

NEC

P **ASOLINK**

N **ETWORK**

M **ANAGEMENT**

S **YSTEM**

*Northbound
SNMP Interface Specification
for PNMS j
iPASOLINK 100/200*

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1 Introduction

This document describes in detail the interface between the PNMS and the higher-level manager for iPASOLINK 100/200 radio equipment. This describes the iPASOLINK 100/200 MIB explanation. The general description of PNMS SNMP interface such as hardware configuration, communication protocol, interface function and PNMS MIB of summary status (Group (cluster) status and NE status) are described in "PNMS SNMP Interface Specification".

NEC provides MIB information. The integration work to higher-level management system will be performed by the customer.

2 iPASOLINK 100/200 MIB

This section describes in detail iPASOLINK 100/200 MIB. The objective of this section is to show MIB definition of IPASOLINK 100/200 equipment for the higher-level manager and its collection of Trap names and Trap numbers.

For fully detailed MIB definitions, please refer to respective Appendices attached to the latter part of this manual.

The MIB tree is shown in Figure 1. The first seven entries are NEC assigned MIB objects. The Management Information Base (MIB) of IPASOLINK 100/200 equipment for the higher-level manager is mainly comprised of following two object ID's (system5 and pasoNeolpe-common).

Iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).nec(119).nec-mib(2).

necProductDepend(3).radioEquipment(69)

commonPnms(203)

ipasolink200(502)

system5(5)

ipeSystemGroup(1)

ipeFileSystemGroup(2)

ipeConfigurationGroup(3)

ipeCommunicationsGroup(4)

ipeStatusGroup(6)

ipeCommandGroup(8)

pasoNeolpe-common(501)

summaryGroup(1)

trapGroup(2)

alarmStatusGroup(3)

equipmentSetUpGroup(4)

provisioningGroup(5)

maintenanceGroup(6)

inventoryGroup(7)

meteringGroup(8)

pmonGroup(9)

pmonTxRxLevGroup(10)

rmonGroup(11)

Figure 1 iPASOLINK 100/200 MIB Tree (1)

2.1 system5

This group includes the system information of the detailed MIB object of iPASOLINK 100/200 equipments.

Following is a detailed list of system5 which is supported by upper SNMP function of iPASOLINK 100/200. Please refer to appendix for further details with regards to each file name shown in the list.

File Name	Table Name
MIB-PNMSJ-IPASOLINK-100-200-SYSTEM-MIB.my	ipeSysInfoTable
	ipeSysOpFileDownloadTable
	ipeSysOpProgramPmonRmonClearTable
	ipeFsFileInfoTable
	ipeFsUsbInfoTable
	ipeCfgAuxInTable
	ipeCfgAuxOutTable
	ipeCfgNtpServiceTable
	ipeCfgNtpServerTable
	ipeCfgFtpServerTable
	ipeCfgSftpServerTable
	ipeCfgHttpServerTable
	ipeCfgHttpsServerTable
	ipeCfgSnmpServerTable
	ipeCfgSnmpCommunityTable
	ipeCfgSnmpTrapTable
	ipeCfgAccountUserInfoTable
	ipeCfgAccountGroupInfoTable
	ipeCfgUserAccountAuthTable
	ipeCfgPortLctTable
	ipeCfgPortEtherTable
	ipeCfgPortNe2Table
	ipeCfgPortInbandTable
	ipeCfgPortMainEtherTable
	ipeCfgBridgeTable
	ipeCfgBridgePortTable
	ipeCfgNaptTable
	ipeCfgStaticRouteTable
	ipeCfgAccessListRuleTable
	ipeCfgAccessListInputTable
	ipeCfgAccessListForwardTable
	ipeCfgRadiusGeneralTable
	ipeCfgRadiusAuthServerExtTable
	ipeCfgRadiusPrivLevelGeneralTable
	ipeCfgRadiusGroupPrivLevelMappingTable
	ipeCfgLldpTable
	ipeCfgMgmtTrafficControlTable
	ipeNeighborInfoTable
	ipeStsPortEtherTable
MIB-PNMSJ-IPASOLINK-100-200-DHCP-MAIN-MIB.my	ipeCfgDhcpMainServerTable
	ipeCfgDhcpMainRegisteredMacTable
	ipeStsDhcpMainLeaseTable
	ipeCmdDhcpMainTable

2.1.1 ipeSystemGroup

The object ID's in this group defines summary (total) status of agent (iPASOLINK NE) as follows.
For more detailed information on "ifindex", please refer to appendix.

ipeSysInfoTable

Object Name	Item	Trap Type
ipeSysInfoIndex	The value is fixed at 1.	-
ipeSysInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeSysNeName	Equipment name (for display).	-
ipeSysAreaName	Area name (for display).	-
ipeSysNote	Memorandum (for display).	-
ipeSysPrimaryIpAddress	Primary IP Address (for display and setting).	-
ipeSysSubnetMask	Subnet mask (for display).	-
ipeSysDefaultGateway	Default gateway (for display).	-
ipeSysMacAddress	MAC address (for display).	-
ipeSysMibVersion	MIB version.	-
ipeSysEquipmentType	Equipment type. 20: PASOLINK+(STM-1) 30: PASOLINK+(STM-0) 40: PASOLINK+(PDH) 50: PASOLINK+(Nlite-L) 60: PASOLINK+(Mx) 70: PASOLINK+(Nlite-Lx) 100: PASOLINK NEO(STD) 110: PASOLINK NEO(N+1) 120: PASOLINK NEO(advanced) 130: PASOLINK NEO(Compact) 140: PASOLINK NEO(NODAL) 150: PASOLINK NEO(HP) 160: NLiteNEO 200: iPASOLINK 200 201: iPASOLINK 100 321: iPASOLINK 100E 400: iPASOLINK 400 1000: iPASOLINK 1000	-
ipeSysPmType	Number of Branch. 2-18. 1 stands for Normal NE mode.	-

ipeSysOperationGroup ipeSysOpFileDownloadTable

Object Name	Item	Trap Type
ipeSysOpFileDownloadIndex	The value is fixed at 1.	-
ipeSysOpFileDownloadNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeSysOpFileDownloadModule	Program type. 0: Invalid 1: IDU 2: ODU 3: MODEM 5: IPE-FPGA 6: MSE 7: Software Key 8: Network Configuration 9: Equipment Configuration	Status

	10:User Configuration 11:HTTPS *'0:Invalidity' is used as an initial state.	
ipeSysOpFileDownloadCpuResetDetail	CPU reset control. 0:Invalidity 1:revert reset 2:normal reset (without revert) *'0:Invalidity' is used as an initial state.	Control
ipeSysOpFileDownloadStatus	Download result. 0:Invalidity 1:Completed 2:Failed 3:Executing 4:Suspending *'0:Invalidity' is used as an initial state. *A change state is the following three kinds. 1)When it operates normally:(Start)->(3:Executing)->(1:Completed) 2)When it cancels on the way:(Start)->(3:Executing)->(4:Suspending)->(Completed) 3)When unusual detection is carried out on the way:(Start)-> (3:Executing)->(2:Failed) *The download start from excluding (3:Executing) is permitted. *The download start from (3:Executing) is not permitted. *Pertinent details: ipeSysOpFileDownloadCtrl	Status
ipeSysOpFileDownloadCtrl	Download control. 0:Invalidity 1:Download start 2:Download suspend 3:Upload start 4:Upload end 5:Download reset *'0:Invalidity' is used as an initial state. *'5:Download reset' terminates the FTP server(vsftpd) with the deletion processing in the type of the file for all download directory. *The object file name allows only alphanumeric character '0-9', 'a-z', 'A-Z' of ASCII code, and sign '-_+'. *Pertinent details: ipeSysOpFileDownloadProtocolType *Pertinent details: ipeSysOpFileDownloadModule *Pertinent details: ipeSysOpFileDownloadStatus *Pertinent details: ipeFsUpdateFileStatus *Pertinent details: ipeFsUsbProcStatus [Race condition] *When ipeSysOpFileDownloadStatus is (3:Executing) or (4:Suspending), (1:Download start) is invalid. *When ipeSysOpFileDownloadStatus is	Status

	<p>(4:Suspending), (2:Download suspend) is invalid. *When ipeSysOpFileDownloadStatus is (0:Invalidity), (1:Download start) is valid, but do nothing. *When ipeFsUpdateFileStatusis(3:Executing), it is invalid. Other one is valid. *When ipeFsUsbProcStatus is (2:Normal:Process executing), it is invalid. Other one is valid.</p> <p>[Indispensable condition] *When it is (1:Download start) or (3:Upload start), (4:Upload end),ipeSysOpFileDownloadProtocolType setup is indispensable.</p>	
ipeSysOpFileDownloadProtocolType	<p>Kind of protocol,</p> <p>0: Invalid 1: FTP 2: SFTP 3: HTTP</p> <p>*'0:Invalidity' is used as an initial state.</p> <p>*Pertinent details: ipeSysOpFileDownloadCtrl</p>	Status

ipeSysOperationGroup ipeSysOpProgramPmonRmonClearTable

Object Name	Item	Trap Type
ipeSysOpProgramPmonRmonClearIndex	The value is fixed at 1.	-
ipeSysOpProgramPmonRmonClearNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeSysOpProgramPmonRmonClear	PMON data clear control 0:FIXED VALUE 1:REQUEST	Status
ipeSysOpProgramPmonRmonClearResult	PMON data clear control response 1:COMPLETED 2:FAILED 3:EXECUTING	Status

2.1.2 ipeFileSystemGroup

For more detailed information on “ifindex”, please refer to appendix.

ipeFsFileInfoTable

Object Name	Item	Trap Type
ipeFsFileInfoIndex	The value is fixed at 1.	-
ipeFsFileInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeFsFileListType	<p>Type for acquisition</p> <p>0:Invalidity 1: IDU 2: ODU 3: MODEM Parameter 4: FPGA(Other slot) 5: FPGA(Ctrl) 7: Software Key License 8: Network Config 9: Equipment Config 10: User Config 11: Server Certificate for HTTPS/HTTPS certificate issue request 12: PMON data 13: RMON data 14: Command/event/alarm LOG 15: Device Inventory file 16: MAC learning entry 17: all(All types of above-mentioned '1-16' are objects.)</p> <p>*'0:Invalidity' is used as an initial state.</p> <p>*Pertinent details: ipeFsFileListCurrent *Pertinent details: ipeFsFileListTemp</p>	-
ipeFsFileListCurrent	<p>Current file list (Flash-ROM).</p> <p>The list of the type set to ipeFsFileListType is acquired.</p> <p>Form of file list:</p> <p>It's 1 item by 'file name (It included in a path), file size,CRC'. Each item is divided at space.</p> <p>Ex) FilePath1/FileName1,size,CRC FilePath2/FileName2,size,CRC...</p> <p>[Indispensable condition] *ipeFsFileListType setup is indispensable.</p>	-

ipeFsFileListTemp	<p>Temporary file list (DRAM).</p> <p>The list of the type set to ipeFsFileListType is acquired.</p> <p>Form of file list:</p> <p>It's 1 item by 'file name (It isn't included in a pass), file size,CRC'.</p> <p>Each item is divided at space.</p> <p>Ex) Filename1, size,CRC Filename2,size,CRC...</p> <p>[Indispensable condition] *ipeFsFileListType setup is indispensable.</p>	-
ipeFsUpdateFileDetail	<p>File update control.</p> <p>Thing to specify object file after it downloads it by 'ipeSysOpFileDownloadCtrl','ipeFsUsbCommand' and to demand file update.</p> <p>Ex) Filename1</p> <p>*The object file name allows only alphanumeric character '0-9', 'a-z', 'A-Z' of ASCII code, and sign '-_+'.</p> <p>*Pertinent details: ipeSysOpFileDownloadModule *Pertinent details: ipeFsUpdateFileUpdateList *Pertinent details: ipeSysOpFileDownloadStatus *Pertinent details: ipeFsUpdateFileStatus *Pertinent details: ipeFsUsbProcStatus</p> <p>[Race condition] *When ipeSysOpFileDownloadStatus is (3:Executing) or (4:Suspending), it is invalid. *When ipeFsUpdateFileStatusis(3:Executing), it is invalid. *When ipeFsUsbProcStatus is (2:Normal :Process executing), it is invalid.</p> <p>[Indispensable condition] *When ipeSysOpFileDownloadModule is 'odu(2)', 'mdprm(3)', or 'raFpga(4)', ipeFsUpdateFileUpdateList setup is indispensable.</p>	-
ipeFsUpdateFileStatus	<p>Update result.</p> <p>0:Invalidity 1:Success 2:Failed 3:Executing 4:Checking 5:SuccessWithoutRestrictedUser</p> <p>*'0:Invalidity' is used as an initial state.</p> <p>*The slot result of the correspondence is set to 'IpeFsUpdateFileStatusDetail', and processing is continued when failing in the two or more slot update.</p> <p>*Pertinent details: ipeFsUpdateFileDetail *Pertinent details: ipeFsUpdateFileStatusDetail</p>	Status

ipeFsUpdateFileStatusDetail	<p>Update result is detailed.</p> <p>OCT: Update result of each slot 1: Completed 2: Failed</p> <p>The slot for which the current state is used becomes the following.</p> <p>OCT[0] : MainBoard OCT[1] : MODEM1 OCT[2] : MODEM2 OCT[3] : Option Card OCT[33]: ODU1 OCT[34]: OCT2</p> <p>*Pertinent details: ipeSysOpFileDownloadCtrl *Pertinent details: ipeFsUpdateFileDetail *Pertinent details: ipeFsUsbCommand</p>	-
ipeFsUpdateFileProgressBase	<p>Progress of update (denominator).</p> <p>*Pertinent details: ipeSysOpFileDownloadModule *Pertinent details: ipeFsUpdateFileStatus</p>	-
ipeFsUpdateFileProgress	<p>Progress of update (molecule).</p> <p>*Pertinent details: ipeSysOpFileDownloadModule *Pertinent details: ipeFsUpdateFileStatus</p>	-
ipeFsUpdateFileUpdateList	<p>Definition of update slot number.</p> <p>Form of file list: When downloading it to ODU/FPGA/MDPRM, the forwarding site slot number is enumerated by a comma end.</p> <p>Ex) 0,5,1,6,10... The slot number of relating MODEM and fpga must set the slot number of Option Card to odu and mdprm according to inventory information.</p> <p>The slot number to which the current state can be set becomes the following.</p> <p>1 : MODEM1 2 : MODEM2 3 : Option Card 33: ODU1 34: ODU2</p> <p>*Pertinent details: ipeFsUpdateFileDetail</p>	-

ipeFsUsbInfoTable

Object Name	Item	Trap Type
ipeFsUsbInfoIndex	The value is fixed at 1.	-
ipeFsUsbInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeFsUsbCommand	<p>USB control mode/USB file path/Program type specification.</p> <p>[Mode],[Arg1],[Type] Mode:USB control mode 0:DL, 1:UL Arg1:object file path -1 (original file path (path from a chroot subordinate) When DL: Inside of USB, When UL: Inside of IPE) Case of DL: Ex.) idu/iPASOLINK200-idufw-v1.00.XX.bin Case of UL: Ex.) export/config/iPASOLINK-network.cfg Type:Program type The program type set to 'ipeSysOpFileDownloadModule' is specified. *The unsetting is allowed for an arbitrary, set item.</p> <p>0: Invalid 1: IDU F/W 2: ODU F/W 3: MODEM Parameter 4: FPGA(Optional Card) 5: FPGA(MainBoard) 6: MSE Card F/W 7: Software License Key 8: Network Config 9: Equipment Config 10: User Config 11: HTTPS Server Certificate</p> <p>*The object file name allows only alphanumeric character '0-9', 'a-z', 'A-Z' of ASCII code, and sign '-_+'.</p> <p>*Pertinent details: ipeSysOpFileDownloadModule *Pertinent details: ipeSysOpFileDownloadStatus *Pertinent details: ipeFsUpdateFileStatus *Pertinent details: ipeFsUsbProcStatus</p> <p>[Race condition] *When ipeSysOpFileDownloadStatus is (3:Executing) or (4:Suspending), (0:DL) is invalid. *When ipeFsUpdateFileStatus is (3:Executing), (0:DL) is invalid. *When ipeFsUsbProcStatus is (2:Normal :Process executing), (0:DL) is invalid.</p>	-

ipeFsUsbProcStatus	<p>Status of USB memory control result.</p> <p>The classification of a setting value and the meaning are as follows.</p> <p>0:Invalidity 1:NORMAL:Normal end 2:NORMAL:Executing 98:ERROR:The lack of free space on disk or media 99:ERROR:File/directory not found 101:ERROR:The kind of designated files,the size, contents, etc. are unjust 102:ERROR:Media aren't inserted 103:ERROR:Media access error (ex:unjust format) 127:ERROR:Undefined error (other errors) When having a control instruction, it's made '2:Executing'.</p> <p>*'0:Invalidity' is used as an initial state.</p> <p>*Pertinent details: ipeFsUsbCommand</p>	Status
ipeFsUsbList	<p>File list format.</p> <p>Form of file list:</p> <p>It's 1 item by 'file name (path from a chroot subordinate), file size,CRC'. Each item is divided at space.</p> <p>*CRC is fixed '0'.</p> <p>Ex) FilePath1/FileName1, size,CRC FilePath2/FileName2,size,CRC...</p>	-
ipeFsUsbConnectStatus	<p>Status of connection USB memory.</p> <p>1:Connect 2:Not connect</p>	Status

2.1.3 ipeConfigurationGroup

For more detailed information on “ifindex”, please refer to appendix.

ipeCfgAuxInTable

Object Name	Item	Trap Type
ipeCfgAuxInIndex	1-6	-
ipeCfgAuxInNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAuxInItemName	Item Name (Input-x) (x : 1-6)	-
ipeCfgAuxInItemType	Alarm Type 1: Alarm In Open 2: Alarm In Close 3: Status	-
ipeCfgAuxInOpenState	String indicated when AUX Input is Open. ASCII 32bytes	-
ipeCfgAuxInCloseState	String indicated when AUX Input is Close. ASCII 32bytes	-
ipeCfgAuxInSeverity	String (severity) indicated when AUX Input is ALARM. 0:Invalid 1:Critical 2:Major 3:Minor 4:Warning	-
ipeCfgAuxInAlarmType	String (AlarmType) indicated when AUX Input is ALARM.	-
ipeCfgAuxInProbableCause	String (ProbableCause) indicated when AUX Input is ALARM.	-

ipeCfgAuxOutTable

Object Name	Item	Trap Type
ipeCfgAuxOutIndex	1-4	-
ipeCfgAuxOutNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAuxOutItemName	Item Name (Output-x) (x : 1-4)	-
ipeCfgAuxOutOpenState	String indicated when AUX Output is Open.	-
ipeCfgAuxOutCloseState	String indicated when AUX Output is Close.	-

ipeCfgNtpServiceTable

Object Name	Item	Trap Type
ipeCfgNtpServiceIndex	The value is fixed at 1.	-
ipeCfgNtpServiceNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgNtpServiceEnable	NTP control enable. 0:Invalid 1:Disabled 2:Enabled	Control

ipeCfgNtpServerMode	NTP server mode. 0:Invalid 1:unicast 2:multicast 3:disabled	Control
ipeCfgNtpClientMode	NTP client mode. 0:Invalid 1:unicast 2:multicast 3:disabled	Control
ipeCfgNtpServerStratum	NTP Stratum. 2-15	Control
ipeCfgNtpServerMulticastPort	NTP server multicast port. (IfIndex value of bridge port)	Control
ipeCfgNtpServerMulticastIntervalTime	Value of NTP multicast polling time. Set in powers of 2. (Range from 4: 16sec – 17: 36H (Default = 6: 64sec))	Control

ipeCfgNtpServerTable

Object Name	Item	Trap Type
ipeCfgNtpServerIndex	1-4	-
ipeCfgNtpServerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgNtpServerAddress	IP Address of NTP server.	Control
ipeCfgNtpVersion	Version of supported NTP message.	Control
ipeCfgNtpPollTime	Value of NTP polling time (second). Set in powers of 2. (Range from 4: 16sec – 17: 36H (Default = 6: 64sec))	Control

ipeCfgFtpServerTable

Object Name	Item	Trap Type
ipeCfgFtpServerIndex	The value is fixed at 1.	-
ipeCfgFtpServerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgFtpServerEnable	FTP control enable. 0:Invalid 1:Service Disable 2:Service Enable 3:Always Enable	-
ipeCfgFtpServerCommandTcpPort	Port number of FTP command. 1-65535	Control
ipeCfgFtpServerDataTcpPort	Port number of FTP data transfer. 1-65535	Control
ipeCfgFtpServerMaxSession	Number of max connections. 1-3	Control

ipeCfgFtpServerAutoDisable	FTP automatic stop control enable. 0:Invalid 1:Disabled 2:Enabled	Control
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ipeConfigurationGroup ipeCfgSftp ipeCfgSftpServerTable

Object Name	Item	Trap Type
ipeCfgSftpServerIndex	The value is fixed at 1.	-
ipeCfgSftpServerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgSftpServerEnable	Https Server enable. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgSftpServerAutoDisable	SFTP automatic stop control enable. 0:Invalid 1:Disabled 2:Enabled	Control

ipeCfgHttpServerTable

Object Name	Item	Trap Type
ipeCfgHttpServerIndex	The value is fixed at 1.	-
ipeCfgHttpServerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgHttpServerEnable	HTTP control enable. 0:Invalid 1:Disabled 2:Enabled	-
ipeCfgHttpServerTcpPort	Port number of HTTP. 1-65535	-

ipeCfgHttpsServerTable

Object Name	Item	Trap Type
ipeCfgHttpsServerIndex	The value is fixed at 1.	-
ipeCfgHttpsServerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgHttpsServerEnable	HTTPS control enable. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgHttpsServerTcpPort	TCP port number of HTTPS. 1-65535	Control

ipeCfgSnmpServerTable

Object Name	Item	Trap Type
ipeCfgSnmpServerIndex	The value is fixed at 1.	-
ipeCfgSnmpServerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgSnmpV1V2cEnable	Indicates the SNMP entity is permitted to receive & process SNMPv1/v2c PDU or is not permitted to do. Even if it is disabled, SNMPv1/v2c Traps is sent. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgSnmpV3Enable	Indicates the SNMP entity is permitted to receive & process SNMPv3 PDU or is not permitted to do. Even if it is disabled, SNMPv3 Traps is sent. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgSnmpServerPort	A UDP port number to receive all SNMP Request-PDU. The reboot of the system is necessary to reflect setting. 1-65535	Control

ipeCfgSnmpCommunityTable

Object Name	Item	Trap Type
ipeCfgSnmpCommunityIndex	The value is fixed at 1.	-
ipeCfgSnmpCommunityNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgSnmpCommunityName	This entity's community name. Please use ASCII code. Set within 31 bytes. The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'.	Control
ipeCfgSnmpCommunityAccessLevel	A access level of a connection using this entry's community name. 0:Invalid 1:Operator Level 2:Config Level 3:Admin Level	Control

ipeCfgSnmpCommunityAccessAddress	<p>An IP Address which is permitted to use this entry's community name.</p> <p>The following address can't be used. 127.0.0.0/8 Loopback 224.0.0.0/4 Multicasts (former Class D) 240.0.0.0/4 Reserved (former Class E)</p>	Control
ipeCfgSnmpCommunityAccessPrefixLength	<p>1:active 4:createAndGo 6:destroy</p> <p>This RowStatus has a status only active(1). You can SET only createAndGo(4) or Destroy(6).</p> <p>1) how to create To create a new row, you must SET objects indicated below.</p> <pre>ipeCfgSnmpCommunityName ipeCfgSnmpCommunityAccessLevel ipeCfgSnmpCommunityAccessAddress ipeCfgSnmpCommunityAccessMask ipeCfgSnmpCommunityRowStatus <- createAndGo(4)</pre> <p>ipeCfgSnmpCommunityIndex is an index of this entry.</p> <p>2) how to destroy To destroy a exist row, you must SET a destroy(6) to ipeCfgSnmpCommunityRowStatus.</p> <p>3) how to modify It is not possible. Please destroy a exist row, and create a new row.</p> <p>< Attention > You have to restart equipment to apply this entry(creating, deleting) to actual movement.</p>	Control

ipeCfgSnmpTrapTable

Object Name	Item	Trap Type
ipeCfgSnmpTrapEntryIndex	The value is fixed at 1.	-
ipeCfgSnmpTrapEntryNEAddresses	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgSnmpTrapVersion	A version of this entry's notification. 0: Invalid 1: v1 2: v2c 3: v3	Control
ipeCfgSnmpTrapNotifyType	A notification type of this entry's notification. 0: Invalid 1: trap 2: inform	Control
ipeCfgSnmpTrapTargetAddress	Destination IP address of this entry's notification. The following address can't be used. 127.0.0.0/8 Loopback 0.0.0.0/0 Current network 224.0.0.0/4 Multicasts (former Class D) 240.0.0.0/4 Reserved (former Class E)	Control
ipeCfgSnmpTrapTargetPort	Destination UDP port this entry's notification. 1-65535	Control
ipeCfgSnmpTrapSecurityName	A security name. The meaning is different depending on ipeCfgSnmpTrapVersion. v1/v2c : It's meaning a community name. v3 : It's meaning a user name. Please use ASCII code. The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'. When there was the same combination to the other index, ipeCfgSnmpTrapSecurityName and ipeCfgSnmpTrapEngineId become error.	Control
ipeCfgSnmpTrapSecurityLevel	A security level of this entry's notification. When ipeCfgSnmpTrapVersion is v1(1) or v2c(2), you have to SET noAuthNoPriv(1). 0: Invalid 1: noAuthNoPriv 2: authNoPriv	Control

	3: authPriv	
ipeCfgSnmpTrapEngineId	<p>A snmpEngineID which this entry's notification uses.(5-32 octet) ipeCfgSnmpTrapNotifyType is effective only at the time of inform(2). A snmpEngineID of a destination SNMP entity.</p> <p>When there was the same combination to the other index, ipeCfgSnmpTrapSecurityName and ipeCfgSnmpTrapEngineId become error.</p>	Control
ipeCfgSnmpTrapAuthAlgorithm	<p>Authentication protocol.</p> <p>0: Invalid 1: md5 2: sha</p> <p>ipeCfgSnmpTrapNotifyType is effective for the SET only at the time of inform(2). Even if it is done SET in the case of trap(1), I am ignored. In addition, a value of ipeCfgAccountUserSnmpV3AuthAlgorithm is acquired at time to get.</p>	Control
ipeCfgSnmpTrapAuthKey	<p>Authenticate password (plane text) encrypted by blowfish.</p> <p>SIZE of SYNTAX is data length after the coding. SYNTAX after the decoding is DisplayString (SIZE(8..31)) .</p> <p>ipeCfgSnmpTrapNotifyType is effective for the SET only at the time of inform(2). Even if it is done SET in the case of trap(1), I am ignored. In addition, a value of ipeCfgAccountUserSnmpV3AuthKey is acquired at time to get.</p>	Control
ipeCfgSnmpTrapPrivAlgorithm	<p>privacy protocol.</p> <p>ipeCfgSnmpTrapNotifyType is effective for the SET only at the time of inform(2). Even if it is done SET in the case of trap(1), I am ignored. In addition, a value of ipeCfgAccountUserSnmpV3PrivAlgorithm is acquired at time to get.</p> <p>0: Invalid 1: des 2: aes</p>	Control
ipeCfgSnmpTrapPrivKey	<p>Privacy password (plane text) encrypted by blowfish.</p> <p>SIZE of SYNTAX is data length after the coding. SYNTAX after the decoding is DisplayString (SIZE(8..31)) .</p> <p>ipeCfgSnmpTrapNotifyType is</p>	Control

	effective for the SET only at the time of inform(2). Even if it is done SET in the case of trap(1), I am ignored. In addition, a value of ipeCfgAccountUserSnmpV3PrivKey is acquired at time to get.	
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ipeCfgAccountUserInfoTable

Object Name	Item	Trap Type
ipeCfgAccountUserIndex	1-14	-
ipeCfgAccountUserNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAccountUserName	User Name. An overlap of a user name isn't permitted. Please use ASCII code. The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'.	Control
ipeCfgAccountUserKey	User Password (plane text) encrypted by blowfish. Please use ASCII code. The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'.	Control
ipeCfgAccountUserGroup	Group Name. Please use ASCII code. The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'.	Control
ipeCfgAccountUserSnmpV3SecurityLevel	SNMPv3 security level. Setting for SET/GET/TRAP at the time of the SNMPv3 use(INFORM is inapplicable)	Control
ipeCfgAccountUserSnmpV3AuthAlgorithm	Hash calculate algorithm of authenticate password. Setting for SET/GET/TRAP at the time of the SNMPv3 use(INFORM is inapplicable)	Control
ipeCfgAccountUserSnmpV3AuthKey	Authenticate password (plane text) encrypted by blowfish. Setting for SET/GET/TRAP at the time of the SNMPv3 use (INFORM is inapplicable)	Control
ipeCfgAccountUserSnmpV3PrivAlgorithm	Cipher algorithm. Setting for SET/GET/TRAP at the time of the SNMPv3 use (INFORM is inapplicable)	Control

ipeCfgAccountUserSnmV3PrivKey	<p>Cipher password (plane text) encrypted by blowfish.</p> <p>Setting for SET/GET/TRAP at the time of the SNMPv3 use (INFORM is inapplicable)</p>	Control
ipeCfgAccountUserRowStatus	<p>1: active 4: createAndGo 6: destroy</p> <p>This RowStatus has a status only active(1).</p> <p>1) creating a entry When you make a new entry, you must SET objects indicated below.</p> <p>ipeCfgAccountUserIndex ipeCfgAccountUserName ipeCfgAccountUserKey ipeCfgAccountUserGroup ipeCfgAccountUserSnmV3SecurityLevel ipeCfgAccountUserSnmV3AuthAlgorithm ipeCfgAccountUserSnmV3AuthKey ipeCfgAccountUserSnmV3PrivAlgorithm ipeCfgAccountUserSnmV3PrivKey ipeCfgAccountUserRowStatus <- createAndGo(4)</p> <p>2) modifying a entry ipeCfgAccountUserKey can only be changed. Other items can not be updated. Please do destroy of entry and a create.</p> <p>3) deleting a entry When you SET a destroy(6) to ipeCfgAccountUserRowStatus, the entry is destroyed.</p>	-

ipeCfgAccountGroupInfoTable

Object Name	Item	Trap Type
ipeCfgAccountGroupIndex	1-10	-
ipeCfgAccountGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAccountGroupName	<p>Group name. An overlap of a group name isn't permitted.</p> <p>Please use ASCII code.</p> <p>The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'.</p>	Control

ipeCfgAccountGroupFtp	FTP enable. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgAccountGroupSftp	SFTP enable. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgAccountGroupHttp	HTTP enable. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgAccountGroupHttps	HTTPS enable. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgAccountGroupSnmp	SNMP enable. 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgAccountGroupAccessLevel	Access level. 0: Invalid 1: Operator Level 2: Config Level 3: Admin Level	Control
ipeCfgAccountGroupRowStatus	<p>1: active 4: createAndGo 6: destroy</p> <p>This RowStatus has a status only 'active(1)'.</p> <p>1) creating a entry. When you make a new entry, you must SET objects indicated below.</p> <p>ipeCfgAccountGroupName ipeCfgAccountGroupTelnet ipeCfgAccountGroupSsh ipeCfgAccountGroupFtp ipeCfgAccountGroupSftp ipeCfgAccountGroupHttp ipeCfgAccountGroupHttps ipeCfgAccountGroupSnmp ipeCfgAccountGroupAccessLevel ipeCfgAccountGroupRowStatus <- createAndGo(4)</p> <p>ipeCfgAccountGroupIndex is an index of this entry.</p> <p>2) deleting a entry. When you SET a destroy(6) to ipeCfgAccountGroupRowStatus, the entry is destroyed.</p> <p>3) modifying a entry It is not possible. Please destroy a exist row, and create a new row.</p>	-

ipeCfgAccount ipeCfgUserAccountAuthTable

Object Name	Item	Trap Type
ipeCfgUserAccountAuthIndex	The value is fixed at 1.	-
ipeCfgUserAccountAuthNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgUserAccountAuthMode	Authentication Method 0:Invalid 1:IDU Only 3:IDU + RADIUS	Control
ipeCfgUserAccountAuthOrder	Authentication Sequence 0:Invalid 1:IDU -> RADIUS Server 2:RADIUS Server -> IDU	Control
ipeCfgUserAccountAuthTrapLocal	Login Result 0:Invalid 1:Success 2:Failure	Control
ipeCfgUserAccountAuthTrapExternal	Login Result 0:Invalid 1:Success 2:Failure	Control

ipeCfgStpGroup ipeCfgStpBridgeTable

Object Name	Item	Trap Type
ipeCfgStpBridgeIndex	1-13	-
ipeCfgStpBridgeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgStpEnable	Effective/Invalid setting of STP. 1: Enabled 2: Disabled	-
ipeCfgStpPriority	Bridge priority. value range:0 to 65535	-
ipeCfgStpBridgeMaxAge	MaxAge (in units of hundredths of a second). value range:600 to 4000 rule: $2 * (\text{ipeCfgStpBridgeForwardDelay} - 1) \Rightarrow \text{ipeCfgStpBridgeMaxAge}$ $\text{ipeCfgStpBridgeMaxAge} \geq 2 * (\text{ipeCfgStpBridgeHelloTime} + 1)$	-
ipeCfgStpBridgeHelloTime	HelloTime (in units of hundredths of a second). value range:100 to 1000 rule: $\text{ipeCfgStpBridgeMaxAge} \geq 2x(\text{ipeCfgStpBridgeHelloTime} + 1)$	-
ipeCfgStpBridgeForwardDelay	ForwardDelay (in units of hundredths of a second). value range:400 to 3000 rule: $2 * (\text{ipeCfgStpBridgeForwardDelay} - 1) \geq \text{ipeCfgStpBridgeMaxAge}$	-

ipeCfgPortGroup ipeCfgPortLctTable

Object Name	Item	Trap Type
ipeCfgPortLctIfIndex	1-13	-
ipeCfgPortLctNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortLctEnable	Effective/Invalid setting of LCT port. value range: enabled(1) disabled(2)	-
ipeCfgPortLctAutoNeg	Effective/Invalid setting of LCT AUTO NEGOTIATION. 1:Enabled 2:Disabled	-

ipeCfgPortGroup ipeCfgPortEtherTable

Object Name	Item	Trap Type
ipeCfgPortEtherIfIndex	IfIndex(NMS/NE1 Port)	-
ipeCfgPortEtherNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortEtherEnable	Effective/Invalid setting of NMS/NE1 port. 1:Enabled 2:Disabled	-
ipeCfgPortEtherAutoNeg	Auto negotiation invalid effective/setting of NMS/NE1 port. 1:Enabled 2:Disabled	-
ipeCfgPortEtherSpecialFilter	Setting of whether a special broadcast packet is blocked. 1:True 2:False	-
ipeCfgPortEtherLldpMode	LLDP Mode 0:Invalid 1:Standard 2:Proprietary MAC	Control

ipeCfgPortGroup ipeCfgPortNe2Table

Object Name	Item	Trap Type
ipeCfgPortNe2IfIndex	IfIndex(NE2 Port)	-
ipeCfgPortNe2NEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortNe2IpAddress	NE2 port IP Address. value range:0x00000000 - 0xdfffffff(0.0.0.0 - 223.255.255.255) The ppp function is restarted when setting it.	-
ipeCfgPortNe2Enable	NE2 port enable. 1:Enabled 2:Disabled	Control
ipeCfgPortNe2Speed	NE2 port baud rate. value range:9600bps(9600) 19200bps(19200) The ppp function is restarted when setting it.	Control

ipeCfgPortGroup ipeCfgPortInbandTable

Object Name	Item	Trap Type
ipeCfgPortInbandIfIndex	IfIndex(Inband)	-
ipeCfgPortInbandNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortInbandIpAddress	IP Address of INBAND Management VLAN port. A set value becomes a binary. It makes an error of the Internet Protocol address setting that overlaps in the port in the device. The object port and the range of the value are described as follows. Object port: Lct, InbandMngVLAN, Bridge1-Bridge13, NE2 Value range: 0x00000000 - 0xdffffff(0.0.0.0 - 223.255.255.255) The relation is not in the state and the number of Branch of interfaces and the Internet Protocol address repetition check is checked. When 0.0.0.0 is set to ipeCfgPortInbandIpAddress, it becomes an Internet Protocol address deletion.	-
ipeCfgPortInbandNetMask	Subnet mask of INBAND Management VLAN port. A set value becomes a binary. Value range: 0x00000000 - 0xffffffff(0 - 30bit)	Control
ipeCfgPortInbandEnable	Effective/Invalid setting of INBAND Management VLAN port. 1: Enabled 2: Disabled	Control
ipeCfgPortInbandVlanId	VLAN ID of INBAND Management VLAN port. value range: 1 to 4094	Control
ipeCfgPortInbandCos	CoS value of INBAND Management VLAN port value range: 0 to 7	Control

ipeCfgPortGroup ipeCfgPortMainEtherTable

Object Name	Item	Trap Type
ipeCfgPortMainEtherIfIndex	Index Type is "ifindex". Slot Number 1: Main Board Port Number 1-6 Path Number 0	-
ipeCfgPortMainEtherNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortMainEtherLldpMode	LLDP Mode 0: Invalid 1: Standard 2: Proprietary MAC	Control

ipeCfgBridgeGroup**ipeCfgBridgeTable**

Object Name	Item	Trap Type
ipeCfgBridgeIndex	1-13	-
ipeCfgBridgeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgBridgeIpAddress	<p>IPAddress set to bridge. A set value becomes a binary. Value range:0x00000000 - 0xffffffff(0.0.0.0 - 223.255.255.255)</p> <p>It makes an error of the Internet Protocol address setting that overlaps in the port in the device. It becomes the following about the port of the Internet Protocol address repetition check object. Object port: Lct, InbandMngVLAN, Bridge1-Bridge13, NE2 The relation is not in the state and the number of Branch of interfaces and the Internet Protocol address repetition check is checked.</p> <p>There can not be relation and it sets, and it refer the number of branch. When 0.0.0.0 is set to ipeCfgBridgeIpAddress, it becomes an Internet Protocol address deletion.</p>	-
ipeCfgBridgeNetMask	<p>Netmask set to bridge. A set value becomes a binary. Value range:0x00000000 - 0xffffffffc(0 - 30bit)</p> <p>There can not be relation and it sets, and it refer the number of branch.</p>	Control
ipeCfgBridgeMtu	<p>MTU value of bridge. value range:256 to 1500</p> <p>There can not be relation and it sets, and it refer the number of branch.</p>	-

ipeCfgBridgeGroup**ipeCfgBridgePortTable**

Object Name	Item	Trap Type
ipeCfgBridgePortIfIndex	ifindex(NMS/NE1/E1/MODEM No.1/MODEM No.2)	-
ipeCfgBridgePortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgBridgePortBridgeIndex	Index value of bridge. 0-18	-

ipeCfgNaptGroupipeCfgNaptTable

Object Name	Item	Trap Type
ipeCfgNaptIndex	The value is fixed at 1.	-

ipeCfgNaptNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgNaptEnable	Address translation invalid effective/setting by NAPT. 1:Enabled 2:Disabled	Control

ipeCfgStaticRouteGroup ipeCfgStaticRouteTable

Object Name	Item	Trap Type
ipeCfgRouteIndex	1-128	-
ipeCfgRouteNEAddress	iPASOLINK NE IP Address (used as index of this table)	-

ipeCfgRouteDest	Static routing object destination Ipaddress. A set value becomes a binary. Value range:0x00000000-0xffffffff(0.0.0.0-223.255.255.255) Destination IPAddress is unique.When same destination IPAddress has already existed on NetConfig, it is an error. The value acquisition when unsetting it returns NoSuchObject.	Control
ipeCfgRouteMask	Static routing object subnet mask. A set value becomes a binary. Value range:0x00000000-0xffffffffc(0-30bit) Only when ipeCfgRouteDest is 0, 0bit is allowed. The value acquisition when unsetting it returns NoSuchObject.	Control
ipeCfgRouteNextHop	Static routing object gateway address. A set value becomes a binary. Value range:0x80000000 - 0xffffffff(0.0.0.1 - 223.255.255.255) The value acquisition when unsetting it returns NoSuchObject.	Control

ipeCfgAccessListGroup ipeCfgAccessListRuleTable

Object Name	Item	Trap Type
ipeCfgAccessListRuleEnableIndex	Index of this ipeCfgAccessListRuleEntry. It's a fixed value(=1).	-
ipeCfgAccessListRuleNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAccessListInputRuleEnable	True or False Access List (Input Direction). 1:True 2:False	Control
ipeCfgAccessListForwardRuleEnable	True or False AccessList (Forward Direction). 1:True 2:False	Control
ipeCfgAccessListInputDefaultAction	Default filtering action setting of AccessList (Input Direction). 1:Permit 2:Deny	Control
ipeCfgAccessListForwardDefaultAction	Default filtering action setting of AccessList (Forward Direction). 1:Permit 2:Deny	Control

ipeCfgAccessListGroup ipeCfgAccessListInputTable

Object Name	Item	Trap Type
ipeCfgAccessListInputOrderNum	Index of table (1-50).	-
ipeCfgAccessListInputNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAccessListInputInIfIndex	Input interface index of Access List. Value range:NE2, Inband VLAN, Bridge1-20, any (When 'any' is set, 'any' contains all interface.)	-
ipeCfgAccessListInputSrcIpAddress	Source IP address of Access List. A set value becomes a binary. Value range:0x00000000-0xffffffff(0.0.0.0-255.255.255.255) (When you set IP address and netmask to '0.0.0.0', IP address contains all IP address.)	Control
ipeCfgAccessListInputSrcNetMask	Source netmask of Access List. A set value becomes a binary. Value range:0x00000000-0xffffffff(0.0.0.0-255.255.255.255) A convertible value is input as prefix length value (0-32). (When you set IP address and netmask to '0.0.0.0', IP address contains all IP address.)	Control
ipeCfgAccessListInputProtocol	Protocol of Access List. Value range:-1,1 to 255 (When '-1' is set, '-1' contains all protocols.)	Control
ipeCfgAccessListInputDstPortNum	Destination port number of Access List. Value range:-1 to 65535 (When '-1' is set, '-1' contains all port numbers.)	Control
ipeCfgAccessListInputAction	Filtering action setting of Access List. 1:Permit 2:Deny	Control
ipeCfgAccessListInputRowStatus	This RowStatus has a status only 'active(1)'. 1) creating a entry When you make a new entry, you must SET objects indicated below. ipeCfgAccessListInputActi	-

	<p>on ipeCfgAccessListInputRowStatus <- createAndGo(4)</p> <p>When you are not setting a value of items as follows, it is set as 'any'. ipeCfgAccessListInputInflIndex ipeCfgAccessListInputSrcIpAddress ipeCfgAccessListInputSrcNetMask(*1) ipeCfgAccessListInputProtocol ipeCfgAccessListInputDstPortNum(*2)</p> <p>*1 When you not set ipeCfgAccessListInputSrcIpAddress, even when ipeCfgAccessListInputSrcNetMask is set, it is set as 'any'. When ipeCfgAccessListInputSrcIpAddress set to 'any', ipeCfgAccessListInputSrcNetMask is set as 'any'. *2 When you not set ipeCfgAccessListInputProtocol to '6' or '17', even when ipeCfgAccessListInputDstPortNum is set, it is set as 'any'.</p> <p>2) modifying a entry It isn't possible.</p> <p>3) deleting a entry</p>	
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ipeCfgAccessListGroup ipeCfgAccessListForwardTable

Object Name	Item	Trap Type
ipeCfgAccessListForwardOrderNum	Index of table (1-50).	-
ipeCfgAccessListForwardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAccessListForwardInflIndex	Input interface index of Access List. Value range: NE2, Inband VLAN, Bridge1-20, any (When 'any' is set, 'any' contains all interface.)	-
ipeCfgAccessListForwardOutflIndex	Output interface index of Access List. Value range: NE2, Inband VLAN, Bridge1-20, any (When 'any' is set, 'any' contains all interface.)	-

ipeCfgAccessListForwardSrcIpAddress	Source IP address of Access List. A set value becomes a binary. Value range:0x00000000-0xffffffff (0.0.0.0-255.255.255.255) (When you set IP address and netmask to '0.0.0.0', IP address contains all IP address.)	Control
ipeCfgAccessListForwardSrcNetMask	Source netmask of Access List. A set value becomes a binary. Value range:0x00000000-0xffffffff (0.0.0.0-255.255.255.255) A convertible value is input as prefix length value (0-32). (When you set IP address and netmask to '0.0.0.0', IP address contains all IP address.)	Control
ipeCfgAccessListForwardDstIpAddress	Destination IP address of Access List. A set value becomes a binary. Value range:0x00000000-0xffffffff (0.0.0.0-255.255.255.255) (When you set IP address and netmask to '0.0.0.0', IP address contains all IP address.)	Control
ipeCfgAccessListForwardDstNetMask	Destination netmask of Access List. A set value becomes a binary. Value range:0x00000000-0xffffffff (0.0.0.0-255.255.255.255) A convertible value is input as prefix length value (0-32). (When you set IP address and netmask to '0.0.0.0', IP address contains all IP address.)	Control
ipeCfgAccessListForwardProtocol	Protocol of Access List. Value range:-1,1 to 255 (When '-1' is set, '-1' contains all protocols.)	Control
ipeCfgAccessListForwardSrcPortNum	Source port number of Access List. Value range:-1 to 65535 (When '-1' is set, '-1' contains all port numbers.)	Control

ipeCfgAccessListForwardDstPortNum	Destination port number of Access List. Value range:-1 to 65535 (When '-1' is set, '-1' contains all port numbers.)	Control
ipeCfgAccessListForwardAction	Filtering action setting of Access List. 1:Permit 2:Deny	Control
ipeCfgAccessListForwardRowStatus	<p>This RowStatus has a status only 'active(1)'.</p> <p>1) creating a entry When you make a new entry, you must SET objects indicated below. ipeCfgAccessListForward Action ipeCfgAccessListForward RowStatus <- createAndGo(4)</p> <p>When you are not setting a value of items as follows, it is set as 'any'. ipeCfgAccessListForwardInIfIndex ipeCfgAccessListForwardOutIfIndex ipeCfgAccessListForwardSrcIpAddress ipeCfgAccessListForwardSrcNetMask(*1) ipeCfgAccessListForwardDstIpAddress ipeCfgAccessListForwardDstNetMask(*2) ipeCfgAccessListForwardProtocol ipeCfgAccessListForwardSrcPortNum(*3) ipeCfgAccessListForwardDstPortNum(*3)</p> <p>*1 When you not set ipeCfgAccessListForwardSrcIpAddress, even when ipeCfgAccessListForwardSrcNetMask is set, it is set as 'any'.When ipeCfgAccessListForwardSrcIpAddress set to 'any', ipeCfgAccessListForwardSrcNetMask is set as 'any'.</p> <p>*2 When you not set ipeCfgAccessListForwardDstIpAddress, even when ipeCfgAccessListForwardDstNetMask is set, it is set as 'any'.When ipeCfgAccessListForwardDstIpAddress set to 'any', ipeCfgAccessListForward</p>	-

	<p>DstNetMask is set as 'any'.</p> <p>*3 When you not set ipeCfgAccessListForward Protocol to '6' or '17',, even when ipeCfgAccessListForward SrcPortNum and ipeCfgAccessListForward DstPortNum are set, it is set as 'any'.</p> <p>2) modifying a entry It isn't possible.</p> <p>3) deleting a entry When you SET a destroy(6) to ipeCfgAccessListForward RowStatus, the entry is destroyed.</p>	
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ipeConfigurationGroup**ipeCfgRadiusGroup****ipeCfgRadiusGeneralTable**

Object Name	Item	Trap Type
ipeCfgRadiusGeneralIndex	The value is fixed at 1.	-
ipeCfgRadiusGeneralNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgRadiusGeneralAuthClientRetransmit	Retry Count Total number of attempts made to resent ACCESS-REQUEST message Range: 0..255	Control
ipeCfgRadiusGeneralAuthClientTimeout	Timeout Time waited until ACCESS-REQUEST message is considered expired Range: 0..65535	Control

ipeConfigurationGroup**ipeCfgRadiusGroup****ipeCfgRadiusAuthServerExtTable**

Object Name	Item	Trap Type
ipeCfgRadiusAuthServerExtIndex	Range: 1..3	-
ipeCfgRadiusAuthServerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgRadiusAuthServerAddressType	IP version info of RADIUS server 0:Invalid 1:IPv4 2:IPv6	Control
ipeCfgRadiusAuthServerAddress	IP Address	Control
ipeCfgRadiusAuthClientServerPortNumber	Port number of RADIUS server Range: 0..65535	Control

ipeCfgRadiusAuthClientPasswordType	Encryption Method 0:Invalid 1:User 2:CHAP	Control
ipeCfgRadiusAuthClientSecretKey	Authentication key used by RADIUS server Display String Size: 8..128	Control
ipeCfgRadiusAuthServerExtRowStatus	RADIUS Server 0:Invalid 1:active 4:createAndGo 6:destroy	Control

ipeConfigurationGroup ipeCfgRadiusGroup
ipeCfgRadiusPrivLevelGeneralTable

Object Name	Item	Trap Type
ipeCfgRadiusPrivLevelGeneralIndex	The value is fixed at 1.	-
ipeCfgRadiusPrivLevelGeneralNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgRadiusPrivLevelGeneralDefaultAction	Default Permissions 0:Invalid 1:Deny Login 2:Default Group	Control
ipeCfgRadiusPrivLevelGeneralDefaultGroup	Group name when ipeCfgRadiusPrivLevelGeneralDefaultAction is useDefaultGroup Display String Size: 1..32	Control

ipeConfigurationGroup ipeCfgRadiusGroup
ipeCfgRadiusGroupPrivLevelMappingTable

Object Name	Item	Trap Type
ipeCfgRadiusGroupPrivLevelMappingPrivLevel	Privilege level (notified by ACCESS-ACCEPT) Range: 0..15	-
ipeCfgRadiusGroupPrivLevelMappingNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgRadiusGroupPrivLevelMappingEnable	Privilege Level Mapping 0:Invalid 1:Default Permissions 2:Enabled(Enable)	Control
ipeCfgRadiusGroupPrivLevelMappingGroup	Group Name ASCII 32Bytes	Control

ipeCfgLldpGroup ipeCfgLldpTable

Object Name	Item	Trap Type
ipeCfgLldpIndex	The value is fixed at 1.	-
ipeCfgLldpNEAddress	iPASOLINK NE IP Address (used as index of this table)	-

ipeCfgLldpProprietaryModeMacAddress	LLDP MAC Address (Proprietary MAC)	Control
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ipeCfgMgmtTrafficGrop ipeCfgMgmtTrafficControlTable

Object Name	Item	Trap Type
ipeCfgMgmtTrafficControlIndex	The value is fixed at 1.	-
ipeCfgMgmtTrafficControlNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgMgmtTrafficRate	Bandwidth Limitation Range: 0,500-10000	Control
ipeCfgMgmtTrafficEgressCos	CoS Range: 5-7	Control

ipeCfgDhcpGroup ipeCfgDhcpMainServerTable

Object Name	Item	Trap Type
ipeCfgDhcpMainServerIndex	The index values are from 1 to 16.	-
ipeCfgDhcpMainServerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgDhcpMainServerEnable	DHCP Enabled 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgDhcpMainServerMode	DHCP Server / Relay Mode 0:Invalid 1:DHCP Server 2:DHCP Relay	Control
ipeCfgDhcpMainServerInterface	Bridge No. (IfIndex)	Control
ipeCfgDhcpMainServerIpAddr	DHCP Server Address	Control
ipeCfgDhcpMainServerLeaseTime	Lease Time Range: 0, 60-259200	Control
ipeCfgDhcpMainServerLeaseAddrRangeBegin	IP Address Range (Start)	Control
ipeCfgDhcpMainServerLeaseAddrRangeEnd	IP Address Range (End)	Control
ipeCfgDhcpMainServerLeaseAddrExcludeBegin	Exception (Start)	Control
ipeCfgDhcpMainServerLeaseAddrExcludeEnd	Exception (End)	Control
ipeCfgDhcpMainServerOptGatewayAddrEnable	Default Gateway Address Enable 0:Invalid 1:Same as Bridge Interface 2:Specify 3:Disabled	Control
ipeCfgDhcpMainServerOptGatewayAddr	Default Gateway Address	Control
ipeCfgDhcpMainServerOptDnsServerPrimary	DNS Server Address (Primary)	Control

ipeCfgDhcpMainServerOptDnsServerSecondary	DNS Server Address (Secondary)	Control
ipeCfgDhcpMainServerOptSpecifyEnable	Other Option Enable 0:Invalid 1:Disabled 2:Enabled	Control
ipeCfgDhcpMainServerOptSpecifyId	Other Option ID Range: 0-255	Control
ipeCfgDhcpMainServerOptSpecifyType	Other Option Type 0:Invalid 1:IP Address 2:IPv6 Address 3:String 4:Octet String	Control
ipeCfgDhcpMainServerOptSpecifyValue	Other Option Value	Control
ipeCfgDhcpMainServerSecurityLevel	Security Level 0:Invalid 1:Any 2:Only Registered	Control
ipeCfgDhcpMainServerRegisteredMacId	DHCP No. Range: 0-3	Control

ipeCfgDhcpGroup ipeCfgDhcpMainRegisteredMacTable

Object Name	Item	Trap Type
ipeCfgDhcpMainRegisteredMacId	The index values are from 1 to 3.	-
ipeCfgDhcpMainRegisteredMacNo	The index values are from 1 to 256.	-
ipeCfgDhcpMainRegisteredMacNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgDhcpMainRegisteredMacAddr	MAC Address	Control
ipeCfgDhcpMainRegisteredMacIpAddr	IP Address	Control
ipeCfgDhcpMainRegisteredMacRowStatus	Row Status 0:Invalid 1:active 4:createAndGo 6:destroy	Control

2.1.4 ipeCommunicationsGroup

For more detailed information on “ifindex”, please refer to appendix.

ipeCommunicationsGroup ipeNeighborInfoTable

Object Name	Item	Trap Type
ipeNeighborInfoIndex	Index of table.	-
ipeNeighborInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-

ipeNeighborIpAddress	Neighbor NE is displayed as unit of registration every eight bytes of Internet Protocol address (4byte) + Node TYPE (4byte). The number of maximum registration is 30 (240byte). attention: ne2 set the IpAddress only, do not set the Node type.	Status
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2.1.5 ipeStatusGroup

For more detailed information on “ifindex”, please refer to appendix.

ipeStsPort ipeStsPortEtherTable

Object Name	Item	Trap Type
ipeStsPortEtherIfIndex	Index of table (Valid Value : NMS/NE1/LCT/E1).	-
ipeStsPortEtherNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeStsPortEtherLinkUp	Link Up/Down of I/F. value range:1 LinkUp 2 LinkDown	-
ipeStsPortEtherSpeed	Speed of I/F. value range:10 10Mb/s 100 100Mb/s 1000 1000Mb/s	Control
ipeStsPortEtherDuplex	Duplex of I/F. value range:1 half duplex 2 full duplex	Control
ipeStsPortEtherFlowControl	FlowControl of I/F. value range:0 flowctl none 1 receive only 2 transfer only 3 receive and transfer	-

ipeStsDhcpGroup ipeStsDhcpMainLeaseTable

Object Name	Item	Trap Type
ipeStsDhcpMainLeaseServerIndex	The index values are from 1 to 3.	-
ipeStsDhcpMainLeaseIpAddr	IP Address	-
ipeStsDhcpMainLeaseNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeStsDhcpMainLeaseMacAddr	MAC Address	Control

ipeStsDhcpMainLeaseDateAndTime	Date and Time MM/dd/yyyy HH:mm:ss	Control
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2.1.6 ipeCommandGroup

For more detailed information on “ifindex”, please refer to appendix.

ipeCmdDhcpGroup ipeCmdDhcpMainTable

Object Name	Item	Trap Type
ipeCmdDhcpMainIndex	The index values are from 1 to 3.	-
ipeCmdDhcpMainLeaseIpAddr	IP Address (All:0.0.0.0)	-
ipeCmdDhcpMainNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCmdDhcpMainManualDelete	Forced Release 0:Invalid 1:Normal 2:Release	Control

2.2 pasoNeolpe-common

This group includes the information of the detailed MIB object of iPASOLINK 100/200 equipments.

Following is a detailed list of pasoNeolpe-common which is supported by upper SNMP function of iPASOLINK 100/200. Please refer to appendix for further details with regards to each file name shown in the list.

File Name	Table Name
MIB-PNMSJ-IPASOLINK-100-200-COMMON-MIB.my	alarmSummaryCommonInfoTable
	alarmSummaryIduSlotInfoTable
	alarmSummaryIduSwGrpInfoTable
	alarmSummaryOduInfoTable
	alarmSummaryPmonTcnInfoTable
	alarmSummaryCtrlInfoTable
	alarmSummaryRmonTcnInfoTable
	oduGroupTable
	oduSwGroupTable
	modemGroupTable
	modemXpicTable
	modemCardTable
	asModemHeaderCompressTable
	asModemHeaderCompressRemoteTable
	ctrlGroupTable
	sncpGroupTable
	auxGroupTable
	clkCommonTable
	clkRefTable
	extClkGroupTable
	fanGroupTable
	psGroupTable
	tcn15minDataRadioTable
	tcn15minRxLevTable
	tcn15minDataTmRsTable
	tcn15minDataTmDMRRsTable
	tcn15minDataChRsTable
	tcn15minDataChMsTable
	tcn15minData16E1PdhTable
	tcn1dayDataRadioTable
	tcn1dayRxLevTable
	tcn1dayDataTmRsTable
	tcn1dayDataTmDMRRsTable
	tcn1dayDataChRsTable
	tcn1dayDataChMsTable
	tcn1dayData16E1PdhTable
	tcn15minDataRmonTable
	tcn1dayDataRmonTable
	hkInputStatusTable
	hkOutputStatusTable
	asStm1ChPortTable
	asStm1PortTable
	asStm1ChTable
	asStm1CardTable
	asE1CardTable
	asE1ChTable
	asRstpBridgeTable
	asRstpPortTable
	asEthOamMepCcmFaultTable

	asEthOamMegCcmFaultTable
	asFdbEquipmentTable
	asFdbPortTable
	asFdbVlanTable
	asLlfGroupTable
	asETHPortTable
	iduCommonTable
	asCardLicenseTable
	esCommonTable
	esModemTable
	esModemSwGroupTable
	esStm1PortModeTable
	provAlarmCommonTable
	provAlarmEventTable
	provE1ChSetTable
	provAisGenerationTable
	provAisSettingTable
	provModemSettingTable
	provSWCondTable
	provAmrSWCondTable
	provTxPowerContTable
	provAlmModeTable
	provRadioBERThresholdTable
	provStm1BERThresholdTable
	provPMONSelectTable
	provTCNThreshhold15minRadioTable
	provTCNThreshhold15minTmRsTable
	provTCNThreshhold15minTmDMRRsTable
	provTCNThreshhold15minChRsTable
	provTCNThreshhold15minChMsTable
	provTCNThreshhold15min16E1PdhTable
	provTCNThreshhold1dayRadioTable
	provTCNThreshhold1dayTmRsTable
	provTCNThreshhold1dayTmDMRRsTable
	provTCNThreshhold1dayChRsTable
	provTCNThreshhold1dayChMsTable
	provTCNThreshhold1day16E1PdhTable
	provTCNThreshhold15minRmonTable
	provDXCTable
	provE1SncpTable
	provStm1PortSetTable
	provStm1ChPortSetTable
	provStm1CardSetTable
	provExtClockTable
	provClkSelectTable
	provTimingSourceSelectTable
	provRelayConfigTable
	provClusterAssignInputTable
	provEOWCallPolarityTable
	provSCAssignNoteTable
	provSoftkeyTable
	provVlanEquipmentTable
	provVlanNameTable
	provVlanCounterTable
	provQosEquipmentTable
	provQosClassifyTable
	provQosIngressPolicingProfileTable
	provQosIngressPolicingTable
	provQosEgressPortTable

	provQosEgressTable
	provQosFloodControlEquipmentTable
	provQosFloodControlTable
	provQosPortClassifyTable
	provQosPortClassifyDscpTable
	provQosVlanClassifyDefaultTable
	provQosVlanClassifyTable
	provRstpExtBridgeTable
	provRstpExtPortTable
	provEthOamMegTable
	provEthOamMipTable
	provEthOamMepTable
	provEthOamPeerListTable
	provFdbEquipmentTable
	provFdbVlanTable
	provFdbStaticEntryTable
	provFdbPortTable
	provLlfGroupTable
	provLlfPortTable
	provLlfGroupIgnoreTable
	provFilterProfileTable
	provFilterL2ProtoTable
	provETHPortFwdTable
	provETHPortTable
	provETHPortMtuTable
	maintCommonTable
	maintCardTable
	maintIduResetTable
	maintModemTable
	maintSwGroupTable
	maintE1SystemTable
	maintEthOamLbResultMacTable
	maintEthOamDmResultTable
	maintEthOamLmTable
	maintEthOamLmResultTable
	maintClearLogTable
	invMainInfoTable
	invCardInfoTable
	invFPGAInfoTable
	invModuleInfoOduTable
	invUpdateInfoTable
	nvSfpInfoTable
	invSoftkeyInfoTable
	invClk2mInfoTable
	invMacAddressInfoTable
	invModemParamInfoTable
	invChassisInfoTable
	meteringTable
	meteringSfpTable
	meteringFanTable
	pmon15minDataRadioTable
	pmon15minDataTmRsTable
	pmonTxRxLev15minCurrentDataTable
	pmonTxRxLev1dayCurrentDataTable
	rmon15minPortTable
	rmon1dayPortTable
MIB-PNMSJ-IPASOLINK-100-200-MSE-MIB.my	asMseCardTable
	asMseLineTable
	provMseLineModeTable

	provMseClockModeTable
	provMseClockModeExtTable
	provMseClockSelectTable
MIB-PNMSJ-IPASOLINK-100-200-LAG-MIB.my	asLinkAggrGroupTable
	asLinkAggrPortTable
	provLinkAggrGroupTable
MIB-PNMSJ-IPASOLINK-100-200-ETH-RING-MIB.my	asEtherRingTable
	asEtherRingPortTable
	provEtherRingTable
	provEtherRingPortTable
	provEtherRingCtrlVlanTable
	provEtherRingMemberVlanTable
	provEtherRingRPLPortTable
	provEtherRingTimerTable
	provEtherRingEquipmentTable
	maintEtherRingLoopDetectClearTable
	maintEtherRingSwitchControlTable
MIB-PNMSJ-IPASOLINK-100-200-DOT3OAM-MIB.my	asDot3OamPortTable
	asDot3OamPeerTable
	asDot3OamPortAlarmTable
	provDot3OamPortTable
	provDot3OamEventTable
	maintDot3OamLoopbackPortTable
MIB-PNMSJ-IPASOLINK-100-200-MSTP-MIB.my	asMstpBridgeCistTable
	asMstpBridgeMstTable
	asMstpPortCistTable
	asMstpPortMstTable
	provMstpBridgeTable
	provMstpBridgeCistTable
	provMstpBridgeMstTable
	provMstpPortCistTable
	provMstpPortMstTable
MIB-PNMSJ-IPASOLINK-100-200-PW-MIB.my	maintMstpBridgeTable
	- No tables available -

2.2.1 summaryGroup

The object ID's in this group defines summary (total) status of agent (iPASOLINK NE) as follows.

alarmSummaryGroup alarmSummaryCommonInfoTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
alarmSummaryCommonInfoIndex	The value is fixed at 1.	-	-	-
alarmSummaryCommonInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmTotalSummary	Total Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning This Object is the total summary of IDU, ODU, PMON(TCN), RMON(TCN) and AUX Input.	Alarm	-	-
alarmIduSummary	IDU Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning This object is the total summary of IDU(Slot) and Main Board.	Alarm	-	-
alarmCtrlSummary	Main Board Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmOduSummary	ODU Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmAuxInputSummary	AUX Input Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

alarmPmonTcnSummary	PMON TCN Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmRmonTcnSummary	RMON TCN Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmRmonTcnCtrlSummary	RMON TCN Main Board Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

alarmSummaryGroup**alarmSummaryIduSlotInfoTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
alarmSummaryIduSlotInfoIndex	1:Main Card 2:MODEM No.1 3:MODEM No.2 4:Option(16E1) or Option(STM-1) or Option(MSE) 5:AUX 6:PS 7:Option(PS) 8:FAN	-	-	-
alarmSummaryIduSlotInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmIduSlotSummary	IDU Slot Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

alarmSummaryGroup alarmSummaryIduSwGrpInfoTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
alarmSummaryIduSwGrpInfoIndex	The value is fixed at 1.	-	-	-
alarmSummaryIduSwGrpInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmIduSwGrpSummary	IDU SW GRP Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

alarmSummaryGroup alarmSummaryOduInfoTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
alarmSummaryOduInfoIndex	2:ODU No.1 3:ODU No.2	-	-	-
alarmSummaryOduInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmOduEachSummary	ODU Each Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

alarmSummaryGroup alarmSummaryPmonTcnInfoTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
alarmSummaryPmonTcnInfoIndex	1:Main Card 2:MODEM No.1 3:MODEM No.2 4:Option(16E1) or Option(STM-1) or Option(MSE)	-	-	-
alarmSummaryPmonTcnInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmPmonTcnSlotSummary	PMON (TCN) Slot Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

alarmSummaryGroup alarmSummaryCtrlInfoTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
alarmSummaryCtrlInfoIndex	The value is fixed at 1.	-	-	-
alarmSummaryCtrlInfoNEAddresses	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmEoamSummary	ETH-OAM Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmRmonEoamSummary	RMON ETH-OAM Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

alarmSummaryGroup alarmSummaryRmonTcnInfoTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
alarmSummaryRmonTcnInfoIndex	1:Main Card 2:MODEM No.1 3:MODEM No.2	-	-	-
alarmSummaryRmonTcnInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmRmonTcnSlotSummary	ETH-OAM Summary 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

2.2.2 trapGroup

Trap can be classified into 3 different Traps: Alarm, Status or Control. With Status and Control, Trap notified can come in several different types. To decipher which form the Trap of the subjective Object came in, please look-up Description section of Appendix-2 to 7 where definitions are available.

Trap	Type
Alarm	alarmStateChange
Status	statusChange
	statusChangeDspStr
	statusChangeOctStr
	fileDownloadEvent
	fileUpdateEvent
Control	controlEvent
	controlEventDspStr
	controlEventOctStr
	controlEventUnsigned32

Please refer to chart below for further break down of Trap Type listed in the table above.

alarmStateChange

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The alarmStateChange trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap. Alarm(1)
eventResourceID	OID OID setup. Object Identifier (OID) concerning this event.
eventSeverity	Severity Severity value. Ex) major = [4]
eventAlarmType	Alarm Type Alarm type of this alarm. The value is defined in CCITT Rec. X.733. See MIB Definition for detail values.
eventProbableCause	Probable Cause Probable cause of this alarm. The value is defined in CCITT Rec.X.733. See MIB Definition for detail values.

eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 "Alarm" (when alarm occurred) or "Normal" (when alarm cleared).
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

When Alarm Trap is resent, Invalid(0) is set as the value for eventAlarmType and eventProbableCause.

Contents in above chart are applicable to those objects having "Alarm" in trap type column found within some of the other charts in this chapter. In my files, the syntaxes of those MIB objects are defined by severity values. Please refer to appendices for the set of my files.

statusChange

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The alarmStateChange trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap. Status(2)
eventResourceID	OID setup. Object Identifier (OID) concerning this event.
eventStatusValue	Status Value(Integer) Status value is defined here by integers.
eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.

eventAdditionalText4	Additional Text4 Status value after status change in integer format.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

Contents in above chart are applicable to those objects having "Status" in trap type column found within some of the other charts in this chapter. In my files, the syntaxes of those MIB objects are defined by integers. Please refer to appendices for the set of my files.

statusChangeDspStr

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The statusChangeDspStr trap count since system up
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap. Status(2)
eventResourceID	OID setup. Object Identifier (OID) concerning this event.
eventStatusValueDspStr	Status Value (Display String) Status value after status change in displayString format.
eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 Status value information after status change.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

Contents in above chart are applicable to those objects having "Status" in trap type column found within some of the other charts in this chapter. In my files, the syntaxes of those MIB objects are defined by display strings. Please refer to appendices for the set of my files.

statusChangeOctStr

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The statusChangeOctStr trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap. Status(2)
eventResourceID	OID setup. Object Identifier (OID) concerned with this event.
eventStatusValueOctStr	Status Value (Octet String) Status value after status change in octetString format.
eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 Status value information after status change.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

Contents in above chart are applicable to those objects having "Status" in trap type column found within some of the other charts in this chapter. In my files, the syntaxes of those MIB objects are defined by octet strings. IP addresses are notified in this trap format. Please refer to appendices for the set of my files.

fileDownloadEvent

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The fileDownloadEvent trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Event Type Event type of trap.
eventResourceID	OID setup. Object Identifier (OID) concerned with this event.
eventDownloadModule	Download Module
eventDownloadStatus	Download Status
eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 Status value information after status change.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

fileUpdateEvent

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The fileUpdateEvent trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap.
eventResourceID	OID setup. Object Identifier (OID) concerned with this event.
eventUpdateDetail	Update Module Detailed information of Update Module is set.

eventUpdateStatus	Update Status
eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 Status value information after status change.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

controlEvent

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The controlEvent trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap. Control(3)
eventResourceID	OID setup. Object Identifier (OID) concerned with this event.
eventControlValue	Control Value (Integer) Set value on this configuration change in integer format.
eventRecordUserName	Record User Name <User Name who changed configuration>
eventRecordAccessType	Record Access Type Application which is used for this configuration change. 0 : other (include LCT) 1 : SNMP
eventRecordAccessFrom	Record Access From IP Address which invoke this configuration change. For example, IP Address of PC used for LCT or source IP Address of SNMP set packet.
eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.

eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 Parameter name that matches status value is found here. Ex) "On" or "off", etc.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

Contents in above chart are applicable to those objects having "Control" in trap type column found within some of the other charts in this chapter. In my files, the syntaxes of those MIB objects are defined by integers. Please refer to appendices for the set of my files.

controlEventDspStr

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The controlEventDspStr trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap. Control(3)
eventResourceID	OID setup. Object Identifier (OID) concerned with this event.
eventControlValueDspStr	Status Value (Display String) Set value on this configuration change in displayString format.
eventRecordUserName	Record User Name <User Name who changed configuration>
eventRecordAccessType	Record Access Type Application which is used for this configuration change. 0 : other (include LCT) 1 : SNMP
eventRecordAccessFrom	Record Access From IP Address which invoke this configuration change. For example, IP Address of PC used for LCT or source IP Address of SNMP set packet.

eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 Set value information on this configuration change.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

Contents in above chart are applicable to those objects having "Control" in trap type column found within some of the other charts in this chapter. In my files, the syntaxes of those MIB objects are defined by display strings. Please refer to appendices for the set of my files.

controlEventOctStr

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The controlEventOctStr trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap. Control(3)
eventResourceID	OID setup. Object Identifier (OID) concerned with this event.
eventControlValueOctStr	Status Value (Octet String) Set value on this configuration change in octetString format.
eventRecordUserName	Record User Name <User Name who changed configuration>
eventRecordAccessType	Record Access Type Application which is used for this configuration change. 0 : other (include LCT) 1 : SNMP
eventRecordAccessFrom	Record Access From IP Address which invoke this configuration change. For example, IP Address of PC used for LCT or source IP Address of SNMP set packet.

eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 Set value information on this configuration change.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

Contents in above chart are applicable to those objects having "Control" in trap type column found within some of the other charts in this chapter. In my files, the syntaxes of those MIB objects are defined by octet strings. IP addresses are notified in this trap format. Please refer to appendices for the set of my files.

controlEventUnsigned32

VARIABLES	Item
eventTotalCount	Total Counter Total trap count since system startup.
eventCount	Count The controlEventUnsigned32 trap count since system startup.
eventTime	Time Date and time when event occurred.
eventType	Type Event type of trap. Control(3)
eventResourceID	OID setup. Object Identifier (OID) concerned with this event.
eventControlValueUnsigned32	Status Value (Unsigned32) Set value on this configuration change in Unsigned32 format.
eventRecordUserName	Record User Name <User Name who changed configuration>
eventRecordAccessType	Record Access Type Application which is used for this configuration change. 0 : other(include LCT) 1 : SNMP
eventRecordAccessFrom	Record Access From IP Address which invoke this configuration change. For example, IP Address of PC used for LCT or source IP Address of SNMP set packet.

eventAdditionalText1	Additional Text1 Equipment type is defined here by additional texts. Value varies depending on equipment.
eventAdditionalText2	Additional Text2 NE Name = <Name of NE that you have configured>
eventAdditionalText3	Additional Text3 Item Name of object shown in eventResourceID.
eventAdditionalText4	Additional Text4 Set value information on this configuration change.
eventAdditionalText5	Additional Text5 Category Categorization of this event. Each category is divided by " ". <ul style="list-style-type: none"> - Category 1: Module / Function - Category 2: Card / Detail - Category 3: SW Grp / Slot - Category 4: Logical - Category 5: Type

Contents in above chart are applicable to those objects having "Control" in trap type column found within some of the other charts in this chapter. In my files, the syntaxes of those MIB objects are defined by gauge values. Please refer to appendices for the set of my files.

