Rx LOS is detected at the E1 IFM Port.	The E1 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
18.20	Minor	2-C37.94-E1-L: Rx Remote Alarm Indication (RAI).	Rx RAI is detected at the E1 IFM Port.	The E1 IFM Port receives RAI because the attached device has a problem with the signal it is receiving from this E1 IFM Port.
18.21	Major	2-C37.94-E1-L: Short Haul mismatch.	The Short Haul setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.22	Major	2-C37.94-E1-L: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the E1 IFM Port.	The E1 IFM Port sends out AIS because it doesn't receive a signal coming from the network or the remotely attached device. Check the network or the connection between the remote E1 IFM Port and its attached device.
18.23	Major	2-C37.94-E1-L: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.24	Minor	2-C37.94-E1-L: Tx Remote Alarm Indication (RAI).	Tx RAI is detected at the E1 IFM Port.	The E1 IFM Port sends out RAI because it receives LOS, LOF or AIS or because the Remote E1 IFM Port receives RAI. The E1 IFM Port sends out RAI because it receives LOS, LOF or AIS or because the Remote E1 IFM Port receives RAI.
18.25	Major	2-C37.94-E1-L: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.26	Major	2-C37.94-E1-L: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.27	Major	2-C37.94-E1-L: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.30	Major	2-C37.94-E1-L: CESoPSN Clock Source Bundle ID mismatch.	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.34	Major	2-C37.94-E1-L: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.36	Major	2-C37.94-E1-L: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.38	Major	2-C37.94-E1-L: Idle Code mismatch.	The Idle Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct Ifm Tdm Idle Code setting in the node or correct the setting in HiProvision.
18.39	Major	2-C37.94-E1-L: Oos Code mismatch.	The OOS Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct Ifm Tdmop Port Config Data Tx Rx Oos Code setting in the node or correct the setting in HiProvision.
18.43	None	2-C37.94-E1-L: Ifm Port Status Test Bert Rx State	Ifm Port Status Test Bert Rx State is wrong or not as expected.	Check the status of the device or alter the expectation.
18.44	Major	2-C37.94-E1-L: Send Data mismatch.	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.45	Warning	2-C37.94-E1-L: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
18.46	Major	2-C37.94-E1-L: Internal Connection Port 1-3 mismatch.	The Internal Connection Port 1-3 setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
18.47	Major	2-C37.94-E1-L: Internal Connection Port 2-4 mismatch.	The Internal Connection Port 2-4 setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
19.5	Major	1-10GC-LW: Port Mode mismatch.	The Port Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
19.6	Major	1-10GC-LW: PHY Mode mismatch.	The PHY mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.1	Major	2-OLS: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
20.39	Major	2-OLS: FM0 Coding mismatch.	The FM0 Coding setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.40	Major	2-OLS: Synchronisation mismatch.	The Synchronisation setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.41	Major	2-OLS: Bitrate mismatch.	The Bitrate setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.44	Major	2-OLS: BERT Bitrate mismatch.	The BERT Bitrate setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.45	Major	2-OLS: BERT Tx/Rx Enable mismatch.	The BERT Tx/Rx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.46	Major	2-OLS: BERT Rx Direction mismatch.	The BERT Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.47	Major	2-OLS: BERT Rx Port mismatch.	The BERT Rx Port setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.48	Major	2-OLS: BERT Tx Direction mismatch.	The BERT Tx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.49	Major	2-OLS: BERT Tx Port mismatch.	The BERT Tx Port setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.50	Major	2-OLS: BERT Pattern Select mismatch.	The BERT Pattern Select setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.52	Major	2-OLS: Internal Connection Port 1-3 mismatch.	The Internal Connection Port 1-3 setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.54	Major	2-OLS: Internal Connection Port 2-4 mismatch.	The Internal Connection Port 2-4 setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.58	Minor	2-OLS: Rx Activity alarm.	No Rx Activity on Optical Port detected.	Check the connected device and/or optical connection.