2.2.3 alarmStatusGroup

The object ID's in this group defines alarm and status information of the each Module's monitor and control item.

asOduGroup oduGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
oduGroupIfIndex	Index Type is "ifindex". Slot Number 2:ODU No.1 3:ODU No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
oduGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
oduAlarm	ODU Alarm 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
txPowerAlarm	TX Power 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	transmitterFailure
txInputAlarm	TX Input 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	transmitterFailure
rxLevelAlarm	RX Level 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	receiverFailure
cpuCableOpenAlarm	ODU CPU / Cable Open 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
loRefAlarm	LO REF 0:Invalid 1:Cleared	Alarm	equipmentAlarm	equipmentMalfunction

	2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning			
muteStatus	Mute Status 0:Invalid 1:Off 2:On	Status	-	-
oduPsAlarm	ODU Power Supply 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	powerProblem
oduPsSetStatus	ODU Power Supply Set Status 0:Invalid 1:Off 2:On	Status	-	-
oduTypeMismatch	Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asOduGroup oduSwGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
oduSwGroupIfIndex	Index Type is "ifindex". Slot Number 2:ODU No.1 Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
oduSwGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
txSWStatus	TX SW Status 0:Invalid 1:No.1 2:No.2	Status	-	-
rxSWStatus	RX SW Status 0:Invalid 1:No.1 2:No.2	Status	-	-
txSWLockInStatus	TX SW Lock in Status 0:Invalid 1:Normal 2:Lock in	Status	-	-
txSwReverseReqRecvStatus	TX SW Reverse Request 0:Invalid 1:Normal 2:Received 3:Executed	Status	-	-

asModemGroup modemGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
modemGroupIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
modemGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
lof	LOF 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfFrame
frameID	Frame ID 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	equipmentMalfunc tion
highBERAlarm	High BER 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	qualityOfService Alarm	excessiveBER
lowBERAlarm	Low BER 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor(Default) 6:Warning	Alarm	qualityOfService Alarm	degradedSignal
earlyWarningAlarm	Early Warning 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning(Default)	Alarm	qualityOfService Alarm	degradedSignal
modAlarm	MOD 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major(Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	transmitterFailure

ifCableShortAlarm	IF Cable Short 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major(Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
atpcPowerMode	ATPC Power Mode 0:Invalid 1:Stop 2:Active	Status	-	-
inPhaseStatus	In Phase 0:Invalid 1:Inphase 2:Outphase	Status	-	-
txModulation	TX Modulation 0:Invalid 1:QPSK 2:16QAM 3:32QAM 4:64QAM 5:128QAM 6:256QAM	Status	-	-
rxModulation	RX Modulation 0:Invalid 1:QPSK 2:16QAM 3:32QAM 4:64QAM 5:128QAM 6:256QAM	Status	-	-
l2SyncLossAlarm	L2SYNC Loss 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	framingError
rdiAlarm	RDI 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning(Default)	Alarm	communicationsAlarm	localNodeTransmissionError
uaeAlarm	UAE 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning(Default)	Alarm	qualityOfServiceAlarm	thresholdCrossed
unlocked	Unlocked 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor	Alarm	equipmentAlarm	equipmentMalfunction

	6:Warning			
tempAlarm	Temperature 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor(Default) 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
tdmRangeMismatch	TDM / AMR Range Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	communicationsProtocolError

asModemGroup modemXpicTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
modemXpicIfIndex	Index Type is "ifindex". Slot Number 2:MODEM1 3:MODEM2 Port Number The value is fixed at 1. Path Number The value is fixed at 0.	-	-	-
modemXpicNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
xpicTypeMismatch	XPIC Mode Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	lossOfSignal

asModemGroup modemCardTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
modemCardIndex	Slot Number 2:MODEM No.1 3:MODEM No.2	-	-	-
modemCardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
modemComFailAlarm	Communication FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	timingProblem

asModemGroup asModemHeaderCompressTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asModemHeaderCompressIfIndex	Index Type is "ifindex". Slot Number 2:MODEM1 3:MODEM2 Port Number The value is fixed at 1. Path Number The value is fixed at 0.	-	-	-
asModemHeaderCompressNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asModemHeaderCompressMismatch	Compression Setting Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asModemHeaderCompressCurrentMode	Header Compression Mode 0:Invalid 1:Disable 2:MAC 3:MAC with IPv4 4:MAC with IPv6 5:MAC with MPLS 6:MAC with IPv4 (Enhanced) 7:MAC with IPv6 (Enhanced) 8:MAC with MPLS (Enhanced)	-	-	-
asModemHeaderCompressVersion	Header Compression Support Version	-	-	-

asModemGroup asModemHeaderCompressRemoteTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asModemHeaderCompressRemoteIfIndex	Index Type is "ifindex". Slot Number 2:MODEM1 3:MODEM2 Port Number The value is fixed at 1. Path Number The value is fixed at 0.	-	-	-
asModemHeaderCompressRemoteNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asModemHeaderCompressRemoteMode	Header Compression Mode 0:Invalid 1:Disable 2:MAC 3:MAC with IPv4 4:MAC with IPv6 5:MAC with MPLS 6:MAC with IPv4 (Enhanced) 7:MAC with IPv6 (Enhanced) 8:MAC with MPLS (Enhanced) 99:Unknown	-	-	-

asModemHeaderCompressRemoteVlanMode	Header Compression VLAN Mode 0:Invalid 1:802.1Q 2:802.1ad 99:Unknown	-	-	-
asModemHeaderCompressRemoteVersion	Header Compression Support Version	-	-	-

asCtrlGroup ctrlGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
ctrlGroupIndex	Slot Number The value is fixed at 1(Main Board).	-	-	-
ctrlGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
ctrlAlarm	Module 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
usbFailure	USB FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning (Default)	Alarm	equipmentAlarm	equipmentMalfunction
svLineAlarm	SV Line 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
iduCpuAlarm	IDU CPU Alarm 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
maintenance	Maintenance 0:Invalid 1:Off 2:On	Status	-	-
busError	Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor	Alarm	communicationsAlarm	communicationsSubsystemFailure

	6:Warning			
memoryFailure	Memory FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
clk2mMount	EXT CLK Mount Status 0:Invalid 1:Unmount 2:Mount	Status	-	-

asCtrlGroup sncpGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
sncpGroupIndex	The index values are from 1 to 168.	-	-	-
sncpGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
ppsFail	PPS FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
sncpProtectionStatusCh1	SNCP Protection Status 0:Invalid 1:FS 2:SF 3:SD 4:MS 5:NR	Status	-	-
sncpProtectionStatusCh2	SNCP Protection Status 0:Invalid 1:FS 2:SF 3:SD 4:MS 5:NR	Status	-	-
sncpOnlineStatus	SNCP Online Status 0:Invalid 1:Work 2:Protection	Status	-	-
sncpSwStatus	SNCP SW 0:Invalid 1:Work 2:Protection	Status	-	-

asAuxGroup auxGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause

auxGroupIndex	Slot Number The value is fixed at 5(AUX).	-	-	-
auxGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
auxUnequipped	Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asClkGroup clkCommonTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
clkCommonIndex	The value is fixed at 1.	-	-	-
clkCommonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
ItiAlarm	LTI 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	timingProblem
refClkChange	CLK Status Changed 0:Invalid 1:Locked (REF1) 2:Locked (REF2) 3:Locked (REF3) 4:Holdover 5:Freerun	Status	-	-
extClkLoop	EXT CLK Loop 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	timingProblem
currentTimingSource	Current Timing Source 0:Invalid 1:REF1 2:REF2 3:REF3	Status	-	-
timingSourceCondition	Timing Source Condition 0:Invalid 1:Locked 2:Holdover 3:Freerun	Status	-	-
timingSourceControlStatus	Timing Source Condition Status 0:Invalid 1:Auto 2:Manual Select 3:Forced Select	Status	-	-

asClkGroup clkRefTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
clkRefIndex	The index values are from 1 to 3.	-	-	-
clkRefNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
clkFailedAlarm	CLK FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor(Default) 6:Warning	Alarm	equipmentAlarm	timingProblem
clkDriftAlarm	CLK Drift 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor(Default) 6:Warning	Alarm	equipmentAlarm	timingProblem
clkRefFailedAlarm	SSM FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	equipmentAlarm	timingProblem
refLockoutStatus	Lockout Status 0:Invalid 1:Lockout 2:Normal	Status	-	-
refQL	Quality Level 0:Invalid 1:QL-PRC 2:QL-SSU-A 3:QL-SSU-B 4:QL-Original 5:QL-SEC 6:QL-DNU 7:QL-INVx 8:QL-Failed 9:Not Available	Status	-	-

asExtClkGroup extClkGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
extClkGroupIndex	The value is fixed at 1.	-	-	-
extClkGroupNEAddress	-	-	-	-
clk2mLosAlarm	EXT CLK LOS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical	Alarm	equipmentAlarm	timingProblem

	4:Major 5:Minor(Default) 6:Warning			
aisAlarm	EXT CLK AIS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor(Default) 6:Warning	Alarm	equipmentAlarm	timingProblem
lofAlarm	EXT CLK LOF 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	equipmentAlarm	timingProblem
clk2mUnequipped	EXT CLK Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
sqelch	Squelch 0:Invalid 1:Normal 2:Squelch	Status	-	-

asFanGroup fanGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
fanGroupIndex	Slot Number The value is fixed at 8 (FAN).	-	-	-
fanGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
fanAlarm	FAN FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
fanUnequipped	Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asPsGroup psGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
psGroupIndex	Slot Number 6:PS No.1 7:PS No.2	-	-	-
psGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
psPowerSupply	Power Supply 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	powerProblem
psUnequipped	Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asTCNGroup tcn15minDataRadioGroup tcn15minDataRadioTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minDataModemIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn15minDataModemMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-	-	-
tcn15minDataRadioNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn15minDataRf	RF BBE RF ES RF SES RF SEP RF UAS RF OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfServiceAlarm	thresholdCrossed

asTCNGroup tcn15minDataRadioGroup tcn15minRxLevTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minRxLevIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn15minRxLevNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn15minRxLev	RX Level (MIN) 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

**asTCNGroup tcn15minDataCableGroup tcn15minDataThroughModeGroup
tcn15minDataTmRsTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minDataTmRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn15minDataTmRsMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-	-	-
tcn15minDataTmRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn15minDataTmRs	RS BBE RS ES RS SES RS SEP RS UAS RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn15minDataCableGroup tcn15minDataThroughModeGroup
tcn15minDataTmDMRRsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minDataTmDMRRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn15minDataTmDMRRsMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-	-	-
tcn15minDataTmDMRRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn15minDataTmDMRRs	DMR RS BBE DMR RS ES DMR RS SES DMR RS SEP DMR RS UAS DMR RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn15minDataCableGroup tcn15minDataChannelizedModeGroup
tcn15minDataChRsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minDataChRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn15minDataChRsMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-	-	-
tcn15minDataChRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn15minDataChRs	RS BBE RS ES RS SES RS SEP RS UAS	Alarm	qualityOfService Alarm	thresholdCrossed

	RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning			
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asTCNGroup tcn15minDataCableGroup tcn15minDataChannelizedModeGroup
tcn15minDataChMsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minDataChMsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn15minDataChMsMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS	-	-	-
tcn15minDataChMsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn15minDataChMs	MS BBE MS ES MS SES MS SEP MS UAS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn15minDataCableGroup tcn15minData16E1Group
tcn15minData16E1PdhTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minData16E1PdhIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 4:Option(16E1) Port Number 1:Port1 Path Number 1-16:CH01-CH16	-	-	-
tcn15minData16E1PdhMonitorName	1:CV	-	-	-
tcn15minData16E1PdhNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-

tcn15minData16E1Pdh	E1 CV 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
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asTCNGroup tcn1dayDataRadioGroup tcn1dayDataRadioTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayDataModemIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn1dayDataModemMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-	-	-
tcn1dayDataRadioNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn1dayDataRf	RF BBE RF ES RF SES RF SEP RF UAS RF OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn1dayDataRadioGroup tcn1dayRxLevTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayRxLevIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn1dayRxLevNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-

tcn1dayRxLev	RX Level (MIN) 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
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asTCNGroup tcn1dayDataCableGroup tcn1dayDataThroughModeGroup
tcn1dayDataTmRsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayDataTmRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn1dayDataTmRsMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-	-	-
tcn1dayDataTmRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn1dayDataTmRs	RS BBE RS ES RS SES RS SEP RS UAS RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn1dayDataCableGroup tcn1dayDataThroughModeGroup
tcn1dayDataTmDMRRsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayDataTmDMRRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-

tcn1dayDataTmDMRRsMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-	-	-
tcn1dayDataTmDMRRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn1dayDataTmDMRRs	DMR RS BBE DMR RS ES DMR RS SES DMR RS SEP DMR RS UAS DMR RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn1dayDataCableGroup tcn1dayDataChannelizedModeGroup
tcn1dayDataChRsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayDataChRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn1dayDataChRsMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-	-	-
tcn1dayDataChRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn1dayDataChRs	RS BBE RS ES RS SES RS SEP RS UAS RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn1dayDataCableGroup tcn1dayDataChannelizedModeGroup
tcn1dayDataChMsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayDataChMsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
tcn1dayDataChMsMonitorName	1:BBE 2:ES 3:SES 4:SEP 5:UAS	-	-	-
tcn1dayDataChMsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn1dayDataChMs	MS BBE MS ES MS SES MS SEP MS UAS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn1dayDataCableGroup tcn1dayData16E1Group
tcn1dayData16E1PdhTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayData16E1PdhIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 4:Option(16E1) Port Number 1:Port1 Path Number 1-16:CH01-CH16	-	-	-
tcn1dayData16E1PdhMonitorName	1:CV	-	-	-
tcn1dayData16E1PdhNEAddresses	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn1dayData16E1Pdh	E1 CV 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn15minDataRmonGroup tcn15minDataRmonTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minRmonIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 2:MODEM1 3:MODEM2 Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0.	-	-	-
tcn15minRmonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn15minHCRxEthStatsDropEvents	RX Drop Events 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn15minHCRxEthStatsUndersizePkts	RX Undersize Pkts 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn15minHCRxEthStatsFragments	RX Fragments 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn15minHCRxEthStatsCRCAlignmentErrors	RX CRC Alignment Errors 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn15minHCRxEthStatsOversizePkts	RX Oversize Pkts 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn15minHCTxEthStatsCollisions	TX Collisions 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default)	Alarm	qualityOfService Alarm	thresholdCrossed

	6:Warning			
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asTCNGroup tcn1dayDataRmonGroup tcn1dayDataRmonTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayRmonIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 2:MODEM1 3:MODEM2 Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0.	-	-	-
tcn1dayRmonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
tcn1dayHCRxEthStatsDropEvents	RX Drop Events 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn1dayHCRxEthStatsUndersizePkts	RX Undersize Pkts 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn1dayHCRxEthStatsFragments	RX Fragments 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn1dayHCRxEthStatsCRCAlignmentErrors	RX CRC Alignment Errors 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn1dayHCRxEthStatsOversizePkts	RX Oversize Pkts 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed
tcn1dayHCTxEthStatsCollisions	TX Collisions 0:Invalid 1:Cleared 2:Indeterminate	Alarm	qualityOfService Alarm	thresholdCrossed

	3:Critical 4:Major 5:Minor (Default) 6:Warning			
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asHkGroup hkInputStatusTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
hkInputStatusIndex	The index values are from 1 to 6.	-	-	-
hkInputStatusNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
hkInputAlarm	Item Name (Input-x) (x : 1-6) Item Name (Cluster-x) (x : 1-4) 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
hkInputStatus	Item Name (Input-x) (x : 1-6) Item Name (Cluster-x) (x : 1-4) 0:Invalid 1:Off 2:On	Status	-	-

asHkGroup hkOutputStatusTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
hkOutputStatusIndex	The index values are from 1 to 4.	-	-	-
hkOutputStatusNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
hkOutputStatusValue	Item Name (Output-x) (x : 1-4) 0:Invalid 1:Off 2:On	Status	-	-

asStm1Group asStm1ChPortTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asStm1ChPortIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
asStm1ChPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-

msAisAlarm	MS AIS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	aIS
msRdiAlarm	MS RDI 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmi ssionError
pjeStatus	PJE 0:Invalid 1:No Detected 2:Detected	Status	-	-
auAisAlarm	AU AIS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	aIS
auLopAlarm	AU LOP 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfFrame
hpUnequipedAlarm	HP UNEQ 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsPr otocolError
hpTimAlarm	HP TIM 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsPr otocolError
hpPlmAlarm	HP PLM 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsPr otocolError

hpRdiAlarm	HP RDI 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmi ssionError
lomAlarm	LOM 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfFrame

asStm1Group asStm1PortTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asStm1PortIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-	-	-
asStm1PortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
portTypeMismatchAlarm	SFP Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunc tion
portRemovedAlarm	SFP Removed 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmi ssionError
stm1LosAlarm	STM-1 LOS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfSignal
tfAlarm	TF 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default)	Alarm	communications Alarm	framingError

	5:Minor 6:Warning			
rsLofAlarm	RS LOF 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfFrame
rsTimAlarm	RS TIM 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsPr otocolError
rsExcAlarm	RS EXC 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	degradedSignal
rsDegAlarm	RS DEG 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	communications Alarm	degradedSignal
rsUasStatus	RS UAS Status 0:Invalid 1:Normal 2:Under UAS	Status	-	-
alsStatus	ALS 0:Invalid 1:Normal 2:Auto Shutdown	Status	-	-
sdhAisGenStatus	STM-1 AIS Generated 0:Invalid 1:Normal 2:Generated	Status	-	-

asStm1Group asStm1ChTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asStm1ChIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number 1-63:CH01-CH63	-	-	-
asStm1ChNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-

tuAisAlarm	TU AIS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	aIS
tuLopAlarm	TU LOP 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfFrame
lpUnequipedAlarm	LP UNEQ 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsPr otocolError
lpRdiAlarm	LP RDI 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmi ssionError
lpPlmAlarm	LP PLM 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsPr otocolError
slpAisGenStatus	E1 AIS Generated 0:Invalid 1:Normal 2:Generated	Status	-	-

asStm1Group asStm1CardTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asStm1CardIndex	Slot Number 4:Option(STM-1)	-	-	-
asStm1CardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
stm1Alarm	Module 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunc tion

stm1ComFailAlarm	Communication FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	communicationsProtocolError
stm1Unequipped	Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
stm1TypeMismatch	Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asE1Group

asE1CardTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asE1CardIndex	Slot Number 1:Main Board 4:Option(16E1)	-	-	-
asE1CardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
e1Alarm	Module 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
e1Unequipped	Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
e1TypeMismatch	Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asE1Group asE1ChTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asE1ChIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 4:Option(16E1) Port Number 1:Port1 Path Number 1-16:CH01-CH16	-	-	-
asE1ChNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
chUsageAlarm	Usage Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	operationalViolati onAlarm	callSetUpFailure
e1LosAlarm	E1 LOS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfSignal
ppiAisAlarm	E1 AIS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	ais
e1AisGenStatus	E1 AIS Generated 0:Invalid 1:Normal 2:Generated	Status	-	-
ppiAisStatus	E1 AIS 0:Invalid 1:Normal 2:Received	Status	-	-

asETHGroup asRstpGroup asRstpBridgeTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asRstpBridgeIndex	The value is fixed at 1.	-	-	-
asRstpBridgeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asRstpBridgeTopChanges	RSTP Topology Changed 0:Invalid 1:Normal 2:Changed	Status	-	-

asETHGroup asRstpGroup asRstpPortTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asRstpIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 2:MODEM1 3:MODEM2 Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0. Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	-	-	-
asRstpPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asRstpPortState	RSTP Port Status 0:Invalid 1:Disabled 2:Blocking 3:Listening 4:Learning 5:Forwarding 6:Broken 7:Discarding	Status	-	-
asRstpPortProtocolMigrationVersion	RSTP Protocol Migration 0:Invalid 1:STP 2:RSTP	Status	-	-
asRstpPortOperEdgePort	RSTP Edge Port Status 0: Edge 1: Non Edge	Status	-	-

**asETHGroup asEthOamGroup asEthOamCcGroup
asEthOamMepCcmFaultTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asEthOamMepCcmIndex	The index values are from 1 to 128.	-	-	-
asEthOamMepCcmFaultNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asEthOamMepCcmLOC	ETH-OAM LOC 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfSignal

asEthOamMepCcmRdiReceived	ETH-OAM RDI 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmi ssionError
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**asETHGroup asEthOamGroup asEthOamCcGroup
asEthOamMegCcmFaultTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asEthOamMegCcmIndex	The index values are from 1 to 128.	-	-	-
asEthOamMegCcmFaultNEAddr ess	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asEthOamMegCcmMismergeCo ndition	ETH-OAM Mismerge 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	communications Alarm	communicationsPr otocolError
asEthOamMegCcmUnexpected MepCondition	ETH-OAM Unexpected MEP 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	communications Alarm	communicationsPr otocolError

asETHGroup asFdbGroup asFdbEquipmentTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asFdbEquipmentIndex	The value is fixed at 1.	-	-	-
asFdbEquipmentNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asFdbEquipmentLearningCount	Total FDB Dynamic Entry Count The values are from 0 to 32384.	Status	-	-
asFdbEquipmentLearningLimitO ver	Total FDB Full 0:Invalid 1:Not Reached 2:Reached	Status	-	-

asETHGroup asFdbGroup asFdbPortTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asFdbPortIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0. Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	-	-	-
asFdbPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asFdbPortLearningCount	FDB Dynamic Entry Count The values are from 0 to 32384.	-	-	-
asFdbPortLearningLimitOver	FDB Full 0:Invalid 1:Not Reached 2:Reached	Status	-	-

asETHGroup asFdbGroup asFdbVlanTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asFdbVlanIndex	The index values are from 1 to 4094.	-	-	-
asFdbVlanNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asFdbVlanLearningCount	FDB Dynamic Entry Count The values are from 0 to 32384.	Status	-	-
asFdbVlanLearningLimitOver	FDB Full 0:Invalid 1:Not Reached 2:Reached	Status	-	-

asETHGroup asLlIfGroup asLlIfGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asLlIfGroupIndex	The index values are from 1 to 16.	-	-	-
asLlIfGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asLlIfGroupForceClose	LLF 0:Invalid 1:Normal 2:Under Execution	Status	-	-

asLLfGroupTimeout	LLF Message Timeout 0:Invalid 1:Normal 2:Occur	Status	-	-
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asETHGroup asETHPortGroup asETHPortTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asETHPortSpeedDuplex	Speed & Duplex 0:Invalid 1:10M-Half 2:10M-Full 3:100M-Half 4:100M-Full 5:1000M-Full	Status	-	-
asETHPortMDIMDX	MDI / MDI-X 0:Invalid 1:MDI 2:MDI-X	Status	-	-
asETHPortLinkStatus	LAN Link 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	IANerror
asETHPortAdminStatus	LLF 0:Invalid 1:Normal 2:Forced	Status	-	-
asETHPortSFPEquip	SFP Removed 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asETHPortSFPLos	ETH LOS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfSignal
asETHPortSFPTxError	ETH TF 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmissionError
asETHPortSFPTYPEMismatch	SFP Type Mismatch 0:Invalid 1:Normal 2:Indeterminate 3:Critical	Alarm	equipmentAlarm	equipmentMalfunction

	4:Major (Default) 5:Minor 6:Warning			
asETHPortOperStatus	LAN Link Status 0:Invalid 1:Link Down 2:Link Up	Status	-	-
asETHPortLifOamReceived	LLF OAM Received 0:Invalid 1:Normal 2:Received	-	-	-

asCommonGroup**iduCommonTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
iduCommonIndex	The value is fixed at 1.	-	-	-
iduCommonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
equipConfigStatus	Equipment Configuration Change 1:Alarm / Status Updated 2: Alarm Updated 3: Status Updated	Status	-	-

asCommonGroup**asCardLicenseTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asCardLicenseIndex	The index values are from 2 to 3. 2:MODEM1 3:MODEM2	-	-	-
asCardLicenseNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asCardLicenseMismatch	License Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asLinkAggrGroup**asLinkAggrGroupTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asLinkAggrGroupIfIndex	Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	-	-	-

asLinkAggrGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asLinkAggrGroupLinkStatus	Radio Traffic Aggregation Link 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	IANError
asLinkAggrGroupOperStatus	Radio Traffic Aggregation Link Status LAN Link Status 0:Invalid 1:Link Down 2:Link Up	-	-	-

asLinkAggrGroup**asLinkAggrPortTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asLinkAggrPortGroupIfIndex	Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	-	-	-
asLinkAggrPortIfIndex	Index Type is "ifindex". Slot Number 2:MODEM1 3:MODEM2 Port Number The value is fixed at 1. Path Number The value is fixed at 0.	-	-	-
asLinkAggrPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asLinkAggrPortStatus	Radio Traffic Aggregation Port Status 0:Invalid 1:Active 2:Standby	Status	-	-

asEtherRingGroup**asEtherRingTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asEtherRingRingIndex	The index values are from 1 to 16.	-	-	-
asEtherRingNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asEtherRingState	ETH-Ring Status 0:Invalid 1:Disabled 2:Idle 3:Protection 4:Forced	Status	-	-

	5:Manual 6:Pending			
asEtherRingCause	ETH-Ring Cause 0:Invalid 1:None 2:Local SF 3:Local NR 4:Remote SF 5:Remote NR 6:Local FS 7:Local MS 8:Remote FS 9:Remote MS	Status	-	-
asEtherRingMultiRplOwnerDetect	ETH-Ring Multi RPL Owner Detect 0:Invalid 1:None 2:Detected	Status	-	-

asEtherRingGroup**asEtherRingPortTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asEtherRingPortRingIndex	The index values are from 1 to 16.	-	-	-
asEtherRingPortId	The index values are from 1 to 2.	-	-	-
asEtherRingPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asEtherRingPortState	ETH-Ring Port0 Status 0:Invalid 1:Disabled 2:Init Blocking 3:RPL Blocking 4:Forwarding 5:Signal Fail 6:Recovery 7:Wait to Restore 8:Forced Switch 9:Manual Switch 10:Wait to Block	Status	-	-
asEtherRingPortLoopDetect	ETH-Ring Port0 Loop Detect 0:Invalid 1:None 2:Detected	Status	-	-
asEtherRingPortProtoTimeout	ETH-Ring Port0 R-APS Timeout 0:Invalid 1:None 2:Detected	Status	-	-

asMseGroup**asMseCardTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asMseCardIndex	Index Type is "ifindex". Slot Number 4:MSE	-	-	-

	Port Number The value is fixed at 1. Path Number The value is fixed at 0.			
asMseCardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asMseCardModuleFail	Module 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asMseCardComFailAlarm	Communication FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	communicationsProtocolError
asMseCardUnequipped	Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asMseCardTypeMismatch	Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asMseGroup asMseLineTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asMseLineIfIndex	Index Type is "ifindex". Slot Number 4:MSE Port Number The value is fixed at 1. Path Number 1-16	-	-	-
asMseLineNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asMseLineBfrUnderrun	TDM Buffer Underrun 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	lossOfFrame

asMseLineAdaptiveClkStatus	Adaptive CLK Status 0:Invalid 1:Hold Over 2:Acquiring 3:Acquired	Status	-	-
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asDot3OamGroup**asDot3OamPortTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asDot3OamPortIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6 Path Number 0	-	-	-
asDot3OamPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asDot3OamPortOperStatus	Operational Status 0:Invalid 1:Disabled 2-8,10:Down 9:Up	-	-	-
asDot3OamPortMaxOamPduSize	Pdu Size Range: 64..1518	-	-	-
asDot3OamPortConfigRevision	Config Revision Range: 0..65535	-	-	-
asDot3OamPortFunctionsSupported	Functions Supported(Bitmap) Bit0:Unidirectional Bit1:Loopback Bit2:Link Event Bit3:Variable	-	-	-

asDot3OamGroup**asDot3OamPeerTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asDot3OamPeerIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6 Path Number 0	-	-	-
asDot3OamPeerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asDot3OamPeerMacAddress	MAC Address	-	-	-
asDot3OamPeerVendorOui	Vendor Oui	-	-	-
asDot3OamPeerVendorInfo	Vendor Information	-	-	-
asDot3OamPeerMode	Link OAM Mode 0:Invalid 1:Passive 2:Active 3:Unknown	-	-	-
asDot3OamPeerMaxOamPduSize	Pdu Size	-	-	-

ze	Range: 64..1518			
asDot3OamPeerConfigRevision	Config Revision Range: 0..65535	-	-	-
asDot3OamPeerFunctionsSupported	Functions Supported(Bitmap) Bit0:Unidirectional Bit1:Loopback Bit2:Link Event Bit3:Variable	-	-	-

asDot3OamGroup**asDot3OamPortAlarmTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asDot3OamPortAlarmIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6 Path Number 0	-	-	-
asDot3OamPortAlarmNEAddresses	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asDot3OamPortLinkOamDown	Link OAM Down 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsProtocolError
asDot3OamPortLocalDyingGasp	Dying Gasp 0:Invalid 1:Normal 2:Generated	Status	-	-
asDot3OamPortLocalCriticalEvent	Dying Gasp 0:Invalid 1:Normal 2:Generated	Status	-	-
asDot3OamPortRemoteErroredSymbolEvent	Remote Errored Symbol Period 0:Invalid 1:Normal 2: Received	Status	-	-
asDot3OamPortRemoteErroredFramePeriodEvent	Remote Errored Frame Period 0:Invalid 1:Normal 2: Received	Status	-	-
asDot3OamPortRemoteErroredFrameEvent	Remote Errored Frame 0:Invalid 1:Normal 2: Received	Status	-	-
asDot3OamPortRemoteErroredFrameSecondEvent	Remote Errored Frame Seconds Summary 0:Invalid 1:Normal 2: Received	Status	-	-
asDot3OamPortRemoteLinkFault	Remote Link Fault 0:Invalid 1:Cleared 2:Indeterminate	Alarm	communications Alarm	IANError

	3:Critical 4:Major (Default) 5:Minor 6:Warning			
asDot3OamPortRemoteDyingGasp	Remote Dying Gasp 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	remoteNodeTransmissionError
asDot3OamPortRemoteCriticalEvent	Remote Critical Event 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	IANError

asMstpGroup asMstpBridgeCistTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asMstpBridgeCistIndex	The value is fixed at 1.	-	-	-
asMstpBridgeCistNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asMstpBridgeCistRegionalRoot	MSTP CIST Regional Root Format:Priority/IDExt/MAC	-	-	-
asMstpBridgeCistTopChanges	MSTP CIST Topology Changed 0:Invalid 1:Changed	-	-	-
asMstpBridgeCistRoot	MSTP CIST Root Format:Priority/IDExt/MAC	-	-	-

asMstpGroup asMstpBridgeMstTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asMstpBridgeMstIndex	The index values are from 1 to 4.	-	-	-
asMstpBridgeMstNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asMstpBridgeMstRegionalRoot	MSTP MSTI Root Format:Priority/IDExt/MAC	-	-	-
asMstpBridgeMstTopChanges	MSTP MSTI Topology Changed 0:Invalid 1:Changed	-	-	-

asMstpGroup asMstpPortCistTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause

asMstpPortCistIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 2:MODEM1 3:MODEM2 Port Number 1-6 Path Number 0	-	-	-
asMstpPortCistNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asMstpPortCistState	MSTP IST Port Status 0:Invalid 1:Disabled 2:Blocking 3:Listening 4:Learning 5:Forwarding 8:Root Restricted 9:BPDU Guarded	Status	-	-
asMstpPortCistProtoVersion	MSTP IST Protocol Migration 0:Invalid 1:STP 2:RSTP 3:MSTP	Status	-	-
asMstpPortCistInvalidBpdu	MSTP IST Invalid BPDU Received 0:Invalid 1:Normal 2: Received	-	-	-
asMstpPortCistOperEdgePort	MSTP IST Edge Port Status 0:Edge 1:Non Edge	Status	-	-

asMstpGroup asMstpPortMstTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asMstpPortMstIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 2:MODEM1 3:MODEM2 Port Number 1-6 Path Number 0	-	-	-
asMstpPortMstIndex	The index values are from 1 to 4.	-	-	-
asMstpPortMstNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asMstpPortMstState	MSTP MSTI Port Status 0:Invalid 1:Disabled 2:Blocking 3:Listening 4:Learning 5:Forwarding 8:Root Restricted 9:BPDU Guarded	Status	-	-

2.2.4 equipmentSetUpGroup

For more detailed information on “ifindex”, please refer to appendix.

esCommonTable

Object Name	Item	Trap Type
esCommonIndex	Card No. Index 1:Main Card 2:MODEM No.1 3:MODEM No.2 4:Option(16E1) or Option(STM-1) or Option(MSE) 5:AUX 6:PS 7:Option(PS)	-
esCommonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
esUserInterface	Equipment Slot Configuration 0:Invalid 1:Not Used 2:MODEM 3:16E1 6:4GbE 8:STM-1 9:MSE 10:10GbE 11:AUX 12:2xSTM-1 13:CLK2M 14:PS 15:FAN 16:TERM 17:MAIN	Control
esClk2mType	EXT CLK Type 0:Invalid 1:Not Used 2:CLK2M	Control

esModemTable

Object Name	Item	Trap Type
esModemIfIndex	Modem Card Index 2:MODEM No.1 3:MODEM No.2	-
esModemNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
esModemTxFreq	TX RF Frequency [MHz] ASCII 9bytes "XXXXX.XXX"	Control
esModemRxFreq	RX RF Frequency [MHz] ASCII 9bytes "XXXXX.XXX"	Control
esModemTxPowerCont	TX Power Control 0: Invalid 1:MTPC 2:ATPC	-
esModemFrameID	Frame ID 1-32	Control
esModemModulation	Reference Modulation 0: Invalid	-

	1: QPSK 2: 16QAM 3: 32QAM 4: 64QAM 5: 128QAM 6: 256QAM	
esModemChSpacing	Channel Spacing 0: Invalid 1: 3.5MHz 2: 7MHz 3: 14MHz 4: 28MHz 5: 56MHz	Control
esModemAmrOperation	AMR Operation 0: Invalid 1: Non Operation 2: AMR Mode	Control
esModemAmrRangeQPSK	AMR Range(QPSK) 0: Invalid 1: Disabled(Not Used) 2: Enabld(Used)	Control
esModemAmrRange16QAM	AMR Range(16QAM) 0: Invalid 1: Disabled(Not Used) 2: Enabld(Used)	Control
esModemAmrRange32QAM	AMR Range(32QAM) 0: Invalid 1: Disabled(Not Used) 2: Enabld(Used)	Control
esModemAmrRange64QAM	AMR Range(64QAM) 0: Invalid 1: Disabled(Not Used) 2: Enabld(Used)	Control
esModemAmrRange128QAM	AMR Range(128QAM) 0: Invalid 1: Disabled(Not Used) 2: Enabld(Used)	Control
esModemAmrRange256QAM	AMR Range(256QAM) 0: Invalid 1: Disabled(Not Used) 2: Enabld(Used)	Control
esModemGroupSetting	MODEM Group setting 0: Not Used 1: Group1	Control
esModemRadioMode	Radio Mode 0:Invalid 1:High Capacity 2:High System Gain	Control
esTdmEtherMapping	E1 Mapping 0-152	Control
esTdmEtherMappingAmrQPSK	E1 Mapping(QPSK) 0-152	Control
esTdmEtherMappingAmr16QAM	E1 Mapping(16QAM) 0-152	Control
esTdmEtherMappingAmr32QAM	E1 Mapping(32QAM) 0-152	Control
esTdmEtherMappingAmr64QAM	E1 Mapping(64QAM) 0-152	Control

esTdmEtherMappingAmr128QAM	E1 Mapping(128QAM) 0-152	Control
esTdmEtherMappingAmr256QAM	E1 Mapping(256QAM) 0-152	Control
esTdmEtherMappingRstAmrQPSK	STM-1 Mapping(QPSK) 0-2	Control
esTdmEtherMappingRstAmr16QAM	STM-1 Mapping(16QAM) 0-2	Control
esTdmEtherMappingRstAmr32QAM	STM-1 Mapping(32QAM) 0-2	Control
esTdmEtherMappingRstAmr64QAM	STM-1 Mapping(64QAM) 0-2	Control
esTdmEtherMappingRstAmr128QAM	STM-1 Mapping(128QAM) 0-2	Control
esTdmEtherMappingRstAmr256QAM	STM-1 Mapping(256QAM) 0-2	Control

esModemSwGroupTable

Object Name	Item	Trap Type
esModemSwGroupIfIndex	Modem Card Index 2:MODEM No.1 3:MODEM No.2	-
esModemSwGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
esModemSwRowStatus	Row status 1:active 2:notInservice 3:notReady 4:createAndGo 5:createAndWait 6:destroy	Control
esSWGConfiguration	MODEM / STM-1 SW Configuration 0: Invalid 1: Not Used 2: 1+1(Hot Standby) 3: 1+1(Twin Path) 4: 1+0 XPIC 5: 1+1 XPIC (Master) 6: 1+1 XPIC (Slave)	Control

esStm1PortModeTable

Object Name	Item	Trap Type
esStm1PortModeIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number 0	-
esStm1PortModeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
esStm1PortMode	STM-1 Port Mode 0:Invalid 1:Through 2:Channelized	Control

2.2.5 provisioningGroup

For more detailed information on “ifindex”, please refer to appendix.

provAlarmGroup provAlarmCommonTable

Object Name	Item	Trap Type
provAlarmCommonIndex	The value is fixed at 1.	-
provAlarmCommonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
alarmCorrelation	Alarm correlation 0: Invalid 1: OFF 2: ON	Control
alarmDelay	Alarm delay setting [sec] 1-60	Control
alarmStretch	Alarm stretch setting [sec] 1-60	Control

provAlarmGroup provAlarmEventTable

Object Name	Item	Trap Type
alarmEventIndex	The value is fixed at 1.	-
provAlarmEventNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
alarmEventDelayStretchUsage	Delay Stretch Usage 0:Invalid 1:Not Used 2:Used	Control

provE1Group provE1ChSetTable

Object Name	Item	Trap Type
provE1ChSetIfIndex	Index Type is “ifindex”. Slot Number 1:Main Board 4:Option(16E1) Port Number 1:Port1 Path Number 1-16:CH01-CH16	-
provE1ChSetNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
e1PortName	E1 Port Name ASCII 32bytes	Control
chUsage	E1 CH Usage 0:Invalid 1:Not Used 2:Used	Control
chUsageErrorReport	CH Usage Error Report 0:Invalid 1: Not Report 2: Report	Control
impedanceSetting	Impedance Setting 0: Invalid 1: 120 [ohm] 2: 75 [ohm]	Control

provAisGroup provAisGenerationTable

Object Name	Item	Trap Type
provAisGenerationIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provAisGenerationNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
msAisGeneration	MS - AIS Generation 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provAisGroup provAisSettingTable

Object Name	Item	Trap Type
provAisSettingIndex	The value is fixed at 1.	-
provAisSettingNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
aisActivationDelay	AIS activation delay 0: Invalid 1: OFF 2: ON	Control
aisActivationCond	AIS activation condition 0:Invalid 1:LOF + High BER 2:LOF	Control
aisGeneratedReport	AIS generation report 0: Invalid 1: Not report 2: Report	Control
aisReceivedReport	AIS received report 0: Invalid 1: Not report 2: Report	Control
aisReceivedCondSet	AIS received condition set 0:Invalid 1:Alarm 2:Status	Control

provRadioSettingGroup provModemSettingTable

Object Name	Item	Trap Type
provModemSettingIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
provModemSettingNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
modemPortName	MODEM port name ASCII 32bytes	Control

headerCompress	MAC Header Compression 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
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provRadioSettingGroup provSWCondTable

Object Name	Item	Trap Type
provSWCondIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 Port Number 1:Port1 Path Number The value is fixed at 0.	-
provSWCondNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
txSwPriority	TX SW Priority 0:Invalid 1:No.1 2:Non Priority	Control
rxSwPriority	RX SW Priority 0:Invalid 1:No.1 2:Non Priority	Control
txSwLockinUsage	TX SW Lockin Usage 0:Invalid 1:Not Used 2:Used	Control
reverseFunctionUsage	Reverse function usage 0:Invalid 1:Not Used 2:Used	Control
rxSwEwCondition	RX SW EW condition 0:Invalid 1:Include 2:Exclude	Control

provRadioSettingGroup provAmrSWCondTable

Object Name	Item	Trap Type
provAmrSWCondIfIndex	index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
provAmrSWCondNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
amrSwitchCondition	AMR Switch Condition 0:Invalid 1:CNR + RSL 2:CNR	Control
amrSwitchSensitivity	AMR Transition 0:Invalid 1:Normal 2:Sensitive	Control

provRadioSettingGroup provTxPowerContTable

Object Name	Item	Trap Type
provTxPowerContIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTxPowerContNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
atpcRangeMax	ATPC Range (MAX) -380..400 (-38dBm-40dBm)	Control
atpcRangeMin	ATPC Range (MIN) -380..400 (-38dBm-40dBm)	Control
atpcHysteresis	ATPC Hysteresis 0-9	Control
mtpcTxPower	MTPC TX Power -380..400 (-38dBm-40dBm)	Control
rxThresholdLevel	RX Threshold -90..-30 (-90dBm - -30dBm)	Control

provRadioSettingGroup provAlmModeTable

Object Name	Item	Trap Type
provAlmModelfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
provAlmModeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
atpcPowerModeSet	ATPC Power Mode 0:Invalid 1:MAX 2:MIN 3:Hold	Control
oduCommAlmModeSet	ODU Common Alarm Mode 0:Invalid 1:Mute 2:Hold	Control

provBERThresholdGroup provRadioBERThresholdTable

Object Name	Item	Trap Type
provRadioBERThresholdIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-

provRadioBERThresholdNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
highBER	High BER 0:Invalid 1:1E-2 2:1E-3 3:1E-4 4:1E-5	Control
lowBER	Low BER 0:Invalid 1:1E-2 2:1E-3 3:1E-4 4:1E-5	Control

provBERThresholdGroup provStm1BERThresholdTable

Object Name	Item	Trap Type
provStm1BERThresholdIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provStm1BERThresholdNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
eBER	E BER 0:Invalid 1:1E-3 2:1E-4 3:1E-5	Control
sd	SD 0:Invalid 1:1E-5 2:1E-6 3:1E-7 4:1E-8 5:1E-9	Control

provPMONSelectTable

Object Name	Item	Trap Type
provPMONSelectIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
provPMONSelectNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmonRxLevelTCNThreshold	PMON RX level TCN Threshold [dBm] -99...-30 (-99dBm - 30dBm)	Control

provTCNThresholdGroup provTCNThreshold15minRadioGroup
provTCNThreshold15minRadioTable

Object Name	Item	Trap Type
provTCNThreshold15minModemIfIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold15minModemMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-
provTCNThreshold15minRadioNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold15minRfOccurValue	TCN threshold 15min RF occur value	Control
provTCNThreshold15minRfRecoverValue	TCN threshold 15min RF recover value	Control

provTCNThresholdGroup provTCNThreshold15minCableGroup
provTCNThreshold15minThroughModeGroup
provTCNThreshold15minTmRsTable

Object Name	Item	Trap Type
provTCNThreshold15minTmRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold15minTmRsMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-
provTCNThreshold15minTmRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold15minTmRsOccurValue	TCN threshold 15min through mode RS occur value	Control
provTCNThreshold15minTmRsRecoverValue	TCN threshold 15min through mode RS recover value	Control

provTCNThresholdGroup provTCNThreshold15minCableGroup
provTCNThreshold15minThroughModeGroup
provTCNThreshold15minTmDMRRsTable

Object Name	Item	Trap Type
provTCNThreshold15minTmDMRRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold15minTmDMRRsMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-
provTCNThreshold15minTmDMRRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold15minTmDMRRsOccurValue	TCN threshold 15min through mode DMR RS occur value	Control
provTCNThreshold15minTmDMRRsRecoverValue	TCN threshold 15min through mode DMR RS recover value	Control

provTCNThresholdGroup provTCNThreshold15minCableGroup
provTCNThreshold15minChannelizedModeGroup
provTCNThreshold15minChRsTable

Object Name	Item	Trap Type
provTCNThreshold15minChRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold15minChRsMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-
provTCNThreshold15minChRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold15minChRsOccurValue	TCN threshold 15min channelized mode RS occur value	Control
provTCNThreshold15minChRsRecoverValue	TCN threshold 15min channelized mode RS occur value	Control

provTCNThresholdGroup provTCNThreshold15minCableGroup
provTCNThreshold15minChannelizedModeGroup
provTCNThreshold15minChMsTable

Object Name	Item	Trap Type
provTCNThreshold15minChMsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold15minChMsMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS	-
provTCNThreshold15minChMsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold15minChMsOccurValue	TCN threshold 15min channelized mode MS occur value	Control
provTCNThreshold15minChMsRecoverValue	TCN threshold 15min channelized mode MS occur value	Control

provTCNThresholdGroup provTCNThreshold15minCableGroup
provTCNThreshold15min16E1Group provTCNThreshold15min16E1PdhTable

Object Name	Item	Trap Type
provTCNThreshold15min16E1PdhIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold15min16E1PdhMonitorName	PMON type 1:CV	-
provTCNThreshold15min16E1PdhNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold15min16E1PdhOccurValue	TCN threshold 15min 16E1 PDH occur value	Control
provTCNThreshold15min16E1PdhRecoverValue	TCN threshold 15min 16E1 PDH occur value	Control

provTCNThresholdGroup provTCNThreshold1dayRadioGroup
provTCNThreshold1dayRadioTable

Object Name	Item	Trap Type
provTCNThreshold1dayModemIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold1dayModemMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-
provTCNThreshold1dayRadioNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold1dayRfOccurValue	TCN threshold 1day RF occur value	Control
provTCNThreshold1dayRfRecoverValue	TCN threshold 1day RF recover value	Control

provTCNThresholdGroup provTCNThreshold1dayCableGroup
provTCNThreshold1dayThroughModeGroup
provTCNThreshold1dayTmRsTable

Object Name	Item	Trap Type
provTCNThreshold1dayTmRsIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold1dayTmRsMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-
provTCNThreshold1dayTmRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold1dayTmRsOccurValue	TCN threshold 1day through mode RS occur value	Control
provTCNThreshold1dayTmRsRecoverValue	TCN threshold 1day through mode RS recover value	Control

provTCNThresholdGroup provTCNThreshold1dayCableGroup
provTCNThreshold1dayThroughModeGroup
provTCNThreshold1dayTmDMRRsTable

Object Name	Item	Trap Type
provTCNThreshold1dayTmDMRRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold1dayTmDMRRsMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-
provTCNThreshold1dayTmDMRRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold1dayTmDMRRsOccurValue	TCN threshold 1day through mode RS occur value	Control
provTCNThreshold1dayTmDMRRsRecoverValue	TCN threshold 1day through mode RS recover value	Control

provTCNThresholdGroup provTCNThreshold1dayCableGroup
provTCNThreshold1dayChannelizedModeGroup
provTCNThreshold1dayChRsTable

Object Name	Item	Trap Type
provTCNThreshold1dayChRsIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold1dayChRsMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS 6:OFS	-
provTCNThreshold1dayChRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold1dayChRsOccurValue	TCN threshold 1day channelized mode RS occur value	Control
provTCNThreshold1dayChRsRecoverValue	TCN threshold 1day channelized mode RS occur value	Control

provTCNThresholdGroup provTCNThreshold1dayCableGroup
provTCNThreshold1dayChannelizedModeGroup
provTCNThreshold1dayChMsTable

Object Name	Item	Trap Type
provTCNThreshold1dayChMsIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provTCNThreshold1dayChMsMonitorName	PMON type 1:BBE 2:ES 3:SES 4:SEP 5:UAS	-
provTCNThreshold1dayChMsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold1dayChMsOccurValue	TCN threshold 1day channelized mode MS occur value	Control
provTCNThreshold1dayChMsRecoverValue	TCN threshold 1day channelized mode MS occur value	Control

provTCNThresholdGroup provTCNThreshold1dayCableGroup
provTCNThreshold1day16E1Group provTCNThreshold1day16E1PdhTable

Object Name	Item	Trap Type
provTCNThreshold1day16E1PdhIndex	Index Type is "ifindex". Slot Number 1:Main Board 4:Option(16E1) Port Number 1:Port1 Path Number 1-16:CH01-CH16	-
provTCNThreshold1day16E1PdhMonitorName	PMON type 1:CV	-
provTCNThreshold1day16E1PdhNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold1day16E1PdhOccurValue	TCN threshold 1day 16E1 PDH occur value	Control
provTCNThreshold1day16E1PdhRecoverValue	TCN threshold 1day 16E1 PDH occur value	Control

provTCNThresholdGroup provTCNThreshold15minRmonGroup
provTCNThreshold15minRmonTable

Object Name	Item	Trap Type
provTCNThreshold15minRmonIndex	The value is fixed at 1.	-
provTCNThreshold15minRmonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold15minHCRxEthStatsDropEvents	TCN DropEvent Threshold - 15min value range :0-133929000 Default :133929000 0	Control
provTCNThreshold15minHCRxEthStatsUndersizePkts	TCN UndersizePkts Threshold - 15min value range :0-133929000 Default :133929000	Control
provTCNThreshold15minHCRxEthStatsFragments	TCN Fragments Threshold - 15min value range :0-133929000 Default :133929000	Control
provTCNThreshold15minHCRxEthStatsCRCAlignErrors	TCN CRCAlignErrors Threshold - 15min value range :0-133929000 Default :133929000	Control
provTCNThreshold15minHCRxEthStatsOversizePkts	TCN OversizePkts Threshold - 15min value range :0-133929000 Default :133929000	Control
provTCNThreshold15minHCTxEthStatsCollisions	TCN Collisions Threshold - 15min value range :0-133929000 Default :133929000	Control

provTCNThresholdGroup provTCNThreshold1dayRmonGroup
provTCNThreshold15minRmonTable

Object Name	Item	Trap Type
provTCNThreshold1dayRmonIndex	The value is fixed at 1.	-
provTCNThreshold1dayRmonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provTCNThreshold1dayHCRxEthStatsDropEvents	TCN DropEvent Threshold - 1day value range :0-4294967294 Default :4294967294	Control
provTCNThreshold1dayHCRxEthStatsUndersizePkts	TCN UndersizePkts Threshold - 1day value range :0-4294967294 Default :4294967294	Control
provTCNThreshold1dayHCRxEthStatsFragments	TCN Fragments Threshold - 1day value range :0-4294967294 Default :4294967294	Control
provTCNThreshold1dayHCRxEthStatsCRCAlignErrors	TCN CRCAlignErrors Threshold - 1day value range :0-4294967294 Default :4294967294	Control
provTCNThreshold1dayHCRxEthStatsOversizePkts	TCN OversizePkts Threshold - 1day value range :0-4294967294 Default :4294967294	Control
provTCNThreshold1dayHCTxEthStatsCollisions	TCN Collisions Threshold - 1day value range :0-4294967294 Default :4294967294	Control

provDXCGroup provDXCTable

Object Name	Item	Trap Type
provDXCIndex	The index values are from 1 to 168.	-
provDXCNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
serviceName	DXC service name ASCII 32bytes	Control
aTermProtection	A term protection 1:Non protection 2:Protection	Control
aTerm1	A term1 ifIndex Edge.A Term1 Index Type is "ifindex". Slot Number 1:Main Board 4:Option Port Number 1:Port1 Path Number 1-16:CH01-CH16	-
aTerm2	A term2 ifIndex Edge.A Term2 Index Type is "ifindex". Slot Number 1:Main Board 4:Option Port Number 1:Port1 Path Number 1-16:CH01-CH16	-
bTermProtection	B term protection 1:Non protection 2:Protection	Control
bTerm1	B term1 ifIndex Edge.B Term1 Index Type is "ifindex". Slot Number 1:Main Board 4:Option Port Number 1:Port1 Path Number 1-16:CH01-CH16	-
bTerm2	B term2 ifIndex Edge.B Term2 Index Type is "ifindex". Slot Number 1:Main Board 4:Option Port Number 1:Port1 Path Number 1-16:CH01-CH16	-
dxcmode	DXC mode 1:E1 2:RST	Control

provDXCGroup provE1SncpTable

Object Name	Item	Trap Type
provE1SncpIndex	This value is fixed at 1.	-
provE1SncpNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
holdOff	Hold Off Timer 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provStm1Group provStm1PortSetTable

Object Name	Item	Trap Type
provStm1PortSetIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provStm1PortSetNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
stm1PortName	Port Name ASCII 32bytes	Control
stm1PortUsage	Port Usage 0:Invalid 1:Not Used 2:Used	Control
stm1PathTraceTxValueJ0	Section Trace Send ASCII 15bytes	Control
stm1PathTraceRxExpValueJ0	Expected Section Trace ASCII 15bytes	Control

provStm1Group provStm1ChPortSetTable

Object Name	Item	Trap Type
provStm1ChPortSetIfIndex	Index Type is "ifindex". Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
provStm1ChPortSetNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
stm1ModeSetting	STM-1 Mode 0:Invalid 1:Through 2:Channelized	Control
stm1LowerOrderPathTrace	STM-1 Low order path trace 0: Not Used 1-63: CH1-CH63	Control
stm1PathTraceTxValueJ1	High Order Path Trace ASCII 15bytes	Control
stm1PathTraceRxExpValueJ1	Expected High Order Path Trace ASCII 15bytes	Control

provStm1Group provStm1CardSetTable

Object Name	Item	Trap Type
provStm1CardSetIndex	The value is fixed at 4.	-
provStm1CardSetNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
stm1TraceUsageSelect	Trace Mismatch Detection 0:Invalid 1:Enable J0 2:Enable J1	Control
stm1TraceMismatchAction	Trace Mismatch AIS Generation Action 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
stm1SfAlarmTransfer	Radio Alarm Transfer 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
stm1SdAlarmTransfer	Radio Alarm Transfer (SD) 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provExtClockGroup provExtClockTable

Object Name	Item	Trap Type
provExtClockIndex	The value is fixed at 1.	-
provExtClockNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
externalInterface	EXT CLK Interface 0:Invalid 1:bps 2:Hz	Control
crc	CRC On/Off 0:Invalid 1:Off 2:On	Control
ssm	SSM Support 0:Invalid 1:Not Support 2:Support	Control
saBit	Sa Bit 0:Invalid 1:Sa4 2:Sa5 3:Sa6 4:Sa7 5:Sa8	Control
thresholdAisGeneration	Threshold AIS Generation Mode 0:Invalid 1:Off 2:On	Control
extClkSel	EXT CLK Out SEL 0: Not Select 1: NE CLK 2: DMR Line CLK1 3: DMR Line CLK2 4: GbE Line CLK	Control

	5: E1 Line CLK 6: Option Line CLK(E1 or STM-1)	
aisHizSelect	BITS THZE 0:Invalid 1:HI-Z 2:AIS	Control

provTimingSourceGroup provClkSelectTable

Object Name	Item	Trap Type
provClkSelectIndex	The value is fixed at 1.	-
provClkSelectNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
e1LineClkSelect	E1 Line CLK Select 1-16:CH1-CH16	Control
stm1LineClkSelect	STM-1 Line CLK Select 1:Port1 2:Port2	Control
gbeLineClkSelect	GbE Line CLK Select 1:Port1 2:Port2 3:Port3 4:Port4 5:Port5 6:Port6	Control
mbTimingSourceSelect	Equipment CLK Mode 0:Invalid 1:Internal 2:DMR Line CLK1 3:DMR Line CLK2 4:Auto	Control
waitToRestore	Wait To Restore 0:Invalid 1:0s 2:10s 3:20s 4:30s 5:1min 6:2min 7:3min 8:4min 9:5min 10:6min 11:7min 12:8min 13:9min 14:10min 15:11min 16:12min 17:13min 18:14min 19:15min	Control
forcedSsmValue	Forced SSM value	Control
ssmUsage	SSM usage	Control
e1OptLineClkSelect	Option Line CLK(16E1) 1-16:CH1-CH16	Control

provTimingSourceGroup provTimingSourceSelectTable

Object Name	Item	Trap Type
provTimingSourceSelectIndex	The value is fixed at 1.	-
provTimingSourceSelectNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
clk2MTimingSourceSelect	Timing Source 0:Not Entry 1:EXT CLK 2:Line CLK1 3:Line CLK2 4:GbE Line CLK 5:E1 Line CLK 6:Option Line CLK(E1 or STM1)	Control
clk2MTimingSourcePriority	Priority Level 1-12	Control

provRelayGroup provRelayConfigTable

Object Name	Item	Trap Type
provRelayConfigIndex	The index values are from 1 to 6.	-
provRelayConfigNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
relayConfigData	Relay Configuration	Control

provRelayGroup provClusterAssignInputTable

Object Name	Item	Trap Type
provClusterAssignIndex	Index Type is "ifindex". Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The values are from 0x8011 to 0x8014.	-
provClusterAssignInputNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
relayClusterAssignInput	Cluster ALM1 In 0:Invalid 1:Disable 2:HK1 In 3:HK2 In 4:HK3 In 5:HK4 In 6:HK5 In 7:HK6 In	Control

provEOWGroup provEOWCallPolarityTable

Object Name	Item	Trap Type
provEOWCallPolaritySlotIndex	The value is fixed at 5.	-
provEOWCallPolarityNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provCallPolarity	Call Polarity 0:Invalid 1:Low 2:High	Control

provSCAssignGroup provSCAssignNoteTable

Object Name	Item	Trap Type
provSCAssignNoteIndex	The value is fixed at 1.	-
provSCAssignNoteNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provSCAssignNoteV11Interface	V.11 Directional Setting ASCII 32bytes.	Control
provSCAssignNoteV11SCAssign	V.11 / SC Setting ASCII 32bytes.	Control

provisioningGroup provSoftkeyTable

Object Name	Item	Trap Type
provSoftkeyIndex	1-2.	-
provSoftkeyNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provRadioCapacity	Radio Capacity - X (X:1-14) 0:Invalid 1:Not Assign 2:Slot1 3:Slot2 4:Slot3 5:Slot4 6:Slot5 7:Slot6 8:Slot7 9:Slot8 10:Slot9 11:Slot10 12:Slot11 13:Slot12 14:Slot13 15:Slot14	Control

provVlanGroup provVlanEquipmentTable

Object Name	Item	Trap Type
provVlanEquipmentIndex	The value is fixed at 1.	-
provVlanEquipmentNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
rovVlanEquipmentMode	VLAN Mode 0:Invalid 1:802.1q 2:802.1ad	Control

provVlanEquipmentDefaultVid	DefaultVid The values are from 1 to 4094.	Control
provVlanEquipmentDefaultTpid	Default VLAN TPID The values range from 0x8100 to 0xFFFF with 2 defaults and some unused values. 0x86DD(Not Used) 0x8808(Not Used) 0x8809(Not Used) 0x8100(802.1q default) 0x88a8(802.1ad default)	Control

provVlanGroup provVlanNameTable

Object Name	Item	Trap Type
provVlanNameVlanIndex	The index values are from 1 to 4094.	-
provVlanNameNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provVlanName	VLAN Service Name Ascii 32 bytes	Control

provVlanGroup provVlanCounterTable

Object Name	Item	Trap Type
provVlanCounterIndex	The index values are from 1 to 8.	-
provVlanCounterNEAddress	iPASOLINK NE IP Address (used as index of this table)	Control
provVlanCounterEntryPort	PortNo.ifindex	Control
provVlanCounterEntryVid	CounterEntryVid The values are from 1 to 4094.	Control

provQosGroup provQosEquipmentTable

Object Name	Item	Trap Type
provQosEquipmentIndex	Index value of is fixed at 1.	-
provQosEquipmentNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosEquipmentClassifyProfile	EquipmentClassifyProfile The values are from 0 to 3.	Control
provQosEquipmentClassMode	Class Mode 0:Invalid 1:4 Classes QoS	Control
provQosEquipmentClassificationMode	Classification Mode 0:Invalid 1:Equipment Based QoS Mode 2:Port Based QoS Mode	Control

provQosGroup provQosClassifyTable

Object Name	Item	Trap Type
provQosClassifyProfileIndex	The index values are from 1 to 3.	-
provQosClassifyEntryIndex	Classify Entry The index values are from 1 to 63.	-
provQosClassifyNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosClassifyField	ClassifyField -1:Unuse 1:VLAN CoS 2:IPv4 Precedence 3:IPv4 DSCP 4:IPv6 DSCP 10:Other	Control
provQosClassifyPriority	ClassifyPriority -1:Unuse 0:0 1:1 : 7:7 When set to DSCP, values range from 0 to 63.	Control
provQosClassifyInternalPriority	ClassifyInternalPriority -1:Unuse 0:0 1:1 : 7:7	Control

provQosGroup provQosIngressPolicingProfileTable

Object Name	Item	Trap Type
provQosIngressPolicingProfileIndex	Policer Profile Index The index values are from 1 to 16.	-
provQosIngressPolicingProfileNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosIngressPolicingProfileEir	IngressPolicingProfileEir 0:0[Kbps] : 1000000:1000000[Kbps]	Control
provQosIngressPolicingProfileCir	IngressPolicingProfileCir 0:0[Kbps] : 1000000:1000000[Kbps]	Control
provQosIngressPolicingProfileEbs	IngressPolicingProfileEbs 0:0[KByte] : 128[KByte]	Control
provQosIngressPolicingProfileCbs	IngressPolicingProfileCbs 0:0[KByte] : 64[KByte]	Control

provQosGroup provQosIngressPolicingTable

Object Name	Item	Trap Type
provQosIngressPolicingEntryIndex	The index values are from 1 to 256.	-
provQosIngressPolicingEntryNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosIngressPolicingEntryPortNumber	IngressPolicingEntryPortNumber For more detailed information on "ifindex", please refer to appendix.	Control
provQosIngressPolicingEntryVlanNumber	IngressPolicingEntryVlanNumber -1:Unuse 1:1 : 4094:4094	Control
provQosIngressPolicingEntryPriorityNumber	IngressPolicingInternalPriority -1:Unuse 0:0 1:1 : 7:7	Control

provQosGroup provQosEgressPortTable

Object Name	Item	Trap Type
provQosEgressPortIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1 : 6:Port6 Path Number The value is fixed at 0.	-
provQosEgressPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosEgressPortSchedMode	EgressPortSchedMode 0:Invalid 1:2xSP 2:4xSP 3:1xSP+3xDWRR 4:4xDWRR	Control
provQosEgressPortDropMode	EgressPortDropMode 0:Invalid 1:Tail Drop 2:WRED	Control
provQosEgressPortInternalPriority0Class	EgressPortInternalPriority0Class 0:0 1:1 2:2 3:3 (When set to 2xSP, value is either 0 or 1.)	Control
provQosEgressPortInternalPriority1Class	EgressPortInternalPriority1Class 0:0 1:1 2:2 3:3 (When set to 2xSP, value is either 0 or 1.)	Control

provQosEgressPortInternalPriority2Class	EgressPortInternalPriority2Class 0:0 1:1 2:2 3:3 (When set to 2xSP, value is either 0 or 1.)	Control
provQosEgressPortInternalPriority3Class	EgressPortInternalPriority3Class 0:0 1:1 2:2 3:3 (When set to 2xSP, value is either 0 or 1.)	Control
provQosEgressPortInternalPriority4Class	EgressPortInternalPriority4Class 0:0 1:1 2:2 3:3 (When set to 2xSP, value is either 0 or 1.)	Control
provQosEgressPortInternalPriority5Class	EgressPortInternalPriority5Class 0:0 1:1 2:2 3:3 (When set to 2xSP, value is either 0 or 1.)	Control
provQosEgressPortInternalPriority6Class	EgressPortInternalPriority6Class 0:0 1:1 2:2 3:3 (When set to 2xSP, value is either 0 or 1.)	Control
provQosEgressPortInternalPriority7Class	EgressPortInternalPriority7Class 0:0 1:1 2:2 3:3 (When set to 2xSP, value is either 0 or 1.)	Control
provQosEgressPortPortShaperRate	EgressPortPortShaperRate 1:1[Mbps] 2:2[Mbps] : 1000:1000[Mbps]	Control

provQosGroup provQosEgressTable

Object Name	Item	Trap Type
provQosEgressIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1 : 6:Port6 Path Number The value is fixed at 0.	-
provQosEgressClassIndex	Class The values range from 0 to 3.	Control
provQosEgressClassNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosEgressClassShaperRate	EgressClassShaperRate 1:0.001[Mbps] : 1000000:1000[Mbps]	Control
provQosEgressClassMinimumRate	EgressClassMinimumRate EgressClassShaperRate 0:0[Mbps] 1:0.001[Mbps] : 1000000:1000[Mbps]	Control
provQosEgressClassDWRRWeight	EgressClassDWRRWeight The values range from 1 to 127.	Control
provQosEgressQueueLength	EgressQueueLength The values range from 16 to 128.	Control
provQosEgressWtdYellowFrameThreshold	EgressWtdYellowFrameThreshold 10:10[%] : 100:100[%]	Control
provQosEgressWredYellowFrameThreshold	provQosEgressWredYellowFrameThreshold 10:10[%] : 100:100[%]	Control
provQosEgressWredGreenFrameThreshold	provQosEgressWredGreenFrameThreshold 10:10[%] : 100:100[%]	Control

provQosGroup provQosFloodControlEquipmentTable

Object Name	Item	Trap Type
provQosFloodControlEquipmentIndex	Equipment Index The value is fixed at 1.	-
provQosFloodControlEquipmentNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosFloodControlEquipmentFrameType	Equipment Frame Type 1:Unknown Unicast 2:Multicast 3:Broadcast	Control
provQosFloodControlEquipmentRate	Broadcast Storm Control Rate value range : 1 - 1000 [Mbps] (1000 - 1000000)	Control

provQosGroup provQosFloodControlTable

Object Name	Item	Trap Type
provQosFloodControlIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0. Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	-
provQosFloodControlNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosFloodControlFrameType	Frame Type 1:Unknown Unicast 2:Multicast 3:Broadcast	Control
provQosFloodControlEnabled	Broadcast Storm Control 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provQosGroup provQosPortClassifyTable

Object Name	Item	Trap Type
provQosPortClassifyIfIndex	Ifindex value range : 1- 2147483647	-
provQosPortClassifyNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosPortClassifyField	Port Classification Mode -1:Unuse 1:Port 3:CoS (S-Tag) 4:IPv4 / v6 DSCP	Control
provQosPortClassifyPriority	Default Port Priority value range : 0 - 7 (Unuse:-1)	Control

provQosGroup provQosPortClassifyDscpTable

Object Name	Item	Trap Type
provQosPortClassifyDscpProfileIndex	DSCP Profile Index The value is fixed at 1.	-
provQosPortClassifyDscpEntryIndex	DSCP Entry Index (1-64)	-
provQosPortClassifyDscpNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosPortClassifyDscpPriority	DSCP Value (DSCP Entry IndexX) (X:1-64) value range : 0 - 63 (Unuse:-1)	Control

provQosPortClassifyDscpInternalPriority	Internal Priority value set as DSCP Classification Table value range : 0 - 7	Control
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provQosGroup provQosVlanClassifyDefaultTable

Object Name	Item	Trap Type
provQosVlanClassifyDefaultIndex	The value is fixed at 1.	-
provQosVlanClassifyDefaultNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosVlanClassifyDefaultPriority	Default Priority Range: 0..7	Control

provQosGroup provQosVlanClassifyTable

Object Name	Item	Trap Type
provQosVlanClassifyProfileIndex	The value is fixed at 1.	-
provQosVlanClassifyEntryIndex	1-128	-
provQosVlanClassifyNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provQosVlanClassifyVlanIndex	VLAN ID 1-4094	-
provQosVlanClassifyInternalPriority	Default VLAN Priority 0 - 7	Control
provQosVlanClassifyRowStatus	VLAN ID<VLAN ID> 1:active 4:createAndGo 6:destroy	Control

provRstpGroup provRstpExtBridgeTable

Object Name	Item	Trap Type
provRstpExtBridgeIndex	The value is fixed at 1.	-
provRstpExtBridgeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provRstpExtBridgeEnable	STP Mode 0:Invalid 1:Disabled(Disable) 2:Enabled(RSTP)	Control
provRstpExtBridgeRstpMstpVersion	STP Mode 0:Invalid 1:RSTP 2:MSTP	Control
provRstpExtBridgeMaxAge	STP Bridge MAX Age The values are from 1 to 4094.	Control
provRstpExtBridgeHelloTime	STP Bridge Hello Time The values are from 1 to 2.	Control
provRstpExtBridgeForwardDelay	STP Bridge Forward Delay The values are from 4 to 30.	Control
provRstpExtBridgePriority	Bridge Priority The values are from 0 to 61440.	Control

provRstpExtBridgeTxHoldCount	STP TX Hold Count The values are from 1 to 10.	Control
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provRstpGroup provRstpExtPortTable

Object Name	Item	Trap Type
provRstpExtPortIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 : 4:Port4 Path Number The value is fixed at 0. Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	-
provRstpExtPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provRstpExtPortPriority	STP Port Priority 0:Auto 0:0 : 240:240	Control
provRstpExtPortEnable	Enable 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
provRstpExtPortAdminEdgePort	Edge Port 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
provRstpExtPortAdminPointToP oint	P-toP Port 0:ForceTrue 1:ForceFalse 2:Auto	Control
provRstpExtPortAdminPathCost	STP Port Pass Cost 0:Auto 1:1 : 200000000:200000000	Control

provEthOamGroup provEthOamMegTable

Object Name	Item	Trap Type
provEthOamMegIndex	The index values are from 1 to 128.	-
provEthOamMegNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provEthOamMegID	Maintenance Domain Name Ascii 42 bytes	Control

provEthOamMegLevel	MEG Level The values are from 0 to 7.	Control
provEthOamMegPeriod	ETH-CC Period 0:Invalid 1:3.3[ms] 2:10[ms] 3:100[ms] 4:1[s] 5:10[s] 6:60[s]	Control
provEthOamMegShortID	Short MA Name Ascii 43 bytes	Control
provEthOamMegCcmEnabled	CCM 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
provEthOamMegCcmPriority	CCM Priority The values are from 0 to 7.	Control

provEthOamGroup**provEthOamMipTable**

Object Name	Item	Trap Type
provEthOamMipIndex	MIP Index 1-32	-
provEthOamMipIfIndex	Item / Port 1-32	-
provEthOamMipVId	VLAN ID 1-4094	-
provEthOamMipMegLevel	0:level0 1:level1 2:level2 3:level3 4:level4 5:level5 6:level6 7:level7	Control
provEthOamMipNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provEthOamMipRowStatus	EthOamMip Row Status 1:active 4:createAndGo 6:destroy	Control

provEthOamGroup**provEthOamMepTable**

Object Name	Item	Trap Type
provEthOamMepIndex	The index values are from 1 to 128.	-
provEthOamMepNEAddress	iPASOLINK NE IP Address (used as index of this table)	Control
provEthOamMepIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1 :	Control

	4:Port4 Path Number The value is fixed at 0.	
provEthOamMepVld	VLAN ID The values are from 1 to 4094.	Control
provEthOamMepDirection	Direction 0:Invalid 1:Outside	Control
provEthOamMepId	MEP ID The values are from 1 to 8191.	Control

provEthOamGroup**provEthOamPeerListTable**

Object Name	Item	Trap Type
provEthOamPeerListIndex	The index values are from 1 to 128.	-
provEthOamPeerListNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provEthOamPeerListPeerMepId	Peer MEP ID The values are from 1 to 8191.	Control

provFdbGroup**provFdbEquipmentTable**

Object Name	Item	Trap Type
provFdbEquipmentIndex	The index value is fixed at 1.	-
provFdbEquipmentNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provFdbEquipmentAgingTime	FDB Aging Time 5:5[s] 163680:163680[s]	Control
provFdbEquipmentAgingEnable	Aging on/off 0:Invalid 1:On 2:Off	Control
provFdbEquipmentLearningLimit Mode	Equipment Learning Limit Mode 0:Invalid 1:Forwarding 2:Discard	Control

provFdbGroup**provFdbVlanTable**

Object Name	Item	Trap Type
provFdbVlanIndex	The index values are from 1 to 4094.	-
provFdbVlanNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provFdbVlanNumberOfLearning Entry	Number of Learning Entry The values are from 1 to 32768.	Control
provFdbVlanLearningLimitMode	Learning Limit Mode Enable 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
provFdbVlanLearningLimitMode Enable	Learning Limit Mode Enable 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provFdbGroup provFdbStaticEntryTable

Object Name	Item	Trap Type
provFdbStaticEntryIndex	The index values are from 1 to 256.	-
provFdbStaticVlanId	VLAN ID The values are from 1 to 4094.	Control
provFdbStaticPortIfIndex	Port No. Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1 : 4:Port6 Path Number The value is fixed at 0.	Control
provFdbStaticNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provFdbStaticMacAddress	MAC Address	Control

provFdbGroup provFdbPortTable

Object Name	Item	Trap Type
provFdbPortIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0. Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	-
provFdbPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provFdbPortLimitMode	Learning Limit Mode 1:Normal Forwarding 2:Protect Discard	Control
provFdbPortLimitEnable	Learning Limit Usage 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provLlfGroup provLlfGroupTable

Object Name	Item	Trap Type
provLlfGroupIndex	The index values are from 1 to 16.	-
provLlfGroupIfIndex	Llf Group Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1	Control

	: 4:Port6 Path Number The value is fixed at 0.	
provLlfGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provLlfGroupPortEnable	PortEnable 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provLlfGroup provLlfPortTable

Object Name	Item	Trap Type
provLlfPortIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1 : 4:Port4 Path Number The value is fixed at 0.	-
provLlfPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provLlfPortMode	LLF PortMode 0:Invalid 1:Trunk 2:Edge	Control
provLlfPortInfoForwarding	Send LLF Signal 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provLlfGroup provLlfGroupIgnoreTable

Object Name	Item	Trap Type
provLlfGroupIgnoreIndex	The index values are from 1 to 16.	-
provLlfGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provLlfGroupIgnoreEnable	Ignore Received LLF Signal	Control

provFilterGroup provFilterProfileTable

Object Name	Item	Trap Type
provFilterProfileIndex	The index values are from 1 to 64.	-
provFilterProfileNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provFilterEntryIndex1	Filter Index1 0:Invalid The values are from 1 to 256.	Control
provFilterEntryIndex2	Filter Index2 0:Invalid The values are from 1 to 256.	Control
provFilterEntryIndex3	Filter Index3 0:Invalid The values are from 1 to 256.	Control

provFilterEntryIndex4	Filter Index4 0:Invalid The values are from 1 to 256.	Control
provFilterEntryIndex5	Filter Index5 0:Invalid The values are from 1 to 256.	Control
provFilterEntryIndex6	Filter Index6 0:Invalid The values are from 1 to 256.	Control
provFilterEntryIndex7	Filter Index7 0:Invalid The values are from 1 to 256.	Control
provFilterEntryIndex8	Filter Index8 0:Invalid The values are from 1 to 256.	Control
provFilterEntryIndex9	Filter Index9 0:Invalid The values are from 1 to 256.	Control
provFilterEntryIndex10	Filter Index10 0:Invalid The values are from 1 to 256.	Control
provFilterProfileName	Filter Profile Name Ascii 32 bytes	Control

provFilterGroup provFilterEntryTable

Object Name	Item	Trap Type
provFilterEntryIndex	1-256	-
provFilterEntryNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provFilterEntryMode	1: deny 2: permit	Control
provFilterEntryTarget	0:Invalid 1:l2filter 2:ipv4filter 3:ipv6filter	Control
provFilterEntryDestMac	Destination MAC Address	Control
provFilterEntryDestMacMask	Destination MAC Address MASK MacAddress	Control
provFilterEntrySrcMac	Source MAC Address	Control
provFilterEntrySrcMacMask	Source MAC Address MASK MacAddress	Control
provFilterEntryEthertype	Ethernet Type	Control
provFilterEntryEthertypeMask	Ethernet Type MASK VLAN ID MASK	Control
provFilterEntryCos	CoS	Control
provFilterEntryCosMask	CoS MASK	Control
provFilterEntryVlan	VLAN ID	Control
provFilterEntryVlanMask	VLAN ID MASK	Control
provFilterrowStatus	0:Invalid 1:active 4:createAndGo 6:destroy	Status

provFilterGroup provFilterL2ProtoTable

Object Name	Item	Trap Type
provFilterL2ProtoIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1 : 6:Port6 Path Number The value is fixed at 0.	-
provFilterL2ProtoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provFilterL2ProtoBpduAction	STP/RSTP 0:Invalid 1:discard 2:transparent	Control
provFilterL2ProtoLacpAction	LACP/Link OAM 0:Invalid 1:discard 2:transparent	Control
provFilterL2ProtoPortAuthAction	Port Authentication 0:Invalid 1:discard 2:transparent	Control
provFilterL2ProtoPBAction	Provider Bridge 0:Invalid 1:discard 2:transparent	Control
provFilterL2ProtoLldpAction	LLDP 0:Invalid 1:discard 2:transparent	Control
provFilterL2ProtoOtherMacAction	Other Reserved MAC Address 0:Invalid 1:discard 2:transparent	Control
provFilterL2ProtoGarpAction	GRAP 0:Invalid 1:discard 2:transparent	Control

provFilterGroup provETHPortFwdTable

Object Name	Item	Trap Type
provETHPortFwdIfIndex	InterfaceIndex Index Type is "ifindex". Slot Number 0:Main Board Port Number 1-6:Port1-6 Path Number The value is fixed at 0.	-
provETHPortFwdNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provETHPortFwdIsolation	Port Isolate 0:Invalid 1:Disable 2:Enable	Control

provETHPortSetGroup provETHPortTable

Object Name	Item	Trap Type
provETHIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1 : 4:Port4 Path Number The value is fixed at 0.	-
provETHPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provETHPortInterfaceType	Media Type 0:Invalid 1:Optical 2:Electrical	Control
provETHPortSpeed	Speed (RJ - 45) 0:Invalid 1:Auto 2:10Mbps 3:100Mbps	Control
provETHPortDuplex	Duplex 0:Invalid 1:Half 2:Full	Control
provETHPortFlowControl	Flow Control 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
provETHPortMDIMDX	MDI / MDI-X 0:Invalid 1:MDI 2:MDI-X	Control
provETHPortPortClose	Port Usage 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
provETHPortMirroring	Monitoring 0:Invalid 1:Disable 2:Monitoring 3:Mirror	Control
provETHPortDirection	Monitoring Direction 0:Invalid 1:Ingress 2:Egress 3:Both	Control
provETHPortName	Port Name Ascii 32 bytes	Control

provETHPortSetGroup provETHPortMtuTable

Object Name	Item	Trap Type
provETHPortMtuIndex	The index value is fixed at 1.	-
provETHPortMtuNEAddress	iPASOLINK NE IP Address (used as index of this table)	-

provETHPortMtuFeMaxFrameSize	FE Max Frame Size 64:64[Byte] : 2000:2000[Byte]	Control
provETHPortMtuGbeMaxFrameSize	GbE Max Frame Size 64:64[Byte] : 9600: 9600[Byte]	Control

provLinkAggrGroup provLinkAggrGroupTable

Object Name	Item	Trap Type
provLinkAggrGroupIfIndex	Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	-
provLinkAggrGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provLinkAggrGroupMode	Mode 0:Invalid 1:LACP-Active 2:LACP-Passive 3:Static	Control
provLinkAggrGroupTxType	Distribution Rule 0: Invalid 1:L2 Base 2:L3 Base 3:MPLS Base	Control
provLinkAggrGroupName	LAG Name ASCII 32bytes.	Control
provLinkAggrGroupRowStatus	LAG<LAG> 1:active 4:createAndGo 6:destroy	Control

provEtherRingGroup provEtherRingTable

Object Name	Item	Trap Type
provEtherRingIndex	Unique ID for EtherRing Instance. 1..16	-
provEtherRingNEAddress	Reserved Object Identifier for the Northbound interface. interface for the EMS.	-
provEtherRingProtoVersion	ERP Version 0:Invalid 1:G.8032v1 2:G.8032v2	Control
provEtherRingName	Ring Name ASCII 32byte.	Control
provEtherRingAdminStatus	Ring Admin Status 0:Invalid 1:Down 2:Up	Control

provEtherRingRowStatus	Ring ID<Ring ID> 1:active 4:createAndGo 6:destroy	Control
provEtherRingType	Ring Type 0:Invalid 1:Major Ring 2:Sub Ring	Control

provEtherRingGroup provEtherRingPortTable

Object Name	Item	Trap Type
provEtherRingPortRingIndex	Unique ID for EtherRing Instance. 1..16	-
provEtherRingPortId	Ring Port (1-2)	-
provEtherRingPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provEtherRingPortRowStatus	Ring ID<Ring ID> 1:active 4:createAndGo 6:destroy	Control
provEtherRingPortIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0. Index Type is "ifindex". Slot Number The value is fixed at 0. Port Number 65 Path Number The value is fixed at 0.	Control
provEtherRingPortLocDetectMe p	LOC Detection MEP Index 0-128	Control

provEtherRingGroup provEtherRingCtrlVlanTable

Object Name	Item	Trap Type
provEtherRingCtrlVlanRingIndex	Unique ID for EtherRing Instance. 1..16	-
provEtherRingCtrlVlanNEAddress s	iPASOLINK NE IP Address (used as index of this table)	-
provEtherRingCtrlVlanId	Control VLAN ID (1-4094)	-
provEtherRingCtrlVlanRingId	Control MAC Address 1-239	Control
provEtherRingCtrlVlanMegLevel	R-APS Message MEG Level 0-7	Control
provEtherRingCtrlVlanPriority	R-APS Message Priority 0-7	Control

provEtherRingGroup**provEtherRingMemberVlanTable**

Object Name	Item	Trap Type
provEtherRingMemberVlanRingIndex	Unique ID for EtherRing Instance. 1..16	-
provEtherRingMemberVlanNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provEtherRingMemberVlanList	Traffic VLAN ID ASCII 512byte	Control

provEtherRingGroup**provEtherRingRPLPortTable**

Object Name	Item	Trap Type
provEtherRingRPLPortRingIndex	Unique ID for EtherRing Instance. 1..16	-
provEtherRingRPLPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provEtherRingRPLPortEnable	RPL Owner 0:Invalid 1:Disabled (Disable) 2:Enabled (Enable)	Control
provEtherRingRPLPortId	RPL Port 1-2	Control
provEtherRingRPLMode	Revertive Mode 0:Invalid 1:Revertive 2:Non Revertive	Control

provEtherRingGroup**provEtherRingTimerTable**

Object Name	Item	Trap Type
provEtherRingTimerRingIndex	Unique ID for EtherRing Instance. 1..16	-
provEtherRingTimerNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provEtherRingTimerWtrTimer	WTR Timer 5-12	Control
provEtherRingTimerGrdTimer	Guard Timer 1-200	Control

provEtherRingGroup**provEtherRingEquipmentTable**

Object Name	Item	Trap Type
provEtherRingEquipmentIndex	The value is fixed at 1.	-
provEtherRingEquipmentNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provEtherRingEquipmentEnable	ERP Mode 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provMseGroup provMseLineModeTable

Object Name	Item	Trap Type
provMseLineModeIfIndex	Index Type is "ifindex". Slot Number 4:MSE Port Number The value is fixed at 1. Path Number 1-16	-
provMseLineModeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMseLineModeType	PWE Type 0:Invalid 1:None 2:SAToP	Control

provMseGroup provMseClockModeTable

Object Name	Item	Trap Type
provMseClockModeIfIndex	Index Type is "ifindex". Slot Number 4:MSE Port Number The value is fixed at 1. Path Number 1-16	-
provMseClockModeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMseClockModeType	Clock Mode 0:Invalid 1:syncToSystem 2:syncToPw 3:syncToLine	Control
provMseClockACRLineSelect	Assign CH (1-16)	Control

provMseGroup provMseClockModeExtTable

Object Name	Item	Trap Type
provMseClockModeExtIfIndex	Index Type is "ifindex". Slot Number 4:MSE Port Number The value is fixed at 1. Path Number 1-16	-
provMseClockModeExtNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMseClockModeReply2Master	Output PW Packet to Master 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control
provMseClockSupplyMode	Clock Supply Mode 0:Invalid 1:Disabled(Disable) 2:Enabled(Enable)	Control

provMseGroup provMseClockSelectTable

Object Name	Item	Trap Type
provMseClockSelectCardId	ifindex	-
provMseClockSelectNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMseClockSelectLineNum	MSE E1 Clock Port 1-16	Control

provDot3OamGroup provDot3OamPortTable

Object Name	Item	Trap Type
provDot3OamPortIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6 Path Number 0	-
provDot3OamPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provDot3OamPortEnabled	Link OAM 0:Invalid 1:Disabled 2:Enabled	Control
provDot3OamPortMode	Link OAM Mode 0:Invalid 1:Passive 2:Active	Control
provDot3OamTxPduRepetitionTimes	TX PDU Repetition Times Range:1-10	-
provDot3OamLocalLinkLostTimer	Local Link Lost Timer Range:1-10	-
provDot3OamTxPduCounts	TX PDU Counts Range:1-10	-
provDot3OamLoopbackIgnoreRx	Loopback Ignore RX 0:Invalid 1:Ignore 2:Process	-
provDot3OamLlfCriticalEvent	LLF Critical Event 0:Invalid 1:Disabled 2:Enabled	-

provDot3OamGroup provDot3OamEventTable

Object Name	Item	Trap Type
provDot3OamEventIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6 Path Number 0	-
provDot3OamEventNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provDot3OamErrSymPeriodEventIfEnable	Errored Symbol Period 0:Invalid	-

	1:Disabled 2:Enabled	
provDot3OamErrFramePeriodEvNotifEnable	Errored Frame Period 0:Invalid 1:Disabled 2:Enabled	-
provDot3OamErrFrameEvNotifEnable	Errored Frame 0:Invalid 1:Disabled 2:Enabled	-
provDot3OamErrFrameSecsEvNotifEnable	Errored Frame Seconds Summary 0:Invalid 1:Disabled 2:Enabled	-
provDot3OamDyingGaspEnable	Dying Gasp 0:Invalid 1:Disabled 2:Enabled	Control
provDot3OamCriticalEventEnable	Critical Event 0:Invalid 1:Disabled 2:Enabled	Control

provMstpGroup provMstpBridgeTable

Object Name	Item	Trap Type
provMstpBridgeIndex	The value is fixed at 1.	-
provMstpBridgeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMstpBridgeEnable	STP Mode (MSTP) 0:Invalid 1:Disabled 2:Enabled	Control
provMstpBridgeMaxAge	STP Bridge MAX Age (MSTP) Range: 6..40	Control
provMstpBridgeHelloTime	STP Bridge Hello Time (MSTP) Range: 1..2	-
provMstpBridgeForwardDelay	STP Bridge Forward Delay (MSTP) Range: 4..30	Control
provMstpBridgeTxHoldCount	STP TX Hold Count (MSTP) Range: 1..10	Control
provMstpBridgeMaxHopCount	MAX Hop Count (MSTP) Range: 1..40	Control
provMstpBridgeRegionName	Region Name	Control
provMstpBridgeRevisionNum	Revision No. Range: 0..65535	Control
provMstpBridgeBpduFilter	BPDU Filter (MSTP) 0:Invalid 1:Disabled 2:Enabled	Control
provMstpBridgeBpduGuardTimer	BPDU Guard Timer Range: 0,10..1000000	Control

provMstpGroup provMstpBridgeCistTable

Object Name	Item	Trap Type
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provMstpBridgeCistIndex	The value is fixed at 1.	-
provMstpBridgeCistNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMstpBridgeCistPriority	Bridge Priority (MSTP - IST) Range: 0..61440	Control
provMstpBridgeCistVlanList	Member VLAN (MSTP - IST)	Control

provMstpGroup provMstpBridgeMstTable

Object Name	Item	Trap Type
provMstpBridgeMstIndex	The index values are from 1 to 4.	-
provMstpBridgeMstNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMstpBridgeMstPriority	Bridge Priority (MSTP - MSTIx) (x : 1-4) Range: 0..61440	Control
provMstpBridgeMstVlanList	Member VLAN (MSTP - MSTIx) (x : 1-4)	Control
provMstpBridgeMstInstanceNum	Instance No. (MSTP - MSTIx) (x : 1-4) Range: 1..4093	Control
provMstpBridgeMstRowStatus	Row Status 1:active 4:createAndGo 6:destroy	Control

provMstpGroup provMstpPortCistTable

Object Name	Item	Trap Type
provMstpPortCistIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 2:MODEM1 3:MODEM2 Port Number 1-6 Path Number 0	-
provMstpPortCistNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMstpPortCistPriority	STP Port Priority (MSTP - IST) Range: 0..240	Control
provMstpPortCistEnable	Enable (MSTP - IST) 0:Invalid 1:Disabled 2:Enabled	Control
provMstpPortCistEdgePort	Edge Port (MSTP - IST) 0:Invalid 1:Disabled 2:Enabled	Control
provMstpPortCistPathCost	STP Port Path Cost (MSTP - IST) Range: 0..200000000	Control
provMstpPortCistBpduGuard	BPDU Guard (MSTP - IST) 0:Invalid 1:Disabled 2:Enabled	Control
provMstpPortCistRestrictRole	Root Guard (MSTP - IST)	Control

	0:Invalid 1:Disabled 2:Enabled	
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provMstpGroup provMstpPortMstTable

Object Name	Item	Trap Type
provMstpPortMstIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 2:MODEM1 3:MODEM2 Port Number 1-6 Path Number 0	-
provMstpPortMstIndex	Range: 1..4	
provMstpPortMstNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
provMstpPortMstPriority	STP Port Priority (MSTP - MSTIx) (x : 1-4) Range: 0..240	Control
provMstpPortMstEnable	Enable (MSTP - MSTIx) (x : 1-4) 0:Invalid 1:Disabled 2:Enabled	Control
provMstpPortMstPathCost	STP Port Path Cost (MSTP - MSTIx) (x : 1-4) Range: 0..200000000	Control

2.2.6 maintenanceGroup

For more detailed information on "ifindex", please refer to appendix.

maintCommonTable

Object Name	Item	Trap Type
maintCommonIndex	The value is fixed at 1.	-
maintCommonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintMode	Maintenance 0:Invalid 1:Off 2:On	Control
maintLANDeviceReset	L2SW Device Reset 0:Invalid 1:Reset	Control

maintCardTable

Index Name	Index information	Trap Type
maintCardIndex	Index type is Card Index. 1:Main Board 2:MODEM No.1 3:MODEM No.2 4:Option(16E1) or Option(STM-1) or Option(MSE) For more detailed information on " ifindex", please refer to appendix.	-
maintCardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintLANDeviceReset	Card Reset 0:Invalid 1:Reset	Control

maintIduResetTable

Index Name	Index information	Trap Type
maintIduResetIndex	Index type is "ifindex". Slot Number 2:MODEM No.1(ODU No.1) 3:MODEM No.2(ODU No.2) Port Number 1:Port1 Path Number The value is fixed at 0. For more detailed information on " ifindex", please refer to appendix.	-
maintOduResetNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintIduReset	CPU Reset (IDU) 0:Invalid 1:Normal Reset 2:Revert Reset	Control

maintModemTable

Object Name	Item	Trap Type
maintModemIfIndex	Index type is "ifindex". Slot Number 2:MODEM No.1(ODU No.1) 3:MODEM No.2(ODU No.2) Port Number 1:Port1 Path Number The value is fixed at 0. For more detailed information on "ifindex", please refer to appendix.	-
maintModemNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintModemATPCManualControl	ATPC Manual Control 0:Invalid 1:Off 2:On	Control
maintModemATPCManualControlPower	ATPC Manual Control Power -380 to 400 (*) If this item is obtained from upper AP, 10 times the actual value will result (thus, the value must be multiplied by 1/10 by upper).	Control
maintModemTxMuteControl	TX Mute Control 0:Invalid 1:Off 2:On	Control
maintModemTxMuteControlReleaseTime	TX Mute Release Time 0:Off 90:90[S] 180:180[S] 300:300[S] 3600:60[min] 43200:12[h]	Control
maintModemCW	CW Control 0:Invalid 1:Off 2:On	Control
maintModemCWReleaseTime	CW Release Time 0:Off 90:90[S] 180:180[S] 300:300[S] 3600:60[min] 43200:12[h]	Control
maintModemIFLoopback	IF Loopback 0:Invalid 1:Off 2:On	Control

maintModemIFLoopbackReleaseTime	IF Loopback Release Time 0:Off 90:90[S] 180:180[S] 300:300[S] 3600:60[min] 43200:12[h]	Control
maintModemTxModulationManualControl	TX Modulation Manual Control 0:Invalid 1:Auto 2:QPSK 3:16QAM 4:32QAM 5:64QAM 6:128QAM 7:256QAM	Control
maintModemRFSubBandSelect	RF SUB Band Select 0 :Invalid 65:A 66:B 67:C 68:D 69:E 70:F 71:G 72:H 74:J 75:K 76:L 77:M 78:N 80:P 82:R 88:X	Control

maintSwGroupTable

Object Name	Item	Trap Type
maintSwGroupIfIndex	Index type is "ifindex". Slot Number 2:MODEM No.1(ODU No.1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
maintSwGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintTxSWControl	TX SW Manual Control 0:Invalid 1:Auto 2:Manual - No.1 3:Manual - No.2	-
maintTxSWMode	TX SW Manual Control 0:Invalid 1:Auto 2:Manual - No.1 3:Manual - No.2 4:Forced - No.1 5:Forced - No.2 This Object will be used to notify t	Control

	he setup contents of maintTxSWC ontrol.	
maintRxSWControl	RX SW Manual Control 0:Invalid 1:Auto 2:Manual - No.1 3:Manual - No.2	-
maintRxSWMode	RX SW Manual Control 0:Invalid 1:Auto 2:Manual - No.1 3:Manual - No.2 4:Forced - No.1 5:Forced - No.2 This Object will be used to notify t he setup contents of maintRxSWC ontrol.	Control

maintE1SystemTable

Object Name	Item	Trap Type
maintE1SystemIfIndex	Index Type is "ifindex". Slot Number 1:Main Board 4:Option(16E1) Port Number 1:Port1 Path Number 1:CH01 : 16:CH16	-
maintE1SystemNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintE1ChLoopback1	E1 Loopback1 0:Invalid 1:Off 2:On	Control
maintE1ChLoopback2	E1 Loopback2 0:Invalid 1:Off 2:On	Control

maintEthOamLbResultMacTable

Object Name	Item	Trap Type
maintEthOamLbResultMacMepl ndex	1-128	-
maintEthOamLbResultMacNum ber	1-16	-
maintEthOamLbResultMacNEA ddress	iPASOLINK NE IP Address (used as index of this table)	-
maintEthOamLbResultMac	Result 0:Invalid 1:Received 2:Timeout	-

maintEthOamLbResultMacSrcAddress	00:00:00:00:00:00-FF:FF:FF:FF:F F:FF	-
maintEthOamLbResultMacTime	Round Trip Time 0-8388608 [us]	-

maintEthOamLmTable

Object Name	Item	Trap Type
maintEthOamLmMepIndex	1-128	-
maintEthOamLmNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintEthOamLmExecute	0:Invalid 1:Set 2:Stop	Control
maintEthOamLmDesAddress	00:00:00:00:00:00-FF:FF:FF:FF:F F:FF	Control
maintEthOamLmCount	0, 1-500	Control
maintEthOamLmPeriodS	1-10 [s]	Control
maintEthOamLmPriority	0-7 or ALL	Control
maintEthOamLmTargetFrmPriority	Target Frame Priority ALL	Control

maintEthOamLmResultTable

Object Name	Item	Trap Type
maintEthOamLmResultMepIndex	1-128	-
maintEthOamLmResultNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintEthOamLmResultIfIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0.	-
maintEthOamLmResultSrcMacAddress	Source MAC Address 00:00:00:00:00:00-FF:FF:FF:FF:F F:FF	-
maintEthOamLmResultVid	VLAN ID 0-4094	-
maintEthOamLmResultMegId	Maintenance Domain Name ASCII 20bytes	-
maintEthOamLmResultMepId	MEP ID 1-8191	-
maintEthOamLmResultMegLevel	MEG Level 0-7	-
maintEthOamLmResultDesMacAddress	Destination MAC Address 00:00:00:00:00:00-FF:FF:FF:FF:F F:FF	-
maintEthOamLmResultRequest	Request LMM 0-500	-

maintEthOamLmResultReceive	Receive LMR 0-500	-
maintEthOamLmResultTxFrame Loss	Sum of Transmit Frame Loss 0-500	-
maintEthOamLmResultTxFLR	Rate of Transmit Frame Loss 0-100	-
maintEthOamLmResultRxFrameLoss	Sum of Receive Frame Loss 0-500	-
maintEthOamLmResultRxFLR	Rate of Receive Frame Loss 0-100	-
maintEthOamLmResultErrCount	Error Count 0-500	-
maintEthOamLmResultLastUpTime	Execution Time MM/dd/yyyy HH:mm:ss	-
maintEthOamLmResultExecStatus	Execution Status 0:Invalid 1:Running 2:Cancel 3:Completed	-

maintLogGroup maintClearLogTable

Object Name	Item	Trap Type
maintClearLogIndex	This value is fixed at 1.	
maintLogGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
localLogClear	Log Clear 0:Command Log 1:Event Log 2:Alarm Log 3:All Log	Control

maintEtherRingGroup maintEtherRingLoopDetectClearTable

Object Name	Item	Trap Type
maintEtherRingLoopDetectClearRingId	1-16	-
maintEtherRingLoopDetectClearPortId	1-2	-
maintEtherRingLoopDetectClearNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintEtherRingLoopDetectClearCommand	Loop Detection Restart (Ring PortX) X:0-1 0:Invalid 1:None 2:Clear	Control

maintEtherRingGroup maintEtherRingSwitchControlTable

Object Name	Item	Trap Type
maintEtherRingSwitchControlRingId	1-16	-
maintEtherRingSwitchControlPortId	1-2	-
maintEtherRingSwitchControlNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintEtherRingSwitchControlCommand	ERP Control (Ring PortX) X:0-1 0:Invalid 1:None 2:Forced SW 3:Manual SW 4:Clear	Control

maintDot3OamGroup maintDot3OamLoopbackPortTable

Object Name	Item	Trap Type
maintDot3OamLoopbackPortIndex	Index Type is "ifindex". Slot Number 1:Main Board Port Number 1:Port1-6 Path Number 0	-
maintDot3OamLoopbackPortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintDot3OamLoopbackPortControl	Link OAM Loopback 0:Invalid 1:No Operation 2:On 3:Off	-
maintDot3OamLoopbackPortStatus	Loopback Status 0:Invalid 1:Off 2:On (Active) 3:On (Passive)	Control

maintMstpGroup maintMstpBridgeTable

Object Name	Item	Trap Type
maintMstpBridgeIndex	The value is fixed at 1.	-
maintMstpBridgeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
maintMstpBridgeModeClear	MSTP Clear 0:Invalid 1:None 2:Clear	Control

2.2.7 inventoryGroup

The object ID's in this group defines inventory information of the ODU and IDU.

invMainInfoTable

Object Name	Item	Trap Type
invMainInfoIndex	Fixed at 1	-
invMainInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invMainName	Main card name ASCII 16bytes	-
invMainCodeNo	Code number ASCII 16bytes	-
invMainSerialNo	Serial number ASCII 8bytes	-

invCardInfoTable

Object Name	Item	Trap Type
invCardInfoIndex	ifIndex 4: Option(STM-1/16E1/MSE) 5: AUX 6: PS1 7: Option(PS2) 8: FAN	-
invCardInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invCardName	Card name ASCII 16bytes	-
invCardCodeNo	Code number ASCII 16bytes	-
invCardSerialNo	Serial number ASCII 8bytes	-
invCardManufacturedDate	Date of manufacture ASCII 8bytes "YYYYMMDD"	-

invFPGAInfoTable

Object Name	Item	Trap Type
invFPGAInfoIndex	ifIndex 1: Main Board 4: Option(STM-1/16E1)	-
invFPGAInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invFPGAName	FPGA name ASCII 16bytes	-
invFPGACodeNo	Code number ASCII 16bytes	-
invFPGAHardVersion	Hardware version number ASCII 8bytes ("xx.yy")	-

invModuleInfoOduTable

Object Name	Item	Trap Type
invModuleInfoOduIfIndex	Index Type is "ifindex". Slot Number 2:ODU No.1 3:ODU No.2 Port Number 1:Port1 Path Number 0	-
invModuleInfoOduNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invOduCardName	ODU name ASCII 16bytes	-
invOduCardCodeNo	Code number ASCII 16bytes	-
invOduCardHardVersion	Hardware version number ASCII 8bytes	-
invOduCardSerialNo	Serial number ASCII 8bytes	-
invOduCardManufacturedDate	Date of manufacture ASCII 8bytes "YYYYMMDD"	-
invOduCardFirmCurrentVersion	Firmware version number ASCII 8bytes	-
invOduCardFirmUncurrentVersion	Firmware version number (Uncurrent side) ASCII 8bytes	-
invOduFreqInfoTxStartFrequency	TX Start Frequency [MHz] ASCII 9bytes	-
invOduFreqInfoTxStopFrequency	TX Stop Frequency [MHz] ASCII 9bytes	-
invOduFreqInfoRxStartFrequency	RX Start Frequency [MHz] ASCII 9bytes	-
invOduFreqInfoRxStopFrequency	RX Stop Frequency [MHz] ASCII 9bytes	-
invOduFreqInfoFrequencyStep	Frequency Step [MHz] ASCII 7bytes	-
invOduFreqInfoShiftFrequency	Shift Frequency [MHz] ASCII 8bytes	-
invOduFreqInfoUpperLower	Upper/Lower 1: Upper 2: Lower	-
invOduFreqInfoTxPhase	TX Phase 1:Forward 2:Reverse	-
invOduFreqInfoRxPhase	RX Phase 1:Forward 2:Reverse	-
invOduFreqInfoSubBand	SUB Band ASCII 1byte	-

invUpdateInfoTable

Object Name	Item	Trap Type
invUpdateInfoIndex	Fixed at 1	-
invUpdateInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invUpdateInfoSummary	When inventory info is updated, this MIB will be sent as the trap with the value "0".	Status

invSfpInfoTable

Object Name	Item	Trap Type
invSfpInfoIndex	Index Type is "ifindex". Slot Number 1:Main Board 4:(Option STM-1) Port Number 1:Port1 Path Number 1:CH01 : 16:CH16	-
invSfpInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invSfpVendorName	Vendor Name ASCII 16bytes	-
invSfpVendorPn	Part No. ASCII 16bytes	-
invSfpVendorVer	Revision ASCII 4bytes	-
invSfpVendorSn	Vendor Serial No. ASCII 16bytes	-
invSfpType	Type ASCII	-
invSfpManufactureDate	Manufactured Date ASCII	-

invSoftkeyInfoTable

Object Name	Item	Trap Type
invSoftkeyInfoIndex	Fixed at 1	-
invSoftkeyInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invSoftkeySerialNo	Software Key Serial No.	-

invClk2mInfoTable

Object Name	Item	Trap Type
invClk2mInfoIndex	Fixed at 1	-
invClk2mInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invClk2mCardName	Card name	-
invClk2mCardCodeNo	Code number	-
invClk2mCardSerialNo	Serial number	-
invClk2mCardManufacturedDate	Date of manufacture ASCII 8bytes "YYYYMMDD"	-
invClk2mCardHardVersion	Hardware version number.	-

invMacAddressInfoTable

Object Name	Item	Trap Type
invMacAddressInfoIndex	Index Type is "ifindex". Slot Number 1:Main Board 4:(Option 16E1) Port Number 1:Port1 Path Number 1:CH01 : 16:CH16	-
invMacAddressInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invMacAddress	MAC address	-

invModemParamInfoTable

Object Name	Item	Trap Type
invModemParamInfoIndex	Index Type is "ifindex". Slot Number 1:Main Board 4:(Option 16E1) Port Number 1:Port1 Path Number 1:CH01 : 16:CH16	-
invModemParamInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invModemParamVersion	Modem parameter version.	-

invChassisInfoTable

Object Name	Item	Trap Type
invChassisInfoIndex	Fixed at 1	-
invChassisInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invChassisName	Chassis name	-
invChassisSerialNo	Serial number	-
invChassisManufacturedDate	Date of manufacture ASCII 8bytes "YYYYMMDD"	-

2.2.8 meteringGroup

For more detailed information on “ifindex”, please refer to appendix.

meteringTable

Object Name	Item	Trap Type
meteringIfIndex	Index Type is “ifindex”. Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
meteringNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
metSysTxPowerStatus	TX Power Status 0: Invalid(Not obtained or Out of range) 1: valid	-
metSysTxPowerValue	TX Power ([dBm]) "+/-**.*" (ASCII 5bytes) When metSysTxPowerStatus = 0, stored values are variant & negligible.	-
metSysRxLevelStatus	RX Level Status 0: Invalid(Not obtained or Out of range) 1: valid	-
metSysRxLevelValue	Rx Level ([dBm]) "+/-**.*" (ASCII 5bytes) When metSysRxLevelStatus = 0, stored values are variant & negligible.	-
metSysPSVoltageStatus	ODU Power Supply Status 0: Invalid(Not obtained or Out of range) 1: valid	-
metSysPSVoltageValue	ODU Power Supply ([V]) "_**" When metSysPSVoltageStatus = 0, stored values are variant & negligible.	-
metSysBitErrorRateStatus	BER Status FFh: Finalized data 7Fh: Calculating	-
metSysBitErrorRateValue	BER "*.*E-**"	-

meteringSfpTable

Object Name	Item	Trap Type
meteringSfpIfIndex	Index Type is “ifindex”. Slot Number 4:Option(STM-1) Port Number 1:Port1	-

	Path Number The value is fixed at 0. Index Type is "ifindex". Slot Number 1:Main Board Port Number 5-6:Port5-Port6 Path Number The value is fixed at 0.	
meteringSfpNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
meteringSfpTxPower	SFP TX Power ([dBm]) "+/-**.*" (ASCII 5bytes) When meteringSfpTxPowerStatus = 0, stored values are variant & negligible.	-
meteringSfpTxPowerStatus	SFP TX Power 0: Invalid(Not obtained or Out of range) 1: valid	-
meteringSfpRxPower	SFP RX Power ([dBm]) "+/-**.*" (ASCII 5bytes) When meteringSfpTxPowerStatus = 0, stored values are variant & negligible.	-
meteringSfpRxPowerStatus	SFP RX Power Status 0: Invalid(Not obtained or Out of range) 1: valid	-

meteringFanTable

Object Name	Item	Trap Type
meteringFanSlotIndex	This value is fixed at 1.	-
meteringFanNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
meteringFanSpeed1	FAN Speed1 ([rpm]) "*****" (ASCII 4bytes) When meteringSfpTxPowerStatus = 0, stored values are variant & negligible.	-
meteringFanSpeed1Status	FAN Speed1 Status 0: Invalid(Not obtained or Out of range) 1: valid	-
meteringFanSpeed2	FAN Speed2 ([rpm]) "*****" (ASCII 4bytes) When meteringSfpTxPowerStatus = 0, stored values are variant & negligible.	-
meteringFanSpeed2Status	FAN Speed2 Status 0: Invalid(Not obtained or Out of range) 1: valid	-

meteringFanSpeed3	FAN Speed3 ([rpm]) "*****" (ASCII 4bytes) When meteringSfpTxPowerStatus = 0, stored values are variant & negligible.	-
meteringFanSpeed3Status	FAN Speed3 Status 0: Invalid(Not obtained or Out of range) 1: valid	-

2.2.9 pmonGroup

For more detailed information on “ifindex”, please refer to appendix.

pmon15minDataRadioGroup

pmon15minDataRadioTable

Object Name	Item	Trap Type
pmon15minDataModemIfIndex	Index Type is “ifindex”. Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
pmon15minDataModemMonitor Name	PMON item type 1:BBE 2:ES 3:SES 4:SEF 5:UAS 6:OFS	-
pmon15minDataRadioNEAddresses	iPASOLINK NE IP Address (used as index of this table)	-
pmon15minDataModemStatusInfo	PMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
pmon15minDataRfValue	RF PMON data	-

pmon15minDataCableGroup
pmon15minDataTmRsTable

pmon15minDataThroughModeGroup

Object Name	Item	Trap Type
pmon15minDataTmRsIfIndex	Index Type is “ifindex”. Slot Number 4:Option(STM-1) Port Number 1:Port1 Path Number The value is fixed at 0.	-
pmon15minDataTmRsMonitorName	PMON item type 1:BBE 2:ES 3:SES 4:SEF 5:UAS 6:OFS	-
pmon15minDataTmRsNEAddresses	iPASOLINK NE IP Address (used as index of this table)	-
pmon15minDataTmRsStatusInfo	PMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
pmon15minDataTmRsValue	RS PMON data	-

2.2.10 pmonTxRxLevGroup

For more detailed information on “ifindex”, please refer to appendix.

pmonTxRxLev15minCurrentDataTable

Object Name	Item	Trap Type
pmonTxRxLev15minCurrentDataIfIndex	Index Type is “ifindex”. Slot Number 2:MODEM No.1 3:MODEM No.2 Port Number 1:Port1 Path Number The value is fixed at 0.	-
pmonTxRxLev15minCurrentDataNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmonTxRxLev15minCurrentDataStatusInfo	PMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
pmonTxRxLev15minRxLevelMaxCurrentData	RX Level (MAX) ([dBm]) "+/-**.*" (ASCII 5bytes) When pmonTxRxLev15minCurrentDataStatusInfo = 0, stored values are variant & negligible.	-
pmonTxRxLev15minRxLevelMinCurrentData	RX Level (MIN) ([dBm]) "+/-**.*" (ASCII 5bytes) When pmonTxRxLev15minCurrentDataStatusInfo = 0, stored values are variant & negligible.	-

pmonTxRxLev1dayCurrentDataTable

Object Name	Item	Trap Type
pmonTxRxLev1dayCurrentDataIfIndex	ifIndex [Modem SlotNo+1 PortNo(1)]	-
pmonTxRxLev1dayCurrentDataNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmonTxRxLev1dayCurrentDataStatusInfo	PMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
pmonTxRxLev1dayRxLevelMaxCurrentData	RX Level (MAX) ([dBm]) "+/-**.*" (ASCII 5bytes) When pmonTxRxLev1dayCurrentDataStatusInfo = 0, stored values are variant & negligible.	-

pmonTxRxLev1dayRxLevelMinC urrentData	RX Level (MIN) ([dBm]) "+/-**.*" (ASCII 5bytes) When pmonTxRxLev1dayCurrentDataSt atusInfo = 0, stored values are variant & negligible.	-
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2.2.11 rmonGroup

For more detailed information on “ifindex”, please refer to appendix.

rmon15minPortGroup rmon15minPortTable

Object Name	Item	Trap Type
rmon15minIfIndex	Index Type is “ifindex”. Slot Number 1:Main Board(GbE) 2:MODEM No.1 3:MODEM No.2 Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0.	-
rmon15minNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
rmon15minRxEthStatsPkts	Frame Receive Count	-
rmon15minRxEthStatsPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsPkts	Frame Transmit Count	-
rmon15minTxEthStatsPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsDropEvents	Frame Receive Discards Count	-
rmon15minRxEthStatsDropEventsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsUndersizePkts	Frame Receive Undersize Packet Count	-
rmon15minRxEthStatsUndersizePktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsFragmentss	Frame Receive Undersize Error Packet Count	-
rmon15minRxEthStatsFragmentssStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsPkts64Octets	Frame Receive 64Octets Packet Count	-

rmon15minRxEthStatsPkts64OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsPkts64Octets	Frame Transmit 64Octets Packet Count	-
rmon15minTxEthStatsPkts64OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsPkts65to127Octets	Frame Receive 65to127Octets Packet Count	-
rmon15minRxEthStatsPkts65to127OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsPkts65to127Octets	Frame Transmit 65to127Octets Packet Count	-
rmon15minTxEthStatsPkts65to127OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsPkts128to255Octets	Frame Receive 128to255Octets Packet Count	-
rmon15minRxEthStatsPkts128to255OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsPkts128to255Octets	Frame Transmit 128to255Octets Packet Count	-
rmon15minTxEthStatsPkts128to255OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsPkts256to511Octets	Frame Receive 256to511Octets Packet Count	-
rmon15minRxEthStatsPkts256to511OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsPkts256to511Octets	Frame Transmit 256to511Octets Packet Count	-

rmon15minTxEthStatsPkts256to511OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsPkts512to1023Octets	Frame Receive 512to1023Octets Packet Count	-
rmon15minRxEthStatsPkts512to1023OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsPkts512to1023Octets	Frame Transmit 512to1023Octets Packet Count	-
rmon15minTxEthStatsPkts512to1023OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsPkts1024to1518Octets	Frame Receive 1024to1518Octets Packet Count	-
rmon15minRxEthStatsPkts1024to1518OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsPkts1024to1518Octets	Frame Transmit 1024to1518Octets Packet Count	-
rmon15minTxEthStatsPkts1024to1518OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsCRCAAlignErrors	Frame Receive Alignment Error Packet Count	-
rmon15minRxEthStatsCRCAAlignErrorsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsOversizePkts	Frame Receive Oversize Error Packet Count	-
rmon15minRxEthStatsOversizePktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsJabbers	Frame Receive Oversize FCS Error Packet Count	-

rmon15minRxEthStatsJabbersStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsMulticastPkts	Frame Receive Multicast Packets Count	-
rmon15minRxEthStatsMulticastPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsMulticastPkts	Frame Transmit Multicast Packets Count	-
rmon15minTxEthStatsMulticastPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minRxEthStatsBroadcastPkts	Frame Receive Broadcast Packets Count	-
rmon15minRxEthStatsBroadcastPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsBroadcastPkts	Frame Transmit Broadcast Packets Count	-
rmon15minTxEthStatsBroadcastPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsCollisions	Frame Transmit Collision Packets Count	-
rmon15minTxEthStatsCollisionsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon15minTxEthStatsOversizePkts	Frame Transmit Oversize Error Packet Count	-
rmon15minTxEthStatsOversizePktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-

rmon1dayPortGroup rmon1dayPortTable

Object Name	Item	Trap Type
rmon1dayIfIndex	Index Type is "ifindex". Slot Number 1:Main Board(GbE) 2:MODEM No.1 3:MODEM No.2 Port Number 1-6:Port1-Port6 Path Number The value is fixed at 0.	-
rmon1dayNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
rmon1dayRxEthStatsPkts	Frame Receive Count	-
rmon1dayRxEthStatsPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsPkts	Frame Transmit Count	-
rmon1dayTxEthStatsPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsDropEvents	Frame Receive Discards Count	-
rmon1dayRxEthStatsDropEventsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsUndersizePkts	Frame Receive Undersize Packet Count	-
rmon1dayRxEthStatsUndersizePktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsFragments	Frame Receive Undersize Error Packet Count	-
rmon1dayRxEthStatsFragmentsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsPkts64Octets	Frame Receive 64Octets Packet Count	-
rmon1dayRxEthStatsPkts64OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-

rmon1dayTxEthStatsPkts64Octets	Frame Transmit 64Octets Packet Count	-
rmon1dayTxEthStatsPkts64OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsPkts65to127Octets	Frame Receive 65to127Octets Packet Count	-
rmon1dayRxEthStatsPkts65to127OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsPkts65to127Octets	Frame Transmit 65to127Octets Packet Count	-
rmon1dayTxEthStatsPkts65to127OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsPkts128to255Octets	Frame Receive 128to255Octets Packet Count	-
rmon1dayRxEthStatsPkts128to255OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsPkts128to255Octets	Frame Transmit 128to255Octets Packet Count	-
rmon1dayTxEthStatsPkts128to255OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsPkts256to511Octets	Frame Receive 256to511Octets Packet Count	-
rmon1dayRxEthStatsPkts256to511OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsPkts256to511Octets	Frame Transmit 256to511Octets Packet Count	-
rmon1dayTxEthStatsPkts256to511OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsPkts512to1023Octets	Frame Receive 512to1023Octets Packet Count	-

rmon1dayRxEthStatsPkts512to1023OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsPkts512to1023Octets	Frame Transmit 512to1023Octets Packet Count	-
rmon1dayTxEthStatsPkts512to1023OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsPkts1024to1518Octets	Frame Receive 1024to1518Octets Packet Count	-
rmon1dayRxEthStatsPkts1024to1518OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsPkts1024to1518Octets	Frame Transmit 1024to1518Octets Packet Count	-
rmon1dayTxEthStatsPkts1024to1518OctetsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsCRCAAlignErrors	Frame Receive Alignment Error Packet Count	-
rmon1dayRxEthStatsCRCAAlignErrorsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsOversizePkts	Frame Receive Oversize Error Packet Count	-
rmon1dayRxEthStatsOversizePktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsJabbers	Frame Receive Oversize FCS Error Packet Count	-
rmon1dayRxEthStatsJabbersStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsMulticastPkts	Frame Receive Multicast Packets Count	-

rmon1dayRxEthStatsMulticastPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsMulticastPkts	Frame Transmit Multicast Packets Count	-
rmon1dayTxEthStatsMulticastPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayRxEthStatsBroadcastPkts	Frame Receive Broadcast Packets Count	-
rmon1dayRxEthStatsBroadcastPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsBroadcastPkts	Frame Transmit Broadcast Packets Count	-
rmon1dayTxEthStatsBroadcastPktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsCollisions	Frame Transmit Collision Packets Count	-
rmon1dayTxEthStatsCollisionsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
rmon1dayTxEthStatsOversizePkts	Frame Transmit Oversize Error Packet Count	-
rmon1dayTxEthStatsOversizePktsStatusInfo	RMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-

Appendix 1: IfIndex - Rules and Definitions

1. ifIndex: Rules

ifIndex is defined by following Bitmap format.

Bit 31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	2	4	3	2	1	0
0	Reserve	Slot Number					Port Number					Path Number																			

Bit location	Field name	Interpretation
31	0	Fixed at 0
30-28 (3bit)	Reserved	Fixed at 0 (Used for cascade connection)
27-23 (5bit)	Slot Number	For LAG/Radio redundancy For Slots 1: Main Board 2: Modem No.1 3: Modem No.2 4: Option1 (STM-1/16E1/MSE) 5: Option2 (AUX) 6: PS 7: Option3 (PS) 8: FAN *For MODEM SW GRP configuration, this will be the lower numbered Slot.
22-16 (7bit)	Port Number	[When Slot Number is other than 0] 1-6 : Main Board (GbE) Ports 1 : Others [When Slot Number = 0] 1-64 : LAG ports 65-80 : Logical radio ports
15-0 (16bit)	Path Number	For Cross Connect end point (bit15 = 0) 1-16 : E1Channel 1-152 : Modem Path 1-63 : STM1 VC-12 1 : STM1 RST For OH series (Radio SC/SDH SOH) (bit15 = 1) 32769-32772 : Radio SC 1-4 (0x8001-0x8004) 32773-32775 : STM1 F1/ E1/ DCCr (0x8005-0x8007) 32776 : V11-Radio SC192k connection (0x8008) * Radio SC1-3 (64k*3=192k) signify dynamic allocation. 32785-32788 :Radio CLA CH1-4 (0x8011-0x8014) 0: Actual port

2. ifIndex: Examples

Below are some examples of IfIndex.

Example 1)

For MODEM No.1:

Slot Number: 2

Port Number: 1

Path Number: 0

Hexadecimal number: 0x1010000

Decimal number: 16842752

Ex. 2)

For Port4 of Main Board (GbE):

Slot Number: 1

Port Number: 4

Path Number: 0

Hexadecimal number: 0x840000

Decimal number: 540672

Ex. 3)

For Port1 of Option (STM-1) Through Mode:

Slot Number: 4

Port Number: 1

Path Number: 0

Hexadecimal number: 0x2010000

Decimal number: 33619968

Ex. 4)

For CH16 of Option (STM-1) Channelized Mode.

Slot Number: 4

Port Number: 1

Path Number: 16

Hexadecimal number: 0x2010010

Decimal number: 33619984

Ex. 5)

For CH08 of Main Board (16E1):

Slot Number: 1

Port Number: 1

Path Number: 8

Hexadecimal number: 0x810008

Decimal number: 8454152

Ex. 6)

For CH08 of Option (16E1):

Slot Number: 4

Port Number: 1

Path Number: 8

Hexadecimal number: 0x2010008

Decimal number: 33619976

Appendix 2: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-SYSTEM-MIB.my)

--

-- MIB-PNMSJ-IPASOLINK-100-200-SYSTEM-MIB.my

-- Friday, May 11, 2012

--

MIB-PNMSJ-IPASOLINK-100-200-SYSTEM-MIB DEFINITIONS ::= BEGIN

IMPORTS

InterfaceIndex

FROM IF-MIB

OBJECT-TYPE

FROM RFC-1212

enterprises, IpAddress

FROM RFC1155-SMI

DisplayString

FROM RFC1213-MIB;

--

-- Type definitions

--

MacAddress ::= OCTET STRING (SIZE (6))

AlarmTypeValue ::= INTEGER

{

invalid(0),

communicationsAlarm(1),

qualityOfServiceAlarm(2),

processingErrorAlarm(3),

equipmentAlarm(4),

environmentalAlarm(5),

integrityViolationAlarm(6),

operationalViolationAlarm(7),

physicalViolationAlarm(8),

securityViolationAlarm(9),

timeDomainViolationAlarm(10)

```
}

```

```
ProbableCauseValue ::= INTEGER
{
    invalid(0),
    alS(1),
    callSetUpFailure(2),
    degradedSignal(3),
    farEndReceiverFailure(4),
    framingError(5),
    lossOfFrame(6),
    lossOfPointer(7),
    lossOfSignal(8),
    payloadTypeMismatch(9),
    transmissionError(10),
    remoteAlarmInterface(11),
    excessiveBER(12),
    pathTraceMismatch(13),
    unavailable(14),
    signalLabelMismatch(15),
    lossOfMultiFrame(16),
    receiveFailure(17),
    transmitFailure(18),
    modulationFailure(19),
    demodulationFailure(20),
    broadcastChannelFailure(21),
    connectionEstablishmentError(22),
    invalidMessageReceived(23),
    localNodeTransmissionError(24),
    remoteNodeTransmissionError(25),
    routingFailure(26),
    backplaneFailure(51),
    dataSetProblem(52),
    equipmentIdentifierDuplication(53),
    externalIFDeviceProblem(54),
    lineCardProblem(55),
    multiplexerProblem(56),
    nEIdentifierDuplication(57),
    powerProblem(58),
    processorProblem(59),

```

protectionPathFailure(60),
receiverFailure(61),
replaceableUnitMissing(62),
replaceableUnitTypeMismatch(63),
synchronizationSourceMismatch(64),
terminalProblem(65),
timingProblem(66),
transmitterFailure(67),
trunkCardProblem(68),
replaceableUnitProblem(69),
realTimeClockFailure(70),
antennaFailure(71),
batteryChargingFailure(72),
diskFailure(73),
frequencyHoppingFailure(74),
iODeviceError(75),
lossOfSynchronisation(76),
lossOfRedundancy(77),
powerSupplyFailure(78),
signalQualityEvaluationFailure(79),
tranceiverFailure(80),
protectionMechanismFailure(81),
protectingResourceFailure(82),
airCompressorFailure(101),
airConditioningFailure(102),
airDryerFailure(103),
batteryDischarging(104),
batteryFailure(105),
commercialPowerFailure(106),
coolingFanFailure(107),
engineFailure(108),
fireDetectorFailure(109),
fuseFailure(110),
generatorFailure(111),
lowBatteryThreshold(112),
pumpFailure(113),
rectifierFailure(114),
rectifierHighVoltage(115),
rectifierLowFVoltage(116),
ventilationsSystemFailure(117),

enclosureDoorOpen(118),
explosiveGas(119),
fire(120),
flood(121),
highHumidity(122),
highTemperature(123),
highWind(124),
iceBuildUp(125),
intrusionDetection(126),
lowFuel(127),
lowHumidity(128),
lowCablePressure(129),
lowTemperature(130),
lowWater(131),
smoke(132),
toxicGas(133),
coolingSystemFailure(134),
externalEquipmentFailure(135),
externalPointFailure(136),
storageCapacityProblem(151),
memoryMismatch(152),
corruptData(153),
outOfCPUCycles(154),
sfwrEnvironmentProblem(155),
sfwrDownloadFailure(156),
lossOfRealTime(157),
applicationSubsystemFailure(158),
configurationOrCustomisationError(159),
databaseInconsistency(160),
fileError(161),
outOfMemory(162),
softwareError(163),
timeoutExpired(164),
underlyingResourceUnavailable(165),
versionMismatch(166),
bandwidthReduced(201),
congestion(202),
excessiveErrorRate(203),
excessiveResponseTime(204),
excessiveRetransmissionRate(205),

reducedLoggingCapability(206),
systemResourcesOverload(207),
adapterError(500),
applicationSubsystemFailure(501),
bandwidthReducedX733(502),
callEstablishmentError(503),
communicationsProtocolError(504),
communicationsSubsystemFailure(505),
configurationOrCustomizationError(506),
congestionX733(507),
corruptData(508),
cpuCyclesLimitExceeded(509),
dataSetOrModemError(510),
degradedSignalX733(511),
dteDceInterfaceError(512),
enclosureDoorOpenX733(513),
equipmentMalfunction(514),
excessiveVibration(515),
fileErrorX733(516),
fireDetected(517),
framingErrorX733(518),
heatingVentCoolingSystemProblem(519),
humidityUnacceptable(520),
inputOutputDeviceError(521),
inputDeviceError(522),
lanError(523),
leakDetected(524),
localNodeTransmissionErrorX733(525),
lossOfFrameX733(526),
lossOfSignalX733(527),
materialSupplyExhausted(528),
multiplexerProblemX733(529),
outOfMemoryX733(530),
outputDeviceError(531),
performanceDegraded(532),
powerProblems(533),
pressureUnacceptable(534),
processorProblems(535),
pumpFailureX733(536),
queueSizeExceeded(537),


```

receiveFailureX733(538),
receiverFailureX733(539),
remoteNodeTransmissionErrorX733(540),
resourceAtOrNearingCapacity(541),
responseTimeExcessive(542),
retransmissionRateExcessive(543),
softwareErrorX733(544),
softwareProgramAbnormallyTerminated(545),
softwareProgramError(546),
storageCapacityProblemX733(547),
temperatureUnacceptable(548),
thresholdCrossed(549),
timingProblemX733(550),
toxicLeakDetected(551),
transmitFailureX733(552),
transmitterFailure(553),
underlyingResourceUnavailable(554),
versionMismatchX733(555),
authenticationFailure(600),
breachOfConfidentiality(601),
cableTamper(602),
delayedInformation(603),
denialOfService(604),
duplicateInformation(605),
informationMissing(606),
informationModificationDetected(607),
informationOutOfSequence(608),
keyExpired(609),
nonRepudiationFailure(610),
outOfHoursActivity(611),
outOfService(612),
proceduralError(613),
unauthorizedAccessAttempt(614),
unexpectedInformation(615),
other(1024)
}

```

RowStatus ::= INTEGER

```

{
  active(1),

```

```
    notInService(2),  
    notReady(3),  
    createAndGo(4),  
    createAndWait(5),  
    destroy(6)  
}
```

```
--
```

```
-- Node definitions
```

```
--
```

```
-- 1.3.6.1.4.1.119
```

```
nec OBJECT IDENTIFIER ::= { enterprises 119 }
```

```
-- 1.3.6.1.4.1.119.2
```

```
nec-mib OBJECT IDENTIFIER ::= { nec 2 }
```

```
-- 1.3.6.1.4.1.119.2.3
```

```
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69
```

```
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203
```

```
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502
```

```
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5
```

```
system5 OBJECT IDENTIFIER ::= { ipasolink200 5 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1
ipeSystemGroup OBJECT IDENTIFIER ::= { system5 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1
ipeSysInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeSysInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Table of System Information."
    ::= { ipeSystemGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1
ipeSysInfoEntry OBJECT-TYPE
    SYNTAX IpeSysInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Entry of System Information."
    INDEX { ipeSysInfoNEAddress, ipeSysInfoIndex }
    ::= { ipeSysInfoTable 1 }

IpeSysInfoEntry ::=
    SEQUENCE {
        ipeSysInfoIndex
            INTEGER,
        ipeSysInfoNEAddress
            IpAddress,
        ipeSysNeName
            DisplayString,
        ipeSysAreaName
            DisplayString,
        ipeSysNote
            DisplayString,
        ipeSysPrimaryIpAddress
            IpAddress,
        ipeSysSubnetMask

```

```

        IpAddress,
        ipeSysDefaultGateway
        IpAddress,
        ipeSysMacAddress
        MacAddress,
        ipeSysMibVersion
        DisplayString,
        ipeSysEquipmentType
        INTEGER,
        ipeSysPmType
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.1
ipeSysInfoIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of Table."
    ::= { ipeSysInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.2
ipeSysInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeSysInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.3
ipeSysNeName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Equipment name (for display)."
```

```

::= { ipeSysInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.4
ipeSysAreaName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Area name (for display)."
```

```

::= { ipeSysInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.5
ipeSysNote OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Memorandum (for display)."
```

```

::= { ipeSysInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.6
ipeSysPrimaryIpAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Primary IP Address (for display and setting)."
```

```

::= { ipeSysInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.7
ipeSysSubnetMask OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Subnet mask (for display)."
```

```

::= { ipeSysInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.8
ipeSysDefaultGateway OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Default gateway (for display)."
```

```

::= { ipeSysInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.9
ipeSysMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MAC address (for display)."
```

```

::= { ipeSysInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.10
ipeSysMibVersion OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MIB version."
```

```

::= { ipeSysInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.11
ipeSysEquipmentType OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Equipment type."
```

```

::= { ipeSysInfoEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.1.1.12
ipeSysPmType OBJECT-TYPE
    SYNTAX INTEGER (1..20)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Number of Branch.
        1=normalNE mode.
        1!=branchNE mode (2<= ipeSysPmType <= 20)."
```

```

::= { ipeSysInfoEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3
ipeSysOperationGroup OBJECT IDENTIFIER ::= { ipeSystemGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2
ipeSysOpFileDownloadTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeSysOpFileDownloadEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Table of file download."
    ::= { ipeSysOperationGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2.1
ipeSysOpFileDownloadEntry OBJECT-TYPE
    SYNTAX IpeSysOpFileDownloadEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Entry of file download."
    INDEX { ipeSysOpFileDownloadNEAddress, ipeSysOpFileDownloadIndex }
    ::= { ipeSysOpFileDownloadTable 1 }
```

```

ipeSysOpFileDownloadEntry ::=
    SEQUENCE {
        ipeSysOpFileDownloadIndex
            INTEGER,
        ipeSysOpFileDownloadNEAddress
            IpAddress,
        ipeSysOpFileDownloadModule
            INTEGER,
        ipeSysOpFileDownloadCpuResetDetail
            INTEGER,
        ipeSysOpFileDownloadStatus
            INTEGER,
        ipeSysOpFileDownloadCtrl
            INTEGER,
        ipeSysOpFileDownloadProtocolType
            INTEGER
    }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2.1.1
```

```
ipeSysOpFileDownloadIndex OBJECT-TYPE
```

```
    SYNTAX INTEGER (1)
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Index of table."
```

```
 ::= { ipeSysOpFileDownloadEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2.1.2
```

```
ipeSysOpFileDownloadNEAddress OBJECT-TYPE
```

```
    SYNTAX IpAddress
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        " "
```

```
 ::= { ipeSysOpFileDownloadEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2.1.3
```

```
ipeSysOpFileDownloadModule OBJECT-TYPE
```


SYNTAX INTEGER

```
{
  invalid(0),
  idu(1),
  odu(2),
  mdprm(3),
  raFpga(4),
  ipeFpga(5),
  softkey(7),
  cfgNet(8),
  cfgEqu(9),
  cfgUser(10),
  https(11)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Program type.

*'0:Invalidity' is used as an initial state."

::= { ipeSysOpFileDownloadEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2.1.4

ipeSysOpFileDownloadCpuResetDetail OBJECT-TYPE

SYNTAX INTEGER

```
{
  invalid(0),
  revertReset(1),
  normReset(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"CPU reset control.

0:Invalidity

1:revert reset

2:normal reset(without revert)

*'0:Invalidity' is used as an initial state."

::= { ipeSysOpFileDownloadEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2.1.5

ipeSysOpFileDownloadStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    downloadCompleted(1),
    downloadFailed(2),
    downloadExecuting(3),
    downloadSuspending(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Download result.

0:Invalidity

1:Completed

2:Failed

3:Executing

4:Suspending

*'0:Invalidity' is used as an initial state.

*A change state is the following three kinds.

1)When it operates

normally:(Start)->(3:Executing)->(1:Completed)

2)When it cancels on the

way:(Start)->(3:Executing)->(4:Suspending)->(Completed)

3)When unusual detection is carried out on the way:(Start)->

(3:Executing)->(2:Failed)

*The download start from excluding (3:Executing) is permitted.

*The download start from (3:Executing) is not permitted.

*Pertinent details: ipeSysOpFileDownloadCtrl"

::= { ipeSysOpFileDownloadEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2.1.6

ipeSysOpFileDownloadCtrl OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    startDownload(1),
    suspendDownload(2),
    startUpload(3),
    endUpload(4),
    resetDownload(5)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Download control.

0:Invalidity

1:Download start

2:Download suspend

3:Upload start

4:Upload end

5:Download reset

*'0:Invalidity' is used as an initial state.

*'5:Download reset' terminates the FTP server(vsftpd) with the deletion processing in the type of the file for all download directory.

*The object file name allows only alphanumeric character '0-9', 'a-z', 'A-Z' of ASCII code, and sign '-_+'.

*Pertinent details: ipeSysOpFileDownloadProtocolType

*Pertinent details: ipeSysOpFileDownloadModule

*Pertinent details: ipeSysOpFileDownloadStatus

*Pertinent details: ipeFsUpdateFileStatus

*Pertinent details: ipeFsUsbProcStatus

[Race condition]

*When ipeSysOpFileDownloadStatus is (3:Executing) or

(4:Suspending), (1:Download start) is invalid.

*When ipeSysOpFileDownloadStatus is (4:Suspending), (2:Download suspend) is invalid.

*When ipeSysOpFileDownloadStatus is (0:Invalidity), (1:Download start) is valid, but do nothing.

*When ipeFsUpdateFileStatus is (3:Executing), it is invalid. Other one is valid.

*When ipeFsUsbProcStatus is (2:Normal:Process executing), it is invalid. Other one is valid.

[Indispensable condition]

*When it is (1:Download start) or (3:Upload start), (4:Upload end), ipeSysOpFileDownloadProtocolType setup is indispensable."

::= { ipeSysOpFileDownloadEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.2.1.7

ipeSysOpFileDownloadProtocolType OBJECT-TYPE

SYNTAX INTEGER

```
{
  invalid(0),
  ftp(1),
  sftp(2),
  http(3)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Kind of protocol,

*'0:Invalidity' is used as an initial state.

*Pertinent details: ipeSysOpFileDownloadCtrl"

::= { ipeSysOpFileDownloadEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.3

ipeSysOpProgramPmonRmonClearTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeSysOpProgramPmonRmonClearEntry

ACCESS not-accessible

```

STATUS mandatory
DESCRIPTION
    " "
::= { ipeSysOperationGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.3.1
ipeSysOpProgramPmonRmonClearEntry OBJECT-TYPE
    SYNTAX IpeSysOpProgramPmonRmonClearEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { ipeSysOpProgramPmonRmonClearNEAddress,
ipeSysOpProgramPmonRmonClearIndex }
    ::= { ipeSysOpProgramPmonRmonClearTable 1 }

IpeSysOpProgramPmonRmonClearEntry ::=
    SEQUENCE {
        ipeSysOpProgramPmonRmonClearIndex
            INTEGER,
        ipeSysOpProgramPmonRmonClearNEAddress
            IpAddress,
        ipeSysOpProgramPmonRmonClear
            INTEGER,
        ipeSysOpProgramPmonRmonClearResult
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.3.1.1
ipeSysOpProgramPmonRmonClearIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeSysOpProgramPmonRmonClearEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.3.1.2

ipeSysOpProgramPmonRmonClearNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeSysOpProgramPmonRmonClearEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.3.1.3

ipeSysOpProgramPmonRmonClear OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"PMON data clear control

0:FIXED VALUE 1:REQUEST"

::= { ipeSysOpProgramPmonRmonClearEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.1.3.3.1.4

ipeSysOpProgramPmonRmonClearResult OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
completed(1),
failed(2),
executing(3)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"PMON data clear control response

1:COMPLETED

2:FAILED

3:EXECUTING"

::= { ipeSysOpProgramPmonRmonClearEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2

ipeFileSystemGroup OBJECT IDENTIFIER ::= { system5 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1

ipeFsFileInfoTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeFsFileInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Table of file information."

::= { ipeFileSystemGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1

ipeFsFileInfoEntry OBJECT-TYPE

SYNTAX IpeFsFileInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Entry of file information."