20.59	Minor	2-OLS: Tx Activity alarm.	No Tx Activity on Optical Port detected.	No data is received from network. Check the network connection.
20.61	Major	2-OLS: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.62	Major	2-OLS: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.63	Major	2-OLS: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.64	Major	2-OLS: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.69	Major	2-OLS: Forced Power Mode mismatch.	The Forced Power Mode setting in the database differs from the setting in the node.	Load the node to configure the correct Forced Power Mode setting in the node or correct the setting in HiProvision.
20.70	Major	2-OLS: Send Data Mismatch	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
20.71	None	2-OLS: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet preclocked/locked as configured in the send data property. Wait a little longer until the pre-locked/locked state has been reached. After that Tx AIS should stop automatically.
21.39	Major	4-CODIR: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.61	Major	4-CODIR: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.63	Major	4-CODIR: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.64	Major	4-CODIR: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.65	Major	4-CODIR: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
21.69	Major	4-CODIR: CESoPSN Clock Source Bundle ID mismatch.	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.72	Major	4-CODIR: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.75	Major	4-CODIR: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.97	Minor	4-CODIR: Rx Loss of Octet Timing (LOT).	Rx LOT is detected at the CODIR Port.	Check the attached device.
21.98	Minor	4-CODIR: Rx Alarm Indication Signal (AIS).	Rx AIS is detected at the CODIR port	Check the status of the connected device.
21.99	Minor	4-CODIR: Rx Loss Of Signal (LOS).	Rx LOS is detected at the CODIR Port.	The CODIR Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
21.100	Minor	4-CODIR: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the CODIR Port.	The CODIR Port sends out AIS because it doesn't receive a signal coming from the network. Check the network or the connection between the remote CODIR Port and its attached device.
21.107	Major	4-CODIR: BERT Tx/Rx Enable mismatch.	The BERT Tx/Rx Enable setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.108	Major	4-CODIR: BERT Rx Direction mismatch.	The BERT Rx Direction setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.109	Major	4-CODIR: BERT Rx Port mismatch.	The BERT Rx Port setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.110	Major	4-CODIR: BERT Tx Direction mismatch.	The BERT Tx Direction setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.111	Major	4-CODIR: BERT Tx Port mismatch.	The BERT Tx Port setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.113	Major	4-CODIR: Bitrate mismatch.	The Bitrate setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
21.114	None	4-CODIR: Loopback mismatch.	The Loopback setting in the database differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
22.0	Major	License alarm.	More licenses are required than available preventing the HiProvision from going online with this configured node (or feature).	Install a license file that covers the network size.
23.1000	Major	Digital Output Alarm Severity mismatch.	The Digital Output Alarm Severity setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
23.1001	Major	Digital Output Alarm Trigger mismatch.	The Digital Output Alarm Trigger setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
24.2	Major	Iss Port Ctrl Duplex mismatch.	The Iss Port Ctrl Duplex setting in the database differs from the setting in the node.	Load the node to configure the correct Iss Port Ctrl Duplex setting in the node or correct the setting in HiProvision.
24.4	Major	4-GO-LW: Negotiation mismatch.	The Negotiation setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
24.5	Major	Iss Port Ctrl Speed mismatch.	The Iss Port Ctrl Speed setting in the database differs from the setting in the node.	Load the node to configure the correct Iss Port Ctrl Speed setting in the node or correct the setting in HiProvision.
24.6	Major	4-GO-LW: Port Mode mismatch.	The Port Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
25.1	Minor	8-FXS: Hardware alarm	An hardware alarm is detected at the 8-FXS.	Alarm is triggered when audio buffers are re-initialized due to reconfigurations of the FXS module. In normal conditions this alarm will be cleared automatically within 30 seconds. If the problem persists; use the logfile of the 8-FXS for further troubleshooting.