INDEX { ipeFsFileInfoNEAddress, ipeFsFileInfoIndex }

::= { ipeFsFileInfoTable 1 }

IpeFsFileInfoEntry ::=

SEQUENCE {

ipeFsFileInfoIndex

INTEGER,

ipeFsFileInfoNEAddress

IpAddress,

ipeFsFileListType

INTEGER,

ipeFsFileListCurrent

DisplayString,

ipeFsFileListTemp

DisplayString,

ipeFsUpdateFileDetail

DisplayString,

ipeFsUpdateFileStatus

```

        INTEGER,
        ipeFsUpdateFileStatusDetail
        OCTET STRING,
        ipeFsUpdateFileProgressBase
        INTEGER,
        ipeFsUpdateFileProgress
        INTEGER,
        ipeFsUpdateFileUpdateList
        DisplayString,
        ipeFsUpdateFileConfigPartial
        OCTET STRING
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.1
ipeFsFileInfoIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of Table."
    ::= { ipeFsFileInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.2
ipeFsFileInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeFsFileInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.3
ipeFsFileListType OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        idu(1),
        odu(2),

```



```

mdprm(3),
raFpga(4),
ipeFpga(5),
softkey(7),
cfgNet(8),
cfgEqu(9),
cfgUser(10),
https(11),
pmon(12),
rmon(13),
log(14),
inventory(15),
mac(16),
all(17)
}

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Type for acquisition

0:Invalidity

1: IDU

2: ODU

3: MODEM Parameter

4: FPGA(Other slot)

5: FPGA(Ctrl)

7: Software Key License

8: Network Config

9: Equipment Config

10: User Config

11: Server Certificate for HTTPS/HTTPS certificate issue request

12: PMON data

13: RMON data

14: Command/event/alarm LOG

15: Device Inventory file

16: MAC learning entry

17: all(All types of above-mentioned '1-16' are objects.)

*'0:Invalidity' is used as an initial state.

*Pertinent details: ipeFsFileListCurrent

*Pertinent details: ipeFsFileListTemp"

::= { ipeFsFileInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.4

ipeFsFileListCurrent OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Current file list (Flash-ROM).

The list of the type set to ipeFsFileListType is acquired.

Form of file list:

It's 1 item by 'file name (It included in a path),file
size,CRC'.

Each item is divided at space.

*CRC is fixed '0'.

Ex) FilePath1/FileName1,size,CRC FilePath2/FileName2,size,CRC...

[Indispensable condition]

*ipeFsFileListType setup is indispensable."

::= { ipeFsFileInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.5

ipeFsFileListTemp OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Temporary file list (DRAM).

The list of the type set to ipeFsFileListType is acquired.

Form of file list:

It's 1 item by 'file name (It isn't included in a pass),file size,CRC'.

Each item is divided at space.

*CRC is fixed '0'.

Ex) Filename1,size,CRC Filename2,size,CRC...

[Indispensable condition]

*ipeFsFileListType setup is indispensable."

::= { ipeFsFileInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.6

ipeFsUpdateFileDetail OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"File update control.

Thing to specify object file after it downloads it by

'ipeSysOpFileDownloadCtrl','ipeFsUsbCommand' and to demand file update.

Ex) Filename1

*The object file name allows only alphanumeric character '0-9', 'a-z', 'A-Z' of ASCII code, and sign '-_+'.

*Pertinent details: ipeSysOpFileDownloadModule

*Pertinent details: ipeFsUpdateFileUpdateList

*Pertinent details: ipeSysOpFileDownloadStatus

*Pertinent details: ipeFsUpdateFileStatus

*Pertinent details: ipeFsUsbProcStatus

[Race condition]

*When ipeSysOpFileDownloadStatus is (3:Executing) or

(4:Suspending), it is invalid.

*When ipeFsUpdateFileStatus is (3:Executing), it is invalid.

*When ipeFsUsbProcStatus is (2:Normal :Process executing), it is invalid.

[Indispensable condition]

*When ipeSysOpFileDownloadModule is 'odu(2)', 'mdprm(3)', or 'raFpga(4)', ipeFsUpdateFileUpdateList setup is indispensable."

::= { ipeFsFileInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.7

ipeFsUpdateFileStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    success(1),
    failure(2),
    executing(3),
    checking(4),
    successWithoutRestrictedUser(5)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Update result.

0:Invalidity

1:Success

2:Failed

3:Executing

4:Checking

5:Success but some restricted UserName(s) are ignored

*'0:Invalidity' is used as an initial state.

*The slot result of the correspondence is set to

'IpeFsUpdateFileStatusDetail',

and processing is continued when failing in the two or more slot update.

*Pertinent details: ipeFsUpdateFileDetail

*Pertinent details: ipeFsUpdateFileStatusDetail"

::= { ipeFsFileInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.8

ipeFsUpdateFileStatusDetail OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (42))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Update result is detailed.

OCT: Update result of each slot

1: Completed

2: Failed

The slot for which the current state is used becomes the following.

OCT[0] : MainBoard(iPASO200) or SLOT0

OCT[1] : MODEM1(iPASO200) or SLOT1

OCT[2] : MODEM2(iPASO200) or SLOT2

OCT[3] : Option Card(iPASO200) or SLOT3

:

OCT[33]: ODU1

OCT[34]: ODU2

OCT[35]: ODU3

:

*Pertinent details: ipeSysOpFileDownloadCtrl

*Pertinent details: ipeFsUpdateFileDetail

*Pertinent details: ipeFsUsbCommand"

::= { ipeFsFileInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.9

ipeFsUpdateFileProgressBase OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Progress of update (denominator).

*Pertinent details: ipeSysOpFileDownloadModule

*Pertinent details: ipeFsUpdateFileStatus"

::= { ipeFsFileInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.10

ipeFsUpdateFileProgress OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Progress of update (molecule).

*Pertinent details: ipeSysOpFileDownloadModule

*Pertinent details: ipeFsUpdateFileStatus"

::= { ipeFsFileInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.11

ipeFsUpdateFileUpdateList OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Definition of update slot number.

Form of file list:

When downloading it to ODU/FPGA/MDPRM, the forwarding site slot number is enumerated by a comma end.

Ex) 0,5,1,6,10...

The slot number of relating MODEM and fpga must set the slot number of

Option Card to odu and mdprm according to inventory information.

The slot number to which the current state can be set becomes the following.

iPASO200	iPASO400,1000
0 : MainBoard	or SLOT0
1 : MODEM1	or SLOT1
2 : MODEM2	or SLOT2
3 : Option Card	or SLOT3
:	
33: ODU1	
34: ODU2	
35: ODU3	
:	

*Pertinent details: ipeFsUpdateFileDetail"

::= { ipeFsFileInfoEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.1.1.12

ipeFsUpdateFileConfigPartial OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (4))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Specify Equipment Configuration Partial Download pattern.

If this object is set with ipeFsUpdateFileDetail, the system will perform the partial download, otherwise the system will perform the normal download. And Partial Download is performed only when Equipment Configuration Dowload.

SYNTAX is 32bit string. The definition of each bit is shown below.

- bit1-4: specify download mode.

0001 : normal mode

other value : reserved (system rejects the request)

- bit5-32: specify the equipment config part. Setting 1 to each bit means corresponding config download is activated.

Bit5 : Equipment Configuration (must set when the normal mode)

Bit6 : Radio Configuration

Bit7 : Radio Configuration w/o Radio Frequency

Bit6 and Bit7 cannot be set to 1 simultaneously.

Bit8 : E1/STM1 Mapping (must set when Bit6 or Bit7 is activated)

Bit9 : MODEM Function setting

Bit10: ETH Function setting

Bit11: E1/STM1/Cross Connect Setting

Bit12: PWE Setting

Bit13: Equipment Clock/Synchronization Setting

Bit14: Relay-Alarm Mapping

Bit15: V11/OW Setting

Bit16: Alarm/AIS Setting

Bit17: PMON/RMON Setting

Bit18: AUX Setting

other: reserved (don't care)

Example)

the pattern of downloading the equipment configuration, radio configuration, E1/STM1 mapping, ETH Function Setting on normal mode.

```
ipeFsUpdateFileConfigPartial =
```

```
'000111010100000000000000000000'
```

```
 ::= { ipeFsFileInfoEntry 12 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.2
```

ipeFsUsbInfoTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeFsUsbInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Table of USB memory information."

$$::= \{ \text{ipeFileSystemGroup } 2 \}$$

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.2.1
```

ipeFsUsbInfoEntry OBJECT-TYPE

SYNTAX IpeFsUsbInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Entry of USB mamory information."

```
INDEX { ipeFsUsbInfoNEAddress, ipeFsUsbInfoIndex }
::= { ipeFsUsbInfoTable 1 }
```

```
IpeFsUsbInfoEntry ::=
    SEQUENCE {
        ipeFsUsbInfoIndex
            INTEGER,
        ipeFsUsbInfoNEAddress
            IpAddress,
        ipeFsUsbCommand
            DisplayString,
        ipeFsUsbProcStatus
            INTEGER,
        ipeFsUsbList
            DisplayString,
        ipeFsUsbConnectStatus
            INTEGER
    }
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.2.1.1

```
ipeFsUsbInfoIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of Table."
    ::= { ipeFsUsbInfoEntry 1 }
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.2.1.2

```
ipeFsUsbInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeFsUsbInfoEntry 2 }
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.2.1.3

ipeFsUsbCommand OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"USB control mode/USB file path/Program type specification.

[Mode],[Arg1],[Type]

Mode:USB control mode

0:DL, 1:UL

Arg1:object file path -1 (original file path (path from a chroot subordinate) When DL: Inside of USB, When UL: Inside of IPE)

Case of DL: Ex.) idu/iPASOLINK200-idufw-v1.00.XX.bin

Case of UL: Ex.) export/config/iPASOLINK-network.cfg

Type:Program type

The program type set to 'ipeSysOpFileDownloadModule' is specified.

*The unsetting is allowed for an arbitrary, set item.

0: Invalid

1: IDU F/W

2: ODU F/W

3: MODEM Parameter

4: FPGA(Option Card)

5: FPGA(MainBoard)

6: MSE Card F/W

7: Software License Key

8: Network Config

9: Equipment Config

10: User Config

11: HTTPS Server Certificate

*The object file name allows only alphanumeric character '0-9', 'a-z', 'A-Z' of ASCII code, and sign '-_+'.

*Pertinent details: ipeSysOpFileDownloadModule

*Pertinent details: ipeSysOpFileDownloadStatus

*Pertinent details: ipeFsUpdateFileStatus

*Pertinent details: ipeFsUsbProcStatus

[Race condition]

*When ipeSysOpFileDownloadStatus is (3:Executing) or
(4:Suspending), (0:DL) is invalid.

*When ipeFsUpdateFileStatus is (3:Executing), (0:DL) is invalid.

*When ipeFsUsbProcStatus is (2:Normal :Process executing),
(0:DL) is invalid."

::= { ipeFsUsbInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.2.1.4

ipeFsUsbProcStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    completed(1),
    executing(2),
    diskFullError(98),
    noSuchFileError(99),
    unknownFileError(101),
    notInsertError(102),
    accessError(103),
    otherError(127)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Status of USB memory control result.

The classification of a setting value and the meaning are as follows.

0:Invalidity

1:NORMAL:Normal end

2:NORMAL:Executing

98:ERROR:The lack of free space on disk or media

99:ERROR:File/directory not found

101:ERROR:The kind of designated files,the size, contents, etc.
are unjust

102:ERROR:Media aren't inserted

103:ERROR:Media access error (ex:unjust format)

127:ERROR:Undefined error (other errors)

When having a control instruction, it's made '2:Executing'.

*'0:Invalidity' is used as an initial state.

*Pertinent details: ipeFsUsbCommand"

::= { ipeFsUsbInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.2.1.5

ipeFsUsbList OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"File list format.

Form of file list:

It's 1 item by 'file name (path from a chroot subordinate),file size,CRC'.

Each item is divided at space.

*CRC is fixed '0'.

Ex) FilePath1/FileName1,size,CRC FilePath2/FileName2,size,CRC..."

::= { ipeFsUsbInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.2.2.1.6

ipeFsUsbConnectStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
  usbConnect(1),
  usbNoConnect(2)
}
```

ACCESS read-only

STATUS mandatory

```

DESCRIPTION
    "Status of connection USB memory.

    1:Connect
    2:Not connect"
    ::= { ipeFsUsbInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3
ipeConfigurationGroup OBJECT IDENTIFIER ::= { system5 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3
ipeCfgAux OBJECT IDENTIFIER ::= { ipeConfigurationGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1
ipeCfgAuxInTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgAuxInEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Aux Input Table"
        ::= { ipeCfgAux 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1
ipeCfgAuxInEntry OBJECT-TYPE
    SYNTAX IpeCfgAuxInEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { ipeCfgAuxInNEAddress, ipeCfgAuxInIndex }
    ::= { ipeCfgAuxInTable 1 }

IpeCfgAuxInEntry ::=
    SEQUENCE {
        ipeCfgAuxInIndex

```

```

        INTEGER,
        ipeCfgAuxInNEAddress
        IpAddress,
        ipeCfgAuxInItemName
        DisplayString,
        ipeCfgAuxInItemType
        INTEGER,
        ipeCfgAuxInOpenState
        DisplayString,
        ipeCfgAuxInCloseState
        DisplayString,
        ipeCfgAuxInSeverity
        INTEGER,
        ipeCfgAuxInAlarmType
        AlarmTypeValue,
        ipeCfgAuxInProbableCause
        ProbableCauseValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.1
ipeCfgAuxInIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxInEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.2
ipeCfgAuxInNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxInEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.3

```

```

ipeCfgAuxInItemName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxInEntry 3 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.4
```

```

ipeCfgAuxInItemType OBJECT-TYPE
    SYNTAX INTEGER
        {
            alarmInOpen(1),
            alarmInClose(2),
            status(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxInEntry 4 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.5
```

```

ipeCfgAuxInOpenState OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxInEntry 5 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.6
```

```

ipeCfgAuxInCloseState OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

" "

::= { ipeCfgAuxInEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.7
ipeCfgAuxInSeverity OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            critical(1),
            major(2),
            minor(3),
            warning(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxInEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.8
ipeCfgAuxInAlarmType OBJECT-TYPE
    SYNTAX AlarmTypeValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxInEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.1.1.9
ipeCfgAuxInProbableCause OBJECT-TYPE
    SYNTAX ProbableCauseValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxInEntry 9 }

```


-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.2

ipeCfgAuxOutTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgAuxOutEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"AUX Output Table"

::= { ipeCfgAux 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.2.1

ipeCfgAuxOutEntry OBJECT-TYPE

SYNTAX IpeCfgAuxOutEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { ipeCfgAuxOutNEAddress, ipeCfgAuxOutIndex }

::= { ipeCfgAuxOutTable 1 }

IpeCfgAuxOutEntry ::=

SEQUENCE {

ipeCfgAuxOutIndex

INTEGER,

ipeCfgAuxOutNEAddress

IpAddress,

ipeCfgAuxOutItemName

DisplayString,

ipeCfgAuxOutOpenState

DisplayString,

ipeCfgAuxOutCloseState

DisplayString

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.2.1.1

ipeCfgAuxOutIndex OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

```

STATUS mandatory
DESCRIPTION
    " "
::= { ipeCfgAuxOutEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.2.1.2
ipeCfgAuxOutNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxOutEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.2.1.3
ipeCfgAuxOutItemName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxOutEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.2.1.4
ipeCfgAuxOutOpenState OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAuxOutEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.3.2.1.5
ipeCfgAuxOutCloseState OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    " "
    ::= { ipeCfgAuxOutEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4
ipeCfgNtp OBJECT IDENTIFIER ::= { ipeConfigurationGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1
ipeCfgNtpServiceTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgNtpServiceEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Table of NTP configuration information."
    ::= { ipeCfgNtp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1
ipeCfgNtpServiceEntry OBJECT-TYPE
    SYNTAX IpeCfgNtpServiceEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Entry of NTP configuration information."
    INDEX { ipeCfgNtpServiceNEAddress, ipeCfgNtpServiceIndex }
    ::= { ipeCfgNtpServiceTable 1 }

IpeCfgNtpServiceEntry ::=
    SEQUENCE {
        ipeCfgNtpServiceIndex
            INTEGER,
        ipeCfgNtpServiceNEAddress
            IpAddress,
        ipeCfgNtpServiceEnable
            INTEGER,
        ipeCfgNtpServerMode

```

```

        INTEGER,
        ipeCfgNtpClientMode
        INTEGER,
        ipeCfgNtpServerStratum
        INTEGER,
        ipeCfgNtpServerMulticastPort
        INTEGER,
        ipeCfgNtpServerMulticastIntervalTime
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1.1
ipeCfgNtpServiceIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgNtpServiceEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1.2
ipeCfgNtpServiceNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgNtpServiceEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1.3
ipeCfgNtpServiceEnable OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        disabled(1),
        enabled(2)
    }
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "NTP control enable."
::= { ipeCfgNtpServiceEntry 3 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1.4
```

```
ipeCfgNtpServerMode OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```

{
    invalid(0),
    unicast(1),
    multicast(2),
    disabled(3)
}

```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
    "NTP server mode."
```

```
::= { ipeCfgNtpServiceEntry 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1.5
```

```
ipeCfgNtpClientMode OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```

{
    invalid(0),
    unicast(1),
    multicast(2),
    disabled(3)
}

```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
    "NTP client mode."
```

```
::= { ipeCfgNtpServiceEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1.6
```

```
ipeCfgNtpServerStratum OBJECT-TYPE
```

```

SYNTAX INTEGER (2..15)
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "NTP Stratum."
::= { ipeCfgNtpServiceEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1.7
ipeCfgNtpServerMulticastPort OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "NTP server multicast port."
    ::= { ipeCfgNtpServiceEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.1.1.8
ipeCfgNtpServerMulticastIntervalTime OBJECT-TYPE
    SYNTAX INTEGER (4..17)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Value of NTP multicast polling time."
    ::= { ipeCfgNtpServiceEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.2
ipeCfgNtpServerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgNtpServerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Table of NTP server information."
    ::= { ipeCfgNtp 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.2.1
ipeCfgNtpServerEntry OBJECT-TYPE

```

SYNTAX IpeCfgNtpServerEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Entry of NTP server information."

INDEX { ipeCfgNtpServerNEAddress, ipeCfgNtpServerIndex }

::= { ipeCfgNtpServerTable 1 }

IpeCfgNtpServerEntry ::=

SEQUENCE {

ipeCfgNtpServerIndex

INTEGER,

ipeCfgNtpServerNEAddress

IpAddress,

ipeCfgNtpServerAddress

IpAddress,

ipeCfgNtpVersion

INTEGER,

ipeCfgNtpPollTime

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.2.1.1

ipeCfgNtpServerIndex OBJECT-TYPE

SYNTAX INTEGER (1..4)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of table."

::= { ipeCfgNtpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.2.1.2

ipeCfgNtpServerNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

```

::= { ipeCfgNtpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.2.1.3
ipeCfgNtpServerAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address of NTP server."
    ::= { ipeCfgNtpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.2.1.4
ipeCfgNtpVersion OBJECT-TYPE
    SYNTAX INTEGER (3..4)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Version of supported NTP message."
    ::= { ipeCfgNtpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.4.2.1.5
ipeCfgNtpPollTime OBJECT-TYPE
    SYNTAX INTEGER (4..17)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Value of NTP polling time (second)."
    ::= { ipeCfgNtpServerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7
ipeCfgFtp OBJECT IDENTIFIER ::= { ipeConfigurationGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1
ipeCfgFtpServerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgFtpServerEntry

```



```

ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    "Table of FTP server configuration information."
::= { ipeCfgFtp 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1.1
ipeCfgFtpServerEntry OBJECT-TYPE
    SYNTAX IpeCfgFtpServerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Entry of FTP server configuration information."
    INDEX { ipeCfgFtpServerNEAddress, ipeCfgFtpServerIndex }
    ::= { ipeCfgFtpServerTable 1 }

```

```

IpeCfgFtpServerEntry ::=
    SEQUENCE {
        ipeCfgFtpServerIndex
            INTEGER,
        ipeCfgFtpServerNEAddress
            IpAddress,
        ipeCfgFtpServerEnable
            INTEGER,
        ipeCfgFtpServerCommandTcpPort
            INTEGER,
        ipeCfgFtpServerDataTcpPort
            INTEGER,
        ipeCfgFtpServerMaxSession
            INTEGER,
        ipeCfgFtpServerAutoDisable
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1.1.1
ipeCfgFtpServerIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "Index of table."
::= { ipeCfgFtpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1.1.2
ipeCfgFtpServerNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgFtpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1.1.3
ipeCfgFtpServerEnable OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            serviceDisable(1),
            serviceEnable(2),
            alwaysEnable(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FTP control enable."
    ::= { ipeCfgFtpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1.1.4
ipeCfgFtpServerCommandTcpPort OBJECT-TYPE
    SYNTAX INTEGER (1..65535)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Port number of FTP command."
    ::= { ipeCfgFtpServerEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1.1.5

ipeCfgFtpServerDataTcpPort OBJECT-TYPE

SYNTAX INTEGER (1..65535)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Port number of FTP data transfer."

::= { ipeCfgFtpServerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1.1.6

ipeCfgFtpServerMaxSession OBJECT-TYPE

SYNTAX INTEGER (1..3)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Number of max connections."

::= { ipeCfgFtpServerEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.7.1.1.7

ipeCfgFtpServerAutoDisable OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
disabled(1),
enabled(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"FTP automatic stop control enable."

::= { ipeCfgFtpServerEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.8

ipeCfgSftp OBJECT IDENTIFIER ::= { ipeConfigurationGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.8.1

ipeCfgSftpServerTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgSftpServerEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Table of SFTP server configuration information."

::= { ipeCfgSftp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.8.1.1

ipeCfgSftpServerEntry OBJECT-TYPE

SYNTAX IpeCfgSftpServerEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Entry of SFTP server configuration information."

INDEX { ipeCfgSftpServerNEAddress, ipeCfgSftpServerIndex }

::= { ipeCfgSftpServerTable 1 }

IpeCfgSftpServerEntry ::=

SEQUENCE {

ipeCfgSftpServerIndex

INTEGER,

ipeCfgSftpServerNEAddress

IpAddress,

ipeCfgSftpServerEnable

INTEGER,

ipeCfgSftpServerAutoDisable

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.8.1.1.1

ipeCfgSftpServerIndex OBJECT-TYPE

SYNTAX INTEGER (1)

ACCESS read-only

STATUS mandatory

DESCRIPTION

```

        "Index of table."
    ::= { ipeCfgSftpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.8.1.1.2
ipeCfgSftpServerNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgSftpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.8.1.1.3
ipeCfgSftpServerEnable OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            serviceDisable(1),
            serviceEnable(2),
            alwaysEnable(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "SFTP control enable."
    ::= { ipeCfgSftpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.8.1.1.4
ipeCfgSftpServerAutoDisable OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            disabled(1),
            enabled(2)
        }
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    "SFTP automatic stop control enable."
    ::= { ipeCfgSftpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.9
ipeCfgHttp OBJECT IDENTIFIER ::= { ipeConfigurationGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.9.1
ipeCfgHttpServerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgHttpServerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Table of HTTP configuration information."
    ::= { ipeCfgHttp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.9.1.1
ipeCfgHttpServerEntry OBJECT-TYPE
    SYNTAX IpeCfgHttpServerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Entry of HTTP configuration information."
    INDEX { ipeCfgHttpServerNEAddress, ipeCfgHttpServerIndex }
    ::= { ipeCfgHttpServerTable 1 }

IpeCfgHttpServerEntry ::=
    SEQUENCE {
        ipeCfgHttpServerIndex
            INTEGER,
        ipeCfgHttpServerNEAddress
            IpAddress,
        ipeCfgHttpServerEnable
            INTEGER,
        ipeCfgHttpServerTcpPort
            INTEGER
    }

```

```

    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.9.1.1.1
ipeCfgHttpServerIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgHttpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.9.1.1.2
ipeCfgHttpServerNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgHttpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.9.1.1.3
ipeCfgHttpServerEnable OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            disabled(1),
            enabled(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "HTTP control enable."
    ::= { ipeCfgHttpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.9.1.1.4
ipeCfgHttpServerTcpPort OBJECT-TYPE
    SYNTAX INTEGER (1..65535)

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Port number of HTTP."
::= { ipeCfgHttpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.10
ipeCfgHttps OBJECT IDENTIFIER ::= { ipeConfigurationGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.10.1
ipeCfgHttpsServerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgHttpsServerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Table of HTTPS configuration information."
    ::= { ipeCfgHttps 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.10.1.1
ipeCfgHttpsServerEntry OBJECT-TYPE
    SYNTAX IpeCfgHttpsServerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Entry of HTTPS configuration information."
    INDEX { ipeCfgHttpsServerNEAddress, ipeCfgHttpsServerIndex }
    ::= { ipeCfgHttpsServerTable 1 }

IpeCfgHttpsServerEntry ::=
    SEQUENCE {
        ipeCfgHttpsServerIndex
            INTEGER,
        ipeCfgHttpsServerNEAddress
            IpAddress,
        ipeCfgHttpsServerEnable
            INTEGER,

```



```

        ipeCfgHttpsServerTcpPort
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.10.1.1.1
ipeCfgHttpsServerIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgHttpsServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.10.1.1.2
ipeCfgHttpsServerNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgHttpsServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.10.1.1.3
ipeCfgHttpsServerEnable OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            disabled(1),
            enabled(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "HTTPS control enable."
    ::= { ipeCfgHttpsServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.10.1.1.4

```

ipeCfgHttpsServerTcpPort OBJECT-TYPE

SYNTAX INTEGER (1..65535)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"TCP port number of HTTPS."

::= { ipeCfgHttpsServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11

ipeCfgSnmp OBJECT IDENTIFIER ::= { ipeConfigurationGroup 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.1

ipeCfgSnmpServerTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgSnmpServerEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"A table of SNMP configuration information."

::= { ipeCfgSnmp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.1.1

ipeCfgSnmpServerEntry OBJECT-TYPE

SYNTAX IpeCfgSnmpServerEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"A set of SNMP configuration information."

INDEX { ipeCfgSnmpServerNEAddress, ipeCfgSnmpServerIndex }

::= { ipeCfgSnmpServerTable 1 }

IpeCfgSnmpServerEntry ::=

SEQUENCE {

ipeCfgSnmpServerIndex

INTEGER,

ipeCfgSnmpServerNEAddress

IpAddress,

```

        ipeCfgSnmpV1V2cEnable
            INTEGER,
        ipeCfgSnmpV3Enable
            INTEGER,
        ipeCfgSnmpServerPort
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.1.1.1
ipeCfgSnmpServerIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this ipeCfgSnmpServerEntry.
        It's a fiexed value(= 1)."
```

::= { ipeCfgSnmpServerEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.1.1.2
ipeCfgSnmpServerNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
```

::= { ipeCfgSnmpServerEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.1.1.3
ipeCfgSnmpV1V2cEnable OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            disabled(1),
            enabled(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
```

"Indicates the SNMP entity is permitted to receive & process
SNMPv1/v2c PDU or is not permitted to do.

Even if it is disabled, SNMPv1/v2c Traps is sent."

::= { ipeCfgSnmpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.1.1.4

ipeCfgSnmpV3Enable OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
disabled(1),
enabled(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicates the SNMP entity is permitted to receive & process
SNMPv3 PDU or is not permitted to do.

Even if it is disabled, SNMPv3 Traps is sent."

::= { ipeCfgSnmpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.1.1.5

ipeCfgSnmpServerPort OBJECT-TYPE

SYNTAX INTEGER (1..65535)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"A UDP port number to receive all SNMP Request-PDU.
The reboot of the system is necessary to reflect setting."

::= { ipeCfgSnmpServerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2

ipeCfgSnmpCommunityTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgSnmpCommunityEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"A table of SNMP community information."

::= { ipeCfgSnmp 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2.1

ipeCfgSnmpCommunityEntry OBJECT-TYPE

SYNTAX IpeCfgSnmpCommunityEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"A set of SNMP community information."

INDEX { ipeCfgSnmpCommunityNEAddress, ipeCfgSnmpCommunityIndex }

::= { ipeCfgSnmpCommunityTable 1 }

IpeCfgSnmpCommunityEntry ::=

SEQUENCE {

ipeCfgSnmpCommunityIndex

INTEGER,

ipeCfgSnmpCommunityNEAddress

IpAddress,

ipeCfgSnmpCommunityName

DisplayString,

ipeCfgSnmpCommunityAccessLevel

INTEGER,

ipeCfgSnmpCommunityAccessAddress

IpAddress,

ipeCfgSnmpCommunityAccessPrefixLength

INTEGER,

ipeCfgSnmpCommunityRowStatus

RowStatus

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2.1.1

ipeCfgSnmpCommunityIndex OBJECT-TYPE

SYNTAX INTEGER (1..10)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this ipeCfgSnmpCommunityEntry.

You have to choose a value from 1 to 10."

::= { ipeCfgSnmpCommunityEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2.1.2

ipeCfgSnmpCommunityNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeCfgSnmpCommunityEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2.1.3

ipeCfgSnmpCommunityName OBJECT-TYPE

SYNTAX DisplayString (SIZE (1..31))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This entity's community name.

Please use ASCII code.

The characters which can be used are '-', '_', '0'-'9', 'a'-'z'
and 'A'-'Z'."

::= { ipeCfgSnmpCommunityEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2.1.4

ipeCfgSnmpCommunityAccessLevel OBJECT-TYPE

SYNTAX INTEGER

```
{
  invalid(0),
  operatorLevel(1),
  configLevel(2),
  adminLevel(3)
}
```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "A access level of a connection using this entry's community
    name."
::= { ipeCfgSnmpCommunityEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2.1.5
ipeCfgSnmpCommunityAccessAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "An address which is permitted to use this entry's community
        name.

        When masking in ipeCfgSnmpCommunityAccessPrefixLength, the host
        address part has to be a zero, if any.

        Also the following address can't be used.
        127.0.0.0/8 Loopback
        224.0.0.0/4 Multicasts (former Class D)
        240.0.0.0/4 Reserved (former Class E)"
    ::= { ipeCfgSnmpCommunityEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2.1.6
ipeCfgSnmpCommunityAccessPrefixLength OBJECT-TYPE
    SYNTAX INTEGER (0..32)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A prefix length of ipeCfgSnmpCommunityAccessAddress."
    ::= { ipeCfgSnmpCommunityEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.2.1.7
ipeCfgSnmpCommunityRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    {

```

```

    active(1),
    createAndGo(4),
    destroy(6)
}

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This RowStatus has a status only active(1).
You can SET only createAndGo(4) or Destroy(6).

1) how to create

To create a new row, you must SET objects indicated below.

```

ipeCfgSnmpCommunityName
ipeCfgSnmpCommunityAccessLevel
ipeCfgSnmpCommunityAccessAddress
ipeCfgSnmpCommunityAccessPrefixLength
ipeCfgSnmpCommunityRowStatus <- createAndGo(4)

```

ipeCfgSnmpCommunityIndex is an index of this entry.

2) how to destroy

To destroy a exist row, you must SET a destroy(6) to
ipeCfgSnmpCommunityRowStatus.

3) how to modify

It is not possible.

Please destroy a exist row, and create a new row.

< Attention >

You have to restart equipment to apply this entry(creating,
deleting) to actual movement."

```
 ::= { ipeCfgSnmpCommunityEntry 7 }
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3

ipeCfgSnmpTrapTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgSnmpTrapEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"A table of notification information."

::= { ipeCfgSnmp 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1

ipeCfgSnmpTrapEntry OBJECT-TYPE

SYNTAX IpeCfgSnmpTrapEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"A set of notification information."

INDEX { ipeCfgSnmpTrapEntryNEAddress, ipeCfgSnmpTrapEntryIndex }

::= { ipeCfgSnmpTrapTable 1 }

IpeCfgSnmpTrapEntry ::=

SEQUENCE {

ipeCfgSnmpTrapEntryIndex

INTEGER,

ipeCfgSnmpTrapEntryNEAddress

IpAddress,

ipeCfgSnmpTrapVersion

INTEGER,

ipeCfgSnmpTrapNotifyType

INTEGER,

ipeCfgSnmpTrapTargetAddress

IpAddress,

ipeCfgSnmpTrapTargetPort

INTEGER,

ipeCfgSnmpTrapSecurityName

DisplayString,

ipeCfgSnmpTrapSecurityLevel

INTEGER,

ipeCfgSnmpTrapEngineId

OCTET STRING,

ipeCfgSnmpTrapAuthAlgorithm

INTEGER,

ipeCfgSnmpTrapAuthKey

DisplayString,

```

        ipeCfgSnmpTrapPrivAlgorithm
            INTEGER,
        ipeCfgSnmpTrapPrivKey
            DisplayString,
        ipeCfgSnmpTrapRowStatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.1
ipeCfgSnmpTrapEntryIndex OBJECT-TYPE
    SYNTAX INTEGER (1..6)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this ipeCfgSnmpTrapEntry.
        You have to choose a value from 1 to 6.

        The entry by which an index is 4,5 and 6 is volatile. Those entry
        is eliminated at the equipment reboot."
    ::= { ipeCfgSnmpTrapEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.2
ipeCfgSnmpTrapEntryNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgSnmpTrapEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.3
ipeCfgSnmpTrapVersion OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        v1(1),
        v2c(2),
        v3(3)
    }

```

```

    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A version of this entry's notification."
    ::= { ipeCfgSnmpTrapEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.4
ipeCfgSnmpTrapNotifyType OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            trap(1),
            inform(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A notification type of this entry's notification."
    ::= { ipeCfgSnmpTrapEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.5
ipeCfgSnmpTrapTargetAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Destination IP address of this entry's notification.

        The following address can't be used.
        127.0.0.0/8 Loopback
        0.0.0.0/0    Current network
        224.0.0.0/4 Multicasts (former Class D)
        240.0.0.0/4 Reserved (former Class E)"
    ::= { ipeCfgSnmpTrapEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.6

```

ipeCfgSnmpTrapTargetPort OBJECT-TYPE

SYNTAX INTEGER (1..65535)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Destination UDP port this entry's notification."

::= { ipeCfgSnmpTrapEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.7

ipeCfgSnmpTrapSecurityName OBJECT-TYPE

SYNTAX DisplayString (SIZE (1..31))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"A security name.

The meaning is different depending on ipeCfgSnmpTrapVersion.

v1/v2c : It's meaning a community name.

v3 : It's meaning a user name.

Please use ASCII code.

The characters which can be used are '-', '_', '0'-'9', 'a'-'z'
and 'A'-'Z'.

When there was the same combination to the other index,
ipeCfgSnmpTrapSecurityName and ipeCfgSnmpTrapEngineId become
error."

::= { ipeCfgSnmpTrapEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.8

ipeCfgSnmpTrapSecurityLevel OBJECT-TYPE

SYNTAX INTEGER

{

invalid(0),

noAuthNoPriv(1),

authNoPriv(2),

authPriv(3)

```

    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "A security level of this entry's notification.

    When ipeCfgSnmpTrapVersion is v1(1) or v2c(2), you have to SET
    noAuthNoPriv(1)."
::= { ipeCfgSnmpTrapEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.9
ipeCfgSnmpTrapEngineId OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (5..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A snmpEngineID which this entry's notification uses.(5-32 octet)
        ipeCfgSnmpTrapNotifyType is effective only at the time of
        inform(2).
        A snmpEngineID of a destination SNMP entity.

        When there was the same combination to the other index,
        ipeCfgSnmpTrapSecurityName and ipeCfgSnmpTrapEngineId become
        error."
::= { ipeCfgSnmpTrapEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.10
ipeCfgSnmpTrapAuthAlgorithm OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            md5(1),
            sha(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Authentication protocol.

```

ipeCfgSnmpTrapNotifyType is effective for the SET only at the time of inform(2). Even if it is done SET in the case of trap(1), I am ignored. In addition, a value of ipeCfgAccountUserSnmpV3AuthAlgorithm is acquired at time to get."

::= { ipeCfgSnmpTrapEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.11

ipeCfgSnmpTrapAuthKey OBJECT-TYPE

SYNTAX DisplayString (SIZE (8..128))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Authenticate password for SNMP inform PDU.

This object expects encrypted password by blowfish, not original password. Therefore, the size of this object is not same as original password size (8..31).

When the object 'ipeCfgSnmpTrapNotifyType' is trap(1), SET request is not processed (discarded), and GET request returns the same value as 'ipeCfgAccountUserSnmpV3AuthKey'."

::= { ipeCfgSnmpTrapEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.12

ipeCfgSnmpTrapPrivAlgorithm OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
des(1),
aes(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"privacy protocol.

ipeCfgSnmpTrapNotifyType is effective for the SET only at the time of inform(2). Even if it is done SET in the case of trap(1),

I am ignored. In addition, a value of
 ipeCfgAccountUserSnmPV3PrivAlgorithm is acquired at time to get."
 ::= { ipeCfgSnmPTrapEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.13

ipeCfgSnmPTrapPrivKey OBJECT-TYPE

SYNTAX DisplayString (SIZE (8..128))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Privacy password for SNMP inform PDU.

This object expects encrypted password by blowfish, not original password. Therefore, the size of this object is not same as original password size (8..31).

When the object 'ipeCfgSnmPTrapNotifyType' is trap(1), SET request is not processed (discarded), and GET request returns the same value as 'ipeCfgAccountUserSnmPV3PrivKey'."

::= { ipeCfgSnmPTrapEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.11.3.1.14

ipeCfgSnmPTrapRowStatus OBJECT-TYPE

SYNTAX RowStatus

```
{
  active(1),
  createAndGo(4),
  destroy(6)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This RowStatus has a status only active(1).

You can SET only createAndGo(4) or destroy(6).

1) how to create

1.1) SNMPv1/v2c

To create a new row, you must SET objects indicated below.

```

ipeCfgSnmpTrapEntryIndex, ipeCfgSnmpTrapVersion,
ipeCfgSnmpTrapNotifyType, ipeCfgSnmpTrapTargetAddress,
ipeCfgSnmpTrapTaergetPort,
ipeCfgSnmpTrapSecurityName,
ipeCfgSnmpTrapRowStatus      # Only createAndGo(4).

```

It isn't necessary to set ipeCfgSnmpTrapSecurityLevel. When set it, the value is checked, so all except for noAuthNoPriv (1) will be NG.

And, the other object is not necessary. Even if it is done SET, it is checked the value, but ignored.

```

1.2) SNMPv3 (ipeCfgSnmpTrapNotifyType = trap(1))
ipeCfgSnmpTrapVersion, ipeCfgSnmpTrapNotifyType,
ipeCfgSnmpTrapTargetAddress, ipeCfgSnmpTrapTaergetPort,
ipeCfgSnmpTrapSecurityName,
ipeCfgSnmpTrapRowStatus      # Only createAndGo(4).

```

Other object is not necessary. Even if it is done SET, it is checked the value, but ignored.

```

1.3) SNMPv3 (ipeCfgSnmpTrapNotifyType = inform(2))
To create a new row, you must SET objects indicated below.

```

```

ipeCfgSnmpTrapVersion, ipeCfgSnmpTrapNotifyType,
ipeCfgSnmpTrapTargetAddress, ipeCfgSnmpTrapTaergetPort,
ipeCfgSnmpTrapSecurityName,
ipeCfgSnmpTrapSecurityLevel, ipeCfgSnmpTrapEngineId,
ipeCfgSnmpTrapAuthAlgorithm, ipeCfgSnmpTrapAuthKey,
ipeCfgSnmpTrapPrivAlgorithm,
ipeCfgSnmpTrapPrivKey
ipeCfgSnmpTrapRowStatus      # Only createAndGo(4).

```

ipeCfgSnmpTrapEntryIndex is an index of this entry.

2) how to destroy

To destroy a exist row, you must SET a destory(6) to ipeCfgSnmpCommunityRowStatus.

3) how to modify

It is not possible.

Please destroy a exist row, and create a new row."

::= { ipeCfgSnmpTrapEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12

ipeCfgAccount OBJECT IDENTIFIER ::= { ipeConfigurationGroup 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1

ipeCfgAccountUserInfoTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgAccountUserInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Table of user Information."

::= { ipeCfgAccount 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1

ipeCfgAccountUserInfoEntry OBJECT-TYPE

SYNTAX IpeCfgAccountUserInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Entry of user information."

INDEX { ipeCfgAccountUserNEAddress, ipeCfgAccountUserIndex }

::= { ipeCfgAccountUserInfoTable 1 }

IpeCfgAccountUserInfoEntry ::=

SEQUENCE {

ipeCfgAccountUserIndex

INTEGER,

ipeCfgAccountUserNEAddress

IpAddress,

ipeCfgAccountUserName

DisplayString,

ipeCfgAccountUserKey

DisplayString,

```

        ipeCfgAccountUserGroup
            DisplayString,
        ipeCfgAccountUserSnmpV3SecurityLevel
            INTEGER,
        ipeCfgAccountUserSnmpV3AuthAlgorithm
            INTEGER,
        ipeCfgAccountUserSnmpV3AuthKey
            DisplayString,
        ipeCfgAccountUserSnmpV3PrivAlgorithm
            INTEGER,
        ipeCfgAccountUserSnmpV3PrivKey
            DisplayString,
        ipeCfgAccountUserRowStatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.1
ipeCfgAccountUserIndex OBJECT-TYPE
    SYNTAX INTEGER (1..102)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgAccountUserInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.2
ipeCfgAccountUserNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAccountUserInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.3
ipeCfgAccountUserName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (1..31))
    ACCESS read-only

```

STATUS mandatory

DESCRIPTION

"User Name.

An overlap of a user name isn't permitted.

Please use ASCII code.

The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'."

::= { ipeCfgAccountUserInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.4

ipeCfgAccountUserKey OBJECT-TYPE

SYNTAX DisplayString (SIZE (8..128))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"User password encrypted by blowfish.

Acceptable characters for this object is shown below.

'-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'."

::= { ipeCfgAccountUserInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.5

ipeCfgAccountUserGroup OBJECT-TYPE

SYNTAX DisplayString (SIZE (1..31))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This object defines the privilege for the user.

Acceptable characters for this object is shown below.

'-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'."

::= { ipeCfgAccountUserInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.6

ipeCfgAccountUserSnmpV3SecurityLevel OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    noAuthNoPriv(1),
    authNoPriv(2),
    authPriv(3)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"SNMPv3 security level.

Setting for SET/GET/TRAP at the time of the SNMPv3 use(INFORM is inapplicable)"

::= { ipeCfgAccountUserInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.7

ipeCfgAccountUserSnmPV3AuthAlgorithm OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    md5(1),
    sha(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Hash calculate algorithm of authenticate password.

Setting for SET/GET/TRAP at the time of the SNMPv3 use(INFORM is inapplicable)"

::= { ipeCfgAccountUserInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.8

ipeCfgAccountUserSnmPV3AuthKey OBJECT-TYPE

SYNTAX DisplayString (SIZE (8..128))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Authenticate password for SNMP SET/GET/TRAP PDU.

This object expects encrypted password by blowfish, not original password. Therefore, the size of this object is not same as original password (8..31).

When the object 'ipeCfgSnmptTrapNotifyType' is set to inform(2), the INFORM PDU Authenticate key is configured by 'ipeCfgSnmptTrapAuthKey'."

::= { ipeCfgAccountUserInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.9

ipeCfgAccountUserSnmptV3PrivAlgorithm OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    des(1),
    aes(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Cipher algorithm.

Setting for SET/GET/TRAP at the time of the SNMPv3 use(INFORM is inapplicable)"

::= { ipeCfgAccountUserInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.10

ipeCfgAccountUserSnmptV3PrivKey OBJECT-TYPE

SYNTAX DisplayString (SIZE (8..128))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Privacy password for SNMP SET/GET/TRAP PDU.

This object expects encrypted password by blowfish, not original password. Therefore, the size of this object is not same as original password (8..31).

When the 'ipeCfgSnmpTrapNotifyType' is set to inform(2), the
 INFORM PDU Authenticate key is configured by
 'ipeCfgSnmpTrapAuthKey'.
 ::= { ipeCfgAccountUserInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.1.1.11

ipeCfgAccountUserRowStatus OBJECT-TYPE

SYNTAX RowStatus

```
{
    active(1),
    createAndGo(4),
    destroy(6)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This RowStatus has a status only active(1).

1) creating a entry

When you make a new entry, you must SET objects indicated below.

ipeCfgAccountUserIndex

ipeCfgAccountUserName

ipeCfgAccountUserKey

ipeCfgAccountUserGroup

ipeCfgAccountUserSnmpV3SecurityLevel

ipeCfgAccountUserSnmpV3AuthAlgorithm

ipeCfgAccountUserSnmpV3AuthKey

ipeCfgAccountUserSnmpV3PrivAlgorithm

ipeCfgAccountUserSnmpV3PrivKey

ipeCfgAccountUserRowStatus <- createAndGo(4)

2) modifying a entry

ipeCfgAccountUserKey can only be changed.

Other items can not be updated. Please do destroy of entry and a
 create.

3) deleting a entry

When you SET a destroy(6) to ipeCfgAccountUserRowStatus, the entry is destroyed.

4) About SNMPv3

When there is not ipeCfgAccountGroupInfoEntry corresponding to ipeCfgAccountUserGroup, SNMPv3-TRAP which I used ipeCfgAccountUserName for is output, but cannot use SNMPv3-Set/Get-Request."

```
::= { ipeCfgAccountUserInfoEntry 11 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2
```

```
ipeCfgAccountGroupInfoTable OBJECT-TYPE
```

```
    SYNTAX SEQUENCE OF IpeCfgAccountGroupInfoEntry
```

```
    ACCESS not-accessible
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Table of Group Information."
```

```
::= { ipeCfgAccount 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1
```

```
ipeCfgAccountGroupInfoEntry OBJECT-TYPE
```

```
    SYNTAX IpeCfgAccountGroupInfoEntry
```

```
    ACCESS not-accessible
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Entry of Group Information."
```

```
    INDEX { ipeCfgAccountGroupNEAddress, ipeCfgAccountGroupIndex }
```

```
::= { ipeCfgAccountGroupInfoTable 1 }
```

```
IpeCfgAccountGroupInfoEntry ::=
```

```
    SEQUENCE {
```

```
        ipeCfgAccountGroupIndex
```

```
        INTEGER,
```

```
        ipeCfgAccountGroupNEAddress
```

```
        IpAddress,
```

```
        ipeCfgAccountGroupName
```

```
        DisplayString,
```

```

        ipeCfgAccountGroupFtp
            INTEGER,
        ipeCfgAccountGroupSftp
            INTEGER,
        ipeCfgAccountGroupHttp
            INTEGER,
        ipeCfgAccountGroupHttps
            INTEGER,
        ipeCfgAccountGroupSnmp
            INTEGER,
        ipeCfgAccountGroupAccessLevel
            INTEGER,
        ipeCfgAccountGroupRowStatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.1
ipeCfgAccountGroupIndex OBJECT-TYPE
    SYNTAX INTEGER (1..10)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgAccountGroupInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.2
ipeCfgAccountGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgAccountGroupInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.3
ipeCfgAccountGroupName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (1..31))
    ACCESS read-only

```


STATUS mandatory

DESCRIPTION

"Group name.

An overlap of a group name isn't permitted.

Please use ASCII code.

The characters which can be used are '-', '_', '0'-'9', 'a'-'z'
and 'A'-'Z'."

::= { ipeCfgAccountGroupInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.6

ipeCfgAccountGroupFtp OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
disabled(1),
enabled(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"FTP enable."

::= { ipeCfgAccountGroupInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.7

ipeCfgAccountGroupSftp OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
disabled(1),
enabled(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"SFTP enable."

::= { ipeCfgAccountGroupInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.8

ipeCfgAccountGroupHttp OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    disabled(1),
    enabled(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"HTTP enable."

::= { ipeCfgAccountGroupInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.9

ipeCfgAccountGroupHttps OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    disabled(1),
    enabled(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"HTTPS enable."

::= { ipeCfgAccountGroupInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.10

ipeCfgAccountGroupSnmp OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    disabled(1),
    enabled(2)
}
```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "SNMP enable."
::= { ipeCfgAccountGroupInfoEntry 10 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.11
ipeCfgAccountGroupAccessLevel OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            operatorLevel(1),
            configLevel(2),
            adminLevel(3)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Access level."
::= { ipeCfgAccountGroupInfoEntry 11 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.2.1.12
ipeCfgAccountGroupRowStatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            createAndGo(4),
            destroy(6)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "This RowStatus has a status only 'active(1)'.

    1) creating a entry.
    When you make a new entry, you must SET objects indicated below.

    ipeCfgAccountGroupName

```

```

ipeCfgAccountGroupTelnet
ipeCfgAccountGroupSsh
ipeCfgAccountGroupFtp
ipeCfgAccountGroupSftp
ipeCfgAccountGroupHttp
ipeCfgAccountGroupHttps
ipeCfgAccountGroupSnmp
ipeCfgAccountGroupAccessLevel
ipeCfgAccountGroupRowStatus &lt;- createAndGo(4)

```

ipeCfgAccountGroupIndex is an index of this entry.

2) deleting a entry.

When you SET a destroy(6) to ipeCfgAccountGroupRowStatus, the entry is destroyed.

Information that synchronizes and is deleted:

```

User Information setting(ssh/ftp/http login information)
SNMPv3-Set/Get-Req user info
(The SNMPv3-TRAP information is left)

```

3) modifying a entry

It can change it other than ipeCfgAccountGroupName,
ipeCfgAccountGroupRowStatus.

But the entry of default (ADMIN/OPERATOR/CONFIG) is impossible of
a change ipeCfgAccountGroupName."

```

::= { ipeCfgAccountGroupInfoEntry 12 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.4

```

```

ipeCfgUserAccountAuthTable OBJECT-TYPE

```

```

    SYNTAX SEQUENCE OF IpeCfgUserAccountAuthEntry

```

```

    ACCESS not-accessible

```

```

    STATUS mandatory

```

```

    DESCRIPTION

```

```

        "Configure user authentication method about Web LCT."

```

```

    ::= { ipeCfgAccount 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.4.1

```

ipeCfgUserAccountAuthEntry OBJECT-TYPE

SYNTAX IpeCfgUserAccountAuthEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"..."

INDEX { ipeCfgUserAccountAuthNEAddress, ipeCfgUserAccountAuthIndex }

::= { ipeCfgUserAccountAuthTable 1 }

IpeCfgUserAccountAuthEntry ::=

SEQUENCE {

ipeCfgUserAccountAuthIndex

INTEGER,

ipeCfgUserAccountAuthNEAddress

IpAddress,

ipeCfgUserAccountAuthMode

INTEGER,

ipeCfgUserAccountAuthOrder

INTEGER,

ipeCfgUserAccountAuthTrapLocal

INTEGER,

ipeCfgUserAccountAuthTrapExternal

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.4.1.1

ipeCfgUserAccountAuthIndex OBJECT-TYPE

SYNTAX INTEGER (1)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The index of this table."

::= { ipeCfgUserAccountAuthEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.4.1.2

ipeCfgUserAccountAuthNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Reserved object for northbound interface."

::= { ipeCfgUserAccountAuthEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.4.1.3

ipeCfgUserAccountAuthMode OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    mode1(1),
    mode2(2),
    mode3(3)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate the user authentication mode.

mode1 : local authentication only.

mode2 : local and LDAP authentication. (NOT SUPPORTED)

mode3 : local and RADIUS authentication.

mode2 will be supported in future version."

DEFVAL { mode1 }

::= { ipeCfgUserAccountAuthEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.4.1.4

ipeCfgUserAccountAuthOrder OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    localAuthFirst(1),
    externalAuthFirst(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate the user authentication order.

This object is effective only if ipeCfgUserAccountAuthMode is set to mode2 or mode3.

External authentication means authentication with RADIUS or LDAP.

localAuthFirst : local -> external

externalAuthFirst : external -> local"

DEFVAL { localAuthFirst }

::= { ipeCfgUserAccountAuthEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.4.1.6

ipeCfgUserAccountAuthTrapLocal OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    success(1),
    failure(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate authentication result of local authentication.

This object is dedicated for login control trap.

If you read this object, the system returns invalid(0)."

DEFVAL { invalid }

::= { ipeCfgUserAccountAuthEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.12.4.1.7

ipeCfgUserAccountAuthTrapExternal OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    success(1),
    failure(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate authentication result of external authentication.

This object is dedicated for login control trap.

If you read this object, the system returns invalid(0)."

DEFVAL { invalid }

::= { ipeCfgUserAccountAuthEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15

ipeCfgPortGroup OBJECT IDENTIFIER ::= { ipeConfigurationGroup 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.2

ipeCfgPortLctTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgPortLctEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"LCT port set up information table."

::= { ipeCfgPortGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.2.1

ipeCfgPortLctEntry OBJECT-TYPE

SYNTAX IpeCfgPortLctEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"entry of LCT port set up information table."

INDEX { ipeCfgPortLctNEAddress, ipeCfgPortLctIfIndex }

::= { ipeCfgPortLctTable 1 }

IpeCfgPortLctEntry ::=

SEQUENCE {

ipeCfgPortLctIfIndex

InterfaceIndex,

ipeCfgPortLctNEAddress

IpAddress,

ipeCfgPortLctEnable


```

        INTEGER,
        ipeCfgPortLctAutoNeg
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.2.1.1
ipeCfgPortLctIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgPortLctEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.2.1.2
ipeCfgPortLctNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { ipeCfgPortLctEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.2.1.5
ipeCfgPortLctEnable OBJECT-TYPE
    SYNTAX INTEGER
        {
            enabled(1),
            disabled(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Effective/invalid setting of LCT port.
        value range: enabled
                    disabled"
    ::= { ipeCfgPortLctEntry 5 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.2.1.7

ipeCfgPortLctAutoNeg OBJECT-TYPE

SYNTAX INTEGER

```
{
    enabled(1),
    disabled(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Effective/invalid setting of LCT AUTO NEGOTIATION.

value range: enabled

disabled"

::= { ipeCfgPortLctEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.3

ipeCfgPortEtherTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgPortEtherEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"NMS/NE1 port set up information table."

::= { ipeCfgPortGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.3.1

ipeCfgPortEtherEntry OBJECT-TYPE

SYNTAX IpeCfgPortEtherEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"entry of NMS/NE1 port set up information table."

INDEX { ipeCfgPortEtherNEAddress, ipeCfgPortEtherIfIndex }

::= { ipeCfgPortEtherTable 1 }

IpeCfgPortEtherEntry ::=

SEQUENCE {

```

        ipeCfgPortEtherIfIndex
            InterfaceIndex,
        ipeCfgPortEtherNEAddress
            IpAddress,
        ipeCfgPortEtherEnable
            INTEGER,
        ipeCfgPortEtherAutoNeg
            INTEGER,
        ipeCfgPortEtherSpecialFilter
            INTEGER,
        ipeCfgPortEtherLldpMode
            INTEGER
    }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.3.1.1
```

```
ipeCfgPortEtherIfIndex OBJECT-TYPE
```

```
    SYNTAX InterfaceIndex
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Index of table."
```

```
    ::= { ipeCfgPortEtherEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.3.1.2
```

```
ipeCfgPortEtherNEAddress OBJECT-TYPE
```

```
    SYNTAX IpAddress
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        " "
```

```
    ::= { ipeCfgPortEtherEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.3.1.3
```

```
ipeCfgPortEtherEnable OBJECT-TYPE
```

```
    SYNTAX INTEGER
```

```
    {
```

```
        enabled(1),
```

```
        disabled(2)
```

```

    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Effective/invalid setting of NMS/NE1 port.
    value range: enabled(1)
                disabled(2)"
::= { ipeCfgPortEtherEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.3.1.4
ipeCfgPortEtherAutoNeg OBJECT-TYPE
    SYNTAX INTEGER
        {
            enabled(1),
            disabled(2)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Auto negotiation invalid effective/setting of NMS/NE1 port.
    value range: enabled(1)
                disabled(2)"
::= { ipeCfgPortEtherEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.3.1.5
ipeCfgPortEtherSpecialFilter OBJECT-TYPE
    SYNTAX INTEGER
        {
            true(1),
            false(2)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Setting of whether a special broadcast packet is blocked."
::= { ipeCfgPortEtherEntry 5 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.3.1.6

ipeCfgPortEtherLldpMode OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    standardMode(1),
    proprietaryMode(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Switch to select MAC address of LLDP Frame.

standardMode : MAC address of LLDP Frame is 01-80-C2-00-00-0E.

proprietaryMode : MAC address of LLDP Frame is configured in

ipeCfgLldpProprietaryModeMacAddress."

DEFVAL { standardMode }

::= { ipeCfgPortEtherEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.4

ipeCfgPortNe2Table OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgPortNe2Entry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"NE2 port set up information table."

::= { ipeCfgPortGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.4.1

ipeCfgPortNe2Entry OBJECT-TYPE

SYNTAX IpeCfgPortNe2Entry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"entry of NE2 port set up information table."

INDEX { ipeCfgPortNe2NEAddress, ipeCfgPortNe2IfIndex }

::= { ipeCfgPortNe2Table 1 }

```

ipeCfgPortNe2Entry ::=
    SEQUENCE {
        ipeCfgPortNe2IfIndex
            InterfaceIndex,
        ipeCfgPortNe2NEAddress
            IpAddress,
        ipeCfgPortNe2IpAddress
            IpAddress,
        ipeCfgPortNe2Enable
            INTEGER,
        ipeCfgPortNe2Speed
            INTEGER
    }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.4.1.1
```

```
ipeCfgPortNe2IfIndex OBJECT-TYPE
```

```
    SYNTAX InterfaceIndex
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Index of table."
```

```
    ::= { ipeCfgPortNe2Entry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.4.1.2
```

```
ipeCfgPortNe2NEAddress OBJECT-TYPE
```

```
    SYNTAX IpAddress
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        " "
```

```
    ::= { ipeCfgPortNe2Entry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.4.1.3
```

```
ipeCfgPortNe2IpAddress OBJECT-TYPE
```

```
    SYNTAX IpAddress
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

"NE2 port IP Address.

value range:0x00000000 - 0xffffffff(0.0.0.0 - 223.255.255.255)

The ppp function is restarted when setting it."

::= { ipeCfgPortNe2Entry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.4.1.4

ipeCfgPortNe2Enable OBJECT-TYPE

SYNTAX INTEGER

{
enabled(1),
disabled(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"NE2 port enable.

value range:enabled(1)

disabled(2)"

::= { ipeCfgPortNe2Entry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.4.1.5

ipeCfgPortNe2Speed OBJECT-TYPE

SYNTAX INTEGER

{
speed9600(9600),
speed19200(19200)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"NE2 port baud rate.

value range:9600bps(9600)

19200bps(19200)

The ppp function is restarted when setting it."

::= { ipeCfgPortNe2Entry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.5

```

ipeCfgPortE1Table OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgPortE1Entry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "E1 port set up information table."
    ::= { ipeCfgPortGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.5.1
ipeCfgPortE1Entry OBJECT-TYPE
    SYNTAX IpeCfgPortE1Entry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "entry of E1 port set up information table."
    INDEX { ipeCfgPortE1NEAddress, ipeCfgPortE1IfIndex }
    ::= { ipeCfgPortE1Table 1 }

IpeCfgPortE1Entry ::=
    SEQUENCE {
        ipeCfgPortE1IfIndex
            InterfaceIndex,
        ipeCfgPortE1NEAddress
            IpAddress,
        ipeCfgPortE1Enable
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.5.1.1
ipeCfgPortE1IfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgPortE1Entry 1 }

```


-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.5.1.2

ipeCfgPortE1NEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeCfgPortE1Entry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.5.1.3

ipeCfgPortE1Enable OBJECT-TYPE

SYNTAX INTEGER

{
enabled(1),
disabled(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Effective/invalid setting of E1 port.

value range: enabled(1)

disabled(2)"

::= { ipeCfgPortE1Entry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.6

ipeCfgPortInbandTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgPortInbandEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"InBand Management VLAN port set up information table."

::= { ipeCfgPortGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.6.1

ipeCfgPortInbandEntry OBJECT-TYPE

SYNTAX IpeCfgPortInbandEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"entry of INBAND Management VLAN port set up information table."

INDEX { ipeCfgPortInbandNEAddress, ipeCfgPortInbandIfIndex }

::= { ipeCfgPortInbandTable 1 }

ipeCfgPortInbandEntry ::=

SEQUENCE {

ipeCfgPortInbandIfIndex

InterfaceIndex,

ipeCfgPortInbandNEAddress

IpAddress,

ipeCfgPortInbandEnable

INTEGER,

ipeCfgPortInbandVlanId

INTEGER,

ipeCfgPortInbandCos

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.6.1.1

ipeCfgPortInbandIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of table."

::= { ipeCfgPortInbandEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.6.1.2

ipeCfgPortInbandNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeCfgPortInbandEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.6.1.5

ipeCfgPortInbandEnable OBJECT-TYPE

SYNTAX INTEGER

```
{
    enabled(1),
    disabled(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Effective/invalid setting of INBAND Management VLAN port.

value range: enabled(1)

disabled(2)"

::= { ipeCfgPortInbandEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.6.1.6

ipeCfgPortInbandVlanId OBJECT-TYPE

SYNTAX INTEGER (1..4094)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"VLAN ID of INBAND Management VLAN port.

value range:1 to 4094"

::= { ipeCfgPortInbandEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.6.1.8

ipeCfgPortInbandCos OBJECT-TYPE

SYNTAX INTEGER (0..7)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"CoS value of INBAND Management VLAN port"

DEFVAL { 7 }

::= { ipeCfgPortInbandEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.7

ipeCfgPortMainEtherTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgPortMainEtherEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Main traffic ether port set up information table."

::= { ipeCfgPortGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.7.1

ipeCfgPortMainEtherEntry OBJECT-TYPE

SYNTAX IpeCfgPortMainEtherEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"entry of main traffic ether port set up information table."

INDEX { ipeCfgPortMainEtherNEAddress, ipeCfgPortMainEtherIfIndex }

::= { ipeCfgPortMainEtherTable 1 }

IpeCfgPortMainEtherEntry ::=

SEQUENCE {

ipeCfgPortMainEtherIfIndex

InterfaceIndex,

ipeCfgPortMainEtherNEAddress

IpAddress,

ipeCfgPortMainEtherLldpMode

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.7.1.1

ipeCfgPortMainEtherIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Index of table.

Ifindex of main traffic ether port."

::= { ipeCfgPortMainEtherEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.7.1.2

ipeCfgPortMainEtherNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"reserved."

::= { ipeCfgPortMainEtherEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.15.7.1.3

ipeCfgPortMainEtherLldpMode OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
standardMode(1),
proprietaryMode(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Switch to select MAC address of LLDP Frame.

standardMode : MAC address of LLDP Frame is 01-80-C2-00-00-0E.

proprietaryMode : MAC address of LLDP Frame is configured in

ipeCfgLldpProprietaryModeMacAddress."

DEFVAL { standardMode }

::= { ipeCfgPortMainEtherEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16

ipeCfgBridgeGroup OBJECT IDENTIFIER ::= { ipeConfigurationGroup 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.1

ipeCfgBridgeTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgBridgeEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Bridge set up information table."

::= { ipeCfgBridgeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.1.1

ipeCfgBridgeEntry OBJECT-TYPE

SYNTAX IpeCfgBridgeEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"entry of Bridge set up information table."

INDEX { ipeCfgBridgeNEAddress, ipeCfgBridgeIndex }

::= { ipeCfgBridgeTable 1 }

IpeCfgBridgeEntry ::=

SEQUENCE {

ipeCfgBridgeIndex

INTEGER,

ipeCfgBridgeNEAddress

IpAddress,

ipeCfgBridgeIpAddress

IpAddress,

ipeCfgBridgeNetMask

IpAddress,

ipeCfgBridgeMtu

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.1.1.1

ipeCfgBridgeIndex OBJECT-TYPE

SYNTAX INTEGER (1..18)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of table."

::= { ipeCfgBridgeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.1.1.2

ipeCfgBridgeNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeCfgBridgeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.1.1.3

ipeCfgBridgeIpAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IpAddress set to bridge.

Value range:0x00000000 - 0xffffffff(0.0.0.0 - 223.255.255.255)

It makes an error of the Internet Protocol address setting that overlaps in the port in the device.

It becomes the following about the port of the Internet Protocol address repetition check object.

Object port: Lct, InbandMngVLAN1-16, Bridge1-Bridge20, NE2

The relation is not in the state and the number of Branch of interfaces and the Internet Protocol address repetition check is checked.

There can not be relation and it sets, and it refer the number of branch.

When 0.0.0.0 is set to ipeCfgBridgeIpAddress, it becomes an Internet Protocol address deletion."

::= { ipeCfgBridgeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.1.1.4

ipeCfgBridgeNetMask OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Netmask set to bridge.

When it isn't proper as subnetmask, it'll be an error.

Value range:0x00000000 - 0xffffffff(0 - 30bit)

There can not be relation and it sets, and it refer the number of branch."

::= { ipeCfgBridgeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.1.1.5

ipeCfgBridgeMtu OBJECT-TYPE

SYNTAX INTEGER (256..1500)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"MTU value of bridge.

value range:256 to 1500

There can not be relation and it sets, and it refer the number of branch."

::= { ipeCfgBridgeEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.2

ipeCfgBridgePortTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgBridgePortEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Bridge set up information table."

::= { ipeCfgBridgeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.2.1

ipeCfgBridgePortEntry OBJECT-TYPE

SYNTAX IpeCfgBridgePortEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"entry of Bridge set up information table."

INDEX { ipeCfgBridgePortNEAddress, ipeCfgBridgePortIfIndex }
 ::= { ipeCfgBridgePortTable 1 }

ipeCfgBridgePortEntry ::=

```

SEQUENCE {
    ipeCfgBridgePortIfIndex
        InterfaceIndex,
    ipeCfgBridgePortNEAddress
        IpAddress,
    ipeCfgBridgePortBridgeIndex
        INTEGER
}
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.2.1.1

ipeCfgBridgePortIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The interface identified by a particular value of this index is
 the same interface as identified by the same value of ifIndex.

Valid Value(NMS,NE1,E1,RADIO00-RADIO10)"

::= { ipeCfgBridgePortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.2.1.2

ipeCfgBridgePortNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeCfgBridgePortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.16.2.1.3

ipeCfgBridgePortBridgeIndex OBJECT-TYPE

SYNTAX INTEGER (0..20)

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Index value of bridge."
::= { ipeCfgBridgePortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.18
ipeCfgNaptGroup OBJECT IDENTIFIER ::= { ipeConfigurationGroup 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.18.1
ipeCfgNaptTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgNaptEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "NAPT set up information table."
    ::= { ipeCfgNaptGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.18.1.1
ipeCfgNaptEntry OBJECT-TYPE
    SYNTAX IpeCfgNaptEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "entry of  NAPT set up information table."
    INDEX { ipeCfgNaptNEAddress, ipeCfgNaptIndex }
    ::= { ipeCfgNaptTable 1 }

IpeCfgNaptEntry ::=
    SEQUENCE {
        ipeCfgNaptIndex
            INTEGER,
        ipeCfgNaptNEAddress
            IpAddress,
        ipeCfgNaptEnable
            INTEGER
    }

```

```
}
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.18.1.1.1
```

```
ipeCfgNaptIndex OBJECT-TYPE
```

```
    SYNTAX INTEGER (1)
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Index of this ipeCfgNaptEntry.
```

```
        It's a fixed value(=1)."
```

```
 ::= { ipeCfgNaptEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.18.1.1.2
```

```
ipeCfgNaptNEAddress OBJECT-TYPE
```

```
    SYNTAX IpAddress
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        " "
```

```
 ::= { ipeCfgNaptEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.18.1.1.3
```

```
ipeCfgNaptEnable OBJECT-TYPE
```

```
    SYNTAX INTEGER
```

```
        {
```

```
            enabled(1),
```

```
            disabled(2)
```

```
        }
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Address translation invalid effective/setting by NAPT.
```

```
        value range: enabled
```

```
        disabled"
```

```
 ::= { ipeCfgNaptEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19
```

ipeCfgStaticRouteGroup OBJECT IDENTIFIER ::= { ipeConfigurationGroup 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19.1

ipeCfgStaticRouteTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgStaticRouteEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Static Routing set up information table."

::= { ipeCfgStaticRouteGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19.1.1

ipeCfgStaticRouteEntry OBJECT-TYPE

SYNTAX IpeCfgStaticRouteEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"entry of Static Routing set up information table."

INDEX { ipeCfgRouteNEAddress, ipeCfgRouteIndex }

::= { ipeCfgStaticRouteTable 1 }

IpeCfgStaticRouteEntry ::=

SEQUENCE {

ipeCfgRouteIndex

INTEGER,

ipeCfgRouteNEAddress

IpAddress,

ipeCfgRouteDest

IpAddress,

ipeCfgRouteMask

IpAddress,

ipeCfgRouteNextHop

IpAddress,

ipeCfgRouteRowStatus

RowStatus

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19.1.1.1

ipeCfgRouteIndex OBJECT-TYPE

SYNTAX INTEGER (1..128)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of table(1 to 128)."

::= { ipeCfgStaticRouteEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19.1.1.2

ipeCfgRouteNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeCfgStaticRouteEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19.1.1.3

ipeCfgRouteDest OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Static routing object destination address.

When masking in ipeCfgRouteMask, the host address part has to be a zero, if any.

Value range:0x00000000-0xdffffff(0.0.0.0-223.255.255.255)

The value acquisition when unsetting it returns NoSuchObject."

::= { ipeCfgStaticRouteEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19.1.1.4

ipeCfgRouteMask OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Static routing object subnet mask.

When it isn't proper as subnetmask, it'll be an error.

Value range:0x00000000-0xffffffff(0-32bit)

Only when ipeCfgRouteDest is 0, 0bit is allowed.

The value acquisition when unsetting it returns NoSuchObject."

::= { ipeCfgStaticRouteEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19.1.1.5

ipeCfgRouteNextHop OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Static routing object gateway address.

Value range:0x00000001 - 0xffffffff(0.0.0.1 - 223.255.255.255)

The value acquisition when unsetting it returns NoSuchObject."

::= { ipeCfgStaticRouteEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.19.1.1.6

ipeCfgRouteRowStatus OBJECT-TYPE

SYNTAX RowStatus

```
{
  active(1),
  createAndGo(4),
  destroy(6)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This RowStatus has a status only 'active(1)'.

1) creating a entry

When you make a new entry, you must SET objects indicated below.

* ipeCfgRouteDest

* ipeCfgRouteMask

* ipeCfgRouteNextHop

* ipeCfgRouteRowStatus <- createAndGo(4)

2) modifying a entry

When you make a existing entry, you must SET objects indicated below.

- * ipeCfgRouteDest
- * ipeCfgRouteMask
- * ipeCfgRouteNextHop

3) deleting a entry

When you SET a destroy(6) to ipeCfgRouteRowStatus, the entry is destroyed.

- * ipeCfgRouteRowStatus <- destroy(6)"

```
::= { ipeCfgStaticRouteEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21
```

```
ipeCfgAccessListGroup OBJECT IDENTIFIER ::= { ipeConfigurationGroup 21 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.1
```

```
ipeCfgAccessListRuleTable OBJECT-TYPE
```

```
    SYNTAX SEQUENCE OF IpeCfgAccessListRuleEntry
```

```
    ACCESS not-accessible
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Table of Access List(Rule)."
```

```
::= { ipeCfgAccessListGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.1.1
```

```
ipeCfgAccessListRuleEntry OBJECT-TYPE
```

```
    SYNTAX IpeCfgAccessListRuleEntry
```

```
    ACCESS not-accessible
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Entry of Access List(Rule)."
```

```
    INDEX { ipeCfgAccessListRuleNEAddress, ipeCfgAccessListRuleEnableIndex }
```

```
::= { ipeCfgAccessListRuleTable 1 }
```

```
IpeCfgAccessListRuleEntry ::=
```

```

SEQUENCE {
    ipeCfgAccessListRuleEnableIndex
        INTEGER,
    ipeCfgAccessListRuleNEAddress
        IpAddress,
    ipeCfgAccessListInputRuleEnable
        INTEGER,
    ipeCfgAccessListForwardRuleEnable
        INTEGER,
    ipeCfgAccessListInputDefaultAction
        INTEGER,
    ipeCfgAccessListForwardDefaultAction
        INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.1.1.1
ipeCfgAccessListRuleEnableIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this ipeCfgAccessListRuleEntry.
        It's a fixed value(=1)."
```

::= { ipeCfgAccessListRuleEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.1.1.2
ipeCfgAccessListRuleNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
```

::= { ipeCfgAccessListRuleEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.1.1.3
ipeCfgAccessListInputRuleEnable OBJECT-TYPE
    SYNTAX INTEGER
    {
```



```

        invalid(0),
        disable(1),
        enable(2)
    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "IP Access Control Input Filter Rule"
::= { ipeCfgAccessListRuleEntry 3 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.1.1.4

ipeCfgAccessListForwardRuleEnable OBJECT-TYPE

```

SYNTAX INTEGER
    {
        invalid(0),
        disable(1),
        enable(2)
    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "IP Access Control Forwarding Filter Rule"
::= { ipeCfgAccessListRuleEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.1.1.5

ipeCfgAccessListInputDefaultAction OBJECT-TYPE

```

SYNTAX INTEGER
    {
        permit(1),
        deny(2)
    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "IP Access Control Input Default Action."
::= { ipeCfgAccessListRuleEntry 5 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.1.1.6

ipeCfgAccessListForwardDefaultAction OBJECT-TYPE

SYNTAX INTEGER

```
{
    permit(1),
    deny(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forwarding Default Action"

::= { ipeCfgAccessListRuleEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2

ipeCfgAccessListInputTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgAccessListInputEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Table of Access List(Input Direction)."

::= { ipeCfgAccessListGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1

ipeCfgAccessListInputEntry OBJECT-TYPE

SYNTAX IpeCfgAccessListInputEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Entry of Access List(Input Direction)."