25.2	Critical	8-FXS: Hardware alarm	An hardware alarm is detected at the 8-FXS.	Hardware alarm triggered by a background watchdog problem. Use the logfile of the 8-FXS for further troubleshooting.
25.3	Critical	8-FXS: Hardware alarm	An hardware alarm is detected at the 8-FXS.	Hardware alarm triggered by a foreground watchdog problem. Use the logfile of the 8-FXS for further troubleshooting.
25.4	Critical	8-FXS: Hardware alarm	An hardware alarm is detected at the 8-FXS.	Hardware alarm triggered by a marmalade watchdog-problem. Use the logfile of the 8-FXS for further troubleshooting.
25.5	Major	8-FXS: Voice Application connectivity problem	The Voice Application is not able to get an IP address from the configured network interface on the 8-FXS.	Use the logfile of the 8-FXS for further troubleshooting.
25.6	Critical	8-FXS: Hardware alarm	An hardware alarm is detected at the 8-FXS.	Hardware alarm triggered by a SLIC problem. Use the logfile of the 8-FXS for further troubleshooting.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
25.7	Critical	8-FXS: Hardware alarm	An hardware alarm is detected at the 8-FXS.	Hardware alarm triggered by a SLIC startup problem. Use the logfile of the 8-FXS for further troubleshooting.
25.8	Critical	8-FXS: Hardware alarm	An hardware alarm is detected at the 8-FXS.	Hardware alarm triggered by a SPI watchdog problem. Use the logfile of the 8-FXS for further troubleshooting.
25.9	Minor	8-FXS: Hardware alarm	An hardware alarm is detected at the 8-FXS.	Hardware alarm triggered by a SPI timeout problem. Use the logfile of the 8-FXS for further troubleshooting.
26.1	Major	16-T1-L: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.5	Major	16-T1-L: BERT Pattern Select mismatch.	The BERT Pattern Select setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.6	Major	16-T1-L: BERT Repetitive Pattern mismatch.	The BERT Repetitive Pattern setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.7	Major	16-T1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.8	Major	16-T1-L: BERT Rx Enable mismatch.	The BERT Rx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.10	Major	16-T1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.11	Major	16-T1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.12	Major	16-T1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.13	Major	16-T1-L: BERT Tx Enable mismatch.	The BERT Tx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.14	Major	16-T1-L: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.16	Minor	16-T1-L: Port Status Rx Level.	Ifm Port Status Rx Level is wrong or not as expected.	Check the status of the device or alter the expectation.
26.17	Minor	16-T1-L: Rx Alarm Indication Signal (AIS).	Rx AIS is detected at the T1 IFM Port.	The T1 IFM Port receives AIS from the remotely attached device.
26.18	Minor	16-T1-L: Rx Loss Of Frame (LOF).	Rx LOF is detected at the T1 IFM Port.	The T1 IFM Port doesn't receive a valid frame from the attached device. The alignment bits of the received frame are incorrect. Check the attached device.
26.19	Minor	16-T1-L: Rx Loss Of Signal (LOS).	Rx LOS is detected at the T1 IFM Port.	The T1 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
26.20	Minor	16-T1-L: Rx Remote Alarm Indication (RAI) / Yellow Alarm.	Rx RAI / Yellow Alarm is detected at the T1 IFM Port.	The T1 IFM Port receives RAI / Yellow Alarm because the attached device has a problem with the signal it is receiving from this T1 IFM Port.
26.22	Major	16-T1-L: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the T1 IFM Port.	The T1 IFM Port sends out AIS because it doesn't receive a signal coming from the network or the remotely attached device. Check the network or the connection between the remote E1 IFM Port and its attached device.
26.23	Major	16-T1-L: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.24	Minor	16-T1-L: Tx Remote Alarm Indication (RAI) / Yellow Alarm.	Tx RAI / Yellow Alarm is detected at the T1 IFM Port.	The T1 IFM Port sends out RAI / Yellow Alarm because it receives LOS, LOF or AIS or because the Remote T1 IFM Port receives RAI / Yellow Alarm.