INDEX { ipeCfgAccessListInputNEAddress, ipeCfgAccessListInputOrderNum }

::= { ipeCfgAccessListInputTable 1 }

IpeCfgAccessListInputEntry ::=

SEQUENCE {

ipeCfgAccessListInputOrderNum

INTEGER,

ipeCfgAccessListInputNEAddress

```

        IpAddress,
        ipeCfgAccessListInputInIfIndex
        INTEGER,
        ipeCfgAccessListInputSrcIpAddress
        IpAddress,
        ipeCfgAccessListInputSrcNetMask
        IpAddress,
        ipeCfgAccessListInputProtocol
        INTEGER,
        ipeCfgAccessListInputDstPortNum
        INTEGER,
        ipeCfgAccessListInputAction
        INTEGER,
        ipeCfgAccessListInputRowStatus
        RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.1
ipeCfgAccessListInputOrderNum OBJECT-TYPE
    SYNTAX INTEGER (1..50)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table(1-50)."
```

```

    ::= { ipeCfgAccessListInputEntry 1 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.2
ipeCfgAccessListInputNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
```

```

    ::= { ipeCfgAccessListInputEntry 2 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.3
ipeCfgAccessListInputInIfIndex OBJECT-TYPE
    SYNTAX INTEGER
```

```

{
  any(0),
  inband(3),
  ne2(4),
  bridge1(11),
  bridge2(12),
  bridge3(13),
  bridge4(14),
  bridge5(15),
  bridge6(16),
  bridge7(17),
  bridge8(18),
  bridge9(19),
  bridge10(20),
  bridge11(21),
  bridge12(22),
  bridge13(23),
  bridge14(24),
  bridge15(25),
  bridge16(26),
  bridge17(27),
  bridge18(28),
  bridge19(29),
  bridge20(30)
}

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Input Filter Interface.

The value 'inband' is not supported."

::= { ipeCfgAccessListInputEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.4

ipeCfgAccessListInputSrcIpAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Input Filter Source IP Address"

```
::= { ipeCfgAccessListInputEntry 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.5
```

```
ipeCfgAccessListInputSrcNetMask OBJECT-TYPE
```

```
SYNTAX IpAddress
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"IP Access Control Input Filter Source Subnet Mask.
```

```
'0.0.0.0' matches all IP addresses. i.e. '0.0.0.0' acts as
```

```
'Any'."
```

```
::= { ipeCfgAccessListInputEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.6
```

```
ipeCfgAccessListInputProtocol OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"IP Access Control Input Filter Protocol.
```

```
'-1' acts as 'Any'."
```

```
::= { ipeCfgAccessListInputEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.7
```

```
ipeCfgAccessListInputDstPortNum OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"IP Access Control Input Filter Port Number.
```

```
'-1' acts as 'Any'."
```

```
::= { ipeCfgAccessListInputEntry 7 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.8
```

```
ipeCfgAccessListInputAction OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```

        {
            permit(1),
            deny(2)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "IP Access Control Input Filter Action."
::= { ipeCfgAccessListInputEntry 8 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.2.1.9

ipeCfgAccessListInputRowStatus OBJECT-TYPE

SYNTAX RowStatus

```

        {
            active(1),
            createAndGo(4),
            destroy(6)
        }

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This RowStatus has a status only 'active(1)'.

1) creating a entry

When you make a new entry, you must SET objects indicated below.

ipeCfgAccessListInputAction

ipeCfgAccessListInputRowStatus <- createAndGo(4)

When you are not setting a value of items as follows, it is set as 'any'.

ipeCfgAccessListInputInIfIndex

ipeCfgAccessListInputSrcIpAddress

ipeCfgAccessListInputSrcNetMask(*1)

ipeCfgAccessListInputProtocol

ipeCfgAccessListInputDstPortNum(*2)

*1 When you not set ipeCfgAccessListInputSrcIpAddress, even when ipeCfgAccessListInputSrcNetMask is set, it is set as 'any'.When

ipeCfgAccessListInputSrcIpAddress set to 'any',
 ipeCfgAccessListInputSrcNetMask is set as 'any'.
 *2 When you not set ipeCfgAccessListInputProtocol to '6' or '17',
 even when ipeCfgAccessListInputDstPortNum is set, it is set as
 'any'.

2) modifying a entry
 It isn't possible.

3) deleting a entry
 When you SET a destroy(6) to ipeCfgAccessListInputRowStatus, the
 entry is destroyed."

::= { ipeCfgAccessListInputEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3

ipeCfgAccessListForwardTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgAccessListForwardEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Table of Access List(Forward Direction)."

::= { ipeCfgAccessListGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1

ipeCfgAccessListForwardEntry OBJECT-TYPE

SYNTAX IpeCfgAccessListForwardEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Entry of Access List(Forward Direction)."

INDEX { ipeCfgAccessListForwardNEAddress,
 ipeCfgAccessListForwardOrderNum }

::= { ipeCfgAccessListForwardTable 1 }

IpeCfgAccessListForwardEntry ::=

SEQUENCE {

ipeCfgAccessListForwardOrderNum

```

        INTEGER,
        ipeCfgAccessListForwardNEAddress
        IpAddress,
        ipeCfgAccessListForwardInIfIndex
        INTEGER,
        ipeCfgAccessListForwardOutIfIndex
        INTEGER,
        ipeCfgAccessListForwardSrcIpAddress
        IpAddress,
        ipeCfgAccessListForwardSrcNetMask
        IpAddress,
        ipeCfgAccessListForwardDstIpAddress
        IpAddress,
        ipeCfgAccessListForwardDstNetMask
        IpAddress,
        ipeCfgAccessListForwardProtocol
        INTEGER,
        ipeCfgAccessListForwardSrcPortNum
        INTEGER,
        ipeCfgAccessListForwardDstPortNum
        INTEGER,
        ipeCfgAccessListForwardAction
        INTEGER,
        ipeCfgAccessListForwardRowStatus
        RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.1
ipeCfgAccessListForwardOrderNum OBJECT-TYPE
    SYNTAX INTEGER (1..50)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of table(1-50)."
```

::= { ipeCfgAccessListForwardEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.2
ipeCfgAccessListForwardNEAddress OBJECT-TYPE
    SYNTAX IpAddress
```


ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeCfgAccessListForwardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.3

ipeCfgAccessListForwardInIfIndex OBJECT-TYPE

SYNTAX INTEGER

```

{
    any(0),
    inband(3),
    ne2(4),
    bridge1(11),
    bridge2(12),
    bridge3(13),
    bridge4(14),
    bridge5(15),
    bridge6(16),
    bridge7(17),
    bridge8(18),
    bridge9(19),
    bridge10(20),
    bridge11(21),
    bridge12(22),
    bridge13(23),
    bridge14(24),
    bridge15(25),
    bridge16(26),
    bridge17(27),
    bridge18(28),
    bridge19(29),
    bridge20(30)
}

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forward Filter Input Interface.

The value 'inband' is not supported."

```
::= { ipeCfgAccessListForwardEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.4
```

```
ipeCfgAccessListForwardOutIfIndex OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
{
    any(0),
    inband(3),
    ne2(4),
    bridge1(11),
    bridge2(12),
    bridge3(13),
    bridge4(14),
    bridge5(15),
    bridge6(16),
    bridge7(17),
    bridge8(18),
    bridge9(19),
    bridge10(20),
    bridge11(21),
    bridge12(22),
    bridge13(23),
    bridge14(24),
    bridge15(25),
    bridge16(26),
    bridge17(27),
    bridge18(28),
    bridge19(29),
    bridge20(30)
}
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"IP Access Control Forward Filter Output Interface.
```

```
The value 'inband' is not supported."
```

```
::= { ipeCfgAccessListForwardEntry 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.5
```

ipeCfgAccessListForwardSrcIpAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forward Filter Source IP Address."

::= { ipeCfgAccessListForwardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.6

ipeCfgAccessListForwardSrcNetMask OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forward Filter Source Subnet Mask.

'0.0.0.0' matches all IP addresses. i.e. '0.0.0.0' acts as 'Any'"

::= { ipeCfgAccessListForwardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.7

ipeCfgAccessListForwardDstIpAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forward Filter Destination IP Address."

::= { ipeCfgAccessListForwardEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.8

ipeCfgAccessListForwardDstNetMask OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forward Filter Destination Subnet Mask.

'0.0.0.0' matches all IP addresses. i.e. '0.0.0.0' acts as

'Any'."

::= { ipeCfgAccessListForwardEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.9

ipeCfgAccessListForwardProtocol OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forward Filter Protocol.

'-1' acts as 'Any'."

::= { ipeCfgAccessListForwardEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.10

ipeCfgAccessListForwardSrcPortNum OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forward Filter Source Port Number.

'-1' acts as 'Any'."

::= { ipeCfgAccessListForwardEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.11

ipeCfgAccessListForwardDstPortNum OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"IP Access Control Forward Filter Destination Port Number.

'-1' acts as 'Any'."

::= { ipeCfgAccessListForwardEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.12

ipeCfgAccessListForwardAction OBJECT-TYPE

SYNTAX INTEGER

{
permit(1),

```

        deny(2)
    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "IP Access Control Forward Filter Action."
::= { ipeCfgAccessListForwardEntry 12 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.21.3.1.13
```

```
ipeCfgAccessListForwardRowStatus OBJECT-TYPE
```

```
SYNTAX RowStatus
```

```

{
    active(1),
    createAndGo(4),
    destroy(6)
}

```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"This RowStatus has a status only 'active(1)'.
```

```
1) creating a entry
```

When you make a new entry, you must SET objects indicated below.

```
ipeCfgAccessListForwardAction
```

```
ipeCfgAccessListForwardRowStatus <- createAndGo(4)
```

When you are not setting a value of items as follows, it is set as 'any'.

```
ipeCfgAccessListForwardInIfIndex
```

```
ipeCfgAccessListForwardOutIfIndex
```

```
ipeCfgAccessListForwardSrcIpAddress
```

```
ipeCfgAccessListForwardSrcNetMask(*1)
```

```
ipeCfgAccessListForwardDstIpAddress
```

```
ipeCfgAccessListForwardDstNetMask(*2)
```

```
ipeCfgAccessListForwardProtocol
```

```
ipeCfgAccessListForwardSrcPortNum(*3)
```

```
ipeCfgAccessListForwardDstPortNum(*3)
```

*1 When you not set ipeCfgAccessListForwardSrcIpAddress, even when ipeCfgAccessListForwardSrcNetMask is set, it is set as 'any'. When ipeCfgAccessListForwardSrcIpAddress set to 'any', ipeCfgAccessListForwardSrcNetMask is set as 'any'.

*2 When you not set ipeCfgAccessListForwardDstIpAddress, even when ipeCfgAccessListForwardDstNetMask is set, it is set as 'any'. When ipeCfgAccessListForwardDstIpAddress set to 'any', ipeCfgAccessListForwardDstNetMask is set as 'any'.

*3 When you not set ipeCfgAccessListForwardProtocol to '6' or '17',, even when ipeCfgAccessListForwardSrcPortNum and ipeCfgAccessListForwardDstPortNum are set, it is set as 'any'.

2) modifying a entry

It isn't possible.

3) deleting a entry

When you SET a destroy(6) to ipeCfgAccessListForwardRowStatus, the entry is destroyed."

::= { ipeCfgAccessListForwardEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27

ipeCfgRadiusGroup OBJECT IDENTIFIER ::= { ipeConfigurationGroup 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.1

ipeCfgRadiusGeneralTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgRadiusGeneralEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Configure RADIUS parameters."

::= { ipeCfgRadiusGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.1.1

ipeCfgRadiusGeneralEntry OBJECT-TYPE

SYNTAX IpeCfgRadiusGeneralEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"..."

INDEX { ipeCfgRadiusGeneralNEAddress, ipeCfgRadiusGeneralIndex }

::= { ipeCfgRadiusGeneralTable 1 }

IpeCfgRadiusGeneralEntry ::=

SEQUENCE {

 ipeCfgRadiusGeneralIndex

 INTEGER,

 ipeCfgRadiusGeneralNEAddress

 IpAddress,

 ipeCfgRadiusGeneralAuthClientRetransmit

 INTEGER,

 ipeCfgRadiusGeneralAuthClientTimeout

 INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.1.1.1

ipeCfgRadiusGeneralIndex OBJECT-TYPE

 SYNTAX INTEGER (1)

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The index of this table."

 ::= { ipeCfgRadiusGeneralEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.1.1.2

ipeCfgRadiusGeneralNEAddress OBJECT-TYPE

 SYNTAX IpAddress

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Reserved object for northbound interface."

 ::= { ipeCfgRadiusGeneralEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.1.1.3

ipeCfgRadiusGeneralAuthClientRetransmit OBJECT-TYPE

```

SYNTAX INTEGER (0..255)
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Indicate maximum retransmit number of Access-Request
    message.
    The system retransmits Access-Request message to server
    according to this configuration."
DEFVAL { 3 }
::= { ipeCfgRadiusGeneralEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.1.1.4
ipeCfgRadiusGeneralAuthClientTimeout OBJECT-TYPE
    SYNTAX INTEGER (0..65535)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Indicate timeout period for response to Access-Request
        message.
        In case response (Access-Accept message) is not received
        in this period, the system will retransmit message."
    DEFVAL { 10 }
    ::= { ipeCfgRadiusGeneralEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2
ipeCfgRadiusAuthServerExtTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgRadiusAuthServerExtEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configure RADIUS authentication server parameters."
    ::= { ipeCfgRadiusGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1
ipeCfgRadiusAuthServerExtEntry OBJECT-TYPE
    SYNTAX IpeCfgRadiusAuthServerExtEntry
    ACCESS not-accessible

```


STATUS mandatory

DESCRIPTION

"..."

INDEX { ipeCfgRadiusAuthServerNEAddress,
ipeCfgRadiusAuthServerExtIndex }

::= { ipeCfgRadiusAuthServerExtTable 1 }

ipeCfgRadiusAuthServerExtEntry ::=

SEQUENCE {

ipeCfgRadiusAuthServerExtIndex

INTEGER,

ipeCfgRadiusAuthServerNEAddress

IpAddress,

ipeCfgRadiusAuthServerAddressType

INTEGER,

ipeCfgRadiusAuthServerAddress

IpAddress,

ipeCfgRadiusAuthClientServerPortNumber

INTEGER,

ipeCfgRadiusAuthClientPasswordType

INTEGER,

ipeCfgRadiusAuthClientSecretKey

DisplayString,

ipeCfgRadiusAuthServerExtRowStatus

RowStatus

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1.1

ipeCfgRadiusAuthServerExtIndex OBJECT-TYPE

SYNTAX INTEGER (1..3)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The index of this table."

::= { ipeCfgRadiusAuthServerExtEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1.2

ipeCfgRadiusAuthServerNEAddress OBJECT-TYPE

SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Reserved object for northbound interface."
 ::= { ipeCfgRadiusAuthServerExtEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1.3

ipeCfgRadiusAuthServerAddressType OBJECT-TYPE

SYNTAX INTEGER

{
 invalid(0),
 ipv4(1),
 ipv6(2)
 }

ACCESS read-only

STATUS mandatory

DESCRIPTION

 "Indicate IP address type of this server.

 ipv4 : server has IPv4 address.

 ipv6 : server has IPv6 address. (NOT SUPPORTED)

 ipv6 will be supported in future version."

DEFVAL { ipv4 }

::= { ipeCfgRadiusAuthServerExtEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1.4

ipeCfgRadiusAuthServerAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

 "Indicate IP address of this server."

::= { ipeCfgRadiusAuthServerExtEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1.5

ipeCfgRadiusAuthClientServerPortNumber OBJECT-TYPE

SYNTAX INTEGER (0..65535)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate port number of RADIUS authentication protocol on this server."

DEFVAL { 1812 }

::= { ipeCfgRadiusAuthServerExtEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1.6

ipeCfgRadiusAuthClientPasswordType OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
user(1),
chap(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate password authentication type. The system select password attribute on Access-Request message.

user : use User-Password attribute.

chap : use CHAP-Password attribute.

See RFC 2865 for details."

DEFVAL { user }

::= { ipeCfgRadiusAuthServerExtEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1.7

ipeCfgRadiusAuthClientSecretKey OBJECT-TYPE

SYNTAX DisplayString (SIZE (8..128))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate RADIUS shared secret encrypted by blowfish.

This object is used to confirm received RADIUS message is sent from authenticated server.

This object is also used to encrypt User-Password attribute on Access-Request message.

See RFC 2865 for details.

The secret key(before encryption) range is 1-63 characters.

The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'."

```
::= { ipeCfgRadiusAuthServerExtEntry 7 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.2.1.8
```

```
ipeCfgRadiusAuthServerExtRowStatus OBJECT-TYPE
```

```
SYNTAX RowStatus
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"The row status of this table."
```

```
::= { ipeCfgRadiusAuthServerExtEntry 8 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.3
```

```
ipeCfgRadiusPrivLevelGeneralTable OBJECT-TYPE
```

```
SYNTAX SEQUENCE OF IpeCfgRadiusPrivLevelGeneralEntry
```

```
ACCESS not-accessible
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Configure general privilege level for RADIUS authentication."
```

```
::= { ipeCfgRadiusGroup 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.3.1
```

```
ipeCfgRadiusPrivLevelGeneralEntry OBJECT-TYPE
```

```
SYNTAX IpeCfgRadiusPrivLevelGeneralEntry
```

```
ACCESS not-accessible
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"..."
```

```

INDEX { ipeCfgRadiusPrivLevelGeneralNEAddress,
ipeCfgRadiusPrivLevelGeneralIndex }
::= { ipeCfgRadiusPrivLevelGeneralTable 1 }

```

```

IpeCfgRadiusPrivLevelGeneralEntry ::=
SEQUENCE {
    ipeCfgRadiusPrivLevelGeneralIndex
        INTEGER,
    ipeCfgRadiusPrivLevelGeneralNEAddress
        IpAddress,
    ipeCfgRadiusPrivLevelGeneralDefaultAction
        INTEGER,
    ipeCfgRadiusPrivLevelGeneralDefaultGroup
        DisplayString
}

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.3.1.1
ipeCfgRadiusPrivLevelGeneralIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The index of this table."
    ::= { ipeCfgRadiusPrivLevelGeneralEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.3.1.2
ipeCfgRadiusPrivLevelGeneralNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Reserved object for northbound interface."
    ::= { ipeCfgRadiusPrivLevelGeneralEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.3.1.3
ipeCfgRadiusPrivLevelGeneralDefaultAction OBJECT-TYPE
    SYNTAX INTEGER

```

```

{
  invalid(0),
  denyLogin(1),
  useDefaultGroup(2)
}

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate system default action in case privilege level is not specified on Access-Accept message or received privilege level is set to disable in ipeCfgRadiusGroupPrivLevelMappingEnable.

denyLogin : deny login.

useDefaultGroup : use group specified in ipeCfgRadiusPrivLevelGeneralDefaultGroup."

DEFVAL { useDefaultGroup }

::= { ipeCfgRadiusPrivLevelGeneralEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.3.1.4

ipeCfgRadiusPrivLevelGeneralDefaultGroup OBJECT-TYPE

SYNTAX DisplayString (SIZE (1..32))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate default group in case privilege level is not specified.

This object is effective only if ipeCfgRadiusPrivLevelGeneralDefaultAction is useDefaultGroup.

The value of this object should be registered group name in the system (as ipeCfgAccountGroupName).

The characters which can be used are '-', '_', '0'-'9', 'a'-'z' and 'A'-'Z'."

DEFVAL { "Operator" }

::= { ipeCfgRadiusPrivLevelGeneralEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.4

ipeCfgRadiusGroupPrivLevelMappingTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgRadiusGroupPrivLevelMappingEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Configure privilege level mapping for RADIUS
authentication."

::= { ipeCfgRadiusGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.4.1

ipeCfgRadiusGroupPrivLevelMappingEntry OBJECT-TYPE

SYNTAX IpeCfgRadiusGroupPrivLevelMappingEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"..."

INDEX { ipeCfgRadiusGroupPrivLevelMappingNEAddress,
ipeCfgRadiusGroupPrivLevelMappingPrivLevel }

::= { ipeCfgRadiusGroupPrivLevelMappingTable 1 }

IpeCfgRadiusGroupPrivLevelMappingEntry ::=

SEQUENCE {

ipeCfgRadiusGroupPrivLevelMappingPrivLevel

INTEGER,

ipeCfgRadiusGroupPrivLevelMappingNEAddress

IpAddress,

ipeCfgRadiusGroupPrivLevelMappingEnable

INTEGER,

ipeCfgRadiusGroupPrivLevelMappingGroup

DisplayString

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.4.1.1

ipeCfgRadiusGroupPrivLevelMappingPrivLevel OBJECT-TYPE

SYNTAX INTEGER (0..15)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The index of this table.

The value corresponds to received privilege level on
Access-Accept message."

::= { ipeCfgRadiusGroupPrivLevelMappingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.4.1.2

ipeCfgRadiusGroupPrivLevelMappingNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Reserved object for northbound interface."

::= { ipeCfgRadiusGroupPrivLevelMappingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.4.1.3

ipeCfgRadiusGroupPrivLevelMappingEnable OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
disable(1),
enable(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Enable or disable privilege level mapping on this
privilege level.

disable : privilege level mapping is disabled.

enable : privilege level mapping is enabled.

The system default value of this object shown below.

PrivLevel=1, 7, 15 : enable

other PrivLevel : disable

In case this object is set to disable, the system
 behave according to
 ipeCfgRadiusPrivLevelGeneralDefaultAction."

DEFVAL { disable }

::= { ipeCfgRadiusGroupPrivLevelMappingEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.27.4.1.4

ipeCfgRadiusGroupPrivLevelMappingGroup OBJECT-TYPE

SYNTAX DisplayString (SIZE (1..32))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Indicate group name correspond to privilege level.

This object is effective only if

ipeCfgRadiusGroupPrivLevelMappingEnable is enable.

When the system received Access-Accept message with certain
 privilege level, login user has same privilege as this
 group.

The system default value of this object shown below.

PrivLevel=1 : Operator

PrivLevel=7 : Config

PrivLevel=15 : Admin

The value should be registered group name registered in
 the system (as ipeCfgAccountGroupName).

The characters which can be used are '-', '_', '0'-'9',
 'a'-'z' and 'A'-'Z'."

::= { ipeCfgRadiusGroupPrivLevelMappingEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.28

ipeCfgLldpGroup OBJECT IDENTIFIER ::= { ipeConfigurationGroup 28 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.28.1

ipeCfgLldpTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgLldpEntry

```

ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    "LLDP set up information table."
::= { ipeCfgLldpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.28.1.1
ipeCfgLldpEntry OBJECT-TYPE
    SYNTAX IpeCfgLldpEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "entry of LLDP set up information table."
    INDEX { ipeCfgLldpNEAddress, ipeCfgLldpIndex }
    ::= { ipeCfgLldpTable 1 }

IpeCfgLldpEntry ::=
    SEQUENCE {
        ipeCfgLldpIndex
            INTEGER,
        ipeCfgLldpNEAddress
            IpAddress,
        ipeCfgLldpProprietaryModeMacAddress
            MacAddress
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.28.1.1.1
ipeCfgLldpIndex OBJECT-TYPE
    SYNTAX INTEGER (1..1)
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "The index of this table."
    ::= { ipeCfgLldpEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.28.1.1.2

```

ipeCfgLldpNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "reserved."

::= { ipeCfgLldpEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.28.1.1.3

ipeCfgLldpProprietaryModeMacAddress OBJECT-TYPE

SYNTAX MacAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"MAC address of LLDP Frame in NEC mode.

This object is effective only if ipeCfgPortXXXXXLldpMode is set
to proprietaryMode."

DEFVAL { '01004c01da50'h }

::= { ipeCfgLldpEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.29

ipeCfgMgmtTrafficGrop OBJECT IDENTIFIER ::= { ipeConfigurationGroup 29 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.29.1

ipeCfgMgmtTrafficControlTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgMgmtTrafficControlEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"This table configures the M-plane traffic."

::= { ipeCfgMgmtTrafficGrop 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.29.1.1

ipeCfgMgmtTrafficControlEntry OBJECT-TYPE

SYNTAX IpeCfgMgmtTrafficControlEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { ipeCfgMgmtTrafficControlNEAddress, ipeCfgMgmtTrafficControlIndex }
 ::= { ipeCfgMgmtTrafficControlTable 1 }

ipeCfgMgmtTrafficControlEntry ::=

SEQUENCE

```
{
  ipeCfgMgmtTrafficControlIndex
    INTEGER,
  ipeCfgMgmtTrafficControlNEAddress
    IpAddress,
  ipeCfgMgmtTrafficRate
    INTEGER,
  ipeCfgMgmtTrafficEgressCos
    INTEGER
}
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.29.1.1.1

ipeCfgMgmtTrafficControlIndex OBJECT-TYPE

SYNTAX INTEGER (1..1)

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Indef of this table."

::= { ipeCfgMgmtTrafficControlEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.29.1.1.2

ipeCfgMgmtTrafficControlNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"reserved."

::= { ipeCfgMgmtTrafficControlEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.29.1.1.3

ipeCfgMgmtTrafficRate OBJECT-TYPE

SYNTAX INTEGER (0|500..10000)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The maximum bandwidth of M-plane traffic.

This object limits the rate of ingress traffic and limits the rate of egress traffic to Radio Link (i.e. excluding the NMS/NE1/Inband traffic).

Value '0' means the rate limit is disabled."

::= { ipeCfgMgmtTrafficControlEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.29.1.1.4

ipeCfgMgmtTrafficEgressCos OBJECT-TYPE

SYNTAX INTEGER (5..7)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"CoS value for M-plane egress traffic to Radio Link.

When the CPU sends M-plane data to the Radio link, the frame has the CoS value which is configured by this object.

And the agent controls the priority of egress traffic depending on this CoS value."

::= { ipeCfgMgmtTrafficControlEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.4

ipeCommunicationsGroup OBJECT IDENTIFIER ::= { system5 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.4.1

ipeNeighborInfoTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeNeighborInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Neighbor NE table."

::= { ipeCommunicationsGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.4.1.1

ipeNeighborInfoEntry OBJECT-TYPE

SYNTAX IpeNeighborInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Neighbor NE entry."

INDEX { ipeNeighborInfoNEAddress, ipeNeighborInfoIndex }

::= { ipeNeighborInfoTable 1 }

IpeNeighborInfoEntry ::=

SEQUENCE {

ipeNeighborInfoIndex

InterfaceIndex,

ipeNeighborInfoNEAddress

IpAddress,

ipeNeighborIpAddress

OCTET STRING

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.4.1.1.1

ipeNeighborInfoIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of table."

::= { ipeNeighborInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.4.1.1.2

ipeNeighborInfoNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

```

::= { ipeNeighborInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.4.1.1.3
ipeNeighborIpAddress OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..240))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Neighbor NE is displayed as unit of registration every eight
        bytes of Internet Protocol address (4byte) + Node TYPE(4byte).
        The number of maximum registration is 30 (240byte).
        attention:
        ne2 set the IpAddress only, do not set the Node type."
::= { ipeNeighborInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6
ipeStatusGroup OBJECT IDENTIFIER ::= { system5 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7
ipeStsPort OBJECT IDENTIFIER ::= { ipeStatusGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7.1
ipeStsPortEtherTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeStsPortEtherEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Table of port status."
::= { ipeStsPort 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7.1.1
ipeStsPortEtherEntry OBJECT-TYPE
    SYNTAX IpeStsPortEtherEntry
    ACCESS not-accessible
    STATUS mandatory

```

DESCRIPTION

"entry of port status table."

INDEX { ipeStsPortEtherNEAddress, ipeStsPortEtherIfIndex }

::= { ipeStsPortEtherTable 1 }

IpeStsPortEtherEntry ::=

SEQUENCE {

ipeStsPortEtherIfIndex

InterfaceIndex,

ipeStsPortEtherNEAddress

IpAddress,

ipeStsPortEtherLinkUp

INTEGER,

ipeStsPortEtherSpeed

INTEGER,

ipeStsPortEtherDuplex

INTEGER,

ipeStsPortEtherFlowControl

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7.1.1.1

ipeStsPortEtherIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of table (Valid Value : NMS/NE1/LCT/E1)."

::= { ipeStsPortEtherEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7.1.1.2

ipeStsPortEtherNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { ipeStsPortEtherEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7.1.1.3

ipeStsPortEtherLinkUp OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Link Up/Down of I/F.

value range:1 LinkUp

2 LinkDown"

::= { ipeStsPortEtherEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7.1.1.4

ipeStsPortEtherSpeed OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Speed of I/F.

value range:10 10Mb/s

100 100Mb/s

1000 1000Mb/s"

::= { ipeStsPortEtherEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7.1.1.5

ipeStsPortEtherDuplex OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Duplex of I/F.

value range:1 half duplex

2 full duplex"

::= { ipeStsPortEtherEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.6.7.1.1.6

```

ipeStsPortEtherFlowControl OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FlowControl of I/F.
        value range:0 flowctl none
            1  receive only
            2  transfer only
            3  receive and transfer"
    ::= { ipeStsPortEtherEntry 6 }

```

END

```

--
-- MIB-PNMSJ-IPASOLINK-100-200-SYSTEM-MIB.my
--

```

Appendix 3: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-DHCP-MAIN-MIB.my)

```

--
-- MIB-PNMSJ-IPASOLINK-100-200-DHCP-MAIN-MIB.my
-- Friday, May 11, 2012
--

MIB-PNMSJ-IPASOLINK-100-200-DHCP-MAIN-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        TRAP-TYPE
            FROM RFC-1215
        enterprises, IpAddress
            FROM RFC1155-SMI
        DisplayString
            FROM RFC1213-MIB
        DateAndTime
            FROM SNMPv2-TC;

--
-- Type definitions
--

```

```
EnableDisableValue ::= INTEGER
```

```
{
  invalid(0),
  disable(1),
  enable(2)
}
```

```
MacAddress ::= OCTET STRING (SIZE (6))
```

```
RowStatus ::= INTEGER
```

```
{
  active(1),
  notInService(2),
  notReady(3),
  createAndGo(4),
  createAndWait(5),
  destroy(6)
}
```

```
--
```

```
-- Node definitions
```

```
--
```

```
-- 1.3.6.1.4.1.119
```

```
nec OBJECT IDENTIFIER ::= { enterprises 119 }
```

```
-- 1.3.6.1.4.1.119.2
```

```
nec-mib OBJECT IDENTIFIER ::= { nec 2 }
```

```
-- 1.3.6.1.4.1.119.2.3
```

```
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69
```

```
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203
```

```
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502
```

```
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5
```

```
system5 OBJECT IDENTIFIER ::= { ipasolink200 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3
```

```
ipeConfigurationGroup OBJECT IDENTIFIER ::= { system5 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13
```

```
ipeCfgDhcpGroup OBJECT IDENTIFIER ::= { ipeConfigurationGroup 13 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2
ipeCfgDhcpMainServerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCfgDhcpMainServerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "IPv4 DHCP server/relay configuraion table for main traffic."
    ::= { ipeCfgDhcpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1
ipeCfgDhcpMainServerEntry OBJECT-TYPE
    SYNTAX IpeCfgDhcpMainServerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Entry of IPv4 DHCP server/relay configuraion table."
    INDEX { ipeCfgDhcpMainServerNEAddress, ipeCfgDhcpMainServerIndex }
    ::= { ipeCfgDhcpMainServerTable 1 }

IpeCfgDhcpMainServerEntry ::=
    SEQUENCE {
        ipeCfgDhcpMainServerIndex
            INTEGER,
        ipeCfgDhcpMainServerNEAddress
            IpAddress,
        ipeCfgDhcpMainServerEnable
            EnableDisableValue,
        ipeCfgDhcpMainServerMode
            INTEGER,
        ipeCfgDhcpMainServerInterface
            InterfaceIndex,
        ipeCfgDhcpMainServerIpAddr
            IpAddress,
        ipeCfgDhcpMainServerLeaseTime
            INTEGER,
        ipeCfgDhcpMainServerLeaseAddrRangeBegin
            IpAddress,
        ipeCfgDhcpMainServerLeaseAddrRangeEnd
            IpAddress,
        ipeCfgDhcpMainServerLeaseAddrExcludeBegin
            IpAddress,
        ipeCfgDhcpMainServerLeaseAddrExcludeEnd
            IpAddress,
        ipeCfgDhcpMainServerOptGatewayAddrEnable
            INTEGER,
        ipeCfgDhcpMainServerOptGatewayAddr
            IpAddress,
        ipeCfgDhcpMainServerOptDnsServerPrimary
            IpAddress,
        ipeCfgDhcpMainServerOptDnsServerSecondary
            IpAddress,
        ipeCfgDhcpMainServerOptSpecifyEnable
            EnableDisableValue,
        ipeCfgDhcpMainServerOptSpecifyId
            INTEGER,
        ipeCfgDhcpMainServerOptSpecifyType
            INTEGER,
        ipeCfgDhcpMainServerOptSpecifyValue

```

```

        OCTET STRING,
        ipeCfgDhcpMainServerSecurityLevel
        INTEGER,
        ipeCfgDhcpMainServerRegisteredMacId
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.1
ipeCfgDhcpMainServerIndex OBJECT-TYPE
    SYNTAX INTEGER (1..16)
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { ipeCfgDhcpMainServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.2
ipeCfgDhcpMainServerNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Reserved object for northbound interface."
    ::= { ipeCfgDhcpMainServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.3
ipeCfgDhcpMainServerEnable OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Enable/Disable this DHCP server/relay agent.
        disable : DHCP server/relay agent is disabled
        enable : DHCP server/relay agent is enabled"
        DEFVAL { disable }
    ::= { ipeCfgDhcpMainServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.4
ipeCfgDhcpMainServerMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            server(1),
            relay(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Configuration of operation mode.
        server : This instance is DHCP server mode.
        relay : This instance is DHCP relay agent mode.
        When ipeCfgDhcpMainServerIndex is 1-3, both server and relay can
        configurable. In this case, the default value is server.
        When ipeCfgDhcpMainServerIndex is 4-16, only relay can
        configurable. In this case, the default value is relay."
    ::= { ipeCfgDhcpMainServerEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.5
ipeCfgDhcpMainServerInterface OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Interface index of local m-plane interface which communicate
        with DHCP client.
        The value of this object doesn't overlap with other instance."
    ::= { ipeCfgDhcpMainServerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.6
ipeCfgDhcpMainServerIpAddr OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IPv4 address of DHCP server.
        This object is effective only if DHCP relay agent mode."
    ::= { ipeCfgDhcpMainServerEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.7
ipeCfgDhcpMainServerLeaseTime OBJECT-TYPE
    SYNTAX INTEGER (0..0|60..259200)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The lease time of IPv4 Address provides to DHCP Client. The unit
        is seconds.
        0 means infinity.
        This object is effective only if DHCP server mode."
    DEFVAL { 86400 }
    ::= { ipeCfgDhcpMainServerEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.8
ipeCfgDhcpMainServerLeaseAddrRangeBegin OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "First IPv4 address within the range of lease address.
        This IP address is less equal than
        ipeCfgDhcpMainServerAddrRangeEnd.
        This object is effective only if DHCP server mode."
    DEFVAL { '00000000'h }
    ::= { ipeCfgDhcpMainServerEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.9
ipeCfgDhcpMainServerLeaseAddrRangeEnd OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Last IPv4 address within the range of lease address.

```

This IPv4 address is greater equal than
 ipeCfgDhcpMainServerAddrRangeBegin. This object is effective only
 if DHCP server mode."
 DEFVAL { '00000000'h }
 ::= { ipeCfgDhcpMainServerEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.10
 ipeCfgDhcpMainServerLeaseAddrExcludeBegin OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "First IPv4 address within the range of lease exclude address.
 DHCP server don't lease IP address within lease exclude address.
 This IPv4 address is less equal than ipeCfgDhcpMainServerAddr-
 ExcludeEnd.
 This object is effective only if DHCP server mode."
 DEFVAL { '00000000'h }
 ::= { ipeCfgDhcpMainServerEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.11
 ipeCfgDhcpMainServerLeaseAddrExcludeEnd OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Last IPv4 address within the range of lease exclude address.
 DHCP server don't lease IP address within lease exclude address.
 This IPv4 address is less equal than ipeCfgDhcpMainServerAddr-
 ExcludeBegin.
 This object is effective only if DHCP server mode."
 DEFVAL { '00000000'h }
 ::= { ipeCfgDhcpMainServerEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.12
 ipeCfgDhcpMainServerOptGatewayAddrEnable OBJECT-TYPE
 SYNTAX INTEGER
 {
 invalid(0),
 enabledInterface(1),
 enabledSpecify(2),
 disabled(3)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Switch that how to handle gateway IP address option on DHCP
 server.
 enabledInterface : Use interface IP address. DHCP server
 provides gateway IP address configured on
 interface which is set to
 ipeCfgDhcpMainServerInterface.
 enabledSpecify : Use IP address which is set to
 ipeCfgDhcpMainServerOptGatewayAddr.
 disabled : DHCP server doesn't provide gateway IP address.
 This object is effective only if DHCP server mode."
 DEFVAL { enabledInterface }

```

::= { ipeCfgDhcpMainServerEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.13
ipeCfgDhcpMainServerOptGatewayAddr OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Gateway IP address which is provided by DHCP server.
        This object is effective only if DHCP server mode and
        ipeCfgDhcpMainServerOptGatewayAddrEnable is set to
        enabledSpecify."
    DEFVAL { '00000000'h }
    ::= { ipeCfgDhcpMainServerEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.14
ipeCfgDhcpMainServerOptDnsServerPrimary OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Primary DNS server address which is provided by DHCP server.
        This object is effective only if DHCP server mode."
    DEFVAL { '00000000'h }
    ::= { ipeCfgDhcpMainServerEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.15
ipeCfgDhcpMainServerOptDnsServerSecondary OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Secondary DNS server address which is provided by DHCP server.
        In order to configure this object.
        ipeCfgDhcpMainServerOptDnsServerPrimary must be set in advance.
        This object is effective only if DHCP server mode."
    DEFVAL { '00000000'h }
    ::= { ipeCfgDhcpMainServerEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.16
ipeCfgDhcpMainServerOptSpecifyEnable OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Switch that whether DHCP server add user specified option to
        DHCP message.
        enable : DHCP server add user specified option.
        disable : DHCP server doesn't add user specified option.
        This object is effective only if DHCP server mode."
    DEFVAL { disable }
    ::= { ipeCfgDhcpMainServerEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.17
ipeCfgDhcpMainServerOptSpecifyId OBJECT-TYPE

```



```

SYNTAX INTEGER (0..255)
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Option id which DHCP server adds user specified option to DHCP
    message.
    This object is effective only if DHCP server mode and ipeCfgDhcp-
    MainServerOptSpecifyEnable is set to enabled."
DEFVAL { 0 }
::= { ipeCfgDhcpMainServerEntry 17 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.18
ipeCfgDhcpMainServerOptSpecifyType OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            ipv4(1),
            ipv6(2),
            displayString(3),
            octetString(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Option type which DHCP server adds to DHCP message.
        This object is effective only if DHCP server mode and ipeCfgDhcp-
        MainServerOptSpecifyEnable is set to enabled."
    DEFVAL { ipv4 }
    ::= { ipeCfgDhcpMainServerEntry 18 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.19
ipeCfgDhcpMainServerOptSpecifyValue OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE(0..255))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Option value which DHCP server adds to DHCP message.
        This object is decoded according to
        ipeCfgDhcpMainServerOptSpecifyType.
        ipv4 : Syntax is IpAddress.
        ipv6 : Syntax is Ipv6Address.
        displayString : Syntax is DisplayString.
        octetString : Syntax is OCTET STRING.
        This object is effective only if DHCP server mode and
        ipeCfgDhcpMainServerOptSpecifyEnable is set to enabled."
    ::= { ipeCfgDhcpMainServerEntry 19 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.20
ipeCfgDhcpMainServerSecurityLevel OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            any(1),
            onlyRegistered(2)
        }
    ACCESS read-only
    STATUS mandatory

```

DESCRIPTION

"Security level of this DHCP server.
 any: DHCP server doesn't check MAC address except for
 rejected MAC address.
 onlyRegistered : DHCP server provides IP address only to
 registered MAC addresss.
 Note : Rejected MAC address is examined even if
 ipeCfgDhcpMainServerSecurityLevel is set to any.
 This object is effective only if DHCP server mode."

DEFVAL { any }

::= { ipeCfgDhcpMainServerEntry 20 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.13.2.1.21

ipeCfgDhcpMainServerRegisteredMacId OBJECT-TYPE

SYNTAX INTEGER (0..3)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The identifier of ipeCfgDhcpMainServerRegisteredMacEntry.
 0 means no registered/rejected IP address exists.
 This object is effective only if DHCP server mode."

DEFVAL { 0 }

::= { ipeCfgDhcpMainServerEntry 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.13.3

ipeCfgDhcpMainRegisteredMacTable OBJECT-TYPE

SYNTAX SEQUENCE OF IpeCfgDhcpMainRegisteredMacEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"IPv4 registered MAC address table for DHCP server."

::= { ipeCfgDhcpGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.13.3.1

ipeCfgDhcpMainRegisteredMacEntry OBJECT-TYPE

SYNTAX IpeCfgDhcpMainRegisteredMacEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Entry of IPv4 registered MAC address table."

INDEX {

ipeCfgDhcpMainRegisteredMacNEAddress,
 ipeCfgDhcpMainRegisteredMacId,
 ipeCfgDhcpMainRegisteredMacNo

}

::= { ipeCfgDhcpMainRegisteredMacTable 1 }

IpeCfgDhcpMainRegisteredMacEntry ::=

SEQUENCE {

ipeCfgDhcpMainRegisteredMacId
 INTEGER,
 ipeCfgDhcpMainRegisteredMacNo
 INTEGER,
 ipeCfgDhcpMainRegisteredMacNEAddress
 IpAddress,
 ipeCfgDhcpMainRegisteredMacAddr

```

        MacAddress,
        ipeCfgDhcpMainRegisteredMacIpAddr
        IpAddress,
        ipeCfgDhcpMainRegisteredMacRowStatus
        RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.13.3.1.1
ipeCfgDhcpMainRegisteredMacId OBJECT-TYPE
    SYNTAX INTEGER (1..3)
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of this table. This object means identifier of registered
        MAC entry."
    ::= { ipeCfgDhcpMainRegisteredMacEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.13.3.1.2
ipeCfgDhcpMainRegisteredMacNo OBJECT-TYPE
    SYNTAX INTEGER (1..256)
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of this table. This object means MAC address number whthin
        this registered MAC entry."
    ::= { ipeCfgDhcpMainRegisteredMacEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.13.3.1.3
ipeCfgDhcpMainRegisteredMacNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Reserved object for northbound interface."
    ::= { ipeCfgDhcpMainRegisteredMacEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.13.3.1.4
ipeCfgDhcpMainRegisteredMacAddr OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "This object means registered MAC address. When ipeCfgDhcpMain-
        ServerSecurityLevel is set to onlyRegistered, DHCP server accept
        DHCP message sent from registered MAC address.
        This object must be set when the row is created."
    ::= { ipeCfgDhcpMainRegisteredMacEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.13.3.1.5
ipeCfgDhcpMainRegisteredMacIpAddr OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP address correspond to registered MAC address. If DHCP server

```

```

        receives DHCP DISCOVER from registered MAC address, it provide
        coresponding IP address set to this object.
        When this object is set to 0.0.0.0, DHCP server provide any
        address whthin the lease address range.
        When this object is set to 255.255.255.255, DHCP server treats
        this MAC address as rejected MAC Address."
    DEFVAL { '00000000'h }
    ::= { ipeCfgDhcpMainRegisteredMacEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.3.13.3.1.6
ipeCfgDhcpMainRegisteredMacRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RowStatus of this entry. The system supports three values shonw
        below.
        active(1) : change attribute in existing instance.
        createAndGo(4) : create the instance.
        destroy(6) : delete the instance."
    ::= { ipeCfgDhcpMainRegisteredMacEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.8
ipeCommandGroup OBJECT IDENTIFIER ::= { system5 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.8.13
ipeCmdDhcpGroup OBJECT IDENTIFIER ::= { ipeCommandGroup 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.8.13.1
ipeCmdDhcpMainTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeCmdDhcpMainEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Maintenance table for DHCP server."
    ::= { ipeCmdDhcpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.8.13.1.1
ipeCmdDhcpMainEntry OBJECT-TYPE
    SYNTAX IpeCmdDhcpMainEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Command entry for IPv4 DHCP server."
    INDEX { ipeCmdDhcpMainNEAddress, ipeCmdDhcpMainIndex,
            ipeCmdDhcpMainLeaseIpAddr }
    ::= { ipeCmdDhcpMainTable 1 }

IpeCmdDhcpMainEntry ::=
    SEQUENCE {
        ipeCmdDhcpMainIndex
            INTEGER,
        ipeCmdDhcpMainLeaseIpAddr
            IpAddress,

```

```

        ipeCmdDhcpMainNEAddress
            IpAddress,
        ipeCmdDhcpMainManualDelete
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.8.13.1.1.1
ipeCmdDhcpMainIndex OBJECT-TYPE
    SYNTAX INTEGER (1..3)
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCmdDhcpMainEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.8.13.1.1.2
ipeCmdDhcpMainLeaseIpAddr OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "The lease IP Address."
    ::= { ipeCmdDhcpMainEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.8.13.1.1.3
ipeCmdDhcpMainNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCmdDhcpMainEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.5.8.13.1.1.4
ipeCmdDhcpMainManualDelete OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            normal(1),
            manualDelete(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Operator manually deletes this lease address.
        normal : can not set this value.
        manualDelete : Delete this lease address.
        If ipeCmdDhcpMainLeaseIpAddr is set to 0.0.0.0,
        DHCP server deletes all entry in corresponding
        ipeStsDhcpMainLeaseAddrEntry.
        Note : When you read this object, the system always return
        normal."
    ::= { ipeCmdDhcpMainEntry 4 }

```

END

```
--  
-- MIB-PNMSJ-IPASOLINK-100-200-DHCP-MAIN-MIB.my  
--
```

Appendix 4: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-COMMON-MIB.my)

```
--
-- MIB-PNMSJ-IPASOLINK-100-200-COMMON-MIB.my
-- Friday, May 11, 2012
--

MIB-PNMSJ-IPASOLINK-100-200-COMMON-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex, InterfaceIndexOrZero
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        TRAP-TYPE
            FROM RFC-1215
        enterprises, IpAddress, Counter, Gauge
            FROM RFC1155-SMI
        DisplayString
            FROM RFC1213-MIB
        DateAndTime
            FROM SNMPv2-TC;

--
-- Type definitions
--

SeverityValue ::= INTEGER
{
    cleared(1),
    indetermine(2),
    critical(3),
    major(4),
    minor(5),
    warning(6)
}

AlarmTypeValue ::= INTEGER
{
    invalid(0),
    communicationsAlarm(1),
    qualityOfServiceAlarm(2),
    processingErrorAlarm(3),
    equipmentAlarm(4),
    environmentalAlarm(5),
    integrityViolationAlarm(6),
    operationalViolationAlarm(7),
    physicalViolationAlarm(8),
    securityViolationAlarm(9),
    timeDomainViolationAlarm(10)
}

ProbableCauseValue ::= INTEGER
{
    invalid(0),
    alS(1),

```

callSetUpFailure(2),
degradedSignal(3),
farEndReceiverFailure(4),
framingError(5),
lossOfFrame(6),
lossOfPointer(7),
lossOfSignal(8),
payloadTypeMismatch(9),
transmissionError(10),
remoteAlarmInterface(11),
excessiveBER(12),
pathTraceMismatch(13),
unavailable(14),
signalLabelMismatch(15),
lossOfMultiFrame(16),
receiveFailure(17),
transmitFailure(18),
modulationFailure(19),
demodulationFailure(20),
broadcastChannelFailure(21),
connectionEstablishmentError(22),
invalidMessageReceived(23),
localNodeTransmissionError(24),
remoteNodeTransmissionError(25),
routingFailure(26),
backplaneFailure(51),
dataSetProblem(52),
equipmentIdentifierDuplication(53),
externalIFDeviceProblem(54),
lineCardProblem(55),
multiplexerProblem(56),
nEIdentifierDuplication(57),
powerProblem(58),
processorProblem(59),
protectionPathFailure(60),
receiverFailure(61),
replaceableUnitMissing(62),
replaceableUnitTypeMismatch(63),
synchronizationSourceMismatch(64),
terminalProblem(65),
timingProblem(66),
transmitterFailure(67),
trunkCardProblem(68),
replaceableUnitProblem(69),
realTimeClockFailure(70),
antennaFailure(71),
batteryChargingFailure(72),
diskFailure(73),
frequencyHoppingFailure(74),
iODeviceError(75),
lossOfSynchronisation(76),
lossOfRedundancy(77),
powerSupplyFailure(78),
signalQualityEvaluationFailure(79),
tranceiverFailure(80),
protectionMechanismFailure(81),
protectingResourceFailure(82),
airCompressorFailure(101),
airConditioningFailure(102),
airDryerFailure(103),

batteryDischarging(104),
 batteryFailure(105),
 commercialPowerFailure(106),
 coolingFanFailure(107),
 engineFailure(108),
 fireDetectorFailure(109),
 fuseFailure(110),
 generatorFailure(111),
 lowBatteryThreshold(112),
 pumpFailure(113),
 rectifierFailure(114),
 rectifierHighVoltage(115),
 rectifierLowVoltage(116),
 ventilationsSystemFailure(117),
 enclosureDoorOpen(118),
 explosiveGas(119),
 fire(120),
 flood(121),
 highHumidity(122),
 highTemperature(123),
 highWind(124),
 iceBuildUp(125),
 intrusionDetection(126),
 lowFuel(127),
 lowHumidity(128),
 lowCablePressure(129),
 lowTemperature(130),
 lowWater(131),
 smoke(132),
 toxicGas(133),
 coolingSystemFailure(134),
 externalEquipmentFailure(135),
 externalPointFailure(136),
 storageCapacityProblem(151),
 memoryMismatch(152),
 corruptData(153),
 outOfCPUCycles(154),
 sfwrEnvironmentProblem(155),
 sfwrDownloadFailure(156),
 lossOfRealTime(157),
 applicationSubsystemFailure(158),
 configurationOrCustomisationError(159),
 databaseInconsistency(160),
 fileError(161),
 outOfMemory(162),
 softwareError(163),
 timeoutExpired(164),
 underlyingResourceUnavailable(165),
 versionMismatch(166),
 bandwidthReduced(201),
 congestion(202),
 excessiveErrorRate(203),
 excessiveResponseTime(204),
 excessiveRetransmissionRate(205),
 reducedLoggingCapability(206),
 systemResourcesOverload(207),
 adapterError(500),
 applicationSubsystemFailure(501),
 bandwidthReducedX733(502),
 callEstablishmentError(503),

communicationsProtocolError(504),
communicationsSubsystemFailure(505),
configurationOrCustomizationError(506),
congestionX733(507),
corruptData(508),
cpuCyclesLimitExceeded(509),
dataSetOrModemError(510),
degradedSignalX733(511),
dteDceInterfaceError(512),
enclosureDoorOpenX733(513),
equipmentMalfunction(514),
excessiveVibration(515),
fileErrorX733(516),
fireDetected(517),
framingErrorX733(518),
heatingVentCoolingSystemProblem(519),
humidityUnacceptable(520),
inputOutputDeviceError(521),
inputDeviceError(522),
lanError(523),
leakDetected(524),
localNodeTransmissionErrorX733(525),
lossOfFrameX733(526),
lossOfSignalX733(527),
materialSupplyExhausted(528),
multiplexerProblemX733(529),
outOfMemoryX733(530),
ouputDeviceError(531),
performanceDegraded(532),
powerProblems(533),
pressureUnacceptable(534),
processorProblems(535),
pumpFailureX733(536),
queueSizeExceeded(537),
receiveFailureX733(538),
receiverFailureX733(539),
remoteNodeTransmissionErrorX733(540),
resourceAtOrNearingCapacity(541),
responseTimeExcessive(542),
retransmissionRateExcessive(543),
softwareErrorX733(544),
softwareProgramAbnormallyTerminated(545),
softwareProgramError(546),
storageCapacityProblemX733(547),
temperatureUnacceptable(548),
thresholdCrossed(549),
timingProblemX733(550),
toxicLeakDetected(551),
transmitFailureX733(552),
transmitterFailure(553),
underlyingResourceUnavailable(554),
versionMismatchX733(555),
authenticationFailure(600),
breachOfConfidentiality(601),
cableTamper(602),
delayedInformation(603),
denialOfService(604),
duplicateInformation(605),
informationMissing(606),
informationModificationDetected(607),

```

informationOutOfSequence(608),
keyExpired(609),
nonRepudiationFailure(610),
outOfHoursActivity(611),
outOfService(612),
proceduralError(613),
unauthorizedAccessAttempt(614),
unexpectedInformation(615),
other(1024)
}

```

RowStatus ::= INTEGER

```

{
  active(1),
  notInService(2),
  notReady(3),
  createAndGo(4),
  createAndWait(5),
  destroy(6)
}

```

OffOnValue ::= INTEGER

```

{
  invalid(0),
  off(1),
  on(2)
}

```

IpeMepId ::= INTEGER (1..128)

UsedNotusedValue ::= INTEGER

```

{
  invalid(0),
  notUsed(1),
  used(2)
}

```

EnableDisableValue ::= INTEGER

```

{
  invalid(0),
  disable(1),
  enable(2)
}

```

ReportNotreportValue ::= INTEGER

```

{
  invalid(0),
  notReport(1),
  report(2)
}

```

IpeVlanIndex ::= INTEGER (1..4094)

MacAddress ::= OCTET STRING (SIZE (6))

ValidInvalidValue ::= INTEGER

```

{
  invalid(0),
  valid(1)
}

```

```

IpeStatsInfo ::= INTEGER
{
    invalid(0),
    validNoMaint(1),
    validMaint(2),
    invalidNoMaint(3),
    invalidMaint(4)
}

```

```

TruthValue ::= INTEGER
{
    true(1),
    false(2)
}

```

```
--
```

```
-- Node definitions
```

```
--
```

```

-- 1.3.6.1.4.1.119
nec OBJECT IDENTIFIER ::= { enterprises 119 }

```

```

-- 1.3.6.1.4.1.119.2
nec-mib OBJECT IDENTIFIER ::= { nec 2 }

```

```

-- 1.3.6.1.4.1.119.2.3
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501
pasoNeolpe-common OBJECT IDENTIFIER ::= { ipasolink200 501 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1
summaryGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1
alarmSummaryGroup OBJECT IDENTIFIER ::= { summaryGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1
alarmSummaryCommonInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AlarmSummaryCommonInfoEntry

```

```

ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    "Alarm Summary Table.
    Alarm Summary objects represents the maximum severity value of
    raised alarms of the entity."
::= { alarmSummaryGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1
alarmSummaryCommonInfoEntry OBJECT-TYPE
    SYNTAX AlarmSummaryCommonInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { alarmSummaryCommonInfoNEAddress, alarmSummaryCommonInfoIndex }
    ::= { alarmSummaryCommonInfoTable 1 }

```

```

AlarmSummaryCommonInfoEntry ::=
    SEQUENCE {
        alarmSummaryCommonInfoIndex
            INTEGER,
        alarmSummaryCommonInfoNEAddress
            IpAddress,
        alarmTotalSummary
            SeverityValue,
        alarmIdUSummary
            SeverityValue,
        alarmCtrlSummary
            SeverityValue,
        alarmOduSummary
            SeverityValue,
        alarmAuxInputSummary
            SeverityValue,
        alarmPmonTcnSummary
            SeverityValue,
        alarmRmonTcnSummary
            SeverityValue,
        alarmRmonTcnCtrlSummary
            SeverityValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.1
alarmSummaryCommonInfoIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table"
    ::= { alarmSummaryCommonInfoEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.2
alarmSummaryCommonInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

        "reserved"
    ::= { alarmSummaryCommonInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.3
alarmTotalSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Total Summary Alarm."
    ::= { alarmSummaryCommonInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.4
alarmIduSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IDU Summary Alarm."
    ::= { alarmSummaryCommonInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.5
alarmCtrlSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Summary Alarm (including Equipment clock
        alarms)"
    ::= { alarmSummaryCommonInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.6
alarmOduSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Summary Alarm."
    ::= { alarmSummaryCommonInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.7
alarmAuxInputSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AUX Input Summary Alarm."
    ::= { alarmSummaryCommonInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.8
alarmPmonTcnSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    "PMON TCN Summary Alarm."
::= { alarmSummaryCommonInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.9
alarmRmonTcnSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON TCN Summary Alarm."
    ::= { alarmSummaryCommonInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.1.1.10
alarmRmonTcnCtrlSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON TCN Main Board / Ctrl Card Summary Alarm."
    ::= { alarmSummaryCommonInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2
alarmSummaryIduGroup OBJECT IDENTIFIER ::= { alarmSummaryGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.1
alarmSummaryIduSlotInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AlarmSummaryIduSlotInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm Summary per IDU Slot."
    ::= { alarmSummaryIduGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.1.1
alarmSummaryIduSlotInfoEntry OBJECT-TYPE
    SYNTAX AlarmSummaryIduSlotInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { alarmSummaryIduSlotInfoNEAddress, alarmSummaryIduSlotInfoIndex }
    ::= { alarmSummaryIduSlotInfoTable 1 }

AlarmSummaryIduSlotInfoEntry ::=
    SEQUENCE {
        alarmSummaryIduSlotInfoIndex
            INTEGER,
        alarmSummaryIduSlotInfoNEAddress
            IpAddress,
        alarmIduSlotSummary
            SeverityValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.1.1.1
alarmSummaryIduSlotInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryIduSlotInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.1.1.2
alarmSummaryIduSlotInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { alarmSummaryIduSlotInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.1.1.3
alarmIduSlotSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IDU Slot Summary Alarm. the maximum severity value of raised
        alarms per slot."
    ::= { alarmSummaryIduSlotInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.2
alarmSummaryIduSwGrpInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AlarmSummaryIduSwGrpInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm Summary per MODEM Switch group."
    ::= { alarmSummaryIduGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.2.1
alarmSummaryIduSwGrpInfoEntry OBJECT-TYPE
    SYNTAX AlarmSummaryIduSwGrpInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { alarmSummaryIduSwGrpInfoNEAddress, alarmSummaryIduSwGrpInfoIndex }
    ::= { alarmSummaryIduSwGrpInfoTable 1 }

AlarmSummaryIduSwGrpInfoEntry ::=
    SEQUENCE {
        alarmSummaryIduSwGrpInfoIndex
            INTEGER,
        alarmSummaryIduSwGrpInfoNEAddress
            IpAddress,
        alarmIduSwGrpSummary
            SeverityValue
    }

```



```

    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.2.1.1
alarmSummaryIdSwGrpInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryIdSwGrpInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.2.1.2
alarmSummaryIdSwGrpInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { alarmSummaryIdSwGrpInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.2.2.1.3
alarmIdSwGrpSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IDU SW Group Summary Alarm. the maximum severity value of raised
        alarms per MODEM Switch group."
    ::= { alarmSummaryIdSwGrpInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.3
alarmSummaryOduInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AlarmSummaryOduInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm Summary per ODU."
    ::= { alarmSummaryGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.3.1
alarmSummaryOduInfoEntry OBJECT-TYPE
    SYNTAX AlarmSummaryOduInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { alarmSummaryOduInfoNEAddress, alarmSummaryOduInfoIndex }
    ::= { alarmSummaryOduInfoTable 1 }

AlarmSummaryOduInfoEntry ::=
    SEQUENCE {
        alarmSummaryOduInfoIndex
            INTEGER,
        alarmSummaryOduInfoNEAddress
            IpAddress,

```

```

        alarmOduEachSummary
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.3.1.1
alarmSummaryOduInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table"
    ::= { alarmSummaryOduInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.3.1.2
alarmSummaryOduInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { alarmSummaryOduInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.3.1.3
alarmOduEachSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Each Summary Alarm. the maximum severity value of raised
        alarms per ODU."
    ::= { alarmSummaryOduInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.4
alarmSummaryPmonTcnInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AlarmSummaryPmonTcnInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm Summay of Threshold Crossing Alarms per Slot."
    ::= { alarmSummaryGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.4.1
alarmSummaryPmonTcnInfoEntry OBJECT-TYPE
    SYNTAX AlarmSummaryPmonTcnInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { alarmSummaryPmonTcnInfoNEAddress, alarmSummaryPmonTcnInfoIndex }
    ::= { alarmSummaryPmonTcnInfoTable 1 }

AlarmSummaryPmonTcnInfoEntry ::=
    SEQUENCE {
        alarmSummaryPmonTcnInfoIndex
        INTEGER,

```

```

        alarmSummaryPmonTcnInfoNEAddress
            IpAddress,
        alarmPmonTcnSlotSummary
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.4.1.1
alarmSummaryPmonTcnInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryPmonTcnInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.4.1.2
alarmSummaryPmonTcnInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { alarmSummaryPmonTcnInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.4.1.3
alarmPmonTcnSlotSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON (TCN) Slot Summary Alarm. the maximum severity value of
        raised Threshold Crossing Alarms per slot."
    ::= { alarmSummaryPmonTcnInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.5
alarmSummaryCtrlInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AlarmSummaryCtrlInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm Summary of Main Board or Ctrl Card."
    ::= { alarmSummaryGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.5.1
alarmSummaryCtrlInfoEntry OBJECT-TYPE
    SYNTAX AlarmSummaryCtrlInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { alarmSummaryEoamInfoNEAddress, alarmSummaryEoamInfoIndex }
    ::= { alarmSummaryCtrlInfoTable 1 }

AlarmSummaryCtrlInfoEntry ::=
    SEQUENCE {

```

```

        alarmSummaryEoamInfoIndex
            INTEGER,
        alarmSummaryEoamInfoNEAddress
            IpAddress,
        alarmEoamSummary
            SeverityValue,
        alarmRmonEoamSummary
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.5.1.1
alarmSummaryEoamInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryCtrlInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.5.1.2
alarmSummaryEoamInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { alarmSummaryCtrlInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.5.1.3
alarmEoamSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-OAM Summary Alarm. the maximum severity value of raised
        alarms which are related to EtherOAM functions."
    ::= { alarmSummaryCtrlInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.5.1.4
alarmRmonEoamSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON ETH-OAM Summary Alarm. The maximum severity value of raised
        alarms which are related to EtherOAM Threshold Crossing Alarms."
    ::= { alarmSummaryCtrlInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.6
alarmSummaryRmonTcnInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AlarmSummaryRmonTcnInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm summary of RMON Threshold Crossing Alarms per slot."
    ::= { alarmSummaryGroup 6 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.6.1
alarmSummaryRmonTcnInfoEntry OBJECT-TYPE
    SYNTAX AlarmSummaryRmonTcnInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { alarmSummaryRmonTcnInfoNEAddress, alarmSummaryRmonTcnInfoIndex }
    ::= { alarmSummaryRmonTcnInfoTable 1 }
```

```
AlarmSummaryRmonTcnInfoEntry ::=
    SEQUENCE {
        alarmSummaryRmonTcnInfoIndex
            INTEGER,
        alarmSummaryRmonTcnInfoNEAddress
            IpAddress,
        alarmRmonTcnSlotSummary
            SeverityValue
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.6.1.1
alarmSummaryRmonTcnInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryRmonTcnInfoEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.6.1.2
alarmSummaryRmonTcnInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { alarmSummaryRmonTcnInfoEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.1.1.6.1.3
alarmRmonTcnSlotSummary OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON (TCN) Slot Summary Alarm. The maximum value of raised
        alarms which are related RMON Threshold Crossing Alarm."
    ::= { alarmSummaryRmonTcnInfoEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2
trapGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1
ipeTrapCommon OBJECT IDENTIFIER ::= { trapGroup 1 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.1
ipeTrapCommonVars OBJECT IDENTIFIER ::= { ipeTrapCommon 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.1.1
eventTotalCount OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The total count of SNMP TRAP/INFORM messages since this
        equipment was booted"
    ::= { ipeTrapCommonVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.1.2
eventCount OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The count of SNMP TRAP/INFORM messages per event type
        (alarm/status/control) since this equipment was booted."
    ::= { ipeTrapCommonVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.1.3
eventTime OBJECT-TYPE
    SYNTAX DateAndTime
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The local date and time when the TRAP/INFORM event occurred."
    ::= { ipeTrapCommonVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.1.4
eventType OBJECT-TYPE
    SYNTAX INTEGER
        {
            alarmStateChage(1),
            statusChange(2),
            controlEvent(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The event type of TRAP/INFORM message."
    ::= { ipeTrapCommonVars 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.1.5
eventResourceID OBJECT-TYPE
    SYNTAX OBJECT IDENTIFIER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The OBJECT IDENTIFIER of the object which raised the event."

```

```

::= { ipeTrapCommonVars 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.2
ipeTrapCommonAdditionalVars OBJECT IDENTIFIER ::= { ipeTrapCommon 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.2.1
eventAdditionalText1 OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Additional Information about the TRAP/INFORM event."
    ::= { ipeTrapCommonAdditionalVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.2.2
eventAdditionalText2 OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Additional Information about the TRAP/INFORM event."
    ::= { ipeTrapCommonAdditionalVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.2.3
eventAdditionalText3 OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Additional Information about the TRAP/INFORM event."
    ::= { ipeTrapCommonAdditionalVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.2.4
eventAdditionalText4 OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Additional Information about the TRAP/INFORM event."
    ::= { ipeTrapCommonAdditionalVars 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.2.5
eventAdditionalText5 OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Additional Information about the TRAP/INFORM event."
    ::= { ipeTrapCommonAdditionalVars 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.3
ipeTrapAlarmVars OBJECT IDENTIFIER ::= { ipeTrapCommon 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.3.1
eventSeverity OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Severity value of notified alarm event."
    ::= { ipeTrapAlarmVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.3.2
eventAlarmType OBJECT-TYPE
    SYNTAX AlarmTypeValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Represents the X.733 based event type value for the alarms."
    ::= { ipeTrapAlarmVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.3.3
eventProbableCause OBJECT-TYPE
    SYNTAX ProbableCauseValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Represents the X.733 based probable cause value for the alarms."
    ::= { ipeTrapAlarmVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.4
ipeTrapStatusValueVars OBJECT IDENTIFIER ::= { ipeTrapCommon 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.4.1
eventStatusValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the changed value of status object whose syntax is integer.
        Event object is represented by 'eventResourceID'"
    ::= { ipeTrapStatusValueVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.4.2
eventStatusValueDspStr OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the changed value of status object whose syntax is DISPLAY
        STRING. Event object is represented by 'eventResourceID'"
    ::= { ipeTrapStatusValueVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.4.3
eventStatusValueOctStr OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (32))

```



```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "the changed value of status object whose syntax is OCTET STRING.
    Event object is represented by 'eventResourceID'"
::= { ipeTrapStatusValueVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.4.4
eventStatusValueUnsigned32 OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the changed value of status object whose syntax is unsigned32.
        Event object is represented by 'eventResourceID'"
    ::= { ipeTrapStatusValueVars 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.5
ipeTrapControlValueVars OBJECT IDENTIFIER ::= { ipeTrapCommon 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.5.1
eventControlValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the changed value of control event whose syntax is integer32.
        Event object is represented by 'eventResourceID'"
    ::= { ipeTrapControlValueVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.5.2
eventControlValueDspStr OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the changed value of control event whose syntax is DISPLAY
        STRING. Event object is represented by 'eventResourceID'"
    ::= { ipeTrapControlValueVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.5.3
eventControlValueOctStr OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the changed value of control event whose syntax is OCTET STRING.
        Event object is represented by 'eventResourceID'"
    ::= { ipeTrapControlValueVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.5.4
eventControlValueUnsigned32 OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "the changed value of control event whose syntax is Unsigned32.
    Event object is represented by 'eventResourceID'"
::= { ipeTrapControlValueVars 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.6
ipeTrapControlVars OBJECT IDENTIFIER ::= { ipeTrapCommon 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.6.1
eventRecordUserName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the user name who triggered the control event. In SNMPv1/v2
        cases, this object reports 'unknown' unless 'ipeAccessUserName'
        is set within the SNMP SET PDU.
        In SNMPv3 cases, this object reports user name which is specified
        in SET-REQUEST."
    ::= { ipeTrapControlVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.6.2
eventRecordAccessType OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            nms(1),
            webLct(2),
            cli(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the access type which triggered the control event. This object
        reports 'nms' unless 'ipeAccessType' is set within the SNMP SET
        PDU. Otherwise this object reports the same value of
        'ipeAccessType'."
    ::= { ipeTrapControlVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.6.3
eventRecordAccessFrom OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "the ip address which triggered the control event. The ip address
        is normally recognized by source ip address of SET-REQUEST. But
        when 'ipeAccessFrom' is set in the SET-REQUEST, this object
        reports same value of 'ipeAccessFrom'."
    ::= { ipeTrapControlVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.7
ipeTrapFileDownloadValueVars OBJECT IDENTIFIER ::= { ipeTrapCommon 7 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.7.1
eventDownloadModule OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Represents download module type which triggered download event.
        The type values are same as 'ipeSysOpFileDownloadModule'."
    ::= { ipeTrapFileDownloadValueVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.7.2
eventDownloadStatus OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Represents download status. The status values are same as
        'ipeSysOpFileDownloadStatus'."
    ::= { ipeTrapFileDownloadValueVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.7.3
eventUpdateDetail OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Represents download file name which is specified by
        'ipeFsUpdateFileDetail'."
    ::= { ipeTrapFileDownloadValueVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.1.7.4
eventUpdateStatus OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Represents download file progress. The value is same as
        'ipeFsUpdateFileStatus'."
    ::= { ipeTrapFileDownloadValueVars 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.3
ipeTrapItemVar OBJECT IDENTIFIER ::= { trapGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.3.1
ipeAlarmTrapItemVar OBJECT IDENTIFIER ::= { ipeTrapItemVar 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.3.2
ipeStatusTrapItemVar OBJECT IDENTIFIER ::= { ipeTrapItemVar 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.3.3
ipeControlTrapItemVar OBJECT IDENTIFIER ::= { ipeTrapItemVar 3 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.3.4
ipeFileDownloadTrapItemVar OBJECT IDENTIFIER ::= { ipeTrapItemVar 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4
ipeEventGroup OBJECT IDENTIFIER ::= { trapGroup 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.1
eventTable OBJECT-TYPE
    SYNTAX SEQUENCE OF EventEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table represents trap counter value of each event type."
    ::= { ipeEventGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.1.1
eventEntry OBJECT-TYPE
    SYNTAX EventEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { eventNEAddress, eventIndex }
    ::= { eventTable 1 }
```

```
EventEntry ::=
    SEQUENCE {
        eventIndex
            INTEGER,
        eventNEAddress
            IpAddress,
        eventDescription
            DisplayString,
        eventCounter
            Counter,
        eventLastTime
            DateAndTime
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.1.1.1
eventIndex OBJECT-TYPE
    SYNTAX INTEGER
        {
            alarmStateChage(1),
            statusChange(2),
            controlEvent(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { eventEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.1.1.2
```

```

eventNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { eventEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.1.1.3
eventDescription OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A textual string information about the event."
    ::= { eventEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.1.1.4
eventCounter OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The count of SNMP TRAP/INFORM messages per event type
        (alarm/status/control) since this equipment was booted."
    ::= { eventEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.1.1.5
eventLastTime OBJECT-TYPE
    SYNTAX DateAndTime
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The date and time when this event type was last updated."
    ::= { eventEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2
eventTypeTable OBJECT-TYPE
    SYNTAX SEQUENCE OF EventTypeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table represents event information."
    ::= { ipeEventGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2.1
eventTypeEntry OBJECT-TYPE
    SYNTAX EventTypeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { eventTypeNEAddress, eventTypeIndex }
    ::= { eventTypeTable 1 }

```

```

EventTypeEntry ::=
  SEQUENCE {
    eventTypeIndex
      INTEGER,
    eventTypeSourceCategory
      INTEGER,
    eventTypeElemId
      INTEGER,
    eventTypeNEAddress
      IpAddress,
    eventTypeTrapId
      INTEGER,
    eventTypeDescription
      DisplayString,
    eventTypeRowStatus
      RowStatus
  }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2.1.1
eventTypeIndex OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "index of this table. The value is same as 'eventType'."
  ::= { eventTypeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2.1.2
eventTypeSourceCategory OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS not-accessible
  STATUS mandatory
  DESCRIPTION
    "Index of this table. This object represents category of
    generator of the event."
  ::= { eventTypeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2.1.3
eventTypeElemId OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS not-accessible
  STATUS mandatory
  DESCRIPTION
    "Index of this table. Administrative index value of the event
    which is uniquely identified among the eventTypeSourceCategory."
  ::= { eventTypeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2.1.4
eventTypeNEAddress OBJECT-TYPE
  SYNTAX IpAddress
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "reserved."
  ::= { eventTypeEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2.1.5
eventTypeTrapId OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Represents event type id same as eventTypeIndex. This object
        indicates which counter will be incremented when this event
        occurs."
    ::= { eventTypeEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2.1.6
eventTypeDescription OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A Textual string information about the event."
    ::= { eventTypeEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.4.2.1.7
eventTypeRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RowStatus of this table. This table is created automatically
        when the agent starts, and cannot create or destroy from
        manager."
    ::= { eventTypeEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.5
ipeTrapStatusGroup OBJECT IDENTIFIER ::= { trapGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.5.1
ipeTrapCounterTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IpeTrapCounterEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table represents event total count."
    ::= { ipeTrapStatusGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.5.1.1
ipeTrapCounterEntry OBJECT-TYPE
    SYNTAX IpeTrapCounterEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { ipeTrapTotalCounterNEAddress, ipeTrapCounterIndex }
    ::= { ipeTrapCounterTable 1 }

```

```

IpeTrapCounterEntry ::=
    SEQUENCE {
        ipeTrapCounterIndex
            INTEGER,
        ipeTrapTotalCounterNEAddress
            IpAddress,
        ipeTrapTotalCounter
            Counter
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.5.1.1.1
ipeTrapCounterIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { ipeTrapCounterEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.5.1.1.2
ipeTrapTotalCounterNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { ipeTrapCounterEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.2.5.1.1.3
ipeTrapTotalCounter OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "represents total counter value which counts all event type of
        TRAP/INFORM messages."
    ::= { ipeTrapCounterEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3
alarmStatusGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1
asOduGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1
oduGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF OduGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table represents alarm and status information."
    ::= { asOduGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1

```



```

oduGroupEntry OBJECT-TYPE
    SYNTAX OduGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { oduGroupNEAddress, oduGroupIfIndex }
    ::= { oduGroupTable 1 }

```

```

OduGroupEntry ::=
    SEQUENCE {
        oduGroupIfIndex
            InterfaceIndex,
        oduGroupNEAddress
            IpAddress,
        oduAlarm
            SeverityValue,
        txPowerAlarm
            SeverityValue,
        txInputAlarm
            SeverityValue,
        rxLevelAlarm
            SeverityValue,
        cpuCableOpenAlarm
            SeverityValue,
        loRefAlarm
            SeverityValue,
        muteStatus
            OffOnValue,
        oduPsAlarm
            SeverityValue,
        oduPsSetStatus
            OffOnValue,
        oduTypeMismatch
            SeverityValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.1
oduGroupIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { oduGroupEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.2
oduGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { oduGroupEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.3
oduAlarm OBJECT-TYPE

```

```

SYNTAX SeverityValue
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "ODU Alarm."
::= { oduGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.4
txPowerAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU TX Power Alarm."
    ::= { oduGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.5
txInputAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU TX Input Alarm."
    ::= { oduGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.6
rxLevelAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU RX Level Alarm."
    ::= { oduGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.7
cpuCableOpenAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU CPU / Cable Open Alarm."
    ::= { oduGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.8
loRefAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU LO REF Alarm"
    ::= { oduGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.9
muteStatus OBJECT-TYPE

```

```

SYNTAX OffOnValue
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "ODU mute status."
::= { oduGroupEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.10
oduPsAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Power Supply Alarm"
    ::= { oduGroupEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.11
oduPsSetStatus OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Power Supply Status."
    ::= { oduGroupEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.1.1.12
oduTypeMismatch OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Type Mismatch Alarm."
    ::= { oduGroupEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.2
oduSwGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF OduSwGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table represents ODU Switch Group Status."
    ::= { asOduGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.2.1
oduSwGroupEntry OBJECT-TYPE
    SYNTAX OduSwGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { oduSwGroupNEAddress, oduSwGroupIfIndex }
    ::= { oduSwGroupTable 1 }

OduSwGroupEntry ::=

```

```

SEQUENCE {
    oduSwGroupIfIndex
        InterfaceIndex,
    oduSwGroupNEAddress
        IpAddress,
    txSWStatus
        INTEGER,
    rxSWStatus
        INTEGER,
    txSWLockInStatus
        INTEGER,
    txSwReverseReqRecvStatus
        INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.2.1.1
oduSwGroupIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { oduSwGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.2.1.2
oduSwGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { oduSwGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.2.1.3
txSWStatus OBJECT-TYPE
    SYNTAX INTEGER
    {
        no1(1),
        no2(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU TX SW Status"
    ::= { oduSwGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.2.1.4
rxSWStatus OBJECT-TYPE
    SYNTAX INTEGER
    {
        no1(1),
        no2(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU RX SW Status"

```

```

::= { oduSwGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.2.1.5
txSWLockInStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            lockin(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM TX SW Lock-in Status"
    ::= { oduSwGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.1.2.1.6
txSwReverseReqRecvStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            received(2),
            execute(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM TX SW Reverse Request Status."
    ::= { oduSwGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2
asModemGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1
modemGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ModemGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table represents MODEM Alarm Status information."
    ::= { asModemGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1
modemGroupEntry OBJECT-TYPE
    SYNTAX ModemGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { modemGroupNEAddress, modemGroupIfIndex }
    ::= { modemGroupTable 1 }

ModemGroupEntry ::=
    SEQUENCE {
        modemGroupIfIndex

```

```

        InterfaceIndex,
        modemGroupNEAddress
        IpAddress,
    lof
        SeverityValue,
    frameID
        SeverityValue,
    highBERAlarm
        SeverityValue,
    lowBERAlarm
        SeverityValue,
    earlyWarningAlarm
        SeverityValue,
    modAlarm
        SeverityValue,
    ifCableShortAlarm
        SeverityValue,
    atpcPowerMode
        INTEGER,
    inPhaseStatus
        INTEGER,
    txModulation
        INTEGER,
    rxModulation
        INTEGER,
    l2SyncLossAlarm
        SeverityValue,
    rdiAlarm
        SeverityValue,
    uaeAlarm
        SeverityValue,
    unlocked
        SeverityValue,
    tempAlarm
        SeverityValue,
    tdmRangeMismatch
        SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.1
modemGroupIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table"
    ::= { modemGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.2
modemGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { modemGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.3

```

```

lof OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM LOF Alarm"
    ::= { modemGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.4
frameID OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM Frame ID Alarm"
    ::= { modemGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.5
highBERAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM High BER Alarm."
    ::= { modemGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.6
lowBERAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM Low BER Alarm."
    ::= { modemGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.7
earlyWarningAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM Early Warning Alarm"
    ::= { modemGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.8
modAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM MOD Alarm"
    ::= { modemGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.9

```

```

ifCableShortAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM IF Cable Short Alarm"
    ::= { modemGroupEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.10
atpcPowerMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        stop(1),
        active(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM ATPC Power Mode Status"
    ::= { modemGroupEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.11
inPhaseStatus OBJECT-TYPE
    SYNTAX INTEGER
    {
        inphase(1),
        outphase(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM Inphase Status"
    ::= { modemGroupEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.13
txModulation OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        qpsk(1),
        qam16(2),
        qam32(3),
        qam64(4),
        qam128(5),
        qam256(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM TX Modulation Status"
    ::= { modemGroupEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.14
rxModulation OBJECT-TYPE
    SYNTAX INTEGER
    {

```



```

        invalid(0),
        qpsk(1),
        qam16(2),
        qam32(3),
        qam64(4),
        qam128(5),
        qam256(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM RX Modulation Status."
    ::= { modemGroupEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.15
l2SyncLossAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM L2SYNC Loss Alarm."
    ::= { modemGroupEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.16
rdiAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM RDI Alarm"
    ::= { modemGroupEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.17
uaeAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM UAE Alarm"
    ::= { modemGroupEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.18
unlocked OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM Unlocked Alarm"
    ::= { modemGroupEntry 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.19
tempAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS deprecated

```

```

DESCRIPTION
    "MODEM Temperature Alarm"
    ::= { modemGroupEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.1.1.20
tdmRangeMismatch OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM TDM / AMR Range Mismatch Alarm"
    ::= { modemGroupEntry 20 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.2
modemXpicTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ModemXpicEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents XPIC Alarm and Status"
    ::= { asModemGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.2.1
modemXpicEntry OBJECT-TYPE
    SYNTAX ModemXpicEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { modemXpicNEAddress, modemXpicIfIndex }
    ::= { modemXpicTable 1 }

ModemXpicEntry ::=
    SEQUENCE {
        modemXpicIfIndex
            InterfaceIndex,
        modemXpicNEAddress
            IpAddress,
        xpicTypeMismatch
            SeverityValue,
        xpicUnavailCapacity
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.2.1.1
modemXpicIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table"
    ::= { modemXpicEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.2.1.2
modemXpicNEAddress OBJECT-TYPE

```

```

SYNTAX IpAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "reserved."
::= { modemXpicEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.2.1.4
xpicTypeMismatch OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM XPIC Mode Mismatch Alarm."
    ::= { modemXpicEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.2.1.5
xpicUnavailCapacity OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    ::= { modemXpicEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.3
modemCardTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ModemCardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents MODEM Card Alarm Status."
    ::= { asModemGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.3.1
modemCardEntry OBJECT-TYPE
    SYNTAX ModemCardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { modemCardNEAddress, modemCardIndex }
    ::= { modemCardTable 1 }

ModemCardEntry ::=
    SEQUENCE {
        modemCardIndex
            INTEGER,
        modemCardNEAddress
            IpAddress,
        modemComFailAlarm
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.3.1.1
modemCardIndex OBJECT-TYPE
    SYNTAX INTEGER

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Index of this table."
::= { modemCardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.3.1.2
modemCardNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { modemCardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.3.1.3
modemComFailAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM Communication FAIL Alarm."
    ::= { modemCardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.4
asModemHeaderCompressTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsModemHeaderCompressEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Header Compression Function Status.
        This table is created automatically when the Modem Card is
        provisioned, if the F/W supports the new Header Compression
        function."
    ::= { asModemGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.4.1
asModemHeaderCompressEntry OBJECT-TYPE
    SYNTAX AsModemHeaderCompressEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asModemHeaderCompressNEAddress, asModemHeaderCompressIfIndex }
    ::= { asModemHeaderCompressTable 1 }

AsModemHeaderCompressEntry ::=
    SEQUENCE {
        asModemHeaderCompressIfIndex
            InterfaceIndex,
        asModemHeaderCompressNEAddress
            IpAddress,
        asModemHeaderCompressMismatch
            SeverityValue,
        asModemHeaderCompressCurrentMode

```

```

        INTEGER,
        asModemHeaderCompressVersion
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.4.1.1
asModemHeaderCompressIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asModemHeaderCompressEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.4.1.2
asModemHeaderCompressNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asModemHeaderCompressEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.4.1.3
asModemHeaderCompressMismatch OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Header Compression Mismatch Alarm.
        If the configuration of local and remote header compression mode
        is different, the alarm will be reported."
    ::= { asModemHeaderCompressEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.4.1.4
asModemHeaderCompressCurrentMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        disable(1),
        mac(2),
        macWithIpv4(3),
        macWithIpv6(4),
        macWithMpls(5),
        enhancedMacWithIpv4(6),
        enhancedMacWithIpv6(7),
        enhancedMacWithMpls(8)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Current Header Compression Mode.
        This value shows same value as 'provModemHeaderCompressMode'
        usually. But the value will be different from
        'provModemHeaderCompressMode', when the new Header Compression
        Function is configured to the old Modem Card (which does not have

```

```

        new Header Compression capabilities)"
    ::= { asModemHeaderCompressEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.4.1.5
asModemHeaderCompressVersion OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The version of Header Compression Function.
        '2' means the new Header Compression is supported.
        '1' means the new Header Compression is not supported. (license
        is not installed or Modem card does not have the capability)"
    ::= { asModemHeaderCompressEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.5
asModemHeaderCompressRemoteTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsModemHeaderCompressRemoteEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Remote Modem Header Compression Function Status.
        This table is created automatically when the Modem Card is
        provisioned, if the F/W supports the new Header Compression
        function."
    ::= { asModemGroup 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.5.1
asModemHeaderCompressRemoteEntry OBJECT-TYPE
    SYNTAX AsModemHeaderCompressRemoteEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asModemHeaderCompressRemoteNEAddress,
asModemHeaderCompressRemotelfIndex }
    ::= { asModemHeaderCompressRemoteTable 1 }

```

```

AsModemHeaderCompressRemoteEntry ::=
    SEQUENCE {
        asModemHeaderCompressRemotelfIndex
            InterfaceIndex,
        asModemHeaderCompressRemoteNEAddress
            IpAddress,
        asModemHeaderCompressRemoteMode
            INTEGER,
        asModemHeaderCompressRemoteVlanMode
            INTEGER,
        asModemHeaderCompressRemoteVersion
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.5.1.1
asModemHeaderCompressRemotelfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex

```

```

ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    "Index of this table."
::= { asModemHeaderCompressRemoteEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.5.1.2
asModemHeaderCompressRemoteNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asModemHeaderCompressRemoteEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.5.1.3
asModemHeaderCompressRemoteMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        disable(1),
        mac(2),
        macWithIpv4(3),
        macWithIpv6(4),
        macWithMpls(5),
        enhancedMacWithIpv4(6),
        enhancedMacWithIpv6(7),
        enhancedMacWithMpls(8),
        unknown(99)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Header Compression Mode of Remote Modem.
        When the Radio link is not established, the value will be changed
        to 'unknown'."
    ::= { asModemHeaderCompressRemoteEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.5.1.4
asModemHeaderCompressRemoteVlanMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        dot1q(1),
        dot1ad(2),
        unknown(99)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN Mode of Remote equipment.
        When the Radio link is not established, the object will show the
        value 'unknown'."
    ::= { asModemHeaderCompressRemoteEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.2.5.1.5

```

```

asModemHeaderCompressRemoteVersion OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The version of Header Compression Function for the Remote Modem.
        '2' means the new Header Compression is supported.
        '1' means the new Header Compression is not supported. (license
        is not installed or Modem card does not have the capability)

        When the Radio link is not established, the object will return
        '99'.
        If the object returns other value, the local node cannot
        recognize the received value from remote node."
    ::= { asModemHeaderCompressRemoteEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3
asCtrlGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1
ctrlGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF CtrlGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Main Board/Ctrl Card Alarm and Status"
    ::= { asCtrlGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1
ctrlGroupEntry OBJECT-TYPE
    SYNTAX CtrlGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { ctrlGroupNEAddress, ctrlGroupIndex }
    ::= { ctrlGroupTable 1 }

```

```

CtrlGroupEntry ::=
    SEQUENCE {
        ctrlGroupIndex
            INTEGER,
        ctrlGroupNEAddress
            IpAddress,
        ctrlAlarm
            SeverityValue,
        usbFailure
            SeverityValue,
        svLineAlarm
            SeverityValue,
        iduCpuAlarm
            SeverityValue,
        maintenance
            OffOnValue,
        busError
            SeverityValue,

```



```

        memoryFailure
            SeverityValue,
        clk2mMount
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.1
ctrlGroupIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table"
    ::= { ctrlGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.2
ctrlGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { ctrlGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.3
ctrlAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Module Alarm"
    ::= { ctrlGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.4
usbFailure OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card USB FAIL Alarm"
    ::= { ctrlGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.5
svLineAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card SV Line Alarm"
    ::= { ctrlGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.6
iduCpuAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "Main Board / Ctrl Card IDU CPU Alarm"
::= { ctrlGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.8
maintenance OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Maintenance Status.
        This object shows that some maintenance functions are performed
        under that equipment."
    ::= { ctrlGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.9
busError OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Bus Error Alarm."
    ::= { ctrlGroupEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.10
memoryFailure OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Memory FAIL Alarm."
    ::= { ctrlGroupEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.1.1.11
clk2mMount OBJECT-TYPE
    SYNTAX INTEGER
        {
            unmount(1),
            mount(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK Mount Status."
    ::= { ctrlGroupEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2
sncpGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF SncpGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents E1 SNCP Status."
    ::= { asCtrlGroup 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2.1

sncpGroupEntry OBJECT-TYPE

SYNTAX SncpGroupEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { sncpGroupNEAddress, sncpGroupIndex }

::= { sncpGroupTable 1 }

SncpGroupEntry ::=

SEQUENCE {

sncpGroupIndex

INTEGER,

sncpGroupNEAddress

IpAddress,

ppsFail

SeverityValue,

sncpProtectionStatusCh1

INTEGER,

sncpProtectionStatusCh2

INTEGER,

sncpOnlineStatus

INTEGER,

sncpSwStatus

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2.1.1

sncpGroupIndex OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. The table is created per each XC including
Work/Protection E1 channel pair."

::= { sncpGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2.1.2

sncpGroupNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved"

::= { sncpGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2.1.3

ppsFail OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Main Board / Ctrl Card PPS FAIL Alarm."

::= { sncpGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2.1.4

sncpProtectionStatusCh1 OBJECT-TYPE

SYNTAX INTEGER

```
{
  fs(1),
  sf(2),
  sd(3),
  ms(4),
  nr(5)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Main Board / Ctrl Card SNCP Protection Status for Channel 1"

::= { sncpGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2.1.5

sncpProtectionStatusCh2 OBJECT-TYPE

SYNTAX INTEGER

```
{
  fs(1),
  sf(2),
  sd(3),
  ms(4),
  nr(5)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Main Board / Ctrl Card SNCP Protection Status for Channel 2"

::= { sncpGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2.1.6

sncpOnlineStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
  work(1),
  protection(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Main Board / Ctrl Card SNCP Online Status."

::= { sncpGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.3.2.1.7

sncpSwStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
  no1(1),
  no2(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

```

        "Main Board / Ctrl Card SNCP Switch Status."
        ::= { sncpGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.4
asAuxGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.4.1
auxGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AuxGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents AUX Card Alarm / Status."
    ::= { asAuxGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.4.1.1
auxGroupEntry OBJECT-TYPE
    SYNTAX AuxGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { auxGroupNEAddress, auxGroupIndex }
    ::= { auxGroupTable 1 }

AuxGroupEntry ::=
    SEQUENCE {
        auxGroupIndex
            INTEGER,
        auxGroupNEAddress
            IpAddress,
        auxUnequipped
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.4.1.1.1
auxGroupIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { auxGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.4.1.1.2
auxGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { auxGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.4.1.1.3

```

```

auxUnequipped OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AUX Unequipped Alarm"
    ::= { auxGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5
asClkGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1
clkCommonTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ClkCommonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Main Board / Ctrl Card CLK Status."
    ::= { asClkGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1
clkCommonEntry OBJECT-TYPE
    SYNTAX ClkCommonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { clkCommonNEAddress, clkCommonIndex }
    ::= { clkCommonTable 1 }

ClkCommonEntry ::=
    SEQUENCE {
        clkCommonIndex
            INTEGER,
        clkCommonNEAddress
            IpAddress,
        ltiAlarm
            SeverityValue,
        refClkChange
            INTEGER,
        extClkLoop
            SeverityValue,
        currentTimingSource
            INTEGER,
        timingSourceCondition
            INTEGER,
        timingSourceControlStatus
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1.1
clkCommonIndex OBJECT-TYPE
    SYNTAX INTEGER { clk(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

"Index of this table. The value is same as Main Board or Ctrl Card."
 ::= { clkCommonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1.2
 clkCommonNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "reserved."
 ::= { clkCommonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1.3
 ltiAlarm OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Main Board / Ctrl Card LTI Alarm."
 ::= { clkCommonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1.4
 refClkChange OBJECT-TYPE
 SYNTAX INTEGER
 {
 lockedRef1(1),
 lockedRef2(2),
 lockedRef3(3),
 holdover(4),
 freerun(5)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Main Board / Ctrl Card CLK Status."
 ::= { clkCommonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1.5
 extClkLoop OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Main Board / Ctrl Card EXT CLK Timing Loop Alarm."
 ::= { clkCommonEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1.6
 currentTimingSource OBJECT-TYPE
 SYNTAX INTEGER
 {
 selectRef1(1),
 selectRef2(2),
 selectRef3(3)
 }
 ::= { clkCommonEntry 6 }

ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Main Board / Ctrl Card Current Timing Source."
 ::= { clkCommonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1.7

timingSourceCondition OBJECT-TYPE

SYNTAX INTEGER

{
 locked(1),
 holdover(2),
 freerun(3)
 }

ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Main Board / Ctrl Card Timing Source Status."
 ::= { clkCommonEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.1.1.8

timingSourceControlStatus OBJECT-TYPE

SYNTAX INTEGER

{
 auto(1),
 manualSelect(2),
 forcedSelect(3)
 }

ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Main Board / Ctrl Card Timing Source Switch Status."
 ::= { clkCommonEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2

clkRefTable OBJECT-TYPE

SYNTAX SEQUENCE OF ClkRefEntry

ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "Represents Timing Source Status."
 ::= { asClkGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2.1

clkRefEntry OBJECT-TYPE

SYNTAX ClkRefEntry

ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "

INDEX { clkRefNEAddress, clkRefIndex }
 ::= { clkRefTable 1 }

ClkRefEntry ::=
 SEQUENCE {


```

        clkRefIndex
            INTEGER,
        clkRefNEAddress
            IpAddress,
        clkFailedAlarm
            SeverityValue,
        clkDriftAlarm
            SeverityValue,
        clkRefFailedAlarm
            SeverityValue,
        refLockoutStatus
            INTEGER,
        refQL
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2.1.1
clkRefIndex OBJECT-TYPE
    SYNTAX INTEGER
    {
        refclk1(1),
        refclk2(2),
        refclk3(3)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The table is created per each timing
        source."
    ::= { clkRefEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2.1.2
clkRefNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { clkRefEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2.1.3
clkFailedAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card CLK FAIL Alarm per CLK Reference."
    ::= { clkRefEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2.1.4
clkDriftAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card CLK Drift Alarm per CLK Reference."
    ::= { clkRefEntry 4 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2.1.5
clkRefFailedAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card SSM FAIL Alarm per CLK Reference."
    ::= { clkRefEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2.1.6
refLockoutStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            lockout(1),
            normal(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Lockout Status per CLK Reference."
    ::= { clkRefEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.5.2.1.7
refQL OBJECT-TYPE
    SYNTAX INTEGER
        {
            qlPrc(1),
            qlSsuA(2),
            qlSsuB(3),
            qlOriginal(4),
            qlSec(5),
            qlDnu(6),
            qlInvx(7),
            qlFailed(8),
            notAvail(9)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Quality level per CLK Reference."
    ::= { clkRefEntry 7 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6
asExtClkGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1
extClkGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ExtClkGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Ext CLK Alarm / Status."
    ::= { asExtClkGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1.1
extClkGroupEntry OBJECT-TYPE
    SYNTAX ExtClkGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { extClkGroupNEAddress, extClkGroupIndex }
    ::= { extClkGroupTable 1 }
```

```
ExtClkGroupEntry ::=
    SEQUENCE {
        extClkGroupIndex
            INTEGER,
        extClkGroupNEAddress
            IpAddress,
        clk2mLosAlarm
            SeverityValue,
        aisAlarm
            SeverityValue,
        lofAlarm
            SeverityValue,
        clk2mUnequipped
            SeverityValue,
        squelch
            INTEGER
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1.1.1
extClkGroupIndex OBJECT-TYPE
    SYNTAX INTEGER { extclk(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { extClkGroupEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1.1.2
extClkGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { extClkGroupEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1.1.3
clk2mLosAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK LOS Alarm."
    ::= { extClkGroupEntry 3 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1.1.4
aisAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK AIS Alarm."
    ::= { extClkGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1.1.5
lofAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK LOF Alarm."
    ::= { extClkGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1.1.6
clk2mUnequipped OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK Unequipped Alarm."
    ::= { extClkGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.6.1.1.9
squelch OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            squelch(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK Squelch Status."
    ::= { extClkGroupEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.7
asFanGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.7.1
fanGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF FanGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents FAN Card Alarm / Status."
    ::= { asFanGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.7.1.1
fanGroupEntry OBJECT-TYPE

```

```

SYNTAX FanGroupEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    " "
INDEX { fanGroupNEAddress, fanGroupIndex }
::= { fanGroupTable 1 }

```

```

FanGroupEntry ::=
    SEQUENCE {
        fanGroupIndex
            INTEGER,
        fanGroupNEAddress
            IpAddress,
        fanAlarm
            SeverityValue,
        fanUnequipped
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.7.1.1.1
fanGroupIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { fanGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.7.1.1.2
fanGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { fanGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.7.1.1.3
fanAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FAN FAIL Alarm."
    ::= { fanGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.7.1.1.4
fanUnequipped OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FAN Unequipped Alarm."
    ::= { fanGroupEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.8
asPsGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.8.1
psGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF PsGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Main Board / Ctrl Card Power Supply Alarm / Status."
    ::= { asPsGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.8.1.1
psGroupEntry OBJECT-TYPE
    SYNTAX PsGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { psGroupNEAddress, psGroupIndex }
    ::= { psGroupTable 1 }

PsGroupEntry ::=
    SEQUENCE {
        psGroupIndex
            INTEGER,
        psGroupNEAddress
            IpAddress,
        psPowerSupply
            SeverityValue,
        psUnequipped
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.8.1.1.1
psGroupIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { psGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.8.1.1.2
psGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { psGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.8.1.1.3
psPowerSupply OBJECT-TYPE

```

```

SYNTAX SeverityValue
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Main Board / Ctrl Card Power Supply Alarm."
::= { psGroupEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.8.1.1.4
psUnequipped OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Power Supply Unequipped Alarm."
    ::= { psGroupEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9
asTCNGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 9 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1
tcn15minDataRadioGroup OBJECT IDENTIFIER ::= { asTCNGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.1
tcn15minDataRadioTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn15minDataRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threashold Crossing Alarm Status of 15 minutes PMON
        for Radio."
    ::= { tcn15minDataRadioGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.1.1
tcn15minDataRadioEntry OBJECT-TYPE
    SYNTAX Tcn15minDataRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { tcn15minDataRadioNEAddress, tcn15minDataModemIfIndex,
tcn15minDataModemMonitorName }
    ::= { tcn15minDataRadioTable 1 }

```

```

Tcn15minDataRadioEntry ::=
    SEQUENCE {
        tcn15minDataModemIfIndex
            InterfaceIndex,
        tcn15minDataModemMonitorName
            INTEGER,
        tcn15minDataRadioNEAddress
            IpAddress,
        tcn15minDataRf
            SeverityValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.1.1.1
tcn15minDataModemIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the radio interface."
    ::= { tcn15minDataRadioEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.1.1.2
tcn15minDataModemMonitorName OBJECT-TYPE
    SYNTAX INTEGER
        {
            bbe(1),
            es(2),
            ses(3),
            sep(4),
            uas(5),
            ofs(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn15minDataRadioEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.1.1.3
tcn15minDataRadioNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { tcn15minDataRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.1.1.4
tcn15minDataRf OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN MODEM 15 minutes RF Monitoring Alarm per counting item."
    ::= { tcn15minDataRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.2
tcn15minRxLevTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn15minRxLevEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threshold Crossing Alarm Status of 15 minutes Rx
        Level Alarm."
    ::= { tcn15minDataRadioGroup 2 }

```


-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.2.1

tcn15minRxLevEntry OBJECT-TYPE

SYNTAX Tcn15minRxLevEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { tcn15minRxLevNEAddress, tcn15minRxLevIfIndex }

::= { tcn15minRxLevTable 1 }

Tcn15minRxLevEntry ::=

SEQUENCE {

tcn15minRxLevIfIndex

InterfaceIndex,

tcn15minRxLevNEAddress

IpAddress,

tcn15minRxLev

SeverityValue

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.2.1.1

tcn15minRxLevIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. Unique number of the radio interface."

::= { tcn15minRxLevEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.2.1.2

tcn15minRxLevNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved"

::= { tcn15minRxLevEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.1.2.1.3

tcn15minRxLev OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"TCN MODEM 15 minutes RX Level (Min) Alarm."

::= { tcn15minRxLevEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2

tcn15minDataCableGroup OBJECT IDENTIFIER ::= { asTCNGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1

tcn15minDataThroughModeGroup OBJECT IDENTIFIER ::= { tcn15minDataCableGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.1

```

tcn15minDataTmRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn15minDataTmRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threshold Crossing Alarm of 15 minutes PMON for RS
        Layer of through mode STM-1."
    ::= { tcn15minDataThroughModeGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.1.1

```

```

tcn15minDataTmRsEntry OBJECT-TYPE
    SYNTAX Tcn15minDataTmRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { tcn15minDataTmRsNEAddress, tcn15minDataTmRsIfIndex,
tcn15minDataTmRsMonitorName }
    ::= { tcn15minDataTmRsTable 1 }

```

```

Tcn15minDataTmRsEntry ::=
    SEQUENCE {
        tcn15minDataTmRsIfIndex
            InterfaceIndex,
        tcn15minDataTmRsMonitorName
            INTEGER,
        tcn15minDataTmRsNEAddress
            IpAddress,
        tcn15minDataTmRs
            SeverityValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.1.1

```

```

tcn15minDataTmRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the STM-1 interface."
    ::= { tcn15minDataTmRsEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.1.2

```

```

tcn15minDataTmRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5),
        ofs(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn15minDataTmRsEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.1.1.3

tcn15minDataTmRsNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved"

::= { tcn15minDataTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.1.1.4

tcn15minDataTmRs OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"TCN STM-1 15 minutes (Through Mode) RS Monitoring Alarm."

::= { tcn15minDataTmRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.2

tcn15minDataTmDMRRsTable OBJECT-TYPE

SYNTAX SEQUENCE OF Tcn15minDataTmDMRRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Represents Threshold Crossing Alarm of 15 minutes PMON for DMR
RS Layer of STM-1"

::= { tcn15minDataThroughModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.2.1

tcn15minDataTmDMRRsEntry OBJECT-TYPE

SYNTAX Tcn15minDataTmDMRRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { tcn15minDataTmDMRRsNEAddress, tcn15minDataTmDMRRsIfIndex,
tcn15minDataTmDMRRsMonitorName }

::= { tcn15minDataTmDMRRsTable 1 }

Tcn15minDataTmDMRRsEntry ::=

SEQUENCE {

tcn15minDataTmDMRRsIfIndex

InterfaceIndex,

tcn15minDataTmDMRRsMonitorName

INTEGER,

tcn15minDataTmDMRRsNEAddress

IpAddress,

tcn15minDataTmDMRRs

SeverityValue

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.2.1.1

tcn15minDataTmDMRRsIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Index of this table. Unique number of the STM-1 interface."
::= { tcn15minDataTmDMRRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.2.1.2
tcn15minDataTmDMRRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
        {
            bbe(1),
            es(2),
            ses(3),
            sep(4),
            uas(5),
            ofs(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn15minDataTmDMRRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.2.1.3
tcn15minDataTmDMRRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { tcn15minDataTmDMRRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.1.2.1.4
tcn15minDataTmDMRRs OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN STM-1 15 minutes (Through Mode)DMR RS Monitoring Alarm."
    ::= { tcn15minDataTmDMRRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2
tcn15minDataChannelizedModeGroup OBJECT IDENTIFIER ::= { tcn15minDataCableGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.1
tcn15minDataChRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn15minDataChRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threshold Crossing Alarm of 15 minutes PMON for
        Channelized Mode RS Layer of STM-1."
    ::= { tcn15minDataChannelizedModeGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.1.1
tcn15minDataChRsEntry OBJECT-TYPE
    SYNTAX Tcn15minDataChRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { tcn15minDataChRsNEAddress, tcn15minDataChRsIfIndex,
tcn15minDataChRsMonitorName }
    ::= { tcn15minDataChRsTable 1 }

```

```

Tcn15minDataChRsEntry ::=
    SEQUENCE {
        tcn15minDataChRsIfIndex
            InterfaceIndex,
        tcn15minDataChRsMonitorName
            INTEGER,
        tcn15minDataChRsNEAddress
            IpAddress,
        tcn15minDataChRs
            SeverityValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.1.1.1
tcn15minDataChRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the STM-1 interface."
    ::= { tcn15minDataChRsEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.1.1.2
tcn15minDataChRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
        {
            bbe(1),
            es(2),
            ses(3),
            sep(4),
            uas(5),
            ofs(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn15minDataChRsEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.1.1.3
tcn15minDataChRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { tcn15minDataChRsEntry 3 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.1.1.4

tcn15minDataChRs OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"TCN STM-1 15 minutes (Channelized Mode) RS Monitoring Alarm per counting item."

::= { tcn15minDataChRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.2

tcn15minDataChMsTable OBJECT-TYPE

SYNTAX SEQUENCE OF Tcn15minDataChMsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Represents Threshold Crossing Alarm of 15 minutes PMON for Channelized Mode MS Layer of STM-1."

::= { tcn15minDataChannelizedModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.2.1

tcn15minDataChMsEntry OBJECT-TYPE

SYNTAX Tcn15minDataChMsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { tcn15minDataChMsNEAddress, tcn15minDataChMsIfIndex,

tcn15minDataChMsMonitorName }

::= { tcn15minDataChMsTable 1 }

Tcn15minDataChMsEntry ::=

SEQUENCE {

tcn15minDataChMsIfIndex

InterfaceIndex,

tcn15minDataChMsMonitorName

INTEGER,

tcn15minDataChMsNEAddress

IpAddress,

tcn15minDataChMs

SeverityValue

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.2.1.1

tcn15minDataChMsIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. Unique number of the STM-1 interface."

::= { tcn15minDataChMsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.2.1.2

tcn15minDataChMsMonitorName OBJECT-TYPE

SYNTAX INTEGER

```

{
  bbe(1),
  es(2),
  ses(3),
  sep(4),
  uas(5)
}

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. The index value shows counting item."

::= { tcn15minDataChMsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.2.1.3

tcn15minDataChMsNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved"

::= { tcn15minDataChMsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.2.2.1.4

tcn15minDataChMs OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"TCN STM-1 15 minutes (Channelized Mode) MS Monitoring Alarm."

::= { tcn15minDataChMsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.3

tcn15minData16E1Group OBJECT IDENTIFIER ::= { tcn15minDataCableGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.3.1

tcn15minData16E1PdhTable OBJECT-TYPE

SYNTAX SEQUENCE OF Tcn15minData16E1PdhEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Represents Threshold Crossing Alarm of 15 minutes PMON for E1 Channel."

::= { tcn15minData16E1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.3.1.1

tcn15minData16E1PdhEntry OBJECT-TYPE

SYNTAX Tcn15minData16E1PdhEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { tcn15minData16E1PdhNEAddress, tcn15minData16E1PdhIfIndex,
tcn15minData16E1PdhMonitorName }

::= { tcn15minData16E1PdhTable 1 }

```

Tcn15minData16E1PdhEntry ::=
    SEQUENCE {
        tcn15minData16E1PdhIfIndex
            InterfaceIndex,
        tcn15minData16E1PdhMonitorName
            INTEGER,
        tcn15minData16E1PdhNEAddress
            IpAddress,
        tcn15minData16E1Pdh
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.3.1.1.1
tcn15minData16E1PdhIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the E1 interface."
    ::= { tcn15minData16E1PdhEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.3.1.1.2
tcn15minData16E1PdhMonitorName OBJECT-TYPE
    SYNTAX INTEGER { cv(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn15minData16E1PdhEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.3.1.1.3
tcn15minData16E1PdhNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn15minData16E1PdhEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.2.3.1.1.4
tcn15minData16E1Pdh OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN 15 minutes E1 CV Alarm."
    ::= { tcn15minData16E1PdhEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3
tcn1dayDataRadioGroup OBJECT IDENTIFIER ::= { asTCNGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.1
tcn1dayDataRadioTable OBJECT-TYPE

```


SYNTAX SEQUENCE OF Tcn1dayDataRadioEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Represents Threshold Crossing Alarm Status of 1 day PMON for Radio."

::= { tcn1dayDataRadioGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.1.1

tcn1dayDataRadioEntry OBJECT-TYPE

SYNTAX Tcn1dayDataRadioEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { tcn1dayDataRadioNEAddress, tcn1dayDataModemIfIndex,
tcn1dayDataModemMonitorName }

::= { tcn1dayDataRadioTable 1 }

Tcn1dayDataRadioEntry ::=

SEQUENCE {

tcn1dayDataModemIfIndex

InterfaceIndex,

tcn1dayDataModemMonitorName

INTEGER,

tcn1dayDataRadioNEAddress

IpAddress,

tcn1dayDataRf

SeverityValue

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.1.1.1

tcn1dayDataModemIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. Unique number of the radio interface."

::= { tcn1dayDataRadioEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.1.1.2

tcn1dayDataModemMonitorName OBJECT-TYPE

SYNTAX INTEGER

{

bbe(1),

es(2),

ses(3),

sep(4),

uas(5),

ofs(6)

}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. The index value shows counting item."

::= { tcn1dayDataRadioEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.1.1.3
tcn1dayDataRadioNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn1dayDataRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.1.1.4
tcn1dayDataRf OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN MODEM 1 day RF Monitoring Alarm per counting item."
    ::= { tcn1dayDataRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.2
tcn1dayRxLevTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn1dayRxLevEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threshold Crossing Alarm Status of 15 minutes Rx
        Level Alarm."
    ::= { tcn1dayDataRadioGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.2.1
tcn1dayRxLevEntry OBJECT-TYPE
    SYNTAX Tcn1dayRxLevEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { tcn1dayRxLevNEAddress, tcn1dayRxLevIfIndex }
    ::= { tcn1dayRxLevTable 1 }

Tcn1dayRxLevEntry ::=
    SEQUENCE {
        tcn1dayRxLevIfIndex
            InterfaceIndex,
        tcn1dayRxLevNEAddress
            IpAddress,
        tcn1dayRxLev
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.2.1.1
tcn1dayRxLevIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the radio interface."

```

```
::= { tcn1dayRxLevEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.2.1.2
```

```
tcn1dayRxLevNEAddress OBJECT-TYPE
```

```
    SYNTAX IpAddress
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "reserved"
```

```
    ::= { tcn1dayRxLevEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.3.2.1.3
```

```
tcn1dayRxLev OBJECT-TYPE
```

```
    SYNTAX SeverityValue
```

```
    ACCESS read-only
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "TCN MODEM 1 day RX Level (Min) Alarm."
```

```
    ::= { tcn1dayRxLevEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4
```

```
tcn1dayDataCableGroup OBJECT IDENTIFIER ::= { asTCNGroup 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1
```

```
tcn1dayDataThroughModeGroup OBJECT IDENTIFIER ::= { tcn1dayDataCableGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.1
```

```
tcn1dayDataTmRsTable OBJECT-TYPE
```

```
    SYNTAX SEQUENCE OF Tcn1dayDataTmRsEntry
```

```
    ACCESS not-accessible
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        "Represents Threshold Crossing Alarm of 1 day PMON for RS Layer  
        of through mode STM-1."
```

```
    ::= { tcn1dayDataThroughModeGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.1.1
```

```
tcn1dayDataTmRsEntry OBJECT-TYPE
```

```
    SYNTAX Tcn1dayDataTmRsEntry
```

```
    ACCESS not-accessible
```

```
    STATUS mandatory
```

```
    DESCRIPTION
```

```
        " "
```

```
    INDEX { tcn1dayDataTmRsNEAddress, tcn1dayDataTmRsIfIndex,
```

```
tcn1dayDataTmRsMonitorName }
```

```
    ::= { tcn1dayDataTmRsTable 1 }
```

```
Tcn1dayDataTmRsEntry ::=
```

```
    SEQUENCE {
```

```
        tcn1dayDataTmRsIfIndex
```

```
        InterfaceIndex,
```

```
        tcn1dayDataTmRsMonitorName
```

```
        INTEGER,
```

```

        tcn1dayDataTmRsNEAddress
            IpAddress,
        tcn1dayDataTmRs
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.1.1.1
tcn1dayDataTmRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the STM-1 interface."
    ::= { tcn1dayDataTmRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.1.1.2
tcn1dayDataTmRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5),
        ofs(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn1dayDataTmRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.1.1.3
tcn1dayDataTmRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn1dayDataTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.1.1.4
tcn1dayDataTmRs OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN STM-1 1 day (Through Mode) RS Monitoring Alarm."
    ::= { tcn1dayDataTmRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.2
tcn1dayDataTmDMRRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn1dayDataTmDMRRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION

```

"Represents Threshold Crossing Alarm of 1 day PMON for DMR RS
Layer of STM-1"
::= { tcn1dayDataThroughModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.2.1

tcn1dayDataTmDMRRsEntry OBJECT-TYPE

SYNTAX Tcn1dayDataTmDMRRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { tcn1dayDataTmDMRRsNEAddress, tcn1dayDataTmDMRRsIfIndex,
tcn1dayDataTmDMRRsMonitorName }

::= { tcn1dayDataTmDMRRsTable 1 }

Tcn1dayDataTmDMRRsEntry ::=

SEQUENCE {

tcn1dayDataTmDMRRsIfIndex

InterfaceIndex,

tcn1dayDataTmDMRRsMonitorName

INTEGER,

tcn1dayDataTmDMRRsNEAddress

IpAddress,

tcn1dayDataTmDMRRs

SeverityValue

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.2.1.1

tcn1dayDataTmDMRRsIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. Unique number of the STM-1 interface."

::= { tcn1dayDataTmDMRRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.2.1.2

tcn1dayDataTmDMRRsMonitorName OBJECT-TYPE

SYNTAX INTEGER

{

bbe(1),

es(2),

ses(3),

sep(4),

uas(5),

ofs(6)

}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. The index value shows counting item."

::= { tcn1dayDataTmDMRRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.2.1.3

tcn1dayDataTmDMRRsNEAddress OBJECT-TYPE

SYNTAX IpAddress

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "reserved"
::= { tcn1dayDataTmDMRRsEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.1.2.1.4
tcn1dayDataTmDMRRs OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN STM-1 1 day (Through Mode)DMR RS Monitoring Alarm."
    ::= { tcn1dayDataTmDMRRsEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2
tcn1dayDataChannelizedModeGroup OBJECT IDENTIFIER ::= { tcn1dayDataCableGroup 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.1
tcn1dayDataChRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn1dayDataChRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threshold Crossing Alarm of 15 minutes PMON for
        Channelized Mode RS Layer of STM-1."
    ::= { tcn1dayDataChannelizedModeGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.1.1
tcn1dayDataChRsEntry OBJECT-TYPE
    SYNTAX Tcn1dayDataChRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { tcn1dayDataChRsNEAddress, tcn1dayDataChRsIfIndex,
tcn1dayDataChRsMonitorName }
    ::= { tcn1dayDataChRsTable 1 }

```

```

Tcn1dayDataChRsEntry ::=
    SEQUENCE {
        tcn1dayDataChRsIfIndex
        InterfaceIndex,
        tcn1dayDataChRsMonitorName
        INTEGER,
        tcn1dayDataChRsNEAddress
        IpAddress,
        tcn1dayDataChRs
        SeverityValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.1.1.1
tcn1dayDataChRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only

```

STATUS mandatory
 DESCRIPTION
 "Index of this table. Unique number of the STM-1 interface."
 ::= { tcn1dayDataChRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.1.1.2
 tcn1dayDataChRsMonitorName OBJECT-TYPE
 SYNTAX INTEGER
 {
 bbe(1),
 es(2),
 ses(3),
 sep(4),
 uas(5),
 ofs(6)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Index of this table. The index value shows counting item."
 ::= { tcn1dayDataChRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.1.1.3
 tcn1dayDataChRsNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "reserved"
 ::= { tcn1dayDataChRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.1.1.4
 tcn1dayDataChRs OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "TCN STM-1 1 day (Channelized Mode) RS Monitoring Alarm per
 counting item."
 ::= { tcn1dayDataChRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.2
 tcn1dayDataChMsTable OBJECT-TYPE
 SYNTAX SEQUENCE OF Tcn1dayDataChMsEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "Represents Threshold Crossing Alarm of 15 minutes PMON for
 Channelized Mode MS Layer of STM-1."
 ::= { tcn1dayDataChannelizedModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.2.1
 tcn1dayDataChMsEntry OBJECT-TYPE
 SYNTAX Tcn1dayDataChMsEntry
 ACCESS not-accessible

STATUS mandatory
DESCRIPTION
" "

INDEX { tcn1dayDataChMsNEAddress, tcn1dayDataChMsIfIndex,
tcn1dayDataChMsMonitorName }
::= { tcn1dayDataChMsTable 1 }

Tcn1dayDataChMsEntry ::=
SEQUENCE {
 tcn1dayDataChMsIfIndex
 InterfaceIndex,
 tcn1dayDataChMsMonitorName
 INTEGER,
 tcn1dayDataChMsNEAddress
 IpAddress,
 tcn1dayDataChMs
 SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.2.1.1
tcn1dayDataChMsIfIndex OBJECT-TYPE
 SYNTAX InterfaceIndex
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Index of this table. Unique number of the STM-1 interface."
 ::= { tcn1dayDataChMsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.2.1.2
tcn1dayDataChMsMonitorName OBJECT-TYPE
 SYNTAX INTEGER
 {
 bbe(1),
 es(2),
 ses(3),
 sep(4),
 uas(5)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Index of this table. The index value shows counting item."
 ::= { tcn1dayDataChMsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.2.1.3
tcn1dayDataChMsNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "reserved"
 ::= { tcn1dayDataChMsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.2.2.1.4
tcn1dayDataChMs OBJECT-TYPE
 SYNTAX SeverityValue


```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "TCN STM-1 15 minutes (Channelized Mode) MS Monitoring Alarm."
::= { tcn1dayDataChMsEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.3
tcn1dayData16E1Group OBJECT IDENTIFIER ::= { tcn1dayDataCableGroup 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.3.1
tcn1dayData16E1PdhTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn1dayData16E1PdhEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threshold Crossing Alarm of 15 minutes PMON for E1
        Channel."
    ::= { tcn1dayData16E1Group 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.3.1.1
tcn1dayData16E1PdhEntry OBJECT-TYPE
    SYNTAX Tcn1dayData16E1PdhEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { tcn1dayData16E1PdhNEAddress, tcn1dayData16E1PdhIfIndex,
tcn1dayData16E1PdhMonitorName }
    ::= { tcn1dayData16E1PdhTable 1 }

```

```

Tcn1dayData16E1PdhEntry ::=
    SEQUENCE {
        tcn1dayData16E1PdhIfIndex
            InterfaceIndex,
        tcn1dayData16E1PdhMonitorName
            INTEGER,
        tcn1dayData16E1PdhNEAddress
            IpAddress,
        tcn1dayData16E1Pdh
            SeverityValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.3.1.1.1
tcn1dayData16E1PdhIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the E1 interface."
    ::= { tcn1dayData16E1PdhEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.3.1.1.2
tcn1dayData16E1PdhMonitorName OBJECT-TYPE
    SYNTAX INTEGER { cv(1) }
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "Index of this table. The index value shows counting item."
::= { tcn1dayData16E1PdhEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.3.1.1.3
tcn1dayData16E1PdhNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn1dayData16E1PdhEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.4.3.1.1.4
tcn1dayData16E1Pdh OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN 1 day E1 CV Alarm."
    ::= { tcn1dayData16E1PdhEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5
tcn15minDataRmonGroup OBJECT IDENTIFIER ::= { asTCNGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1
tcn15minDataRmonTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn15minDataRmonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threshold Crossing Alarm of 15 minutes RMON for
        Ethernet Port."
    ::= { tcn15minDataRmonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1
tcn15minDataRmonEntry OBJECT-TYPE
    SYNTAX Tcn15minDataRmonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { tcn15minRmonNEAddress, tcn15minRmonIfIndex }
    ::= { tcn15minDataRmonTable 1 }

Tcn15minDataRmonEntry ::=
    SEQUENCE {
        tcn15minRmonIfIndex
        InterfaceIndex,
        tcn15minRmonNEAddress
        IpAddress,
        tcn15minHCRxEthStatsDropEvents
        SeverityValue,

```

```

        tcn15minHCRxEthStatsUndersizePkts
            SeverityValue,
        tcn15minHCRxEthStatsFragments
            SeverityValue,
        tcn15minHCRxEthStatsCRCAlignErrors
            SeverityValue,
        tcn15minHCRxEthStatsOversizePkts
            SeverityValue,
        tcn15minHCTxEthStatsCollisions
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1.1
tcn15minRmonIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the Ethernet Port."
    ::= { tcn15minDataRmonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1.2
tcn15minRmonNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn15minDataRmonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1.3
tcn15minHCRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX Drop Events Alarm"
    ::= { tcn15minDataRmonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1.4
tcn15minHCRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX Undersize Packets Alarm."
    ::= { tcn15minDataRmonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1.5
tcn15minHCRxEthStatsFragments OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX Fragments Alarm."
    ::= { tcn15minDataRmonEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1.6
tcn15minHCRxEthStatsCRCAAlignErrors OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX CRC Alignment Errors
        Alarm."
    ::= { tcn15minDataRmonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1.7
tcn15minHCRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX Oversize Packets Alarm."
    ::= { tcn15minDataRmonEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.5.1.1.8
tcn15minHCTxEthStatsCollisions OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes TX Collisions Alarm."
    ::= { tcn15minDataRmonEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6
tcn1dayDataRmonGroup OBJECT IDENTIFIER ::= { asTCNGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1
tcn1dayDataRmonTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Tcn1dayDataRmonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Threshold Crossing Alarm of 1 day RMON for Ethernet
        Port"
    ::= { tcn1dayDataRmonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1
tcn1dayDataRmonEntry OBJECT-TYPE
    SYNTAX Tcn1dayDataRmonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { tcn1dayRmonNEAddress, tcn1dayRmonIfIndex }
    ::= { tcn1dayDataRmonTable 1 }

Tcn1dayDataRmonEntry ::=

```

```

SEQUENCE {
    tcn1dayRmonIfIndex
        InterfaceIndex,
    tcn1dayRmonNEAddress
        IpAddress,
    tcn1dayHCRxEthStatsDropEvents
        SeverityValue,
    tcn1dayHCRxEthStatsUndersizePkts
        SeverityValue,
    tcn1dayHCRxEthStatsFragments
        SeverityValue,
    tcn1dayHCRxEthStatsCRCAlignErrors
        SeverityValue,
    tcn1dayHCRxEthStatsOversizePkts
        SeverityValue,
    tcn1dayHCTxEthStatsCollisions
        SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1.1
tcn1dayRmonIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of the Ethernet Port."
    ::= { tcn1dayDataRmonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1.2
tcn1dayRmonNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { tcn1dayDataRmonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1.3
tcn1dayHCRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX Drop Events Alarm"
    ::= { tcn1dayDataRmonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1.4
tcn1dayHCRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX Undersize Packets Alarm."
    ::= { tcn1dayDataRmonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1.5

```

```

tcn1dayHCRxEthStatsFragments OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX Fragments Alarm."
    ::= { tcn1dayDataRmonEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1.6
tcn1dayHCRxEthStatsCRCAAlignErrors OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX CRC Alignment Errors Alarm."
    ::= { tcn1dayDataRmonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1.7
tcn1dayHCRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX Oversize Packets Alarm."
    ::= { tcn1dayDataRmonEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.9.6.1.1.8
tcn1dayHCTxEthStatsCollisions OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day TX Collisions Alarm."
    ::= { tcn1dayDataRmonEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10
asHkGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.1
hkInputStatusTable OBJECT-TYPE
    SYNTAX SEQUENCE OF HkInputStatusEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "AUX HK Input Status"
    ::= { asHkGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.1.1
hkInputStatusEntry OBJECT-TYPE
    SYNTAX HkInputStatusEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

```

```

INDEX { hkInputStatusNEAddress, hkInputStatusIndex }
::= { hkInputStatusTable 1 }

```

```

HkInputStatusEntry ::=
  SEQUENCE {
    hkInputStatusIndex
      INTEGER,
    hkInputStatusNEAddress
      IpAddress,
    hkInputAlarm
      SeverityValue,
    hkInputStatus
      INTEGER
  }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.1.1.1
hkInputStatusIndex OBJECT-TYPE
  SYNTAX INTEGER
  {
    hkInput1(1),
    hkInput2(2),
    hkInput3(3),
    hkInput4(4),
    hkInput5(5),
    hkInput6(6)
  }
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "Index of this table."
  ::= { hkInputStatusEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.1.1.2
hkInputStatusNEAddress OBJECT-TYPE
  SYNTAX IpAddress
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "reserved"
  ::= { hkInputStatusEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.1.1.3
hkInputAlarm OBJECT-TYPE
  SYNTAX SeverityValue
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "AUX HK IN Alarm."
  ::= { hkInputStatusEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.1.1.4
hkInputStatus OBJECT-TYPE
  SYNTAX INTEGER
  {
    eventOff(1),
    eventOn(2)
  }

```

```

    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AUX HK IN Status."
    ::= { hkInputStatusEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.2
hkOutputStatusTable OBJECT-TYPE
    SYNTAX SEQUENCE OF HkOutputStatusEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "AUX HK Output Status"
    ::= { asHkGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.2.1
hkOutputStatusEntry OBJECT-TYPE
    SYNTAX HkOutputStatusEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { hkOutputStatusNEAddress, hkOutputStatusIndex }
    ::= { hkOutputStatusTable 1 }

HkOutputStatusEntry ::=
    SEQUENCE {
        hkOutputStatusIndex
            INTEGER,
        hkOutputStatusNEAddress
            IpAddress,
        hkOutputStatusValue
            OffOnValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.2.1.1
hkOutputStatusIndex OBJECT-TYPE
    SYNTAX INTEGER
    {
        hkOutput1(1),
        hkOutput2(2),
        hkOutput3(3),
        hkOutput4(4)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { hkOutputStatusEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.2.1.2
hkOutputStatusNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory

```



```

DESCRIPTION
    "reserved."
::= { hkOutputStatusEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.2.1.3
hkOutputStatusValue OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AUX HK OUT Status"
    ::= { hkOutputStatusEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.3
clusterAlarmGroup OBJECT IDENTIFIER ::= { asHkGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.3.2
clusterAlarmOutTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ClusterAlarmOutEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Represents Cluster Alarm Output (Cluster Alarm from Peer
        Equipment) Status"
    ::= { clusterAlarmGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.3.2.1
clusterAlarmOutEntry OBJECT-TYPE
    SYNTAX ClusterAlarmOutEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        ""

    INDEX { clusterAlarmOutNEAddress, clusterAlarmOutIndex }
    ::= { clusterAlarmOutTable 1 }

ClusterAlarmOutEntry ::=
    SEQUENCE {
        clusterAlarmOutIndex
            INTEGER,
        clusterAlarmOutNEAddress
            IpAddress,
        clusterAlarmOutStatus
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.3.2.1.1
clusterAlarmOutIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { clusterAlarmOutEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.3.2.1.2
clusterAlarmOutNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { clusterAlarmOutEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.10.3.2.1.3
clusterAlarmOutStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            alarm(1),
            normal(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM Cluster Alarm Out."
    ::= { clusterAlarmOutEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11
asStm1Group OBJECT IDENTIFIER ::= { alarmStatusGroup 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1
asStm1ChPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsStm1ChPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm / Status Information of STM-1 Channelized Mode. This table
         is not used when the STM-1 Port is running on Through Mode."
    ::= { asStm1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1
asStm1ChPortEntry OBJECT-TYPE
    SYNTAX AsStm1ChPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asStm1ChPortNEAddress, asStm1ChPortIfIndex }
    ::= { asStm1ChPortTable 1 }

AsStm1ChPortEntry ::=
    SEQUENCE {
        asStm1ChPortIfIndex
            InterfaceIndex,
        asStm1ChPortNEAddress
            IpAddress,
        msAisAlarm
            SeverityValue,
        msRdiAlarm
    }

```

```

        SeverityValue,
    pjeStatus
        INTEGER,
    auAisAlarm
        SeverityValue,
    auLopAlarm
        SeverityValue,
    hpUnequipedAlarm
        SeverityValue,
    hpTimAlarm
        SeverityValue,
    hpPlmAlarm
        SeverityValue,
    hpRdiAlarm
        SeverityValue,
    lomAlarm
        SeverityValue,
    higherOrderPathTraceReceivedValue
        DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.1
asStm1ChPortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asStm1ChPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.2
asStm1ChPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asStm1ChPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.3
msAisAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 MS AIS Alarm."
    ::= { asStm1ChPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.4
msRdiAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 MS RDI Alarm."
    ::= { asStm1ChPortEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.5

pjeStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
    noDetected(1),
    detected(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"STM-1 PJE Status."

::= { asStm1ChPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.6

auAisAlarm OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"STM-1 AU AIS Alarm."

::= { asStm1ChPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.7

auLopAlarm OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"STM-1 AU LOP Alarm."

::= { asStm1ChPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.8

hpUnequipedAlarm OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"STM-1 HP UNEQ Alarm."

::= { asStm1ChPortEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.9

hpTimAlarm OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"STM-1 HP TIM Alarm"

::= { asStm1ChPortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.10

hpPlmAlarm OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

```

DESCRIPTION
    "STM-1 HP PLM Alarm"
::= { asStm1ChPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.11
hpRdiAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 HP RDI Alarm"
    ::= { asStm1ChPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.12
lomAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 LOM Alarm."
    ::= { asStm1ChPortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.1.1.13
higherOrderPathTraceReceivedValue OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 HP Trace Received Value."
    ::= { asStm1ChPortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2
asStm1PortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsStm1PortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm / Status Information of STM-1 Interface."
    ::= { asStm1Group 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1
asStm1PortEntry OBJECT-TYPE
    SYNTAX AsStm1PortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asStm1PortNEAddress, asStm1PortIfIndex }
    ::= { asStm1PortTable 1 }

AsStm1PortEntry ::=
    SEQUENCE {
        asStm1PortIfIndex
        InterfaceIndex,

```

```

        asStm1PortNEAddress
            IpAddress,
        portTypeMismatchAlarm
            SeverityValue,
        portRemovedAlarm
            SeverityValue,
        stm1LosAlarm
            SeverityValue,
        tfAlarm
            SeverityValue,
        rsLofAlarm
            SeverityValue,
        rsTimAlarm
            SeverityValue,
        rsExcAlarm
            SeverityValue,
        rsDegAlarm
            SeverityValue,
        rsUasStatus
            INTEGER,
        sectionTraceReceivedValue
            DisplayString,
        alsStatus
            OffOnValue,
        sdhAisGenStatus
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.1
asStm1PortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asStm1PortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.2
asStm1PortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asStm1PortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.3
portTypeMismatchAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 SFP Type Mismatch Alarm."
    ::= { asStm1PortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.4
portRemovedAlarm OBJECT-TYPE

```

```

SYNTAX SeverityValue
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "STM-1 SFP Removed Alarm."
::= { asStm1PortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.5
stm1LosAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 LOS Alarm."
    ::= { asStm1PortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.6
tfAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Transmit FAIL Alarm."
    ::= { asStm1PortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.7
rsLofAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 RS LOF Alarm."
    ::= { asStm1PortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.8
rsTimAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 RS TIM Alarm."
    ::= { asStm1PortEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.9
rsExcAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 RS EXC Alarm."
    ::= { asStm1PortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.10
rsDegAlarm OBJECT-TYPE

```

```

SYNTAX SeverityValue
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "STM-1 RS DEG Alarm."
::= { asStm1PortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.11
rsUasStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            uas(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 RS UAS Status"
    ::= { asStm1PortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.12
sectionTraceReceivedValue OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Section Trace Received Value."
    ::= { asStm1PortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.13
alsStatus OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 ALS Status"
    ::= { asStm1PortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.2.1.14
sdhAisGenStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            normal(1),
            generated(2),
            shutdown(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 AIS Generated Status."
    ::= { asStm1PortEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3
asStm1ChTable OBJECT-TYPE

```


SYNTAX SEQUENCE OF AsStm1ChEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Alarm / Status Information of STM-1 Channelized. This table is created per E1 channel allocated to the STM-1 interface."

::= { asStm1Group 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1

asStm1ChEntry OBJECT-TYPE

SYNTAX AsStm1ChEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { asStm1ChNEAddress, asStm1ChIfIndex }

::= { asStm1ChTable 1 }

AsStm1ChEntry ::=

SEQUENCE {

asStm1ChIfIndex

InterfaceIndex,

asStm1ChNEAddress

IpAddress,

tuAisAlarm

SeverityValue,

tuLopAlarm

SeverityValue,

IpUnequipedAlarm

SeverityValue,

IpRdiAlarm

SeverityValue,

IpPlmAlarm

SeverityValue,

slpAisGenStatus

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1.1

asStm1ChIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table"

::= { asStm1ChEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1.2

asStm1ChNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved."

::= { asStm1ChEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1.3
tuAisAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 TU AIS Alarm."
    ::= { asStm1ChEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1.4
tuLopAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 TU LOP Alarm."
    ::= { asStm1ChEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1.5
lpUnequipedAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 LP UNEQ Alarm."
    ::= { asStm1ChEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1.6
lpRdiAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 LP RDI Alarm."
    ::= { asStm1ChEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1.7
lpPlmAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 LP PLM Alarm."
    ::= { asStm1ChEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.3.1.8
slpAisGenStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            generated(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

        "STM-1 E1 AIS Generated Status."
        ::= { asStm1ChEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.4
asStm1CardTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsStm1CardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm / Status information of STM-1 Card."
    ::= { asStm1Group 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.4.1
asStm1CardEntry OBJECT-TYPE
    SYNTAX AsStm1CardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asStm1CardNEAddress, asStm1CardIndex }
    ::= { asStm1CardTable 1 }

AsStm1CardEntry ::=
    SEQUENCE {
        asStm1CardIndex
            INTEGER,
        asStm1CardNEAddress
            IpAddress,
        stm1Alarm
            SeverityValue,
        stm1ComFailAlarm
            SeverityValue,
        stm1Unequipped
            SeverityValue,
        stm1TypeMismatch
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.4.1.1
asStm1CardIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asStm1CardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.4.1.2
asStm1CardNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asStm1CardEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.4.1.3
stm1Alarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Module Alarm."
    ::= { asStm1CardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.4.1.4
stm1ComFailAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Communication FAIL Alarm."
    ::= { asStm1CardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.4.1.5
stm1Unequipped OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Unequipped Alarm."
    ::= { asStm1CardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.11.4.1.6
stm1TypeMismatch OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Type Mismatch Alarm."
    ::= { asStm1CardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12
asE1Group OBJECT IDENTIFIER ::= { alarmStatusGroup 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.1
asE1CardTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsE1CardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm / Status information of 16E1 Card."
    ::= { asE1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.1.1
asE1CardEntry OBJECT-TYPE
    SYNTAX AsE1CardEntry
    ACCESS not-accessible
    STATUS mandatory

```

DESCRIPTION

" "

INDEX { asE1CardNEAddress, asE1CardIndex }
 ::= { asE1CardTable 1 }

AsE1CardEntry ::=

```
SEQUENCE {
  asE1CardIndex
    INTEGER,
  asE1CardNEAddress
    IpAddress,
  e1Alarm
    SeverityValue,
  e1Unequipped
    SeverityValue,
  e1TypeMismatch
    SeverityValue
}
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.1.1.1

asE1CardIndex OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Index of this table."
 ::= { asE1CardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.1.1.2

asE1CardNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "reserved."
 ::= { asE1CardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.1.1.3

e1Alarm OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "16E1 Module Alarm."
 ::= { asE1CardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.1.1.5

e1Unequipped OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "16E1 Unequipped Alarm."
 ::= { asE1CardEntry 5 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.1.1.6
e1TypeMismatch OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "16E1 Type Mismatch Alarm."
    ::= { asE1CardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2
asE1ChTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsE1ChEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm / Status information of E1 Channel."
    ::= { asE1Group 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2.1
asE1ChEntry OBJECT-TYPE
    SYNTAX AsE1ChEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asE1ChNEAddress, asE1ChIfIndex }
    ::= { asE1ChTable 1 }

AsE1ChEntry ::=
    SEQUENCE {
        asE1ChIfIndex
            InterfaceIndex,
        asE1ChNEAddress
            IpAddress,
        chUsageAlarm
            SeverityValue,
        e1LosAlarm
            SeverityValue,
        ppiAisAlarm
            SeverityValue,
        e1AisGenStatus
            INTEGER,
        ppiAisStatus
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2.1.1
asE1ChIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. Unique number of E1 channel."
    ::= { asE1ChEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2.1.2

```

```

asE1ChNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { asE1ChEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2.1.3
chUsageAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "E1 Channel Usage Error Alarm."
    ::= { asE1ChEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2.1.4
e1LosAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "E1 Channel LOS Alarm."
    ::= { asE1ChEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2.1.5
ppiAisAlarm OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "E1 Channel AIS Alarm."
    ::= { asE1ChEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2.1.6
e1AisGenStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            generated(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "E1 Channel AIS Generated Status."
    ::= { asE1ChEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.12.2.1.8
ppiAisStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            ais(2)
        }

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "E1 Channel AIS Status."
::= { asE1ChEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13
asETHGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2
asRstpGroup OBJECT IDENTIFIER ::= { asETHGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.1
asRstpBridgeTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsRstpBridgeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm / Status information of RSTP."
    ::= { asRstpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.1.1
asRstpBridgeEntry OBJECT-TYPE
    SYNTAX AsRstpBridgeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asRstpBridgeNEAddress, asRstpBridgeIndex }
    ::= { asRstpBridgeTable 1 }

AsRstpBridgeEntry ::=
    SEQUENCE {
        asRstpBridgeIndex
            INTEGER,
        asRstpBridgeNEAddress
            IpAddress,
        asRstpBridgeTopChanges
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.1.1.1
asRstpBridgeIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asRstpBridgeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.1.1.2
asRstpBridgeNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only

```



```

STATUS mandatory
DESCRIPTION
    "reserved."
::= { asRstpBridgeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.1.1.4
asRstpBridgeTopChanges OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RSTP Topology Changed Status. The total number of topology
        chagnes detected by this bridge since the equipment was last
        initialized."
    ::= { asRstpBridgeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.2
asRstpPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsRstpPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Alarm / Status information of RSTP per Ethernet Port."
    ::= { asRstpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.2.1
asRstpPortEntry OBJECT-TYPE
    SYNTAX AsRstpPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asRstpPortNEAddress, asRstpPlfIndex }
    ::= { asRstpPortTable 1 }

AsRstpPortEntry ::=
    SEQUENCE {
        asRstpPlfIndex
            InterfaceIndex,
        asRstpPortNEAddress
            IpAddress,
        asRstpPortState
            INTEGER,
        asRstpPortProtocolMigrationVersion
            INTEGER,
        asRstpPortOperEdgePort
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.2.1.1
asRstpPlfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."

```

```

::= { asRstpPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.2.1.2
asRstpPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { asRstpPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.2.1.4
asRstpPortState OBJECT-TYPE
    SYNTAX INTEGER
        {
            disabled(1),
            blocking(2),
            listening(3),
            learning(4),
            forwarding(5),
            broken(6),
            discarding(7)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RSTP Port Status. The port's current state, as defined by
        application of the Spanning Tree Protocol. This state controls
        what action a port takes on reception of a frame."
    ::= { asRstpPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.2.1.6
asRstpPortProtocolMigrationVersion OBJECT-TYPE
    SYNTAX INTEGER
        {
            stp(1),
            rstp(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RSTP Protocol Migration. The port's operating protocol version."
    ::= { asRstpPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.2.2.1.13
asRstpPortOperEdgePort OBJECT-TYPE
    SYNTAX INTEGER
        {
            alarmOff(0),
            alarmOn(1)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The operational value of the edge port parameter. This object is
        initialized to 'alarmOff'. This object will be changed to

```

```

        'alarmOn' on reception of a BPDU if the corresponding
        'provRstpExtPortAdminEdgePort' is set to 'enabled'."
    ::= { asRstpPortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3
asEthOamGroup OBJECT IDENTIFIER ::= { asETHGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1
asEthOamCcGroup OBJECT IDENTIFIER ::= { asEthOamGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.1
asEthOamMepCcmFaultTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsEthOamMepCcmFaultEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "ETH-CC Fault Management Table"
    ::= { asEthOamCcGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.1.1
asEthOamMepCcmFaultEntry OBJECT-TYPE
    SYNTAX AsEthOamMepCcmFaultEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asEthOamMepCcmFaultNEAddress, asEthOamMepCcmIndex }
    ::= { asEthOamMepCcmFaultTable 1 }

AsEthOamMepCcmFaultEntry ::=
    SEQUENCE {
        asEthOamMepCcmIndex
        lpeMepId,
        asEthOamMepCcmFaultNEAddress
        IpAddress,
        asEthOamMepCcmLOC
        SeverityValue,
        asEthOamMepCcmRdiReceived
        SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.1.1.1
asEthOamMepCcmIndex OBJECT-TYPE
    SYNTAX lpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value is not same as MEP ID of protocol
        sense, uniquely assigned administrative value."
    ::= { asEthOamMepCcmFaultEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.1.1.2
asEthOamMepCcmFaultNEAddress OBJECT-TYPE
    SYNTAX IpAddress

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "reserved"
::= { asEthOamMepCcmFaultEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.1.1.3
asEthOamMepCcmLOC OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-OAM LOC Alarm. The MEP is not receiveing valid CCM from at
        least one of the remote MEP."
    ::= { asEthOamMepCcmFaultEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.1.1.4
asEthOamMepCcmRdiReceived OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-OAM RDI Alarm. A remote MEP is reported the RDI in is last
        CCM."
    ::= { asEthOamMepCcmFaultEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.3
asEthOamMegCcmFaultTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsEthOamMegCcmFaultEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "ETH-CC Fault Management Table(MEG)"
    ::= { asEthOamCcGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.3.1
asEthOamMegCcmFaultEntry OBJECT-TYPE
    SYNTAX AsEthOamMegCcmFaultEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asEthOamMegCcmFaultNEAddress, asEthOamMegCcmIndex }
    ::= { asEthOamMegCcmFaultTable 1 }

AsEthOamMegCcmFaultEntry ::=
    SEQUENCE {
        asEthOamMegCcmIndex
            INTEGER,
        asEthOamMegCcmFaultNEAddress
            IpAddress,
        asEthOamMegCcmMismmergeCondition
            SeverityValue,
        asEthOamMegCcmUnexpectedMepCondition
            SeverityValue
    }

```

```

    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.3.1.1
asEthOamMegCcmIndex OBJECT-TYPE
    SYNTAX INTEGER (1..128)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asEthOamMegCcmFaultEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.3.1.2
asEthOamMegCcmFaultNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asEthOamMegCcmFaultEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.3.1.3
asEthOamMegCcmMismergeCondition OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-OAM Mismerge Alarm. The MEP received a CCM frame with
        correct MEG level but an incorrect MEG ID (Maintenance Domain
        Name)."
    ::= { asEthOamMegCcmFaultEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.3.1.3.1.4
asEthOamMegCcmUnexpectedMepCondition OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-OAM Unexpected MEP Alarm. The MEP Received a CCM frame with
        the correct MEG level and MEG ID, but unexpected MEP ID."
    ::= { asEthOamMegCcmFaultEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6
asFdbGroup OBJECT IDENTIFIER ::= { asETHGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.1
asFdbEquipmentTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsFdbEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Forwarding Database Status per Equipment."
    ::= { asFdbGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.1.1

```

```

asFdbEquipmentEntry OBJECT-TYPE
    SYNTAX AsFdbEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asFdbEquipmentNEAddress, asFdbEquipmentIndex }
    ::= { asFdbEquipmentTable 1 }

AsFdbEquipmentEntry ::=
    SEQUENCE {
        asFdbEquipmentIndex
            INTEGER,
        asFdbEquipmentNEAddress
            IpAddress,
        asFdbEquipmentLearningCount
            Gauge,
        asFdbEquipmentLearningLimitOver
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.1.1.1
asFdbEquipmentIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. This object is created per equipment."
    ::= { asFdbEquipmentEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.1.1.2
asFdbEquipmentNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asFdbEquipmentEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.1.1.3
asFdbEquipmentLearningCount OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Total FDB Dynamic Entry Count. the number of forwarding entries
        which is learned currently."
    ::= { asFdbEquipmentEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.1.1.4
asFdbEquipmentLearningLimitOver OBJECT-TYPE
    SYNTAX INTEGER
    {
        notReached(1),
        reached(2)
    }

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Total FDB Full. learning limit status. When
    'asFdbEquipmentLearningCount' reaches
    'provFdbEquipmentNumberOfLearningEntry', this object will be
    changed to 'reached'."
::= { asFdbEquipmentEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.2
asFdbPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsFdbPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asFdbGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.2.1
asFdbPortEntry OBJECT-TYPE
    SYNTAX AsFdbPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Forwarding Database Status per port."
    INDEX { asFdbPortNEAddress, asFdbPortIfIndex }
    ::= { asFdbPortTable 1 }

AsFdbPortEntry ::=
    SEQUENCE {
        asFdbPortIfIndex
            InterfaceIndex,
        asFdbPortNEAddress
            IpAddress,
        asFdbPortLearningCount
            Gauge,
        asFdbPortLearningLimitOver
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.2.1.1
asFdbPortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asFdbPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.2.1.2
asFdbPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."