26.25	Major	16-T1-L: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.26	Major	16-T1-L: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.27	Major	16-T1-L: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.29	Major	16-T1-L: CESoPSN Clock Source Bundle ID mismatch.	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.33	Major	16-T1-L: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.35	Major	16-T1-L: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
26.39	Major	16-T1-L: Idle Code mismatch.	The Idle Code setting in HiProvision differs from the setting in the node	Load the node to configure the correct Ifm Tdm Idle Code setting in the node or correct the setting in HiProvision.
26.40	Major	16-T1-L: Oos Code mismatch.	The OOS Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct Ifm Tdmop Port Config Data Tx Rx Oos Code setting in the node or correct the setting in HiProvision.
26.44	None	16-T1-L: Ifm Port Status Test Bert Rx State	Ifm Port Status Test Bert Rx State is wrong or not as expected.	Check the status of the device or alter the expectation.
26.45	Major	16-T1-L: Send Data mismatch.	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
26.46	Warning	16-T1-L: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
27.1	Major	16-E1-L: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.4	Major	16-E1-L: BERT Pattern Select mismatch.	The BERT Pattern Select setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.5	Major	16-E1-L: BERT Repetitive Pattern mismatch.	The BERT Repetitive Pattern setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.6	Major	16-E1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.7	Major	16-E1-L: BERT Rx Enable mismatch.	The BERT Rx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.9	Major	16-E1-L: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.11	Major	16-E1-L: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.12	Major	16-E1-L: BERT Tx Enable mismatch.	The BERT Tx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.13	Major	16-E1-L: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.15	Minor	16-E1-L: Port Status Rx Level.	IFM Port Status Rx Level is wrong or not as expected.	Check the status of the device or alter the expectation.
27.16	Minor	16-E1-L: Rx Alarm Indication Signal (AIS).	Rx AIS is detected at the E1 IFM Port.	The E1 IFM Port receives AIS from the attached device.
27.17	Minor	16-E1-L: Rx Loss Of Frame (LOF).	Rx LOF is detected at the E1 IFM Port.	The E1 IFM Port doesn't receive a valid frame from the attached device. The alignment bits of the received frame are incorrect. Check the attached device.
27.18	Minor	16-E1-L: Rx Loss Of Signal (LOS).	Rx LOS is detected at the E1 IFM Port.	The E1 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
27.19	Minor	16-E1-L: Rx Remote Alarm Indication (RAI).	Rx RAI is detected at the E1 IFM Port.	The E1 IFM Port receives RAI because the attached device has a problem with the signal it is receiving from this E1 IFM Port.
27.21	Major	16-E1-L: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the E1 IFM Port.	The E1 IFM Port sends out AIS because it doesn't receive a signal coming from the network or the remotely attached device. Check the network or the connection between the remote E1 IFM Port and its attached device.
27.22	Major	16-E1-L: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.23	Minor	16-E1-L: Tx Remote Alarm Indication (RAI).	Tx RAI is detected at the E1 IFM Port.	The E1 IFM Port sends out RAI because it receives LOS
27.24	Major	16-E1-L: Loopback Line Data mismatch.	The Loopback Line Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.25	Major	16-E1-L: Loopback Network Data mismatch.	The Loopback Network Data setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.26	Major	16-E1-L: Loopback Network Mgmt mismatch.	The Loopback Network Mgmt setting in HiProvision differs from the setting in the node for this IFM.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.29	Major	16-E1-L: CESoPSN Clock Source Bundle ID mismatch.	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.32	Major	16-E1-L: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
27.34	Major	16-E1-L: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.36	Major	16-E1-L: Idle Code mismatch.	The Idle Code setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.37	Major	16-E1-L: Oos Code mismatch.	The OOS Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.41	None	16-E1-L: Ifm Port Status Test Bert Rx State	Ifm Port Status Test Bert Rx State is wrong or not as expected.	Check the status of the device or alter the expectation.