```

```

::= { asFdbPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.2.1.3
asFdbPortLearningCount OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FDB Dynamic Entry Count. The number of forwarding entries which
        is learned currently."
    ::= { asFdbPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.2.1.4
asFdbPortLearningLimitOver OBJECT-TYPE
    SYNTAX INTEGER
        {
            notReached(1),
            reached(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FDB Full. learning limit status. When 'asFdbPortLearningCount'
        reaches corresponding 'provFdbPortLearningLimit', this object
        will be changed to 'reached'."
    ::= { asFdbPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.3
asFdbVlanTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsFdbVlanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Forwarding Database status per VLAN."
    ::= { asFdbGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.3.1
asFdbVlanEntry OBJECT-TYPE
    SYNTAX AsFdbVlanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asFdbVlanNEAddress, asFdbVlanIndex }
    ::= { asFdbVlanTable 1 }

AsFdbVlanEntry ::=
    SEQUENCE {
        asFdbVlanIndex
            INTEGER,
        asFdbVlanNEAddress
            IpAddress,
        asFdbVlanLearningCount
            Gauge,
        asFdbVlanLearningLimitOver

```



```

        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.3.1.1
asFdbVlanIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value is same as VLAN ID."
    ::= { asFdbVlanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.3.1.2
asFdbVlanNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asFdbVlanEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.3.1.3
asFdbVlanLearningCount OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FDB Dynamic Entry Count per VLAN. The number of forwarding
        entries which is learned currently."
    ::= { asFdbVlanEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.6.3.1.4
asFdbVlanLearningLimitOver OBJECT-TYPE
    SYNTAX INTEGER
        {
            notReached(1),
            reached(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FDB Full Per VLAN. Learning limit status. When
        'asFdbVlanLearningCount' reaches corresponding
        'provFdbVlanNumberOfLearningEntry', this object will be changed
        to 'reached'."
    ::= { asFdbVlanEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.7
asLlIfGroup OBJECT IDENTIFIER ::= { asETHGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.7.1
asLlIfGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsLlIfGroupEntry
    ACCESS not-accessible
    STATUS mandatory

```

DESCRIPTION

"Link Loss Forwarding(LLF) Status per LLF Group."

::= { asLlIfGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.7.1.1

asLlIfGroupEntry OBJECT-TYPE

SYNTAX AsLlIfGroupEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { asLlIfGroupNEAddress, asLlIfGroupIndex }

::= { asLlIfGroupTable 1 }

AsLlIfGroupEntry ::=

SEQUENCE {

asLlIfGroupIndex

INTEGER,

asLlIfGroupNEAddress

IpAddress,

asLlIfGroupForceClose

INTEGER,

asLlIfGroupTimeout

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.7.1.1.1

asLlIfGroupIndex OBJECT-TYPE

SYNTAX INTEGER (1..16)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table. The value means LLF Group Index."

::= { asLlIfGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.7.1.1.2

asLlIfGroupNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved."

::= { asLlIfGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.7.1.1.3

asLlIfGroupForceClose OBJECT-TYPE

SYNTAX INTEGER

{

not-forceclose(1),

forceclose(2)

}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"LLF close status. 'forceclose' means that edge port which is assigned to the LLF group is closed because of LLF."

```

::= { asLlIfGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.7.1.1.4
asLlIfGroupTimeout OBJECT-TYPE
    SYNTAX INTEGER
        {
            received(1),
            timeout(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "LLF Timeout Status. The periodic LLF messages is not received."
    ::= { asLlIfGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8
asETHPortGroup OBJECT IDENTIFIER ::= { asETHGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1
asETHPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsETHPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Ethernet Port Status Table."
    ::= { asETHPortGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1
asETHPortEntry OBJECT-TYPE
    SYNTAX AsETHPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asETHPortNEAddress, asETHPortIfIndex }
    ::= { asETHPortTable 1 }

AsETHPortEntry ::=
    SEQUENCE {
        asETHPortIfIndex
            InterfaceIndex,
        asETHPortNEAddress
            IpAddress,
        asETHPortSpeedDuplex
            INTEGER,
        asETHPortMDIMDIX
            INTEGER,
        asETHPortLinkStatus
            SeverityValue,
        asETHPortAdminStatus
            INTEGER,
        asETHPortSFPEquip
            SeverityValue,
        asETHPortSFPLos
            SeverityValue,

```

```

        asETHPortSFPTxError
            SeverityValue,
        asETHPortSFPTTypeMismatch
            SeverityValue,
        asETHPortOperStatus
            INTEGER,
        asETHPortLlfOamReceived
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.1
asETHPortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The administrative number which is assigned
        to the port uniquely."
    ::= { asETHPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.2
asETHPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { asETHPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.4
asETHPortSpeedDuplex OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            s10M-HALF(1),
            s10M-FULL(2),
            s100M-HALF(3),
            s100M-FULL(4),
            s1000M-FULL(5)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE Speed & Duplex Status."
    ::= { asETHPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.6
asETHPortMDIMDIX OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            mdi(1),
            mdi-x(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

        "GbE MDI / MDI-X Status."
        ::= { asETHPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.7
asETHPortLinkStatus OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE LAN Link Alarm."
    ::= { asETHPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.8
asETHPortAdminStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            force(2),
            oamSend(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE LLF Status. When the port is closed by LLF, the object will
        be changed to 'force'.
        But if 'provLlFPortMode' is configured to 'edgeOamSend', this
        object will be changed to 'oamSend' when the port is controlled
        by LLF."
    ::= { asETHPortEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.9
asETHPortSFPEquip OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE SFP Removed Alarm."
    ::= { asETHPortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.10
asETHPortSFPLos OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE ETH LOS Alarm."
    ::= { asETHPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.11
asETHPortSFPTxError OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE ETH TF (Transmit FAIL) Alarm."

```

```

::= { asETHPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.12
asETHPortSFPTYPEMismatch OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE SFP Type Mismatch Alarm. This object reports that the
        provisioned interface type and the installed media type are
        inconsistent."
    ::= { asETHPortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.13
asETHPortOperStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            linkDown(1),
            linkUp(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE ETH LAN Link Status. This object is not suppressed by the
        lower layer alarms."
    ::= { asETHPortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.13.8.1.1.14
asETHPortLlfoamReceived OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            normal(1),
            receive(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE LLF message receive status.
        When the port received LLF request messages, the object will
        return the value 'receive'."
    ::= { asETHPortEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14
asCommonGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.1
iduCommonTable OBJECT-TYPE
    SYNTAX SEQUENCE OF IduCommonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Equipment Configuration Status Table."
    ::= { asCommonGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.1.1
iduCommonEntry OBJECT-TYPE
    SYNTAX IduCommonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { iduCommonNEAddress, iduCommonIndex }
    ::= { iduCommonTable 1 }

IduCommonEntry ::=
    SEQUENCE {
        iduCommonIndex
            INTEGER,
        iduCommonNEAddress
            IpAddress,
        equipConfigStatus
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.1.1.1
iduCommonIndex OBJECT-TYPE
    SYNTAX INTEGER { iduCommon(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { iduCommonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.1.1.2
iduCommonNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reseved"
    ::= { iduCommonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.1.1.3
equipConfigStatus OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Equipment Configuration Status. The object is used for
        determining the status synchronization method for the manager
        entity."
    ::= { iduCommonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.3
asCardLicenseTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsCardLicenseEntry
    ACCESS not-accessible
    STATUS mandatory

```

DESCRIPTION

"Represents License inconsistency information per card."

::= { asCommonGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.3.1

asCardLicenseEntry OBJECT-TYPE

SYNTAX AsCardLicenseEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Card License Entry."

INDEX { asCardLicenseNEAddress, asCardLicenseIndex }

::= { asCardLicenseTable 1 }

AsCardLicenseEntry ::=

SEQUENCE {

asCardLicenseIndex

INTEGER,

asCardLicenseNEAddress

IpAddress,

asCardLicenseMismatch

SeverityValue

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.3.1.1

asCardLicenseIndex OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index for the entry.

The Entry is created per Ctrl Card and Option Card."

::= { asCardLicenseEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.3.1.2

asCardLicenseNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved."

::= { asCardLicenseEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.14.3.1.3

asCardLicenseMismatch OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Represents License Status per card.

Assert this alarm when the inconsistent configuration is performed. The Alarm will clear when the condition mentioned above is cleared.

for example, license upgrade, re-configuration within
licensed range

Note, usually the agent rejects inconsistent configuration

requests. But under the multiple chassis configuration,
the cascaded chassis can report this alarm."
::= { asCardLicenseEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4
equipmentSetUpGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.1
esCommonTable OBJECT-TYPE
SYNTAX SEQUENCE OF EsCommonEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
"Configure Card information."
::= { equipmentSetUpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.1.1
esCommonEntry OBJECT-TYPE
SYNTAX EsCommonEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
" "
INDEX { esCommonNEAddress, esCommonIndex }
::= { esCommonTable 1 }

EsCommonEntry ::=
SEQUENCE {
 esCommonIndex
 INTEGER,
 esCommonNEAddress
 IpAddress,
 esUserInterface
 INTEGER,
 esClk2mType
 INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.1.1.1
esCommonIndex OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION
"Index of this table."
::= { esCommonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.1.1.2
esCommonNEAddress OBJECT-TYPE
SYNTAX IpAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION
"reserverd."
::= { esCommonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.1.1.3

esUserInterface OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    notUsed(1),
    modem(2),
    e1(3),
    stm1(8),
    mse(9),
    aux(11),
    clk2m(13),
    ps(14),
    fan(15),
    main(17)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Equipment Configuration. This object configures card type to use."

::= { esCommonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.1.1.4

esClk2mType OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    notUsed(1),
    clk2m(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"EXT CLK Type. This object configures Clock card information.
This object is available only for SLOT whose card type is ctrl."

::= { esCommonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2

esModemTable OBJECT-TYPE

SYNTAX SEQUENCE OF EsModemEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Configure Radio Parameters."

::= { equipmentSetUpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1

esModemEntry OBJECT-TYPE

SYNTAX EsModemEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { esModemNEAddress, esModemIfIndex }

```
::= { esModemTable 1 }
```

```
EsModemEntry ::=
SEQUENCE {
    esModemIfIndex
        InterfaceIndex,
    esModemNEAddress
        IpAddress,
    esModemTxFreq
        DisplayString,
    esModemRxFreq
        DisplayString,
    esModemTxPowerCont
        INTEGER,
    esModemFrameID
        INTEGER,
    esModemModulation
        INTEGER,
    esModemChSpacing
        INTEGER,
    esModemAmrOperation
        OffOnValue,
    esModemAmrRangeQPSK
        OffOnValue,
    esModemAmrRange16QAM
        OffOnValue,
    esModemAmrRange32QAM
        OffOnValue,
    esModemAmrRange64QAM
        OffOnValue,
    esModemAmrRange128QAM
        OffOnValue,
    esModemAmrRange256QAM
        OffOnValue,
    esModemGroupSetting
        INTEGER,
    esModemRadioMode
        INTEGER,
    esTdmEtherMapping
        INTEGER,
    esTdmEtherMappingAmrQPSK
        INTEGER,
    esTdmEtherMappingAmr16QAM
        INTEGER,
    esTdmEtherMappingAmr32QAM
        INTEGER,
    esTdmEtherMappingAmr64QAM
        INTEGER,
    esTdmEtherMappingAmr128QAM
        INTEGER,
    esTdmEtherMappingAmr256QAM
        INTEGER,
    esTdmEtherMappingRst
        INTEGER,
    esTdmEtherMappingRstAmrQPSK
        INTEGER,
    esTdmEtherMappingRstAmr16QAM
        INTEGER,
    esTdmEtherMappingRstAmr32QAM
```

```

        INTEGER,
        esTdmEtherMappingRstAmr64QAM
        INTEGER,
        esTdmEtherMappingRstAmr128QAM
        INTEGER,
        esTdmEtherMappingRstAmr256QAM
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.1
esModemIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { esModemEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.2
esModemNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { esModemEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.3
esModemTxFreq OBJECT-TYPE
    SYNTAX DisplayString (SIZE (1..9))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Tx RF Frequency."
    ::= { esModemEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.4
esModemRxFreq OBJECT-TYPE
    SYNTAX DisplayString (SIZE (1..9))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Rx RF Frequency."
    ::= { esModemEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.5
esModemTxPowerCont OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            mtpc(1),
            atpc(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

"Tx Power Control."
 ::= { esModemEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.6

esModemFrameID OBJECT-TYPE

SYNTAX INTEGER (0..32)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Frame ID."

::= { esModemEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.7

esModemModulation OBJECT-TYPE

SYNTAX INTEGER

{
 invalid(0),
 qpsk(1),
 qam16(2),
 qam32(3),
 qam64(4),
 qam128(5),
 qam256(6)
 }

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Reference Modulation."

::= { esModemEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.8

esModemChSpacing OBJECT-TYPE

SYNTAX INTEGER

{
 invalid(0),
 cs7m(2),
 cs14m(3),
 cs28m(4),
 cs56m(5)
 }

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Channel Spacing."

::= { esModemEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.9

esModemAmrOperation OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"AMR Operation."

::= { esModemEntry 9 }

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.10
esModemAmrRangeQPSK OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AMR Range (QPSK)."
```

```
::= { esModemEntry 10 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.11
esModemAmrRange16QAM OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AMR Range (16QAM)."
```

```
::= { esModemEntry 11 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.12
esModemAmrRange32QAM OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AMR Range (32QAM)."
```

```
::= { esModemEntry 12 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.13
esModemAmrRange64QAM OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AMR Range (64QAM)."
```

```
::= { esModemEntry 13 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.14
esModemAmrRange128QAM OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AMR Range (128QAM)."
```

```
::= { esModemEntry 14 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.15
esModemAmrRange256QAM OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AMR Range (256QAM)."
```

```
::= { esModemEntry 15 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.17
esModemGroupSetting OBJECT-TYPE
    SYNTAX INTEGER
        {
            notUsed(0),
            group1(1),
            group2(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Radio Traffic Aggregation. The modem ports whose
        'esModemGroupSetting' has same value construct the Radio Link
        Aggregation.
        This configuration is automatically cleared when the SWG
        configuration ('esSWGConfiguration') is changed."
    ::= { esModemEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.18
esModemRadioMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            highCapacity(1),
            highSystemGain(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Radio Mode."
    ::= { esModemEntry 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.19
esTdmEtherMapping OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "E1 Mapping. This object configures the E1 channel count which is
        mapped to the radio link."
    ::= { esModemEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.20
esTdmEtherMappingAmrQPSK OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "E1 Mapping (QPSK). This object configures the E1 channel count
        which is mapped to the radio link running on QPSK on the AMR
        mode."
    ::= { esModemEntry 20 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.21
esTdmEtherMappingAmr16QAM OBJECT-TYPE
    SYNTAX INTEGER

```

ACCESS read-only
 STATUS mandatory
 DESCRIPTION

"E1 Mapping (16QAM). This object configures the E1 channel count which is mapped to the radio link running on 16QAM on the AMR mode."

::= { esModemEntry 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.22
 esTdmEtherMappingAmr32QAM OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION

"E1 Mapping (32QAM). This object configures the E1 channel count which is mapped to the radio link running on 32QAM on the AMR mode."

::= { esModemEntry 22 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.23
 esTdmEtherMappingAmr64QAM OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION

"E1 Mapping (64QAM). This object configures the E1 channel count which is mapped to the radio link running on 64QAM on the AMR mode."

::= { esModemEntry 23 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.24
 esTdmEtherMappingAmr128QAM OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION

"E1 Mapping (128QAM). This object configures the E1 channel count which is mapped to the radio link running on 128QAM on the AMR mode."

::= { esModemEntry 24 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.25
 esTdmEtherMappingAmr256QAM OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION

"E1 Mapping (256QAM). This object configures the E1 channel count which is mapped to the radio link running on 256QAM on the AMR mode."

::= { esModemEntry 25 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.26
 esTdmEtherMappingRst OBJECT-TYPE

SYNTAX INTEGER


```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "STM-1 Mapping. This object configures the STM-1 channel count
    which is mapped to the radio link."
::= { esModemEntry 26 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.27
esTdmEtherMappingRstAmrQPSK OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Mapping (QPSK). This object configures the STM-1 channel
        count which is mapped to the radio link running on QPSK on the
        AMR mode."
    ::= { esModemEntry 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.28
esTdmEtherMappingRstAmr16QAM OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Mapping (16QAM). This object configures the STM-1 channel
        count which is mapped to the radio link running on 16QAM on the
        AMR mode."
    ::= { esModemEntry 28 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.29
esTdmEtherMappingRstAmr32QAM OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Mapping (32QAM). This object configures the STM-1 channel
        count which is mapped to the radio link running on 32QAM on the
        AMR mode."
    ::= { esModemEntry 29 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.30
esTdmEtherMappingRstAmr64QAM OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Mapping (64QAM). This object configures the STM-1 channel
        count which is mapped to the radio link running on 64QAM on the
        AMR mode."
    ::= { esModemEntry 30 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.31
esTdmEtherMappingRstAmr128QAM OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "STM-1 Mapping (128QAM). This object configures the STM-1 channel
    count which is mapped to the radio link running on 128QAM on the
    AMR mode."
::= { esModemEntry 31 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.2.1.32
esTdmEtherMappingRstAmr256QAM OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Mapping (256QAM). This object configures the STM-1 channel
        count which is mapped to the radio link running on 256QAM on the
        AMR mode."
    ::= { esModemEntry 32 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.3
esModemSwGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF EsModemSwGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configures the MODEM Switch group and XPIC group."
    ::= { equipmentSetUpGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.3.1
esModemSwGroupEntry OBJECT-TYPE
    SYNTAX EsModemSwGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        ""
    INDEX { esModemSwGroupNEAddress, esModemSwGroupIfIndex }
    ::= { esModemSwGroupTable 1 }

EsModemSwGroupEntry ::=
    SEQUENCE {
        esModemSwGroupIfIndex
            InterfaceIndex,
        esModemSwGroupNEAddress
            IpAddress,
        esModemSwRowStatus
            INTEGER,
        esSWGConfiguration
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.3.1.1
esModemSwGroupIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."

```

```

::= { esModemSwGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.3.1.2
esModemSwGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { esModemSwGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.3.1.3
esModemSwRowStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            active(1),
            notInService(2),
            notReady(3),
            createAndGo(4),
            createAndWait(5),
            destroy(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RowStatus of this table."
    ::= { esModemSwGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.3.1.4
esSWGConfiguration OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            notUsed(1),
            hs1plus1(2),
            tp1plus1(3),
            xp1plus0(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM SW/XPIC Group Configuration. Configures the type of MODEM
        Switch group and XPIC group. Changing the SW/XPIC Group
        configuration will remove the CrossConnections and VLANs which
        are configured to the protection port."
    ::= { esModemSwGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.9
esStm1PortModeTable OBJECT-TYPE
    SYNTAX SEQUENCE OF EsStm1PortModeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configures the STM-1 Channel mode."
    ::= { equipmentSetUpGroup 9 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.9.1
esStm1PortModeEntry OBJECT-TYPE
    SYNTAX EsStm1PortModeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { esStm1PortModeNEAddress, esStm1PortModeIfIndex }
    ::= { esStm1PortModeTable 1 }

EsStm1PortModeEntry ::=
    SEQUENCE {
        esStm1PortModeIfIndex
        InterfaceIndex,
        esStm1PortModeNEAddress
        IpAddress,
        esStm1PortMode
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.9.1.1
esStm1PortModeIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index of this table."
    ::= { esStm1PortModeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.9.1.2
esStm1PortModeNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { esStm1PortModeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.4.9.1.3
esStm1PortMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        through(1),
        channelized(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "STM-1 Port Mode. Changing the port mode to other will remove the
        CrossConnections and Clock reference setting which are configured
        to that port."
    ::= { esStm1PortModeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5

```

provisioningGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1
 provAlarmGroup OBJECT IDENTIFIER ::= { provisioningGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.1
 provAlarmCommonTable OBJECT-TYPE
 SYNTAX SEQUENCE OF ProvAlarmCommonEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "Configures the system alarm mode."
 ::= { provAlarmGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.1.1
 provAlarmCommonEntry OBJECT-TYPE
 SYNTAX ProvAlarmCommonEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 ""
 INDEX { provAlarmCommonNEAddress, provAlarmCommonIndex }
 ::= { provAlarmCommonTable 1 }

ProvAlarmCommonEntry ::=
 SEQUENCE {
 provAlarmCommonIndex
 INTEGER,
 provAlarmCommonNEAddress
 IpAddress,
 alarmCorrelation
 OffOnValue,
 alarmDelay
 INTEGER,
 alarmStretch
 INTEGER
 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.1.1.1
 provAlarmCommonIndex OBJECT-TYPE
 SYNTAX INTEGER { alarm(1) }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "index of this table."
 ::= { provAlarmCommonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.1.1.2
 provAlarmCommonNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "reserved."
 ::= { provAlarmCommonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.1.1.3

alarmCorrelation OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Correlation Setting. Enables/Disables alarm correlation function."

::= { provAlarmCommonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.1.1.4

alarmDelay OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Delay Setting."

::= { provAlarmCommonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.1.1.5

alarmStretch OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Stretch Setting."

::= { provAlarmCommonEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.2

provAlarmEventTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvAlarmEventEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"configures the alarm severity value."

::= { provAlarmGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.2.1

provAlarmEventEntry OBJECT-TYPE

SYNTAX ProvAlarmEventEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provAlarmEventNEAddress, alarmEventIndex, alarmEventSourceCategory,

alarmEventElemId }

::= { provAlarmEventTable 1 }

ProvAlarmEventEntry ::=

SEQUENCE {

alarmEventIndex

INTEGER,

alarmEventSourceCategory

```

        INTEGER,
        alarmEventElemId
        INTEGER,
        provAlarmEventNEAddress
        IpAddress,
        alarmEventDelayStretchUsage
        UsedNotusedValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.2.1.1
alarmEventIndex OBJECT-TYPE
    SYNTAX INTEGER { alarmStateChange(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index of this table. The value is always alarmStateChange(1)."
```

::= { provAlarmEventEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.2.1.2
alarmEventSourceCategory OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index of this table. Each alarm is categorized depending on the
        generator of that alarm."
```

::= { provAlarmEventEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.2.1.3
alarmEventElemId OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index of this table. This object is administrative value which
        can distinguish the alarm among the alarmEventSourceCategory."
```

::= { provAlarmEventEntry 3 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.2.1.4
provAlarmEventNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
```

::= { provAlarmEventEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.1.2.1.8
alarmEventDelayStretchUsage OBJECT-TYPE
    SYNTAX UsedNotusedValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Delay Stretch Usage. Configures the usage of the delay/stretch
        behaviour."
```

::= { provAlarmEventEntry 8 }

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.2
provAlsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvAlsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configures Automatic Laser Shutdown mode."
    ::= { provisioningGroup 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.2.1
provAlsEntry OBJECT-TYPE
    SYNTAX ProvAlsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provAlsNEAddress, provAlsIfIndex }
    ::= { provAlsTable 1 }
```

```
ProvAlsEntry ::=
    SEQUENCE {
        provAlsIfIndex
            InterfaceIndex,
        provAlsNEAddress
            IpAddress,
        alsUsage
            EnableDisableValue,
        alsInterval
            INTEGER
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.2.1.1
provAlsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { provAlsEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.2.1.2
provAlsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { provAlsEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.2.1.3
alsUsage OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
```


DESCRIPTION

"ALS Usage. Enables/Disables ALS function of the STM-1 port."
 ::= { provAlsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.2.1.4

alsInterval OBJECT-TYPE

SYNTAX INTEGER

{
 invalid(0),
 sec60(1),
 sec180(2),
 sec300(3)
 }

ACCESS read-only

STATUS mandatory

DESCRIPTION

"ALS Interval."

::= { provAlsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3

provE1Group OBJECT IDENTIFIER ::= { provisioningGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3.1

provE1ChSetTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvE1ChSetEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Configure E1 Channel Parameters."

::= { provE1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3.1.1

provE1ChSetEntry OBJECT-TYPE

SYNTAX ProvE1ChSetEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provE1ChSetNEAddress, provE1ChSetIfIndex }

::= { provE1ChSetTable 1 }

ProvE1ChSetEntry ::=

SEQUENCE {

 provE1ChSetIfIndex
 InterfaceIndex,
 provE1ChSetNEAddress
 IpAddress,
 e1PortName
 DisplayString,
 chUsage
 UsedNotusedValue,
 chUsageErrorReport
 ReportNotreportValue,
 impedanceSetting
 INTEGER

```

    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3.1.1.1
provE1ChSetIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table"
    ::= { provE1ChSetEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3.1.1.2
provE1ChSetNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { provE1ChSetEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3.1.1.3
e1PortName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Port Name."
    ::= { provE1ChSetEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3.1.1.4
chUsage OBJECT-TYPE
    SYNTAX UsedNotusedValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "CH Usage."
    ::= { provE1ChSetEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3.1.1.5
chUsageErrorReport OBJECT-TYPE
    SYNTAX ReportNotreportValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "CH Usage Error Report."
    ::= { provE1ChSetEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.3.1.1.6
impedanceSetting OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            ohm120(1),
            ohm75(2)
        }

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Impedance."
::= { provE1ChSetEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4
provAisGroup OBJECT IDENTIFIER ::= { provisioningGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.1
provAisGenerationTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvAisGenerationEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configures AIS Generation Mode of STM-1 Port."
    ::= { provAisGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.1.1
provAisGenerationEntry OBJECT-TYPE
    SYNTAX ProvAisGenerationEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provAisGenerationNEAddress, provAisGenerationIfIndex }
    ::= { provAisGenerationTable 1 }

ProvAisGenerationEntry ::=
    SEQUENCE {
        provAisGenerationIfIndex
            InterfaceIndex,
        provAisGenerationNEAddress
            IpAddress,
        msAisGeneration
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.1.1.1
provAisGenerationIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of the table."
    ::= { provAisGenerationEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.1.1.2
provAisGenerationNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { provAisGenerationEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.1.1.3

msAisGeneration OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    shutdown(1),
    output(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"MS-AIS Generation. This object configures the behaviour of STM-1 Port on receiving AIS from Radio link."

::= { provAisGenerationEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2

provAisSettingTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvAisSettingEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Configures AIS Generate condition."

::= { provAisGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2.1

provAisSettingEntry OBJECT-TYPE

SYNTAX ProvAisSettingEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provAisSettingNEAddress, provAisSettingIndex }

::= { provAisSettingTable 1 }

ProvAisSettingEntry ::=

SEQUENCE {

```
    provAisSettingIndex
        INTEGER,
    provAisSettingNEAddress
        IpAddress,
    aisActivationDelay
        OffOnValue,
    aisActivationCond
        INTEGER,
    aisGeneratedReport
        ReportNotreportValue,
    aisReceivedReport
        ReportNotreportValue,
    aisReceivedCondSet
        INTEGER
}
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2.1.1

provAisSettingIndex OBJECT-TYPE

SYNTAX INTEGER

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Index of this table."
::= { provAisSettingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2.1.2
provAisSettingNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { provAisSettingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2.1.3
aisActivationDelay OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AIS Activation Delay."
    ::= { provAisSettingEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2.1.4
aisActivationCond OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            lofHighber(1),
            lof(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AIS Activation Condition."
    ::= { provAisSettingEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2.1.5
aisGeneratedReport OBJECT-TYPE
    SYNTAX ReportNotreportValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AIS Generated Report (E1/STM-1). This object enables the
        notification on generating the AIS on the E1 channel/STM-1 port."
    ::= { provAisSettingEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2.1.6
aisReceivedReport OBJECT-TYPE
    SYNTAX ReportNotreportValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AIS Received Report (E1). This object enables the notification

```

```

        on receiving the AIS on the E1 channel."
    ::= { provAisSettingEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.4.2.1.7
aisReceivedCondSet OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            alarm(1),
            status(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AIS Received Condition (E1). When the object is set to 'alarm',
        the AIS receive event will be reported as alarm event."
    ::= { provAisSettingEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5
provRadioSettingGroup OBJECT IDENTIFIER ::= { provisioningGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.1
provModemSettingTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvModemSettingEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configures MODEM Port parameters."
    ::= { provRadioSettingGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.1.1
provModemSettingEntry OBJECT-TYPE
    SYNTAX ProvModemSettingEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provModemSettingNEAddress, provModemSettingIfIndex }
    ::= { provModemSettingTable 1 }

ProvModemSettingEntry ::=
    SEQUENCE {
        provModemSettingIfIndex
            InterfaceIndex,
        provModemSettingNEAddress
            IpAddress,
        modemPortName
            DisplayString,
        headerCompress
            EnableDisableValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.1.1.1
provModemSettingIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Index of this tables."
::= { provModemSettingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.1.1.2
provModemSettingNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { provModemSettingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.1.1.3
modemPortName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Port Name."
    ::= { provModemSettingEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.1.1.4
headerCompress OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Enables/Disables Header compression."
    ::= { provModemSettingEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2
provSWCondTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvSWCondEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configures Tx/Rx Sw Conditions."
    ::= { provRadioSettingGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2.1
provSWCondEntry OBJECT-TYPE
    SYNTAX ProvSWCondEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provSWCondNEAddress, provSWCondIfIndex }
    ::= { provSWCondTable 1 }

ProvSWCondEntry ::=
    SEQUENCE {

```

```

        provSWCondIfIndex
            InterfaceIndex,
        provSWCondNEAddress
            IpAddress,
        txSwPriority
            INTEGER,
        rxSwPriority
            INTEGER,
        txSwLockinUsage
            UsedNotusedValue,
        reverseFunctionUsage
            UsedNotusedValue,
        rxSwEwCondition
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2.1.1
provSWCondIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { provSWCondEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2.1.2
provSWCondNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { provSWCondEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2.1.3
txSwPriority OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        no1(1),
        nonPriority(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Tx SW Priority."
    ::= { provSWCondEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2.1.4
rxSwPriority OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        no1(1),
        nonPriority(2)
    }
    ACCESS read-only

```



```

STATUS mandatory
DESCRIPTION
    "Rx SW Priority."
::= { provSWCondEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2.1.5
txSwLockinUsage OBJECT-TYPE
    SYNTAX UsedNotusedValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Tx SW Lock-in Usage."
    ::= { provSWCondEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2.1.9
reverseFunctionUsage OBJECT-TYPE
    SYNTAX UsedNotusedValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Tx SW Reverse Function Usage."
    ::= { provSWCondEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.2.1.10
rxSwEwCondition OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            include(1),
            exclude(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Rx SW Condition Early Warning. This object determines the Early
        Warning is included as Rx Sw trigger or not."
    ::= { provSWCondEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.4
provAmrSWCondTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvAmrSWCondEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configure AMR modulation switch condition."
    ::= { provRadioSettingGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.4.1
provAmrSWCondEntry OBJECT-TYPE
    SYNTAX ProvAmrSWCondEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        ""
    INDEX { provAmrSWCondNEAddress, provAmrSWCondIfIndex }

```

```

::= { provAmrSWCondTable 1 }

ProvAmrSWCondEntry ::=
    SEQUENCE {
        provAmrSWCondIfIndex
            InterfaceIndex,
        provAmrSWCondNEAddress
            IpAddress,
        amrSwitchCondition
            INTEGER,
        amrSwitchTransition
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.4.1.1
provAmrSWCondIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index of this table."
    ::= { provAmrSWCondEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.4.1.2
provAmrSWCondNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { provAmrSWCondEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.4.1.3
amrSwitchCondition OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        cnrRsl(1),
        cnr(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "AMR Switch Condition. This object determines the AMR modulation
        switch condition includes Receive Signal Level or not."
    ::= { provAmrSWCondEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.5.4.1.4
amrSwitchTransition OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        normal(1),
        sensitive(2)
    }
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "AMR Switch Transition."
::= { provAmrSWCondEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6
provTxPowerContTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTxPowerContEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configures the Tx Power Control."
    ::= { provisioningGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6.1
provTxPowerContEntry OBJECT-TYPE
    SYNTAX ProvTxPowerContEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTxPowerContNEAddress, provTxPowerContIfIndex }
    ::= { provTxPowerContTable 1 }

ProvTxPowerContEntry ::=
    SEQUENCE {
        provTxPowerContIfIndex
            InterfaceIndex,
        provTxPowerContNEAddress
            IpAddress,
        atpcRangeMax
            INTEGER,
        atpcRangeMin
            INTEGER,
        atpcHysteresis
            INTEGER,
        mtpcTxPower
            INTEGER,
        rxThresholdLevel
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6.1.1
provTxPowerContIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { provTxPowerContEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6.1.2
provTxPowerContNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    "reserved."
::= { provTxPowerContEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6.1.3
atpcRangeMax OBJECT-TYPE
    SYNTAX INTEGER (-380..400)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provTxPowerContEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6.1.4
atpcRangeMin OBJECT-TYPE
    SYNTAX INTEGER (-380..400)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provTxPowerContEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6.1.5
atpcHysteresis OBJECT-TYPE
    SYNTAX INTEGER (0..9)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provTxPowerContEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6.1.6
mtpcTxPower OBJECT-TYPE
    SYNTAX INTEGER (-380..400)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provTxPowerContEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.6.1.7
rxThresholdLevel OBJECT-TYPE
    SYNTAX INTEGER (-90..-30)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG

```

```

        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provTxPowerContEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.7
provAlmModeTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvAlmModeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provisioningGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.7.1
provAlmModeEntry OBJECT-TYPE
    SYNTAX ProvAlmModeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provAlmModeNEAddress, provAlmModeIfIndex }
    ::= { provAlmModeTable 1 }

ProvAlmModeEntry ::=
    SEQUENCE {
        provAlmModeIfIndex
            InterfaceIndex,
        provAlmModeNEAddress
            IpAddress,
        atpcPowerModeSet
            INTEGER,
        oduCommAlmModeSet
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.7.1.1
provAlmModeIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provAlmModeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.7.1.2
provAlmModeNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provAlmModeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.7.1.3
atpcPowerModeSet OBJECT-TYPE

```

```

SYNTAX INTEGER
{
    invalid(0),
    max(1),
    min(2),
    hold(3)
}
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='MAX(1),MIN(2),HOLD(3)'
    TRAP=controlEvent"
::= { provAlmModeEntry 3 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.7.1.4

oduCommAlmModeSet OBJECT-TYPE

```

SYNTAX INTEGER
{
    invalid(0),
    mute(1),
    hold(2)
}
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='NUTE(1),HOLD(2)'
    TRAP=controlEvent"
::= { provAlmModeEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8

provBERThresholdGroup OBJECT IDENTIFIER ::= { provisioningGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.1

provRadioBERThresholdTable OBJECT-TYPE

```

SYNTAX SEQUENCE OF ProvRadioBERThresholdEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    " "
::= { provBERThresholdGroup 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.1.1

provRadioBERThresholdEntry OBJECT-TYPE

```

SYNTAX ProvRadioBERThresholdEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    " "
INDEX { provRadioBERThresholdNEAddress, provRadioBERThresholdIfIndex }
::= { provRadioBERThresholdTable 1 }

```

```

ProvRadioBERThresholdEntry ::=
    SEQUENCE {

```

```

        provRadioBERThresholdIfIndex
            InterfaceIndex,
        provRadioBERThresholdNEAddress
            IpAddress,
        highBER
            INTEGER,
        lowBER
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.1.1.1
provRadioBERThresholdIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRadioBERThresholdEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.1.1.2
provRadioBERThresholdNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRadioBERThresholdEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.1.1.3
highBER OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            ber1e2(1),
            ber1e3(2),
            ber1e4(3),
            ber1e5(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='1E-3(1),1E-4(2),1E-5(3)'
        TRAP=controlEvent"
    ::= { provRadioBERThresholdEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.1.1.4
lowBER OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            ber1e6(1),
            ber1e7(2),
            ber1e8(3),
            ber1e9(4)
        }
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='1E-6(1),1E-7(2),1E-8(3),1E-9(4)'
    TRAP=controlEvent"
::= { provRadioBERThresholdEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.2
provStm1BERThresholdTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvStm1BERThresholdEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provBERThresholdGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.2.1
provStm1BERThresholdEntry OBJECT-TYPE
    SYNTAX ProvStm1BERThresholdEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provStm1BERThresholdNEAddress, provStm1BERThresholdIfIndex }
    ::= { provStm1BERThresholdTable 1 }

ProvStm1BERThresholdEntry ::=
    SEQUENCE {
        provStm1BERThresholdIfIndex
            InterfaceIndex,
        provStm1BERThresholdNEAddress
            IpAddress,
        eBER
            INTEGER,
        sd
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.2.1.1
provStm1BERThresholdIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1BERThresholdEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.2.1.2
provStm1BERThresholdNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1BERThresholdEntry 2 }

```


-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.2.1.3

eBER OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    ber1e3(1),
    ber1e4(2),
    ber1e5(3)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

```
"FLAG=TRAP|EVLOG
LOGSTATUS='1E-3(1),1E-4(2),1E-5(3)'
TRAP=controlEvent"
```

::= { provStm1BERThresholdEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.8.2.1.4

sd OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    ber1e5(1),
    ber1e6(2),
    ber1e7(3),
    ber1e8(4),
    ber1e9(5)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

```
"FLAG=TRAP|EVLOG
LOGSTATUS='1E-5(1),1E-6(2),1E-7(3),1E-8(4),1E-9(5)'
TRAP=controlEvent"
```

::= { provStm1BERThresholdEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.9

provPMONSelectTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvPMONSelectEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provisioningGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.9.1

provPMONSelectEntry OBJECT-TYPE

SYNTAX ProvPMONSelectEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provPMONSelectNEAddress, provPMONSelectIfIndex }

::= { provPMONSelectTable 1 }

```

ProvPMONSelectEntry ::=
    SEQUENCE {
        provPMONSelectIfIndex
            INTEGER,
        provPMONSelectNEAddress
            IpAddress,
        pmonRxLevelTCNThreshold
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.9.1.1
provPMONSelectIfIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPMONSelectEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.9.1.2
provPMONSelectNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPMONSelectEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.9.1.3
pmonRxLevelTCNThreshold OBJECT-TYPE
    SYNTAX INTEGER (-99..-30)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provPMONSelectEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10
provTCNThresholdGroup OBJECT IDENTIFIER ::= { provisioningGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.1
provTCNThreshold15minRadioGroup OBJECT IDENTIFIER ::= { provTCNThresholdGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.1.1
provTCNThreshold15minRadioTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold15minRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minRadioGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.1.1.1
provTCNThreshold15minRadioEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold15minRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTCNThreshold15minRadioNEAddress, provTCNThreshold15minModemIfIndex,
provTCNThreshold15minModemMonitorName }
    ::= { provTCNThreshold15minRadioTable 1 }

```

```

ProvTCNThreshold15minRadioEntry ::=
    SEQUENCE {
        provTCNThreshold15minModemIfIndex
            InterfaceIndex,
        provTCNThreshold15minModemMonitorName
            INTEGER,
        provTCNThreshold15minRadioNEAddress
            IpAddress,
        provTCNThreshold15minRfOccurValue
            INTEGER,
        provTCNThreshold15minRfRecoverValue
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.1.1.1.1
provTCNThreshold15minModemIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minRadioEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.1.1.1.2
provTCNThreshold15minModemMonitorName OBJECT-TYPE
    SYNTAX INTEGER
        {
            bbe(1),
            es(2),
            ses(3),
            sep(4),
            uas(5),
            ofs(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minRadioEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.1.1.1.3
provTCNThreshold15minRadioNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

" "
::= { provTCNThreshold15minRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.1.1.1.4
provTCNThreshold15minRfOccurValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15minRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.1.1.1.5
provTCNThreshold15minRfRecoverValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15minRadioEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2
provTCNThreshold15minCableGroup OBJECT IDENTIFIER ::= { provTCNThresholdGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1
provTCNThreshold15minThroughModeGroup OBJECT IDENTIFIER ::=
{ provTCNThreshold15minCableGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.1
provTCNThreshold15minTmRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold15minTmRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minThroughModeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.1.1
provTCNThreshold15minTmRsEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold15minTmRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTCNThreshold15minTmRsNEAddress, provTCNThreshold15minTmRsIfIndex,
provTCNThreshold15minTmRsMonitorName }
    ::= { provTCNThreshold15minTmRsTable 1 }

ProvTCNThreshold15minTmRsEntry ::=
    SEQUENCE {
        provTCNThreshold15minTmRsIfIndex

```

```

        InterfaceIndex,
        provTCNThreshold15minTmRsMonitorName
        INTEGER,
        provTCNThreshold15minTmRsNEAddress
        IpAddress,
        provTCNThreshold15minTmRsOccurValue
        INTEGER,
        provTCNThreshold15minTmRsRecoverValue
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.1.1.1
provTCNThreshold15minTmRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minTmRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.1.1.2
provTCNThreshold15minTmRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5),
        ofs(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minTmRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.1.1.3
provTCNThreshold15minTmRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.1.1.4
provTCNThreshold15minTmRsOccurValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15minTmRsEntry 4 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.1.1.5
provTCNThreshold15minTmRsRecoverValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15minTmRsEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.2
provTCNThreshold15minTmDMRRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold15minTmDMRRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minThroughModeGroup 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.2.1
provTCNThreshold15minTmDMRRsEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold15minTmDMRRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTCNThreshold15minTmDMRRsNEAddress,
    provTCNThreshold15minTmDMRRsIfIndex, provTCNThreshold15minTmDMRRsMonitorName }
    ::= { provTCNThreshold15minTmDMRRsTable 1 }
```

```
ProvTCNThreshold15minTmDMRRsEntry ::=
    SEQUENCE {
        provTCNThreshold15minTmDMRRsIfIndex
            InterfaceIndex,
        provTCNThreshold15minTmDMRRsMonitorName
            INTEGER,
        provTCNThreshold15minTmDMRRsNEAddress
            IpAddress,
        provTCNThreshold15minTmDMRRsOccurValue
            INTEGER,
        provTCNThreshold15minTmDMRRsRecoverValue
            INTEGER
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.2.1.1
provTCNThreshold15minTmDMRRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minTmDMRRsEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.2.1.2
provTCNThreshold15minTmDMRRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
```

```

        {
            bbe(1),
            es(2),
            ses(3),
            sep(4),
            uas(5),
            ofs(6)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    " "
::= { provTCNThreshold15minTmDMRRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.2.1.3
provTCNThreshold15minTmDMRRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minTmDMRRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.2.1.4
provTCNThreshold15minTmDMRRsOccurValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15minTmDMRRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.1.2.1.5
provTCNThreshold15minTmDMRRsRecoverValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15minTmDMRRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2
provTCNThreshold15minChannelizedModeGroup OBJECT IDENTIFIER ::=
{ provTCNThreshold15minCableGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.1
provTCNThreshold15minChRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold15minChRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minChannelizedModeGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.1.1
provTCNThreshold15minChRsEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold15minChRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { provTCNThreshold15minChRsNEAddress, provTCNThreshold15minChRsIfIndex,
provTCNThreshold15minChRsMonitorName }
    ::= { provTCNThreshold15minChRsTable 1 }

ProvTCNThreshold15minChRsEntry ::=
    SEQUENCE {
        provTCNThreshold15minChRsIfIndex
            InterfaceIndex,
        provTCNThreshold15minChRsMonitorName
            INTEGER,
        provTCNThreshold15minChRsNEAddress
            IpAddress,
        provTCNThreshold15minChRsOccurValue
            INTEGER,
        provTCNThreshold15minChRsRecoverValue
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.1.1.1
provTCNThreshold15minChRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provTCNThreshold15minChRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.1.1.2
provTCNThreshold15minChRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5),
        ofs(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provTCNThreshold15minChRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.1.1.3
provTCNThreshold15minChRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only

```


STATUS mandatory
DESCRIPTION
" "

::= { provTCNThreshold15minChRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.1.1.4
provTCNThreshold15minChRsOccurValue OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION
"FLAG=TRAP|EVLOG
TRAP=controlEvent"
::= { provTCNThreshold15minChRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.1.1.5
provTCNThreshold15minChRsRecoverValue OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION
"FLAG=TRAP|EVLOG
TRAP=controlEvent"
::= { provTCNThreshold15minChRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.2
provTCNThreshold15minChMsTable OBJECT-TYPE
SYNTAX SEQUENCE OF ProvTCNThreshold15minChMsEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
" "
::= { provTCNThreshold15minChannelizedModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.2.1
provTCNThreshold15minChMsEntry OBJECT-TYPE
SYNTAX ProvTCNThreshold15minChMsEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
" "
INDEX { provTCNThreshold15minChMsNEAddress, provTCNThreshold15minChMsIfIndex,
provTCNThreshold15minChMsMonitorName }
::= { provTCNThreshold15minChMsTable 1 }

ProvTCNThreshold15minChMsEntry ::=
SEQUENCE {
provTCNThreshold15minChMsIfIndex
InterfaceIndex,
provTCNThreshold15minChMsMonitorName
INTEGER,
provTCNThreshold15minChMsNEAddress
IpAddress,
provTCNThreshold15minChMsOccurValue
INTEGER,

```

        provTCNThreshold15minChMsRecoverValue
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.2.1.1
provTCNThreshold15minChMsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minChMsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.2.1.2
provTCNThreshold15minChMsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minChMsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.2.1.3
provTCNThreshold15minChMsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15minChMsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.2.1.4
provTCNThreshold15minChMsOccurValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15minChMsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.2.2.1.5
provTCNThreshold15minChMsRecoverValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"

```

```
::= { provTCNThreshold15minChMsEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.3
provTCNThreshold15min16E1Group OBJECT IDENTIFIER ::=
{ provTCNThreshold15minCableGroup 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.3.1
provTCNThreshold15min16E1PdhTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold15min16E1PdhEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
```

```
::= { provTCNThreshold15min16E1Group 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.3.1.1
provTCNThreshold15min16E1PdhEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold15min16E1PdhEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
```

```
    INDEX { provTCNThreshold15min16E1PdhNEAddress,
provTCNThreshold15min16E1PdhIfIndex, provTCNThreshold15min16E1PdhMonitorName }
    ::= { provTCNThreshold15min16E1PdhTable 1 }
```

```
ProvTCNThreshold15min16E1PdhEntry ::=
    SEQUENCE {
        provTCNThreshold15min16E1PdhIfIndex
            InterfaceIndex,
        provTCNThreshold15min16E1PdhMonitorName
            INTEGER,
        provTCNThreshold15min16E1PdhNEAddress
            IpAddress,
        provTCNThreshold15min16E1PdhOccurValue
            Gauge,
        provTCNThreshold15min16E1PdhRecoverValue
            Gauge
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.3.1.1.1
provTCNThreshold15min16E1PdhIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15min16E1PdhEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.3.1.1.2
provTCNThreshold15min16E1PdhMonitorName OBJECT-TYPE
    SYNTAX INTEGER { cv(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
```

```

" "
::= { provTCNThreshold15min16E1PdhEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.3.1.1.3
provTCNThreshold15min16E1PdhNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold15min16E1PdhEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.3.1.1.4
provTCNThreshold15min16E1PdhOccurValue OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15min16E1PdhEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.2.3.1.1.5
provTCNThreshold15min16E1PdhRecoverValue OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold15min16E1PdhEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.3
provTCNThreshold1dayRadioGroup OBJECT IDENTIFIER ::= { provTCNThresholdGroup 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.3.1
provTCNThreshold1dayRadioTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold1dayRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayRadioGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.3.1.1
provTCNThreshold1dayRadioEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold1dayRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTCNThreshold1dayRadioNEAddress, provTCNThreshold1dayModemIfIndex,
    provTCNThreshold1dayModemMonitorName }
    ::= { provTCNThreshold1dayRadioTable 1 }

```

```

ProvTCNThreshold1dayRadioEntry ::=
    SEQUENCE {
        provTCNThreshold1dayModemIfIndex
            InterfaceIndex,
        provTCNThreshold1dayModemMonitorName
            INTEGER,
        provTCNThreshold1dayRadioNEAddress
            IpAddress,
        provTCNThreshold1dayRfOccurValue
            INTEGER,
        provTCNThreshold1dayRfRecoverValue
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.3.1.1.1
provTCNThreshold1dayModemIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayRadioEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.3.1.1.2
provTCNThreshold1dayModemMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5),
        ofs(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayRadioEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.3.1.1.3
provTCNThreshold1dayRadioNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.3.1.1.4
provTCNThreshold1dayRfOccurValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1dayRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.3.1.1.5
provTCNThreshold1dayRfRecoverValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1dayRadioEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4
provTCNThreshold1dayCableGroup OBJECT IDENTIFIER ::= { provTCNThresholdGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1
provTCNThreshold1dayThroughModeGroup OBJECT IDENTIFIER ::=
{ provTCNThreshold1dayCableGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.1
provTCNThreshold1dayTmRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold1dayTmRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayThroughModeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.1.1
provTCNThreshold1dayTmRsEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold1dayTmRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTCNThreshold1dayTmRsNEAddress, provTCNThreshold1dayTmRsIfIndex,
provTCNThreshold1dayTmRsMonitorName }
    ::= { provTCNThreshold1dayTmRsTable 1 }

ProvTCNThreshold1dayTmRsEntry ::=
    SEQUENCE {
        provTCNThreshold1dayTmRsIfIndex
            InterfaceIndex,
        provTCNThreshold1dayTmRsMonitorName
            INTEGER,
        provTCNThreshold1dayTmRsNEAddress
            IpAddress,
        provTCNThreshold1dayTmRsOccurValue
            INTEGER,
        provTCNThreshold1dayTmRsRecoverValue
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.1.1.1
provTCNThreshold1dayTmRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayTmRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.1.1.2
provTCNThreshold1dayTmRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
        {
            bbe(1),
            es(2),
            ses(3),
            sep(4),
            uas(5),
            ofs(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayTmRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.1.1.3
provTCNThreshold1dayTmRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.1.1.4
provTCNThreshold1dayTmRsOccurValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1dayTmRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.1.1.5
provTCNThreshold1dayTmRsRecoverValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1dayTmRsEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.2
provTCNThreshold1dayTmDMRRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold1dayTmDMRRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayThroughModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.2.1
provTCNThreshold1dayTmDMRRsEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold1dayTmDMRRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTCNThreshold1dayTmDMRRsNEAddress,
provTCNThreshold1dayTmDMRRsIfIndex, provTCNThreshold1dayTmDMRRsMonitorName }
    ::= { provTCNThreshold1dayTmDMRRsTable 1 }

ProvTCNThreshold1dayTmDMRRsEntry ::=
    SEQUENCE {
        provTCNThreshold1dayTmDMRRsIfIndex
            InterfaceIndex,
        provTCNThreshold1dayTmDMRRsMonitorName
            INTEGER,
        provTCNThreshold1dayTmDMRRsNEAddress
            IpAddress,
        provTCNThreshold1dayTmDMRRsOccurValue
            INTEGER,
        provTCNThreshold1dayTmDMRRsRecoverValue
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.2.1.1
provTCNThreshold1dayTmDMRRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayTmDMRRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.2.1.2
provTCNThreshold1dayTmDMRRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5),
        ofs(6)
    }
    ACCESS read-only
    STATUS mandatory

```


DESCRIPTION

" "

::= { provTCNThreshold1dayTmDMRRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.2.1.3

provTCNThreshold1dayTmDMRRsNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provTCNThreshold1dayTmDMRRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.2.1.4

provTCNThreshold1dayTmDMRRsOccurValue OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"FLAG=TRAP|EVLOG

TRAP=controlEvent"

::= { provTCNThreshold1dayTmDMRRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.1.2.1.5

provTCNThreshold1dayTmDMRRsRecoverValue OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"FLAG=TRAP|EVLOG

TRAP=controlEvent"

::= { provTCNThreshold1dayTmDMRRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2

provTCNThreshold1dayChannelizedModeGroup OBJECT IDENTIFIER ::=

{ provTCNThreshold1dayCableGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.1

provTCNThreshold1dayChRsTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvTCNThreshold1dayChRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provTCNThreshold1dayChannelizedModeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.1.1

provTCNThreshold1dayChRsEntry OBJECT-TYPE

SYNTAX ProvTCNThreshold1dayChRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provTCNThreshold1dayChRsNEAddress, provTCNThreshold1dayChRsIfIndex,

```

provTCNThreshold1dayChRsMonitorName }
    ::= { provTCNThreshold1dayChRsTable 1 }

ProvTCNThreshold1dayChRsEntry ::=
    SEQUENCE {
        provTCNThreshold1dayChRsIfIndex
            InterfaceIndex,
        provTCNThreshold1dayChRsMonitorName
            INTEGER,
        provTCNThreshold1dayChRsNEAddress
            IpAddress,
        provTCNThreshold1dayChRsOccurValue
            INTEGER,
        provTCNThreshold1dayChRsRecoverValue
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.1.1.1
provTCNThreshold1dayChRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayChRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.1.1.2
provTCNThreshold1dayChRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5),
        ofs(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayChRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.1.1.3
provTCNThreshold1dayChRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayChRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.1.1.4
provTCNThreshold1dayChRsOccurValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    TRAP=controlEvent"
::= { provTCNThreshold1dayChRsEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.1.1.5
provTCNThreshold1dayChRsRecoverValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1dayChRsEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.2
provTCNThreshold1dayChMsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold1dayChMsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayChannelizedModeGroup 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.2.1
provTCNThreshold1dayChMsEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold1dayChMsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTCNThreshold1dayChMsNEAddress, provTCNThreshold1dayChMsIfIndex,
    provTCNThreshold1dayChMsMonitorName }
    ::= { provTCNThreshold1dayChMsTable 1 }

```

```

ProvTCNThreshold1dayChMsEntry ::=
    SEQUENCE {
        provTCNThreshold1dayChMsIfIndex
            InterfaceIndex,
        provTCNThreshold1dayChMsMonitorName
            INTEGER,
        provTCNThreshold1dayChMsNEAddress
            IpAddress,
        provTCNThreshold1dayChMsOccurValue
            INTEGER,
        provTCNThreshold1dayChMsRecoverValue
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.2.1.1
provTCNThreshold1dayChMsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

" "
::= { provTCNThreshold1dayChMsEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.2.1.2
provTCNThreshold1dayChMsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        bbe(1),
        es(2),
        ses(3),
        sep(4),
        uas(5)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayChMsEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.2.1.3
provTCNThreshold1dayChMsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTCNThreshold1dayChMsEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.2.1.4
provTCNThreshold1dayChMsOccurValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1dayChMsEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.2.2.1.5
provTCNThreshold1dayChMsRecoverValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1dayChMsEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.3
provTCNThreshold1day16E1Group OBJECT IDENTIFIER ::=
{ provTCNThreshold1dayCableGroup 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.3.1
provTCNThreshold1day16E1PdhTable OBJECT-TYPE

```

SYNTAX SEQUENCE OF ProvTCNThreshold1day16E1PdhEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 " "

::= { provTCNThreshold1day16E1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.3.1.1
 provTCNThreshold1day16E1PdhEntry OBJECT-TYPE
 SYNTAX ProvTCNThreshold1day16E1PdhEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 " "

INDEX { provTCNThreshold1day16E1PdhNEAddress,
 provTCNThreshold1day16E1PdhIfIndex, provTCNThreshold1day16E1PdhMonitorName }
 ::= { provTCNThreshold1day16E1PdhTable 1 }

ProvTCNThreshold1day16E1PdhEntry ::=
 SEQUENCE {
 provTCNThreshold1day16E1PdhIfIndex
 InterfaceIndex,
 provTCNThreshold1day16E1PdhMonitorName
 INTEGER,
 provTCNThreshold1day16E1PdhNEAddress
 IpAddress,
 provTCNThreshold1day16E1PdhOccurValue
 Gauge,
 provTCNThreshold1day16E1PdhRecoverValue
 Gauge
 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.3.1.1.1
 provTCNThreshold1day16E1PdhIfIndex OBJECT-TYPE
 SYNTAX InterfaceIndex
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 " "
 ::= { provTCNThreshold1day16E1PdhEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.3.1.1.2
 provTCNThreshold1day16E1PdhMonitorName OBJECT-TYPE
 SYNTAX INTEGER { cv(1) }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 " "
 ::= { provTCNThreshold1day16E1PdhEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.3.1.1.3
 provTCNThreshold1day16E1PdhNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION

```

" "
::= { provTCNThreshold1day16E1PdhEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.3.1.1.4
provTCNThreshold1day16E1PdhOccurValue OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1day16E1PdhEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.4.3.1.1.5
provTCNThreshold1day16E1PdhRecoverValue OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provTCNThreshold1day16E1PdhEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5
provTCNThreshold15minRmonGroup OBJECT IDENTIFIER ::= { provTCNThresholdGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1
provTCNThreshold15minRmonTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold15minRmonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "TCN Threshold 15min"
    ::= { provTCNThreshold15minRmonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1
provTCNThreshold15minRmonEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold15minRmonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "TCN Threshold 15min"
    INDEX { provTCNThreshold15minRmonNEAddress, provTCNThreshold15minRmonIndex }
    ::= { provTCNThreshold15minRmonTable 1 }

ProvTCNThreshold15minRmonEntry ::=
    SEQUENCE {
        provTCNThreshold15minRmonIndex
            INTEGER,
        provTCNThreshold15minRmonNEAddress
            IpAddress,
        provTCNThreshold15minHCRxEthStatsDropEvents
            Gauge,
        provTCNThreshold15minHCRxEthStatsUndersizePkts

```

```

        Gauge,
        provTCNThreshold15minHCRxEthStatsFragments
        Gauge,
        provTCNThreshold15minHCRxEthStatsCRCAlignErrors
        Gauge,
        provTCNThreshold15minHCRxEthStatsOversizePkts
        Gauge,
        provTCNThreshold15minHCTxEthStatsCollisions
        Gauge
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1.1
provTCNThreshold15minRmonIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "equipment Index = 1"
    ::= { provTCNThreshold15minRmonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1.2
provTCNThreshold15minRmonNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { provTCNThreshold15minRmonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1.3
provTCNThreshold15minHCRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN DropEvent Threshold - 15min
        value range :0-133929000
        Default      :133929000"
    ::= { provTCNThreshold15minRmonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1.4
provTCNThreshold15minHCRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN UndersizePkts Threshold - 15min
        value range :0-133929000
        Default      :133929000"
    ::= { provTCNThreshold15minRmonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1.5
provTCNThreshold15minHCRxEthStatsFragments OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    "TCN Fragments Threshold - 15min
    value range :0-133929000
    Default :133929000"
    ::= { provTCNThreshold15minRmonEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1.6
provTCNThreshold15minHCRxEthStatsCRCAAlignErrors OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN CRCAAlignErrors Threshold - 15min
        value range :0-133929000
        Default :133929000"
        ::= { provTCNThreshold15minRmonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1.7
provTCNThreshold15minHCRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN OversizePkts Threshold - 15min
        value range :0-133929000
        Default :133929000"
        ::= { provTCNThreshold15minRmonEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.5.1.1.8
provTCNThreshold15minHCTxEthStatsCollisions OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN Collisions Threshold - 15min
        value range :0-133929000
        Default :133929000"
        ::= { provTCNThreshold15minRmonEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6
provTCNThreshold1dayRmonGroup OBJECT IDENTIFIER ::= { provTCNThresholdGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1
provTCNThreshold1dayRmonTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTCNThreshold1dayRmonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "TCN Threshold 1day"
        ::= { provTCNThreshold1dayRmonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1
provTCNThreshold1dayRmonEntry OBJECT-TYPE
    SYNTAX ProvTCNThreshold1dayRmonEntry

```



```

ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    "TCN Threshold 1day"
INDEX { provTCNThreshold1dayRmonNEAddress, provTCNThreshold1dayRmonIndex }
::= { provTCNThreshold1dayRmonTable 1 }

```

```

ProvTCNThreshold1dayRmonEntry ::=
SEQUENCE {
    provTCNThreshold1dayRmonIndex
        INTEGER,
    provTCNThreshold1dayRmonNEAddress
        IpAddress,
    provTCNThreshold1dayHCRxEthStatsDropEvents
        Gauge,
    provTCNThreshold1dayHCRxEthStatsUndersizePkts
        Gauge,
    provTCNThreshold1dayHCRxEthStatsFragments
        Gauge,
    provTCNThreshold1dayHCRxEthStatsCRCAlignErrors
        Gauge,
    provTCNThreshold1dayHCRxEthStatsOversizePkts
        Gauge,
    provTCNThreshold1dayHCTxEthStatsCollisions
        Gauge
}

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1.1
provTCNThreshold1dayRmonIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "equipment Index = 1"
    ::= { provTCNThreshold1dayRmonEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1.2
provTCNThreshold1dayRmonNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { provTCNThreshold1dayRmonEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1.3
provTCNThreshold1dayHCRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN DropEvent Threshold - 1day
        value range :0-4294967294
        Default :4294967294"
    ::= { provTCNThreshold1dayRmonEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1.4
provTCNThreshold1dayHCRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN UndersizePkts Threshold - 1day
        value range :0-4294967294
        Default :4294967294"
    ::= { provTCNThreshold1dayRmonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1.5
provTCNThreshold1dayHCRxEthStatsFragments OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN Fragments Threshold - 1day
        value range :0-4294967294
        Default :4294967294"
    ::= { provTCNThreshold1dayRmonEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1.6
provTCNThreshold1dayHCRxEthStatsCRCAAlignErrors OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN CRCAAlignErrors Threshold - 1day
        value range :0-4294967294
        Default :4294967294"
    ::= { provTCNThreshold1dayRmonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1.7
provTCNThreshold1dayHCRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN OversizePkts Threshold - 1day
        value range :0-4294967294
        Default :4294967294"
    ::= { provTCNThreshold1dayRmonEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.10.6.1.1.8
provTCNThreshold1dayHCTxEthStatsCollisions OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TCN Collisions Threshold - 1day
        value range :0-4294967294
        Default :4294967294"
    ::= { provTCNThreshold1dayRmonEntry 8 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11
provDXCGroup OBJECT IDENTIFIER ::= { provisioningGroup 11 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1
provDXCTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvDXCEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provDXCGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1
provDXCEntry OBJECT-TYPE
    SYNTAX ProvDXCEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provDXCNEAddress, provDXCIndex }
    ::= { provDXCTable 1 }
```

```
ProvDXCEntry ::=
    SEQUENCE {
        provDXCIndex
            INTEGER,
        provDXCNEAddress
            IpAddress,
        dxcRowStatus
            INTEGER,
        serviceName
            DisplayString,
        aTermProtection
            INTEGER,
        aTerm1
            InterfaceIndexOrZero,
        aTerm2
            InterfaceIndexOrZero,
        bTermProtection
            INTEGER,
        bTerm1
            InterfaceIndexOrZero,
        bTerm2
            InterfaceIndexOrZero,
        dxcMode
            INTEGER
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.1
provDXCIndex OBJECT-TYPE
    SYNTAX INTEGER (1..168)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provDXCEntry 1 }
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.2
provDXCNEAddress OBJECT-TYPE

SYNTAX IpAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION
" "

::= { provDXCEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.3
dxcRowStatus OBJECT-TYPE

SYNTAX INTEGER
{
 active(1),
 notInService(2),
 notReady(3),
 createAndGo(4),
 createAndWait(5),
 destroy(6)
}

ACCESS read-only
STATUS mandatory
DESCRIPTION
" "

::= { provDXCEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.4
serviceName OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..32))
ACCESS read-only
STATUS mandatory
DESCRIPTION

"FLAG=TRAP|EVLOG
TRAP=controlEvent"

::= { provDXCEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.5
aTermProtection OBJECT-TYPE

SYNTAX INTEGER
{
 nonProtection(1),
 protection(2)
}

ACCESS read-only
STATUS mandatory
DESCRIPTION
"FLAG=TRAP|EVLOG
LOGSTATUS='NON PRTECTION(1),PROTECTION(2)'
TRAP=controlEvent"

::= { provDXCEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.6
aTerm1 OBJECT-TYPE

SYNTAX InterfaceIndexOrZero
ACCESS read-only

```

STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    TRAP=controlEvent"
::= { provDXCEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.7
aTerm2 OBJECT-TYPE
    SYNTAX InterfaceIndexOrZero
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provDXCEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.8
bTermProtection OBJECT-TYPE
    SYNTAX INTEGER
        {
            nonProtection(1),
            protection(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='NON PRTECTION(1),PROTECTION(2)'"
        TRAP=controlEvent"
    ::= { provDXCEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.9
bTerm1 OBJECT-TYPE
    SYNTAX InterfaceIndexOrZero
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provDXCEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.10
bTerm2 OBJECT-TYPE
    SYNTAX InterfaceIndexOrZero
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provDXCEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.1.1.11
dxcMode OBJECT-TYPE
    SYNTAX INTEGER
        {

```

```

        e1(1),
        rst(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provDXCEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.2
provE1SncpTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvE1SncpEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provDXCGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.2.1
provE1SncpEntry OBJECT-TYPE
    SYNTAX ProvE1SncpEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provE1SncpNEAddress, provE1SncpIndex }
    ::= { provE1SncpTable 1 }

ProvE1SncpEntry ::=
    SEQUENCE {
        provE1SncpIndex
            INTEGER,
        provE1SncpNEAddress
            IpAddress,
        holdOff
            UsedNotusedValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.2.1.1
provE1SncpIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provE1SncpEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.2.1.2
provE1SncpNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provE1SncpEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.11.2.1.3

holdOff OBJECT-TYPE

SYNTAX UsedNotusedValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"LOGSTATUS='%d'

TRAP=controlEvent"

::= { provE1SnpcEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.12

provXPICGroup OBJECT IDENTIFIER ::= { provisioningGroup 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.12.1

provXPICTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvXPICEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provXPICGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.12.1.1

provXPICEntry OBJECT-TYPE

SYNTAX ProvXPICEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provXPICNEAddress, provXPICIfIndex }

::= { provXPICTable 1 }

ProvXPICEntry ::=

SEQUENCE {

provXPICIfIndex

InterfaceIndex,

provXPICNEAddress

IpAddress,

xpicCondLoSignalFail

INTEGER,

xdemDelayAdjust

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.12.1.1.1

provXPICIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provXPICEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.12.1.1.2
provXPICNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provXPICEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.12.1.1.3
xpPicCondLoSignalFail OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            mute(1),
            refloSelflo(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provXPICEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.12.1.1.4
xdemDelayAdjust OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            m32ToM24(2),
            m24ToM16(3),
            m16ToM8(4),
            m8ToP8(5),
            p8ToP16(6),
            p16ToP24(7),
            p24ToP32(8)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provXPICEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13
provStm1Group OBJECT IDENTIFIER ::= { provisioningGroup 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.1
provStm1PortSetTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvStm1PortSetEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.1.1

```



```

provStm1PortSetEntry OBJECT-TYPE
    SYNTAX ProvStm1PortSetEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provStm1PortSetNEAddress, provStm1PortSetIfIndex }
    ::= { provStm1PortSetTable 1 }

```

```

ProvStm1PortSetEntry ::=
    SEQUENCE {
        provStm1PortSetIfIndex
            InterfaceIndex,
        provStm1PortSetNEAddress
            IpAddress,
        stm1PortName
            DisplayString,
        stm1PortUsage
            UsedNotusedValue,
        stm1PathTraceTxValueJ0
            DisplayString,
        stm1PathTraceRxExpValueJ0
            DisplayString
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.1.1.1
provStm1PortSetIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1PortSetEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.1.1.2
provStm1PortSetNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1PortSetEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.1.1.3
stm1PortName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%s'
        TRAP=controlEventDspStr"
    ::= { provStm1PortSetEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.1.1.4
stm1PortUsage OBJECT-TYPE

```

```

SYNTAX UsedNotusedValue
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='DISABLE(1),ENABLE(2)'
    TRAP=controlEvent"
::= { provStm1PortSetEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.1.1.5
stm1PathTraceTxValueJ0 OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..15))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%s'
        TRAP=controlEvent"
    ::= { provStm1PortSetEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.1.1.6
stm1PathTraceRxExpValueJ0 OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..15))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%s'
        TRAP=controlEvent"
    ::= { provStm1PortSetEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.2
provStm1ChPortSetTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvStm1ChPortSetEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1Group 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.2.1
provStm1ChPortSetEntry OBJECT-TYPE
    SYNTAX ProvStm1ChPortSetEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provStm1ChPortSetNEAddress, provStm1ChPortSetIfIndex }
    ::= { provStm1ChPortSetTable 1 }

ProvStm1ChPortSetEntry ::=
    SEQUENCE {
        provStm1ChPortSetIfIndex
        InterfaceIndex,
        provStm1ChPortSetNEAddress
    }

```

```

        IpAddress,
        stm1ModeSetting
        INTEGER,
        stm1PathTraceTxValueJ1
        DisplayString,
        stm1PathTraceRxExpValueJ1
        DisplayString
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.2.1.1
provStm1ChPortSetIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1ChPortSetEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.2.1.2
provStm1ChPortSetNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1ChPortSetEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.2.1.3
stm1ModeSetting OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            through(1),
            channelized(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='Through Mode(1),Channelized Mode(2)'
        TRAP=controlEvent"
    ::= { provStm1ChPortSetEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.2.1.5
stm1PathTraceTxValueJ1 OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..15))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%s'
        TRAP=controlEvent"
    ::= { provStm1ChPortSetEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.2.1.6
stm1PathTraceRxExpValueJ1 OBJECT-TYPE