27.42	Major	16-E1-L: Send Data Mismatch	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
27.43	Warning	16-E1-L: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
28.13	Major	Negotiation mismatch.	The Negotiation setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.14	Major	Duplex Setting mismatch.	The Duplex setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.16	Major	Speed setting mismatch.	The Speed setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.79	None	LACP mismatch.	The LACP setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.80	Major	MTU size mismatch.	The MTU size in the database differs from the MTU size in the node.	Load the node to configure the correct MTU size of the port in the node or correct the setting in HiProvision.
28.82	Major	BC Storm Control mismatch.	The Broadcast Storm Control setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.83	Major	DLF Storm Control mismatch.	The DLF (Destination Lookup Failure) Storm Control setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.84	Major	MC Storm Control mismatch.	The Multicast Storm Control setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.85	Major	Burst Size mismatch.	The Burst Size setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.86	Major	Output Rate Limit mismatch.	The Output Rate Limit setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
28.89	Major	BPDU guard activated	Port is in discarding state because of BPDU guard.	Check if there are no STP packets received on the port anymore. If this is the case, bring the port down and back up by manually unplugging the cable. Or by setting the Admin Status of the port to down, load and set the Admin Status back to up.
28.90	Major	If Port Delay Timeout mismatch.	The If Port Delay Timeout setting in the database differs from the setting in the node.	Load the node to configure the correct If Port Delay Timeout setting in the node or correct the setting in HiProvision.
28.93	Major	Dot Pause Admin Mode mismatch.	The Dot Pause Admin Mode setting in the database differs from the setting in the node.	Load the node to configure the correct Dot Pause Admin Mode setting in the node or correct the setting in HiProvision.
28.94	Major	Fs Garp Timeout mismatch.	The Fs Garp Timeout setting in the database differs from the setting in the node.	Load the node to configure the correct Fs Garp Timeout setting in the node or correct the setting in HiProvision.
28.95	Major	Fs Garp Timeout Status mismatch.	The Fs Garp Timeout Status setting in the database differs from the setting in the node.	Load the node to configure the correct Fs Garp Timeout Status setting in the node or correct the setting in HiProvision.
28.96	Major	Fs Dot Tp Aging Time mismatch.	The Fs Dot Tp Aging Time setting in the database differs from the setting in the node.	Load the node to configure the correct Fs Dot Tp Aging Time setting in the node or correct the setting in HiProvision.
30.864	Major	Admin Status mismatch.	The Admin Status in the database differs from the Admin Status in the node.	Load the node to configure the correct Admin Status of the port in the node or correct the setting in HiProvision.
30.866	None	Operational Status mismatch.	The Operational Status in the database differs from the Operational Status in the node.	Load the node to configure the correct Operational Status of the port in the node or correct the setting in HiProvision.
31.1	Major	2-OLS: Link Enabled mismatch.	The Link Enabled setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.4	Major	2-OLS: BERT Pattern Select mismatch.	The BERT Pattern Select setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.5	Major	2-OLS: BERT Repetitive Pattern mismatch.	The BERT Repetitive Pattern setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
31.6	Major	2-OLS: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.7	Major	2-OLS: BERT Rx Enable mismatch.	The BERT Rx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.9	Major	2-OLS: BERT Tx/Rx Timeslot mismatch.	The BERT Tx/Rx Timeslot setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.11	Major	2-OLS: BERT Tx/Rx Direction mismatch.	The BERT Tx/Rx Direction setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.12	Major	2-OLS: BERT Tx Enable mismatch.	The BERT Tx Enable setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.13	Major	2-OLS: Loopback mismatch.	The Loopback setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.16	Minor	2-OLS: Rx Alarm Indication Signal (AIS).	Rx AIS is detected at the E1 IFM Port.	The E1 IFM Port receives AIS from the attached device.
31.17	Minor	2-OLS: Rx Loss Of Frame (LOF).	Rx LOF is detected at the E1 IFM Port.	The E1 IFM Port doesn't receive a valid frame from the attached device. The alignment bits of the received frame are incorrect. Check the attached device.
31.18	Minor	2-OLS: Rx Loss Of Signal (LOS).	Rx LOS is detected at the E1 IFM Port.	The E1 IFM Port doesn't receive a valid input signal from the attached device. Check the attached device or the cable.
31.19	Minor	2-OLS: Rx Remote Alarm Indication (RAI).	Rx RAI is detected at the E1 IFM Port.	The E1 IFM Port receives RAI because the attached device has a problem with the signal it is receiving from this E1 IFM Port.
31.20	Major	2-OLS: Short Haul mismatch.	The Short Haul setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.21	Major	2-OLS: Idle Code mismatch.	The Idle Code setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.22	Minor	2-OLS: Tx Alarm Indication Signal (AIS).	Tx AIS is detected at the E1 IFM Port.	The E1 IFM Port sends out AIS because it doesn't receive a signal coming from the network. Check the network or the connection between the remote E1 IFM Port and its attached device.
31.23	Major	2-OLS: Clock Source mismatch.	The Clock Source setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.24	Minor	2-OLS: Tx Remote Alarm Indication (RAI).	Tx RAI is detected at the E1 IFM Port.	The E1 IFM Port sends out RAI because it receives LOS
31.30	Major	2-OLS: CESoPSN Clock Source Bundle ID mismatch	The CESoPSN Clock Source Bundle ID setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.33	Major	2-OLS: CESoPSN mismatch.	The CESoPSN setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.35	Major	2-OLS: Optimise Jitter Buffer mismatch.	The Optimise Jitter Buffer setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.60	None	2-OLS: Ifm Port Status Test Bert Rx State	Ifm Port Status Test Bert Rx State is wrong or not as expected.	Check the status of the device or alter the expectation.
31.62	Major	2-OLS: Oos Code mismatch.	The OOS Code setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.63	Major	2-OLS: Send Data Mismatch	The Send Data setting in HiProvision differs from the setting in the node.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
31.68	Minor	2-OLS: Port Status Rx Level.	IFM Port Status Rx Level is wrong or not as expected.	Check the status of the device or alter the expectation.
31.69	Warning	2-OLS: Send Data Property results in Tx AIS.	AIS is send out on both ports (local and remote) because the service is still in start-up phase and not yet ready to send data.	The adaptive clock is not yet prelocked/locked as configured in the send data property. Wait a little bit longer until the prelocked/locked state has been reached. After that Tx AIS should stop automatically.
33.2	Major	1-40G-LW: Port Mode Mismatch.	The Port Mode setting in HiProvision differs from the setting in the node for this node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.
33.3	None	Ifm Sfpp Alarm Los	Ifm Sfpp Alarm Los is wrong or not as expected.	Check the status of the device or alter the expectation.
33.4	Major	1-40G-LW: Loss of Signal.	Hardware failure of QSFP+ module.	Check cable connection between local and remote node. If this does not help try replacing local or remote QSFP+.
36.2	Major	4-10GC-LW: Port Mode mismatch.	The Port Mode setting in HiProvision differs from the setting in the node for this port.	Load the node to configure the correct setting in the node or correct the setting in HiProvision.

Code	Severity	Name (Message)	Description (Text)	Curative Action (help)
39.1	Minor	SFP: SFP Hardware Error.	Hardware failure of SFP Module.	Replace SFP with correct type. If correct type is used try replacing the SFP module.
39.2	Major	SFP: Loss of Signal.	No signal detected.	Check cable connection between local and remote node. If this does not help try replacing local or remote SFP.