```

```

SYNTAX DisplayString (SIZE (0..15))
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='%s'
    TRAP=controlEvent"
::= { provStm1ChPortSetEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.3
provStm1CardSetTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvStm1CardSetEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1Group 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.3.1
provStm1CardSetEntry OBJECT-TYPE
    SYNTAX ProvStm1CardSetEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provStm1CardSetNEAddress, provStm1CardSetIndex }
    ::= { provStm1CardSetTable 1 }

ProvStm1CardSetEntry ::=
    SEQUENCE {
        provStm1CardSetIndex
            INTEGER,
        provStm1CardSetNEAddress
            IpAddress,
        stm1TraceUsageSelect
            INTEGER,
        stm1TraceMismatchAction
            EnableDisableValue,
        stm1SfAlarmTransfer
            OffOnValue,
        stm1SdAlarmTransfer
            OffOnValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.3.1.1
provStm1CardSetIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provStm1CardSetEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.3.1.2
provStm1CardSetNEAddress OBJECT-TYPE
    SYNTAX IpAddress

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    " "
::= { provStm1CardSetEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.3.1.3
stm1TraceUsageSelect OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            j0(1),
            j1(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='Through Mode(1),Channelized Mode(2)'
        TRAP=controlEvent"
    ::= { provStm1CardSetEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.3.1.4
stm1TraceMismatchAction OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='Through Mode(1),Channelized Mode(2)'
        TRAP=controlEvent"
    ::= { provStm1CardSetEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.3.1.5
stm1SfAlarmTransfer OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Signal Fail is transferred as TU-AIS.
        New definition for 400."
    ::= { provStm1CardSetEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.13.3.1.6
stm1SdAlarmTransfer OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Signal Degrade is transferred by N2 byte.
        New definition for 400."
    ::= { provStm1CardSetEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14
provExtClockGroup OBJECT IDENTIFIER ::= { provisioningGroup 14 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1
provExtClockTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvExtClockEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provExtClockGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1
provExtClockEntry OBJECT-TYPE
    SYNTAX ProvExtClockEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provExtClockNEAddress, provExtClockIndex }
    ::= { provExtClockTable 1 }

ProvExtClockEntry ::=
    SEQUENCE {
        provExtClockIndex
            INTEGER,
        provExtClockNEAddress
            IpAddress,
        externalInterface
            INTEGER,
        crc
            OffOnValue,
        ssm
            INTEGER,
        saBit
            INTEGER,
        messagePathThrough
            OffOnValue,
        thresholdAisGeneration
            UsedNotusedValue,
        extClkSel
            INTEGER,
        aisHizSelect
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.1
provExtClockIndex OBJECT-TYPE
    SYNTAX INTEGER { extclk(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provExtClockEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.2
provExtClockNEAddress OBJECT-TYPE
    SYNTAX IpAddress

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    " "
::= { provExtClockEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.4
externalInterface OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        bps(1),
        hz(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='bps(1),Hz(2)'
        TRAP=controlEvent"
    ::= { provExtClockEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.5
crc OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { provExtClockEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.6
ssm OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        notSupport(1),
        support(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='NOT SUPPORT(1),SUPPORT(2)'
        TRAP=controlEvent"
    ::= { provExtClockEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.7
saBit OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        sa4(1),
        sa5(2),

```

```

        sa6(3),
        sa7(4),
        sa8(5)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='Sa4(1),Sa5(2),Sa6(3),Sa7(4),Sa8(5)'
        TRAP=controlEvent"
    ::= { provExtClockEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.8
messagePathThrough OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { provExtClockEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.10
thresholdAisGeneration OBJECT-TYPE
    SYNTAX UsedNotusedValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { provExtClockEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.11
extClkSel OBJECT-TYPE
    SYNTAX INTEGER
    {
        notSelect(0),
        neClk(1),
        dmrLineclk1(2),
        dmrLineclk2(3),
        gbeLineclk(4),
        e1Lineclk(5),
        optionLineclk(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='NE CLK(1),DMR LINE CLK1(2),DMR LINE CLK2(3),GbE LINE
        CLK(4),E1 LINE CLK(5),OPTION LINE CLK(6)'
        TRAP=controlEvent"
    ::= { provExtClockEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.1.1.12

```



```

aisHizSelect OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        hiZ(1),
        ais(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='HI-Z(1),AIS(2)'
        TRAP=controlEvent"
    ::= { provExtClockEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2
provTimingSourceGroup OBJECT IDENTIFIER ::= { provExtClockGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1
provClkSelectTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvClkSelectEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTimingSourceGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1
provClkSelectEntry OBJECT-TYPE
    SYNTAX ProvClkSelectEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provClkSelectNEAddress, provClkSelectIndex }
    ::= { provClkSelectTable 1 }

ProvClkSelectEntry ::=
    SEQUENCE {
        provClkSelectIndex
            INTEGER,
        provClkSelectNEAddress
            IpAddress,
        e1LineClkSelect
            INTEGER,
        stm1LineClkSelect
            INTEGER,
        gbeLineClkSelect
            INTEGER,
        mbTimingSourceSelect
            INTEGER,
        waitToRestore
            INTEGER,
        forcedSsmValue
            INTEGER,
        ssmUsage
    }

```

```

        INTEGER,
        e1OptLineClkSelect
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.1
provClkSelectIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provClkSelectEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.2
provClkSelectNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provClkSelectEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.3
e1LineClkSelect OBJECT-TYPE
    SYNTAX INTEGER (1..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provClkSelectEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.4
stm1LineClkSelect OBJECT-TYPE
    SYNTAX INTEGER (0..2)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provClkSelectEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.5
gbeLineClkSelect OBJECT-TYPE
    SYNTAX INTEGER (1..6)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provClkSelectEntry 5 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.6

mbTimingSourceSelect OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    internal(1),
    dmrLineclk1(2),
    dmrLineclk2(3),
    auto(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"FLAG=TRAP|EVLOG

LOGSTATUS='INTERNAL(1),DMR LINE CLK1(2),DMR LINE CLK2(3)'

TRAP=controlEvent"

::= { provClkSelectEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.7

waitToRestore OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    sec0(1),
    sec10(2),
    sec20(3),
    sec30(4),
    min1(5),
    min2(6),
    min3(7),
    min4(8),
    min5(9),
    min6(10),
    min7(11),
    min8(12),
    min9(13),
    min10(14),
    min11(15),
    min12(16),
    min13(17),
    min14(18),
    min15(19)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"FLAG=TRAP|EVLOG

LOGSTATUS='0S(1),10S(2),20S(3),30S(4),1MIN(5),2MIN(6),3MIN(7),4MIN(8),5MIN(9),6MIN(10),7MIN(11),8MIN(12),9MIN(13),10MIN(14),11MIN(15),12MIN(16),13MIN(17),14MIN(18),15MIN(19)'

TRAP=controlEvent"

::= { provClkSelectEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.8

forcedSsmValue OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

```

DESCRIPTION
    "FLAG=TRAP|EVLOG
    TRAP=controlEvent"
    ::= { provClkSelectEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.10
ssmUsage OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provClkSelectEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.1.1.11
e1OptLineClkSelect OBJECT-TYPE
    SYNTAX INTEGER (0..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provClkSelectEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.2
provTimingSourceSelectTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvTimingSourceSelectEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTimingSourceGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.2.1
provTimingSourceSelectEntry OBJECT-TYPE
    SYNTAX ProvTimingSourceSelectEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provTimingSourceSelectNEAddress, provTimingSourceSelectIndex }
    ::= { provTimingSourceSelectTable 1 }

ProvTimingSourceSelectEntry ::=
    SEQUENCE {
        provTimingSourceSelectIndex
            INTEGER,
        provTimingSourceSelectNEAddress
            IpAddress,
        clk2MTimingSourceSelect
            INTEGER,
        clk2MTimingSourcePriority
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.2.1.1
provTimingSourceSelectIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTimingSourceSelectEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.2.1.2
provTimingSourceSelectNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provTimingSourceSelectEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.2.1.3
clk2MTimingSourceSelect OBJECT-TYPE
    SYNTAX INTEGER
    {
        noEntry(0),
        extClk(1),
        lineclk1(2),
        lineclk2(3),
        gbeLineclk(4),
        e1Lineclk(5),
        optionLineclk(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='EXT CLK(1),LINE CLK1(2),LINE CLK2(3),GbE LINE
        CLK(4),E1 LINE CLK(5),OPTION LINE CLK(6)'"
        TRAP=controlEvent"
    ::= { provTimingSourceSelectEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.14.2.2.1.4
clk2MTimingSourcePriority OBJECT-TYPE
    SYNTAX INTEGER (0..12)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provTimingSourceSelectEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15
provRelayGroup OBJECT IDENTIFIER ::= { provisioningGroup 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.1

```

```

provRelayConfigTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvRelayConfigEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRelayGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.1.1
provRelayConfigEntry OBJECT-TYPE
    SYNTAX ProvRelayConfigEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provRelayConfigNEAddress, provRelayConfigIndex }
    ::= { provRelayConfigTable 1 }

ProvRelayConfigEntry ::=
    SEQUENCE {
        provRelayConfigIndex
            INTEGER,
        provRelayConfigNEAddress
            IpAddress,
        provRelayConfigData
            OCTET STRING
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.1.1.1
provRelayConfigIndex OBJECT-TYPE
    SYNTAX INTEGER
    {
        r1(1),
        r2(2),
        r3(3),
        r4(4),
        r5(5),
        r6(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRelayConfigEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.1.1.2
provRelayConfigNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRelayConfigEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.1.1.3
provRelayConfigData OBJECT-TYPE

```

```

SYNTAX OCTET STRING (SIZE (560))
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    TRAP=controlEventOctStr"
::= { provRelayConfigEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.2
provClusterAssignInputTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvClusterAssignInputEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRelayGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.2.1
provClusterAssignInputEntry OBJECT-TYPE
    SYNTAX ProvClusterAssignInputEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provClusterAssignInputNEAddress, provClusterAssignInputIfIndex }
    ::= { provClusterAssignInputTable 1 }

ProvClusterAssignInputEntry ::=
    SEQUENCE {
        provClusterAssignInputIfIndex
            InterfaceIndex,
        provClusterAssignInputNEAddress
            IpAddress,
        relayClusterAssignInput
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.2.1.1
provClusterAssignInputIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provClusterAssignInputEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.2.1.2
provClusterAssignInputNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provClusterAssignInputEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.2.1.3
relayClusterAssignInput OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provClusterAssignInputEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.3
provClusterAssignOutputTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvClusterAssignOutputEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRelayGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.3.1
provClusterAssignOutputEntry OBJECT-TYPE
    SYNTAX ProvClusterAssignOutputEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provClusterAssignOutputNEAddress, provClusterAssignOutputIndex }
    ::= { provClusterAssignOutputTable 1 }

ProvClusterAssignOutputEntry ::=
    SEQUENCE {
        provClusterAssignOutputIndex
            INTEGER,
        provClusterAssignOutputNEAddress
            IpAddress,
        provHkcOutputSetting
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.3.1.1
provClusterAssignOutputIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provClusterAssignOutputEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.3.1.2
provClusterAssignOutputNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provClusterAssignOutputEntry 2 }

```


-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.15.3.1.4

provHkcOutputSetting OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    normal(1),
    alarm(2)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"LOGSTATUS='NORMAL(1),ALARM(2)'
TRAP=controlEvent"

::= { provClusterAssignOutputEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16

provEOWGroup OBJECT IDENTIFIER ::= { provisioningGroup 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.1

provEOWCallPolarityTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvEOWCallPolarityEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provEOWGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.1.1

provEOWCallPolarityEntry OBJECT-TYPE

SYNTAX ProvEOWCallPolarityEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provEOWCallPolarityNEAddress, provEOWCallPolaritySlotIndex }

::= { provEOWCallPolarityTable 1 }

ProvEOWCallPolarityEntry ::=

SEQUENCE {

provEOWCallPolaritySlotIndex

INTEGER,

provEOWCallPolarityNEAddress

IpAddress,

provCallPolarity

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.1.1.1

provEOWCallPolaritySlotIndex OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

```

::= { provEOWCallPolarityEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.1.1.2
provEOWCallPolarityNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEOWCallPolarityEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.1.1.3
provCallPolarity OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            low(1),
            high(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='LOW(1),HIGH(2)'
        TRAP=controlEvent"
    ::= { provEOWCallPolarityEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.2
provEOWDscTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEOWDscEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEOWGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.2.1
provEOWDscEntry OBJECT-TYPE
    SYNTAX ProvEOWDscEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provEOWDscNEAddress, provEOWDscIfIndex }
    ::= { provEOWDscTable 1 }

ProvEOWDscEntry ::=
    SEQUENCE {
        provEOWDscIfIndex
        InterfaceIndex,
        provEOWDscNEAddress
        IpAddress,
        provEOWDscUsage
        UsedNotusedValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.2.1.1
provEOWDscIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEOWDscEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.2.1.2
provEOWDscNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEOWDscEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.16.2.1.3
provEOWDscUsage OBJECT-TYPE
    SYNTAX UsedNotusedValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='NOT USE(1),USE(2)'
        TRAP=controlEvent"
    ::= { provEOWDscEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17
provSCAssignGroup OBJECT IDENTIFIER ::= { provisioningGroup 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1
provSCAssignSetGroup OBJECT IDENTIFIER ::= { provSCAssignGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.1
provSCAssignV11Table OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvSCAssignV11Entry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignSetGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.1.1
provSCAssignV11Entry OBJECT-TYPE
    SYNTAX ProvSCAssignV11Entry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provSCAssignV11NEAddress, provSCAssignV11Index }
    ::= { provSCAssignV11Table 1 }

```

```

ProvSCAssignV11Entry ::=
    SEQUENCE {
        provSCAssignV11Index
            INTEGER,
        provSCAssignV11NEAddress
            IpAddress,
        v11Interface
            INTEGER,
        v11Assign
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.1.1.1
provSCAssignV11Index OBJECT-TYPE
    SYNTAX INTEGER
    {
        port1(1),
        port2(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignV11Entry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.1.1.2
provSCAssignV11NEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignV11Entry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.1.1.3
v11Interface OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        co(1),
        contra(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='CO(1),CONTRA(2)'
        TRAP=controlEvent"
    ::= { provSCAssignV11Entry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.1.1.4
v11Assign OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    "FLAG=TRAP|EVLOG
    TRAP=controlEvent"
::= { provSCAssignV11Entry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.2
provSCAssignRs232cTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvSCAssignRs232cEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignSetGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.2.1
provSCAssignRs232cEntry OBJECT-TYPE
    SYNTAX ProvSCAssignRs232cEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provSCAssignRs232cNEAddress, provSCAssignRs232cIndex }
    ::= { provSCAssignRs232cTable 1 }

ProvSCAssignRs232cEntry ::=
    SEQUENCE {
        provSCAssignRs232cIndex
            INTEGER,
        provSCAssignRs232cNEAddress
            IpAddress,
        rs232cAssign
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.2.1.1
provSCAssignRs232cIndex OBJECT-TYPE
    SYNTAX INTEGER
    {
        port1(1),
        port2(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignRs232cEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.2.1.2
provSCAssignRs232cNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignRs232cEntry 2 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.1.2.1.3
rs232cAssign OBJECT-TYPE
```

```
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        TRAP=controlEvent"
    ::= { provSCAssignRs232cEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.3
provSCAssignNoteTable OBJECT-TYPE
```

```
    SYNTAX SEQUENCE OF ProvSCAssignNoteEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignGroup 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.3.1
provSCAssignNoteEntry OBJECT-TYPE
```

```
    SYNTAX ProvSCAssignNoteEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provSCAssignNoteNEAddress, provSCAssignNoteIndex }
    ::= { provSCAssignNoteTable 1 }
```

```
ProvSCAssignNoteEntry ::=
```

```
    SEQUENCE {
        provSCAssignNoteIndex
            INTEGER,
        provSCAssignNoteNEAddress
            IpAddress,
        provSCAssignNoteV11Interface
            DisplayString,
        provSCAssignNoteV11SCAssign
            DisplayString
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.3.1.1
provSCAssignNoteIndex OBJECT-TYPE
```

```
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignNoteEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.3.1.2
provSCAssignNoteNEAddress OBJECT-TYPE
```

```
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
```

```

DESCRIPTION
    " "
 ::= { provSCAssignNoteEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.3.1.3
provSCAssignNoteV11Interface OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignNoteEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.17.3.1.4
provSCAssignNoteV11SCAssign OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSCAssignNoteEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18
provAmrOperationTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvAmrOperationEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provisioningGroup 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1
provAmrOperationEntry OBJECT-TYPE
    SYNTAX ProvAmrOperationEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provAmrOperationNEAddress, provAmrOperationIfIndex }
    ::= { provAmrOperationTable 1 }

ProvAmrOperationEntry ::=
    SEQUENCE {
        provAmrOperationIfIndex
            InterfaceIndex,
        provAmrOperationNEAddress
            IpAddress,
        cnThresholdOffset
            INTEGER,
        cnHysteresysOffset
            INTEGER,
        rslThresholdOffset
            INTEGER,
        rslHysteresysOffset
            INTEGER,

```

```

        atpcThresholdOffset
            INTEGER,
        decisionInterval
            INTEGER,
        holdProtction
            INTEGER,
        promoteProtection
            INTEGER,
        degradeProtection
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.1
provAmrOperationIflIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provAmrOperationEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.2
provAmrOperationNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provAmrOperationEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.3
cnThresholdOffset OBJECT-TYPE
    SYNTAX INTEGER (-3..3)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provAmrOperationEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.4
cnHysteresysOffset OBJECT-TYPE
    SYNTAX INTEGER (0..9)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provAmrOperationEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.5
rsIThresholdOffset OBJECT-TYPE
    SYNTAX INTEGER (-3..3)
    ACCESS read-only

```



```

STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='%d'
    TRAP=controlEvent"
::= { provAmrOperationEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.6
rsIHysteresysOffset OBJECT-TYPE
    SYNTAX INTEGER (0..9)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provAmrOperationEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.7
atpcThresholdOffset OBJECT-TYPE
    SYNTAX INTEGER (0..6)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provAmrOperationEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.8
decisionInterval OBJECT-TYPE
    SYNTAX INTEGER (0..15)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provAmrOperationEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.9
holdProtction OBJECT-TYPE
    SYNTAX INTEGER (1..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provAmrOperationEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.10
promoteProtection OBJECT-TYPE
    SYNTAX INTEGER (1..65536)
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='%d'
    TRAP=controlEvent"
::= { provAmrOperationEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.18.1.11
degradeProtection OBJECT-TYPE
    SYNTAX INTEGER (1..1024)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provAmrOperationEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.19
provSoftkeyTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvSoftkeyEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provisioningGroup 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.19.1
provSoftkeyEntry OBJECT-TYPE
    SYNTAX ProvSoftkeyEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provSoftkeyNEAddress, provSoftkeyIndex }
    ::= { provSoftkeyTable 1 }

ProvSoftkeyEntry ::=
    SEQUENCE {
        provSoftkeyIndex
            INTEGER,
        provSoftkeyNEAddress
            IpAddress,
        provRadioCapacity
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.19.1.1
provSoftkeyIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSoftkeyEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.19.1.2
provSoftkeyNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSoftkeyEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.19.1.3
provRadioCapacity OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            notAssign(1),
            slot1(2),
            slot2(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { provSoftkeyEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20
provVlanGroup OBJECT IDENTIFIER ::= { provisioningGroup 20 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.1
provVlanEquipmentTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvVlanEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "VLAN EQUIPMENT TABLE"
    ::= { provVlanGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.1.1
provVlanEquipmentEntry OBJECT-TYPE
    SYNTAX ProvVlanEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "VLAN EQUIPMENT ENTRY"
    INDEX { provVlanEquipmentNEAddress, provVlanEquipmentIndex }
    ::= { provVlanEquipmentTable 1 }

ProvVlanEquipmentEntry ::=
    SEQUENCE {
        provVlanEquipmentIndex
            INTEGER,
        provVlanEquipmentNEAddress
            IpAddress,

```

```

        provVlanEquipmentMode
            INTEGER,
        provVlanEquipmentDefaultVid
            INTEGER,
        provVlanEquipmentDefaultTpid
            OCTET STRING
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.1.1.1
provVlanEquipmentIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "equipment Index = 1
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provVlanEquipmentEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.1.1.2
provVlanEquipmentNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provVlanEquipmentEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.1.1.3
provVlanEquipmentMode OBJECT-TYPE
    SYNTAX INTEGER { dot1q(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN Mode
        1. 802.1q mode
        2. 802.1ad mode
        Note) It is possible to set in ADV/4, ADV/10(STD Read
        Only-support).
        (only 802.1q mode in STD)
        FLAG=TRAP|EVLOG"
    ::= { provVlanEquipmentEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.1.1.4
provVlanEquipmentDefaultVid OBJECT-TYPE
    SYNTAX INTEGER (1..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Default VLAN-ID
        value range : 1-4094
        default : 1
        FLAG=TRAP|EVLOG

```

```

LOGITEM='%s'
LOGSTATUS='%s'"
::= { provVlanEquipmentEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.1.1.5
provVlanEquipmentDefaultTpid OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (2))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "DefaultTPID
        value range : 0x8100-0xFFFF
        default : 0x8100
        Note) It's impossible to use TPID used in Enduro.
        Note) It is possible to set in ADV/4, ADV/10(STD Read
        Only-support).
        FLAG=TRAP|EVLOG"
    ::= { provVlanEquipmentEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.2
provVlanCustomerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvVlanCustomerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "CUSTOMER VLAN TABLE"
    ::= { provVlanGroup 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.2.1
provVlanCustomerEntry OBJECT-TYPE
    SYNTAX ProvVlanCustomerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "CUSTOMER VLAN PORT ENTRY"
    INDEX { provVlanCustomerNEAddress, provVlanCustomerIfIndex,
provVlanCustomerVlanIndex }
    ::= { provVlanCustomerTable 1 }

```

```

ProvVlanCustomerEntry ::=
    SEQUENCE {
        provVlanCustomerIfIndex
            InterfaceIndex,
        provVlanCustomerVlanIndex
            INTEGER,
        provVlanCustomerNEAddress
            IpAddress,
        provVlanCustomerPort
            INTEGER,
        provVlanCustomerRowstatus
            RowStatus
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.2.1.1
provVlanCustomerIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "ifindex
    FLAG=TRAP|EVLOG"
::= { provVlanCustomerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.2.1.2
provVlanCustomerVlanIndex OBJECT-TYPE
    SYNTAX INTEGER (1..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN Index
        value range : 1-4094
        Note) When Rowstatus is set to Active, provVlanCustomerEntry is
        not modify.
        Please execute the re-registration after it deletes it when you
        change provVlanCustomerEntry.

        FLAG=TRAP|EVLOG"
    ::= { provVlanCustomerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.2.1.3
provVlanCustomerNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG"
    ::= { provVlanCustomerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.2.1.4
provVlanCustomerPort OBJECT-TYPE
    SYNTAX INTEGER
        {
            access(1),
            tunnel(2),
            trunk(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN TYPE
        1. Access(default)
        2. Tunnel
        3. Trunk

        FLAG=TRAP|EVLOG"
    ::= { provVlanCustomerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.2.1.5
provVlanCustomerRowstatus OBJECT-TYPE
    SYNTAX RowStatus
    {

```

```

        active(1),
        createAndGo(4),
        destroy(6)
    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Rowstatus
    1. active
    4. createAndGo
    6. destroy
    FLAG=TRAP|EVLOG"
::= { provVlanCustomerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.5
provVlanNameTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvVlanNameEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "VLAN NAME TABLE"
    ::= { provVlanGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.5.1
provVlanNameEntry OBJECT-TYPE
    SYNTAX ProvVlanNameEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "VLAN NAME ENTRY"
    INDEX { provVlanNameNEAddress, provVlanNameVlanIndex }
    ::= { provVlanNameTable 1 }

ProvVlanNameEntry ::=
    SEQUENCE {
        provVlanNameVlanIndex
            INTEGER,
        provVlanNameNEAddress
            IpAddress,
        provVlanName
            DisplayString,
        provVlanNameRowstatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.5.1.1
provVlanNameVlanIndex OBJECT-TYPE
    SYNTAX INTEGER (1..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN Index
        value range : 1-4094
        Note) When Rowstatus is set to Active, provVlanNameEntry is not
        modify.
        Please execute the re-registration after it deletes it when you
        change provVlanNameEntry."

```

```

        FLAG=TRAP|EVLOG"
    ::= { provVlanNameEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.5.1.2
provVlanNameNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG"
    ::= { provVlanNameEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.5.1.3
provVlanName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN Name(0-32 characters)
        FLAG=TRAP|EVLOG"
    ::= { provVlanNameEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.5.1.4
provVlanNameRowstatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            createAndGo(4),
            destroy(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Rowstatus
        1. active
        4. createAndGo
        6. destroy
        FLAG=TRAP|EVLOG"
    ::= { provVlanNameEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.7
provVlanCounterTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvVlanCounterEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "VLAN COUNTER TABLE"
    ::= { provVlanGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.7.1
provVlanCounterEntry OBJECT-TYPE
    SYNTAX ProvVlanCounterEntry
    ACCESS not-accessible

```



```

STATUS mandatory
DESCRIPTION
    "VLAN COUNTER ENTRY"
INDEX { provVlanCounterNEAddress, provVlanCounterIndex }
::= { provVlanCounterTable 1 }

```

```

ProvVlanCounterEntry ::=
    SEQUENCE {
        provVlanCounterIndex
            INTEGER,
        provVlanCounterNEAddress
            IpAddress,
        provVlanCounterEntryPort
            InterfaceIndex,
        provVlanCounterEntryVid
            INTEGER,
        provVlanCounterRowstatus
            RowStatus
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.7.1.1
provVlanCounterIndex OBJECT-TYPE
    SYNTAX INTEGER (1..8)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Counter Index
        value range : 1-8
        Note) When Rowstatus is set to Active, provVlanCounterEntry is
        not modify.
        Please execute the re-registration after it deletes it when you
        change provVlanCounterEntry.

        FLAG=TRAP|EVLOG"
    ::= { provVlanCounterEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.7.1.2
provVlanCounterNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG"
    ::= { provVlanCounterEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.7.1.3
provVlanCounterEntryPort OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ifindex
        FLAG=TRAP|EVLOG"
    ::= { provVlanCounterEntry 3 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.7.1.4
provVlanCounterEntryVid OBJECT-TYPE
    SYNTAX INTEGER (1..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN ID which becomes a counter target
        value range : 1-4094
        Note) it is possible to set it When the specified VLAN ID exists
        in specified port.
        FLAG=TRAP|EVLOG"
    ::= { provVlanCounterEntry 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.20.7.1.5
provVlanCounterRowstatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            createAndGo(4),
            destroy(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Rowstatus
        1. active
        4. createAndGo
        6. destroy
        FLAG=TRAP|EVLOG"
    ::= { provVlanCounterEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21
provQosGroup OBJECT IDENTIFIER ::= { provisioningGroup 21 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.1
provQosEquipmentTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Equipment Table"
    ::= { provQosGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.1.1
provQosEquipmentEntry OBJECT-TYPE
    SYNTAX ProvQosEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Equipment Entry"
    INDEX { provQosEquipmentNEAddress, provQosEquipmentIndex }
    ::= { provQosEquipmentTable 1 }
```

```
ProvQosEquipmentEntry ::=
    SEQUENCE {
```

```

        provQosEquipmentIndex
            INTEGER,
        provQosEquipmentNEAddress
            IpAddress,
        provQosEquipmentClassifyProfile
            INTEGER,
        provQosEquipmentClassMode
            INTEGER,
        provQosEquipmentClassificationMode
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.1.1.1
provQosEquipmentIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Equipment Index(1)"
    ::= { provQosEquipmentEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.1.1.2
provQosEquipmentNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosEquipmentEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.1.1.3
provQosEquipmentClassifyProfile OBJECT-TYPE
    SYNTAX INTEGER (0..3)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Classify Profile Index
        value range : 0 - 3"
    ::= { provQosEquipmentEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.1.1.4
provQosEquipmentClassMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        qos4class(1),
        qos8class(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Configure the Equipment QoS Class mode.
        When the object is changed, provQosEgressPortSchedMode is
        initialized depends on the QoS Class mode.
        provQosEgressPortSchedMode is changed to sp4, when the qos
        mode is set to qos4class, and provQosEgressPortSchedMode is
        changed to sp1dwrr7, when the qos mode is set to qos8class."

```

```

DEFVAL { qos4class }
::= { provQosEquipmentEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.1.1.5
provQosEquipmentClassificationMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            qosequipmode(1),
            qosportmode(2),
            qosequipvlanmode(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Classification Mode
        Values: invalid(0), qosequipmode(1), qosportmode(2)"
    ::= { provQosEquipmentEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2
provQosClassifyTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosClassifyEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Qos Classify Table. This table defines classifier for the input
        frames. The frames whose 'provQosClassifyField' is
        'provQosClassifyPriority' are mapped to Internal Priority
        'provQosClassifyPriority'."
    ::= { provQosGroup 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2.1
provQosClassifyEntry OBJECT-TYPE
    SYNTAX ProvQosClassifyEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provQosClassifyNEAddress, provQosClassifyProfileIndex,
    provQosClassifyEntryIndex }
    ::= { provQosClassifyTable 1 }

```

```

ProvQosClassifyEntry ::=
    SEQUENCE {
        provQosClassifyProfileIndex
            INTEGER,
        provQosClassifyEntryIndex
            INTEGER,
        provQosClassifyNEAddress
            IpAddress,
        provQosClassifyField
            INTEGER,
        provQosClassifyPriority
            INTEGER,
        provQosClassifyInternalPriority
            INTEGER,

```

```

        provQosClassifyRowstatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2.1.1
provQosClassifyProfileIndex OBJECT-TYPE
    SYNTAX INTEGER (1..3)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The system can have up to 3 profiles. Only
        one profile which is specified by
        'provQosEquipmentClassifyProfile' is activated."
    ::= { provQosClassifyEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2.1.2
provQosClassifyEntryIndex OBJECT-TYPE
    SYNTAX INTEGER (1..64)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Classify Entry Index. Each profile can have up to 64 entries.
        But 64th entry is reserved for default entry. Default entry whose
        'provQosClassifyField' is 'other' and 'provQosClassifyEntryIndex'
        is 64 is created automatically and cannot be deleted."
    ::= { provQosClassifyEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2.1.3
provQosClassifyNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { provQosClassifyEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2.1.4
provQosClassifyField OBJECT-TYPE
    SYNTAX INTEGER
    {
        unuse(-1),
        vlanCos(1),
        ipv4Precedence(2),
        ipv4Dscp(3),
        ipv6Dscp(4),
        mplsExp(5),
        other(10)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "QoS Classify Field. This object specifies classify field such as
        CoS value, DSCP value. If the value of this object is 'other',
        the entry acts as default entry. i.e. the 'other' entry matches
        all frames which are not matched to the other entries. And
        'other' entry cannot be created by the manager, 'other' entry is
        created as 64th entry by the agent."

```

```

::= { provQosClassifyEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2.1.5
provQosClassifyPriority OBJECT-TYPE
    SYNTAX INTEGER (-1..63)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "QoS Classify Priority (value)."
```

```

::= { provQosClassifyEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2.1.6
provQosClassifyInternalPriority OBJECT-TYPE
    SYNTAX INTEGER (-1..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "QoS Classify Internal Priority. The frames which are matched to
        the entry are mapped to the internal priority specified by this
        object."
    ::= { provQosClassifyEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.2.1.7
provQosClassifyRowstatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            createAndGo(4),
            destroy(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RowStatus of this table. The entry whose
        'provQosClassifyEntryIndex' is 64 is created automatically by the
        agent, and cannot be created and deleted by manager."
    ::= { provQosClassifyEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.3
provQosIngressPolicingProfileTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosIngressPolicingProfileEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Ingress Policer Profile Table"
    ::= { provQosGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.3.1
provQosIngressPolicingProfileEntry OBJECT-TYPE
    SYNTAX ProvQosIngressPolicingProfileEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Ingress Policer Profile Entry"
    INDEX { provQosIngressPolicingProfileNEAddress,
```

```
provQosIngressPolicingProfileProfileIndex }
::= { provQosIngressPolicingProfileTable 1 }
```

```
ProvQosIngressPolicingProfileEntry ::=
SEQUENCE {
    provQosIngressPolicingProfileProfileIndex
        INTEGER,
    provQosIngressPolicingProfileNEAddress
        IpAddress,
    provQosIngressPolicingProfileEir
        INTEGER,
    provQosIngressPolicingProfileCir
        INTEGER,
    provQosIngressPolicingProfileEbs
        INTEGER,
    provQosIngressPolicingProfileCbs
        INTEGER
}
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.3.1.1
provQosIngressPolicingProfileProfileIndex OBJECT-TYPE
    SYNTAX INTEGER (1..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Policer Profile Index
        value range : 1 - 16
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingProfileEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.3.1.2
provQosIngressPolicingProfileNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingProfileEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.3.1.3
provQosIngressPolicingProfileEir OBJECT-TYPE
    SYNTAX INTEGER (0..1000000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "EIR
        value range : 0Kbps - 1Gbps
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingProfileEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.3.1.4
provQosIngressPolicingProfileCir OBJECT-TYPE
    SYNTAX INTEGER (0..1000000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
```

```

        "CIR
        value range : 0Kbps - 1Gbps
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingProfileEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.3.1.5
provQosIngressPolicingProfileEbs OBJECT-TYPE
    SYNTAX INTEGER (0..128)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "EBS
        value range : 0Kbyte - 128KByte
        Default : 0KByte
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingProfileEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.3.1.6
provQosIngressPolicingProfileCbs OBJECT-TYPE
    SYNTAX INTEGER (1..64)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "CBS
        value range : 1Kbyte - 64KByte
        Default : 24Kbyte
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingProfileEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4
provQosIngressPolicingTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosIngressPolicingEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Ingress Policer Table"
    ::= { provQosGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1
provQosIngressPolicingEntry OBJECT-TYPE
    SYNTAX ProvQosIngressPolicingEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Ingress Policer Entry"
    INDEX { provQosIngressPolicingEntryNEAddress, provQosIngressPolicingEntryIndex }
    ::= { provQosIngressPolicingTable 1 }

ProvQosIngressPolicingEntry ::=
    SEQUENCE {
        provQosIngressPolicingEntryIndex
            INTEGER,
        provQosIngressPolicingEntryNEAddress
            IpAddress,
        provQosIngressPolicingEntryPortNumber

```



```

        INTEGER,
        provQosIngressPolicingEntryVlanNumber
        INTEGER,
        provQosIngressPolicingEntryPriorityNumber
        INTEGER,
        provQosIngressPolicingEntryProfileNumber
        INTEGER,
        provQosIngressPolicingEntryReserve2
        INTEGER,
        provQosIngressPolicingEntryReserve3
        INTEGER,
        provQosIngressPolicingEntryRowstatus
        RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.1
provQosIngressPolicingEntryIndex OBJECT-TYPE
    SYNTAX INTEGER (1..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Policer Entry Index
        value range : 1 - 256
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.2
provQosIngressPolicingEntryNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.3
provQosIngressPolicingEntryPortNumber OBJECT-TYPE
    SYNTAX INTEGER (-1..2147483647)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Port Number
        value range : 0 - 0x7FFFFFFF, unuse(-1)
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.4
provQosIngressPolicingEntryVlanNumber OBJECT-TYPE
    SYNTAX INTEGER (-1 | 1..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN Number
        value range : 1 - 4094, unuse(-1)
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 4 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.5
provQosIngressPolicingEntryPriorityNumber OBJECT-TYPE
    SYNTAX INTEGER (-1..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Internal Priority
        value range : 0 - 7, unuse(-1)
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.6
provQosIngressPolicingEntryProfileNumber OBJECT-TYPE
    SYNTAX INTEGER (-1 | 1..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Policer Profile Number
        value range : 1 - 16, unuse(-1)
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.8
provQosIngressPolicingEntryReserve2 OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 8 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.9
provQosIngressPolicingEntryReserve3 OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 9 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.4.1.10
provQosIngressPolicingEntryRowstatus OBJECT-TYPE
    SYNTAX RowStatus
    {
        active(1),
        createAndGo(4),
        destroy(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Rowstatus
        1. active
```

```

        4. createAndGo
        6. destroy
        FLAG=TRAP|EVLOG"
    ::= { provQosIngressPolicingEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5
provQosEgressPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosEgressPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Egress Port Table"
    ::= { provQosGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1
provQosEgressPortEntry OBJECT-TYPE
    SYNTAX ProvQosEgressPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Egress Port Entry"
    INDEX { provQosEgressPortNEAddress, provQosEgressPortIfIndex }
    ::= { provQosEgressPortTable 1 }

ProvQosEgressPortEntry ::=
    SEQUENCE {
        provQosEgressPortIfIndex
            InterfaceIndex,
        provQosEgressPortNEAddress
            IpAddress,
        provQosEgressPortSchedMode
            INTEGER,
        provQosEgressPortDropMode
            INTEGER,
        provQosEgressPortInternalPriority0Class
            INTEGER,
        provQosEgressPortInternalPriority1Class
            INTEGER,
        provQosEgressPortInternalPriority2Class
            INTEGER,
        provQosEgressPortInternalPriority3Class
            INTEGER,
        provQosEgressPortInternalPriority4Class
            INTEGER,
        provQosEgressPortInternalPriority5Class
            INTEGER,
        provQosEgressPortInternalPriority6Class
            INTEGER,
        provQosEgressPortInternalPriority7Class
            INTEGER,
        provQosEgressPortPortShaperRate
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.1
provQosEgressPortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "ifindex
    FLAG=TRAP|EVLOG"
::= { provQosEgressPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.2
provQosEgressPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.3
provQosEgressPortSchedMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            sp2(1),
            sp4(2),
            sp1-dwrr3(3),
            dwrr4(4),
            sp1dwrr7(5),
            sp2dwrr6(6),
            sp8(7)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Scheduling Mode

        Changing provQosEgressPortSchedMode, provQosEgressPort-
        InternalPriority0Class to provQosEgressPortInternal-
        Priority7Class will change.
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.4
provQosEgressPortDropMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            wtd(1),
            wred(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Egress Drop Mode
        1. WTD(Weighted Tail Drop)
        2. WRED
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.5

```

```

provQosEgressPortInternalPriority0Class OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class of internal priority 0
        value range : 0 - 7 (STD : 0 - 3)(2xSP : 0 - 1 / other : 0 - 3)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.6
provQosEgressPortInternalPriority1Class OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class of internal priority 1
        value range : 0 - 7 (STD : 0 - 3)(2xSP : 0 - 1 / other : 0 - 3)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 6 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.7
provQosEgressPortInternalPriority2Class OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class of internal priority 2
        value range : 0 - 7 (STD : 0 - 3)(2xSP : 0 - 1 / other : 0 - 3)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 7 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.8
provQosEgressPortInternalPriority3Class OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class of internal priority 3
        value range : 0 - 7 (STD : 0 - 3)(2xSP : 0 - 1 / other : 0 - 3)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 8 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.9
provQosEgressPortInternalPriority4Class OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class of internal priority 4
        value range : 0 - 7 (STD : 0 - 3)(2xSP : 0 - 1 / other : 0 - 3)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 9 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.10

```

```

provQosEgressPortInternalPriority5Class OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class of internal priority 5
        value range : 0 - 7 (STD : 0 - 3)(2xSP : 0 - 1 / other : 0 - 3)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.11
provQosEgressPortInternalPriority6Class OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class of internal priority 6
        value range : 0 - 7 (STD : 0 - 3)(2xSP : 0 - 1 / other : 0 - 3)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.12
provQosEgressPortInternalPriority7Class OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class of internal priority 7
        value range : 0 - 7 (STD : 0 - 3)(2xSP : 0 - 1 / other : 0 - 3)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.5.1.13
provQosEgressPortPortShaperRate OBJECT-TYPE
    SYNTAX INTEGER (0..1000000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Port Shaper Rate
        value range : 0Kbps - 1Gbps
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressPortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6
provQosEgressTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosEgressEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Egress Class Table"
    ::= { provQosGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1
provQosEgressEntry OBJECT-TYPE
    SYNTAX ProvQosEgressEntry

```

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"QoS Egress Class Entry"

INDEX { provQoS EgressClassNEAddress, provQoS EgressIfIndex,
provQoS EgressClassIndex }

::= { provQoS EgressTable 1 }

ProvQoS EgressEntry ::=

SEQUENCE {

provQoS EgressIfIndex

InterfaceIndex,

provQoS EgressClassIndex

INTEGER,

provQoS EgressClassNEAddress

IpAddress,

provQoS EgressClassShaperRate

INTEGER,

provQoS EgressClassMinimumRate

INTEGER,

provQoS EgressClassDWRRWeight

INTEGER,

provQoS EgressQueueLength

INTEGER,

provQoS EgressWtdYellowFrameThreshold

INTEGER,

provQoS EgressWredYellowFrameThreshold

INTEGER,

provQoS EgressWredGreenFrameThreshold

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.1

provQoS EgressIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"ifindex"

::= { provQoS EgressEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.2

provQoS EgressClassIndex OBJECT-TYPE

SYNTAX INTEGER (1..8)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Class Index

value range : 1 - 8 (STD : 1 - 4)

1. Class0

2. Class1

3. Class2

4. Class3

5. Class4

6. Class5

7. Class6

8. Class7"

::= { provQoS EgressEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.3
provQosEgressClassNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG"
    ::= { provQosEgressEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.4
provQosEgressClassShaperRate OBJECT-TYPE
    SYNTAX INTEGER (0..1000000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class Shaper Rate
        value range : 0Kbps - 1Gbps
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.5
provQosEgressClassMinimumRate OBJECT-TYPE
    SYNTAX INTEGER (0..1000000)
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Class Shaper Minimum Rate(0Kbps)
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.6
provQosEgressClassDWRRWeight OBJECT-TYPE
    SYNTAX INTEGER (1..127)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class Shaper Weight
        value range : 1 - 127
        Default : 1
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.7
provQosEgressQueueLength OBJECT-TYPE
    SYNTAX INTEGER (16..128)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class Queue Length (Burst size)
        value range : 16Kbyte-128KByte
        Default : 64Kbyte
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressEntry 7 }

```



```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.8
provQosEgressWtdYellowFrameThreshold OBJECT-TYPE
    SYNTAX INTEGER (10..100)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "WTD Yellow Frame Threshold
        value range : 10% - 100%
        Default : 70%
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.9
provQosEgressWredYellowFrameThreshold OBJECT-TYPE
    SYNTAX INTEGER (10..100)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "WRED Yellow Frame Threshold
        value range : 10% - 100%
        Default : 70%
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.6.1.10
provQosEgressWredGreenFrameThreshold OBJECT-TYPE
    SYNTAX INTEGER (10..100)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "WRED Green Frame Threshold
        value range : 10% - 100%
        Default : 70%
        FLAG=TRAP|EVLOG"
    ::= { provQosEgressEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.7
provQosFloodControlEquipmentTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosFloodControlEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.7.1
provQosFloodControlEquipmentEntry OBJECT-TYPE
    SYNTAX ProvQosFloodControlEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provQosFloodControlEquipmentNEAddress, provQosFloodControlEquipmentIndex }
    ::= { provQosFloodControlEquipmentTable 1 }

```

```

ProvQosFloodControlEquipmentEntry ::=
    SEQUENCE {
        provQosFloodControlEquipmentIndex
            INTEGER,
        provQosFloodControlEquipmentNEAddress
            IpAddress,
        provQosFloodControlEquipmentFrameType
            INTEGER,
        provQosFloodControlEquipmentRate
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.7.1.1
provQosFloodControlEquipmentIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosFloodControlEquipmentEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.7.1.2
provQosFloodControlEquipmentNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosFloodControlEquipmentEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.7.1.3
provQosFloodControlEquipmentFrameType OBJECT-TYPE
    SYNTAX INTEGER
    {
        unknownUnicast(1),
        multicast(2),
        broadcast(3)
    }
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "Frame Type
        Values: unknownUnicast(1), multicast(2), broadcast(3)"
    ::= { provQosFloodControlEquipmentEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.7.1.4
provQosFloodControlEquipmentRate OBJECT-TYPE
    SYNTAX INTEGER (1000..1000000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Class Shaper Rate
        value range : 1Mbps - 1000Mbps"
    DEFVAL { 1000000 }
    ::= { provQosFloodControlEquipmentEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.8
provQosFloodControlTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosFloodControlEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.8.1
provQosFloodControlEntry OBJECT-TYPE
    SYNTAX ProvQosFloodControlEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provQosFloodControlNEAddress, provQosFloodControlIfIndex }
    ::= { provQosFloodControlTable 1 }

ProvQosFloodControlEntry ::=
    SEQUENCE {
        provQosFloodControlIfIndex
        InterfaceIndex,
        provQosFloodControlNEAddress
        IpAddress,
        provQosFloodControlFrameType
        INTEGER,
        provQosFloodControlEnabled
        EnableDisableValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.8.1.1
provQosFloodControlIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosFloodControlEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.8.1.2
provQosFloodControlNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosFloodControlEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.8.1.3
provQosFloodControlFrameType OBJECT-TYPE
    SYNTAX INTEGER
    {
        unknownUnicast(1),
        multicast(2),

```

```

        broadcast(3)
    }
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "Frame Type
        Values: unknownUnicast(1), multicast(2), broadcast(3)"
    ::= { provQosFloodControlEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.8.1.4
provQosFloodControlEnabled OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Flood Control Enable/Disable
        Values: invalid(0), disable(1), enable(2)"
    DEFVAL { disable }
    ::= { provQosFloodControlEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.9
provQosPortClassifyTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvQosPortClassifyEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Port Classfy Table"
    ::= { provQosGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.9.1
provQosPortClassifyEntry OBJECT-TYPE
    SYNTAX ProvQosPortClassifyEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Port Classfy Entry"
    INDEX { provQosPortClassifyNEAddress, provQosPortClassifyIfIndex }
    ::= { provQosPortClassifyTable 1 }

ProvQosPortClassifyEntry ::=
    SEQUENCE {
        provQosPortClassifyIfIndex
            InterfaceIndex,
        provQosPortClassifyNEAddress
            IpAddress,
        provQosPortClassifyField
            INTEGER,
        provQosPortClassifyPriority
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.9.1.1
provQosPortClassifyIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory

```

DESCRIPTION

"ifindex

value range : 1- 2147483647"

::= { provQosPortClassifyEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.9.1.2

provQosPortClassifyNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provQosPortClassifyEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.9.1.3

provQosPortClassifyField OBJECT-TYPE

SYNTAX INTEGER

```

{
  unuse(-1),
  port(1),
  ctagCos(2),
  stagCos(3),
  v4v6Dscp(4),
  v4Precedence(5)
}

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"QoS Field value set as Port Classification Table

-1. unuse

1. port

2. C-tag CoS

3. S-tag CoS

4. Ipv4/Ipv6 DSCP

5. Ipv4 Precedence"

::= { provQosPortClassifyEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.9.1.4

provQosPortClassifyPriority OBJECT-TYPE

SYNTAX INTEGER (0..7)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Internal Priority value set as Port Classification Mode

value range : 0 - 7"

::= { provQosPortClassifyEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.10

provQosPortClassifyDscpTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvQosPortClassifyDscpEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"QoS Port Classfy Table"

::= { provQosGroup 10 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.10.1
provQosPortClassifyDscpEntry OBJECT-TYPE
    SYNTAX ProvQosPortClassifyDscpEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "QoS Port Classfy Entry"
    INDEX { provQosPortClassifyDscpNEAddress, provQosPortClassifyDscpProfileIndex,
provQosPortClassifyDscpEntryIndex }
    ::= { provQosPortClassifyDscpTable 1 }

```

```

ProvQosPortClassifyDscpEntry ::=
    SEQUENCE {
        provQosPortClassifyDscpProfileIndex
            INTEGER,
        provQosPortClassifyDscpEntryIndex
            INTEGER,
        provQosPortClassifyDscpNEAddress
            IpAddress,
        provQosPortClassifyDscpPriority
            INTEGER,
        provQosPortClassifyDscpInternalPriority
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.10.1.1
provQosPortClassifyDscpProfileIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "DSCP Profile Index(1)"
    ::= { provQosPortClassifyDscpEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.10.1.2
provQosPortClassifyDscpEntryIndex OBJECT-TYPE
    SYNTAX INTEGER (1..64)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "DSCP Index (1-64)"
    ::= { provQosPortClassifyDscpEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.10.1.3
provQosPortClassifyDscpNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosPortClassifyDscpEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.10.1.4
provQosPortClassifyDscpPriority OBJECT-TYPE
    SYNTAX INTEGER (0..63)

```

ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "DSCP value set as DSCP Classification Table
 value range : 0 - 63

Note)
 It's impossible to change the DSCP value.
 (The DSCP value is the same as
 provQosPortClassifyDscpProfileIndex-1)"
 ::= { provQosPortClassifyDscpEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.10.1.5
 provQosPortClassifyDscpInternalPriority OBJECT-TYPE
 SYNTAX INTEGER (0..7)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Internal Priority value set as DSCP Classification Table
 value range : 0 - 7"
 ::= { provQosPortClassifyDscpEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.11
 provQosVlanClassifyDefaultTable OBJECT-TYPE
 SYNTAX SEQUENCE OF ProvQosVlanClassifyDefaultEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 " "
 ::= { provQosGroup 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.11.1
 provQosVlanClassifyDefaultEntry OBJECT-TYPE
 SYNTAX ProvQosVlanClassifyDefaultEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 " "
 INDEX { provQosVlanClassifyDefaultNEAddress, provQosVlanClassifyDefaultIndex }
 ::= { provQosVlanClassifyDefaultTable 1 }

ProvQosVlanClassifyDefaultEntry ::=

```

SEQUENCE {
    provQosVlanClassifyDefaultIndex
        INTEGER,
    provQosVlanClassifyDefaultNEAddress
        IpAddress,
    provQosVlanClassifyDefaultPriority
        INTEGER
}
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.11.1.1
 provQosVlanClassifyDefaultIndex OBJECT-TYPE
 SYNTAX INTEGER (1)
 ACCESS not-accessible
 STATUS mandatory

DESCRIPTION

" "

::= { provQosVlanClassifyDefaultEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.11.1.2

provQosVlanClassifyDefaultNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provQosVlanClassifyDefaultEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.11.1.3

provQosVlanClassifyDefaultPriority OBJECT-TYPE

SYNTAX INTEGER (0..7)

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

DEFVAL { 0 }

::= { provQosVlanClassifyDefaultEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.12

provQosVlanClassifyTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvQosVlanClassifyEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provQosGroup 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.12.1

provQosVlanClassifyEntry OBJECT-TYPE

SYNTAX ProvQosVlanClassifyEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provQosVlanClassifyNEAddress, provQosVlanClassifyProfileIndex,
provQosVlanClassifyEntryIndex }

::= { provQosVlanClassifyTable 1 }

ProvQosVlanClassifyEntry ::=

SEQUENCE {

provQosVlanClassifyProfileIndex

INTEGER,

provQosVlanClassifyEntryIndex

INTEGER,

provQosVlanClassifyNEAddress

IpAddress,

provQosVlanClassifyVlanIndex

IpeVlanIndex,

provQosVlanClassifyInternalPriority

INTEGER,


```

        provQosVlanClassifyRowStatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.12.1.1
provQosVlanClassifyProfileIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosVlanClassifyEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.12.1.2
provQosVlanClassifyEntryIndex OBJECT-TYPE
    SYNTAX INTEGER (1..128)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosVlanClassifyEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.12.1.3
provQosVlanClassifyNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosVlanClassifyEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.12.1.4
provQosVlanClassifyVlanIndex OBJECT-TYPE
    SYNTAX IpeVlanIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosVlanClassifyEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.12.1.5
provQosVlanClassifyInternalPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provQosVlanClassifyEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.21.12.1.6
provQosVlanClassifyRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

    " "
    ::= { provQosVlanClassifyEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23
provRstpGroup OBJECT IDENTIFIER ::= { provisioningGroup 23 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1
provRstpExtBridgeTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvRstpExtBridgeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1
provRstpExtBridgeEntry OBJECT-TYPE
    SYNTAX ProvRstpExtBridgeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provRstpExtBridgeNEAddress, provRstpExtBridgeIndex }
    ::= { provRstpExtBridgeTable 1 }

ProvRstpExtBridgeEntry ::=
    SEQUENCE {
        provRstpExtBridgeIndex
            INTEGER,
        provRstpExtBridgeNEAddress
            IpAddress,
        provRstpExtBridgeEnable
            EnableDisableValue,
        provRstpExtBridgeRstpMstpVersion
            INTEGER,
        provRstpExtBridgeMaxAge
            INTEGER,
        provRstpExtBridgeHelloTime
            INTEGER,
        provRstpExtBridgeForwardDelay
            INTEGER,
        provRstpExtBridgePriority
            INTEGER,
        provRstpExtBridgeTxHoldCount
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.1
provRstpExtBridgeIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtBridgeEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.2
provRstpExtBridgeNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtBridgeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.3
provRstpExtBridgeEnable OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RSTP enable/disable"
    ::= { provRstpExtBridgeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.4
provRstpExtBridgeRstpMstpVersion OBJECT-TYPE
    SYNTAX INTEGER
        {
            rstp(1),
            mstp(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtBridgeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.5
provRstpExtBridgeMaxAge OBJECT-TYPE
    SYNTAX INTEGER (6..40)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Max Age Timer"
    ::= { provRstpExtBridgeEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.6
provRstpExtBridgeHelloTime OBJECT-TYPE
    SYNTAX INTEGER (1..2)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Hello Timer"
    ::= { provRstpExtBridgeEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.7
provRstpExtBridgeForwardDelay OBJECT-TYPE
    SYNTAX INTEGER (4..30)
    ACCESS read-only
    STATUS mandatory

```

DESCRIPTION
 "Forwarding Delay Timer"
 ::= { provRstpExtBridgeEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.8
 provRstpExtBridgePriority OBJECT-TYPE
 SYNTAX INTEGER (0..61440)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Bridgw Priority"
 ::= { provRstpExtBridgeEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.1.1.9
 provRstpExtBridgeTxHoldCount OBJECT-TYPE
 SYNTAX INTEGER (1..10)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 " "
 ::= { provRstpExtBridgeEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2
 provRstpExtPortTable OBJECT-TYPE
 SYNTAX SEQUENCE OF ProvRstpExtPortEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 " "
 ::= { provRstpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2.1
 provRstpExtPortEntry OBJECT-TYPE
 SYNTAX ProvRstpExtPortEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 " "
 INDEX { provRstpExtPortNEAddress, provRstpExtPortifIndex }
 ::= { provRstpExtPortTable 1 }

ProvRstpExtPortEntry ::=
 SEQUENCE {
 provRstpExtPortifIndex
 InterfaceIndex,
 provRstpExtPortNEAddress
 IpAddress,
 provRstpExtPortPriority
 INTEGER,
 provRstpExtPortEnable
 EnableDisableValue,
 provRstpExtPortAdminEdgePort
 EnableDisableValue,
 provRstpExtPortAdminPointToPoint
 INTEGER,

```

        provRstpExtPortAdminPathCost
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2.1.1
provRstpExtPortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2.1.2
provRstpExtPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2.1.3
provRstpExtPortPriority OBJECT-TYPE
    SYNTAX INTEGER (0..240)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2.1.4
provRstpExtPortEnable OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2.1.5
provRstpExtPortAdminEdgePort OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2.1.6
provRstpExtPortAdminPointToPoint OBJECT-TYPE
    SYNTAX INTEGER
    {
        forceTrue(0),
        forceFalse(1),
    }

```

```

        auto(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.23.2.1.7
provRstpExtPortAdminPathCost OBJECT-TYPE
    SYNTAX INTEGER (0..200000000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provRstpExtPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24
provEthOamGroup OBJECT IDENTIFIER ::= { provisioningGroup 24 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1
provEthOamMegTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEthOamMegEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Meg Setting Table"
    ::= { provEthOamGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1
provEthOamMegEntry OBJECT-TYPE
    SYNTAX ProvEthOamMegEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provEthOamMegNEAddress, provEthOamMegIndex }
    ::= { provEthOamMegTable 1 }

ProvEthOamMegEntry ::=
    SEQUENCE {
        provEthOamMegIndex
        lpeMepId,
        provEthOamMegNEAddress
        IpAddress,
        provEthOamMegID
        OCTET STRING,
        provEthOamMegLevel
        INTEGER,
        provEthOamMegPeriod
        INTEGER,
        provEthOamMegRowStatus
        RowStatus,
        provEthOamMegShortID
        OCTET STRING,

```

```

        provEthOamMegCcmEnabled
            EnableDisableValue,
        provEthOamMegCcmPriority
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.1
provEthOamMegIndex OBJECT-TYPE
    SYNTAX IpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Meg Index(1-128)"
    ::= { provEthOamMegEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.2
provEthOamMegNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { provEthOamMegEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.3
provEthOamMegID OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..43))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Meg ID(0-43 Octet String)"
    ::= { provEthOamMegEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.4
provEthOamMegLevel OBJECT-TYPE
    SYNTAX INTEGER
    {
        level0(0),
        level1(1),
        level2(2),
        level3(3),
        level4(4),
        level5(5),
        level6(6),
        level7(7)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Meg Level(0-7)"
    ::= { provEthOamMegEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.5
provEthOamMegPeriod OBJECT-TYPE
    SYNTAX INTEGER
    {

```

```

        invalid(0),
        period-3ms(1),
        period-10ms(2),
        period-100ms(3),
        period-1s(4),
        period-10s(5),
        period-1min(6)
    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "CCM Frame Transmit Period(1-6)"
::= { provEthOamMegEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.6
provEthOamMegRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    {
        active(1),
        notInService(2),
        notReady(3),
        createAndGo(4),
        createAndWait(5),
        destroy(6)
    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Entry Status"
::= { provEthOamMegEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.7
provEthOamMegShortID OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..43))
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Short Meg ID(0-43 Octet String)"
::= { provEthOamMegEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.8
provEthOamMegCcmEnabled OBJECT-TYPE
    SYNTAX EnableDisableValue
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "CCM Transmit/Receive Setting"
::= { provEthOamMegEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.1.1.9
provEthOamMegCcmPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "CCM Frame Priority"

```



```
::= { provEthOamMegEntry 9 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.2
provEthOamMipTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEthOamMipEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Mip Setting Table"
    ::= { provEthOamGroup 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.2.1
provEthOamMipEntry OBJECT-TYPE
    SYNTAX ProvEthOamMipEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provEthOamMipNEAddress, provEthOamMipIndex, provEthOamMipIfIndex,
provEthOamMipVld, provEthOamMipMegLevel
        }
    ::= { provEthOamMipTable 1 }
```

```
ProvEthOamMipEntry ::=
    SEQUENCE {
        provEthOamMipIndex
            INTEGER,
        provEthOamMipIfIndex
            InterfaceIndex,
        provEthOamMipVld
            INTEGER,
        provEthOamMipMegLevel
            INTEGER,
        provEthOamMipNEAddress
            IpAddress,
        provEthOamMipRowStatus
            RowStatus
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.2.1.1
provEthOamMipIndex OBJECT-TYPE
    SYNTAX INTEGER (1..32)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mip Index(1-32)"
    ::= { provEthOamMipEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.2.1.2
provEthOamMipIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ifindex"
    ::= { provEthOamMipEntry 2 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.2.1.3
provEthOamMipVld OBJECT-TYPE
    SYNTAX INTEGER (0..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Vlan Id(1-4094, Untag=0)"
    ::= { provEthOamMipEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.2.1.4
provEthOamMipMegLevel OBJECT-TYPE
    SYNTAX INTEGER
        {
            level0(0),
            level1(1),
            level2(2),
            level3(3),
            level4(4),
            level5(5),
            level6(6),
            level7(7)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Meg Level(0-7)"
    ::= { provEthOamMipEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.2.1.5
provEthOamMipNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { provEthOamMipEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.2.1.6
provEthOamMipRowStatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            createAndGo(4),
            destroy(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Entry Status"
    ::= { provEthOamMipEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3
provEthOamMepTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEthOamMepEntry

```

ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "Mep Setting Table"
 ::= { provEthOamGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1
 provEthOamMepEntry OBJECT-TYPE
 SYNTAX ProvEthOamMepEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "
 "
 INDEX { provEthOamMepNEAddress, provEthOamMepIndex }
 ::= { provEthOamMepTable 1 }

ProvEthOamMepEntry ::=
 SEQUENCE {
 provEthOamMepIndex
 IpeMepId,
 provEthOamMepNEAddress
 IpAddress,
 provEthOamMepIfIndex
 InterfaceIndex,
 provEthOamMepVId
 INTEGER,
 provEthOamMepMegIndex
 IpeMepId,
 provEthOamMepDirection
 INTEGER,
 provEthOamMepId
 INTEGER,
 provEthOamMepCcmTransmitEnabled
 EnableDisableValue,
 provEthOamMepCcmReceiveEnabled
 EnableDisableValue,
 provEthOamMepCcmPriority
 INTEGER,
 provEthOamMepAisTransmitEnabled
 EnableDisableValue,
 provEthOamMepAisReceiveEnabled
 EnableDisableValue,
 provEthOamMepAisPeriod
 INTEGER,
 provEthOamMepAisPriority
 INTEGER,
 provEthOamMepRowStatus
 RowStatus
 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.1
 provEthOamMepIndex OBJECT-TYPE
 SYNTAX IpeMepId
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Mep Index(1-128)"
 ::= { provEthOamMepEntry 1 }

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.2
provEthOamMepNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { provEthOamMepEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.3
provEthOamMepIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ifindex"
    ::= { provEthOamMepEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.4
provEthOamMepVld OBJECT-TYPE
    SYNTAX INTEGER (0..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Vlan Id(1-4094, Untag=0)"
    ::= { provEthOamMepEntry 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.5
provEthOamMepMegIndex OBJECT-TYPE
    SYNTAX IpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Meg Index(1-128)"
    ::= { provEthOamMepEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.6
provEthOamMepDirection OBJECT-TYPE
    SYNTAX INTEGER
        {
            inside(0),
            outside(1)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Direction (Outside Only)"
    ::= { provEthOamMepEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.7
provEthOamMepId OBJECT-TYPE
    SYNTAX INTEGER (1..8191)
    ACCESS read-only
```

```

STATUS mandatory
DESCRIPTION
    "Mep Id(1-8191)"
::= { provEthOamMepEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.8
provEthOamMepCcmTransmitEnabled OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "CCM Transmit Setting"
    ::= { provEthOamMepEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.9
provEthOamMepCcmReceiveEnabled OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "CCM Receive Setting"
    ::= { provEthOamMepEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.10
provEthOamMepCcmPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "CCM Frame Priority"
    ::= { provEthOamMepEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.11
provEthOamMepAisTransmitEnabled OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "ETH-AIS Transmit Setting"
    ::= { provEthOamMepEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.12
provEthOamMepAisReceiveEnabled OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "ETH-AIS Receive Setting"
    ::= { provEthOamMepEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.13
provEthOamMepAisPeriod OBJECT-TYPE
    SYNTAX INTEGER
    {

```

```

        invalid(0),
        period-1s(4),
        period-1min(6)
    }
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "ETH-AIS Frame Transmit Period"
    ::= { provEthOamMepEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.15
provEthOamMepAisPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "ETH-AIS Frame Priority"
    ::= { provEthOamMepEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.3.1.16
provEthOamMepRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    {
        active(1),
        notInService(2),
        notReady(3),
        createAndGo(4),
        createAndWait(5),
        destroy(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Entry Status"
    ::= { provEthOamMepEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.4
provEthOamPeerListTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEthOamPeerListEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Peer Mep Setting Table"
    ::= { provEthOamGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.4.1
provEthOamPeerListEntry OBJECT-TYPE
    SYNTAX ProvEthOamPeerListEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provEthOamPeerListNEAddress, provEthOamPeerListIndex }
    ::= { provEthOamPeerListTable 1 }

```

```

ProvEthOamPeerListEntry ::=
    SEQUENCE {
        provEthOamPeerListIndex
            lpeMepId,
        provEthOamPeerListNEAddress
            IpAddress,
        provEthOamPeerListMepIndex
            lpeMepId,
        provEthOamPeerListPeerMepId
            INTEGER,
        provEthOamPeerListCheckStatusEnable
            EnableDisableValue,
        provEthOamPeerListRowStatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.4.1.1
provEthOamPeerListIndex OBJECT-TYPE
    SYNTAX lpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Peer Mep Index(1-128)"
    ::= { provEthOamPeerListEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.4.1.2
provEthOamPeerListNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { provEthOamPeerListEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.4.1.3
provEthOamPeerListMepIndex OBJECT-TYPE
    SYNTAX lpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Own Mep Index(1-128)"
    ::= { provEthOamPeerListEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.4.1.4
provEthOamPeerListPeerMepId OBJECT-TYPE
    SYNTAX INTEGER (1..8191)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Peer Mep Id(1-8191)"
    ::= { provEthOamPeerListEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.4.1.5
provEthOamPeerListCheckStatusEnable OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only

```

```

STATUS obsolete
DESCRIPTION
    "Peer Mep CCM Receive setting"
::= { provEthOamPeerListEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.24.4.1.6
provEthOamPeerListRowStatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            notInService(2),
            notReady(3),
            createAndGo(4),
            createAndWait(5),
            destroy(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Entry Status"
    ::= { provEthOamPeerListEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27
provFdbGroup OBJECT IDENTIFIER ::= { provisioningGroup 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.1
provFdbEquipmentTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvFdbEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFdbGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.1.1
provFdbEquipmentEntry OBJECT-TYPE
    SYNTAX ProvFdbEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provFdbEquipmentNEAddress, provFdbEquipmentIndex }
    ::= { provFdbEquipmentTable 1 }

ProvFdbEquipmentEntry ::=
    SEQUENCE {
        provFdbEquipmentIndex
            INTEGER,
        provFdbEquipmentNEAddress
            IpAddress,
        provFdbEquipmentNumberOfLearningEntry
            INTEGER,
        provFdbEquipmentAgingTime
            INTEGER,
        provFdbEquipmentAgingEnable

```



```

        EnableDisableValue,
        provFdbEquipmentLearningLimitMode
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.1.1.1
provFdbEquipmentIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index=1
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFdbEquipmentEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.1.1.2
provFdbEquipmentNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFdbEquipmentEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.1.1.3
provFdbEquipmentNumberOfLearningEntry OBJECT-TYPE
    SYNTAX INTEGER (1..32384)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Number Of Maximam Learning Entries
        Value Range : 1-32384
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFdbEquipmentEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.1.1.5
provFdbEquipmentAgingTime OBJECT-TYPE
    SYNTAX INTEGER (5..163680)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Aging Time
        Value Range : 5-163680
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFdbEquipmentEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.1.1.6
provFdbEquipmentAgingEnable OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "Aging Time Enable
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFdbEquipmentEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.1.1.7
provFdbEquipmentLearningLimitMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            protect(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Learning Limit Mode(Normal/Protect)
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFdbEquipmentEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.2
provFdbVlanTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvFdbVlanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFdbGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.2.1
provFdbVlanEntry OBJECT-TYPE
    SYNTAX ProvFdbVlanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provFdbVlanNEAddress, provFdbVlanIndex }
    ::= { provFdbVlanTable 1 }

ProvFdbVlanEntry ::=
    SEQUENCE {
        provFdbVlanIndex
            INTEGER,
        provFdbVlanNEAddress
            IpAddress,
        provFdbVlanNumberOfLearningEntry
            INTEGER,
        provFdbVlanLearningLimitMode
            INTEGER,
        provFdbVlanLearningLimitModeEnable
            EnableDisableValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.2.1.1
provFdbVlanIndex OBJECT-TYPE
    SYNTAX INTEGER (1..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN ID which becomes a counter target
        Value Range : 1-4094
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFdbVlanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.2.1.2
provFdbVlanNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFdbVlanEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.2.1.3
provFdbVlanNumberOfLearningEntry OBJECT-TYPE
    SYNTAX INTEGER (1..32384)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Number Of Maximam Learning Entries Per VLAN
        Value Range : 1-32384
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFdbVlanEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.2.1.4
provFdbVlanLearningLimitMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            protect(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Learning Limit Mode(Normal/Protect)
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFdbVlanEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.2.1.5
provFdbVlanLearningLimitModeEnable OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "Learning Limit Mode Enable
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFdbVlanEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.3
provFdbStaticEntryTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvFdbStaticEntryEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFdbGroup 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.3.1
provFdbStaticEntryEntry OBJECT-TYPE
    SYNTAX ProvFdbStaticEntryEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provFdbStaticNEAddress, provFdbStaticEntryIndex, provFdbStaticVlanId,
    provFdbStaticPortIfIndex }
    ::= { provFdbStaticEntryTable 1 }

```

```

ProvFdbStaticEntryEntry ::=
    SEQUENCE {
        provFdbStaticEntryIndex
            INTEGER,
        provFdbStaticVlanId
            INTEGER,
        provFdbStaticPortIfIndex
            InterfaceIndex,
        provFdbStaticNEAddress
            IpAddress,
        provFdbStaticMacAddress
            MacAddress,
        provFdbStaticRowStatus
            RowStatus
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.3.1.1
provFdbStaticEntryIndex OBJECT-TYPE
    SYNTAX INTEGER (1..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Static Entry Number
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFdbStaticEntryEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.3.1.2

provFdbStaticVlanId OBJECT-TYPE

SYNTAX INTEGER (1..4094)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"VLAN ID

Value Range : 1-4094

FLAG=TRAP|EVLOG

LOGITEM='%s'

LOGSTATUS='%s'"

::= { provFdbStaticEntryEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.3.1.3

provFdbStaticPortIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Port Number(ifindex)

FLAG=TRAP|EVLOG

LOGITEM='%s'

LOGSTATUS='%s'"

::= { provFdbStaticEntryEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.3.1.4

provFdbStaticNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provFdbStaticEntryEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.3.1.5

provFdbStaticMacAddress OBJECT-TYPE

SYNTAX MacAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"MAC Address

Value Range : 00:00:00:00:00:00-FF:FF:FF:FF:FF:FF

FLAG=TRAP|EVLOG

LOGITEM='%s'

LOGSTATUS='%s'"

::= { provFdbStaticEntryEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.3.1.6

provFdbStaticRowStatus OBJECT-TYPE

SYNTAX RowStatus

{

active(1),

createAndGo(4),

destroy(6)

}

ACCESS read-only

```

STATUS mandatory
DESCRIPTION
    "Rowstatus
    1. active
    4. createAndGo
    6. destroy
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFdbStaticEntryEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.4
provFdbPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvFdbPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFdbGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.4.1
provFdbPortEntry OBJECT-TYPE
    SYNTAX ProvFdbPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provFdbPortNEAddress, provFdbPortIfIndex }
    ::= { provFdbPortTable 1 }

ProvFdbPortEntry ::=
    SEQUENCE {
        provFdbPortIfIndex
            InterfaceIndex,
        provFdbPortNEAddress
            IpAddress,
        provFdbPortLearningLimit
            INTEGER,
        provFdbPortLimitMode
            INTEGER,
        provFdbPortLimitEnable
            EnableDisableValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.4.1.1
provFdbPortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFdbPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.4.1.2
provFdbPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
" "
::= { provFdbPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.4.1.3
provFdbPortLearningLimit OBJECT-TYPE
    SYNTAX INTEGER (1..32384)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { 32384 }
    ::= { provFdbPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.4.1.4
provFdbPortLimitMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            normal(1),
            protect(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { protect }
    ::= { provFdbPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.27.4.1.5
provFdbPortLimitEnable OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { disable }
    ::= { provFdbPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28
provLlfGroup OBJECT IDENTIFIER ::= { provisioningGroup 28 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.1
provLlfGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvLlfGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLlfGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.1.1
provLlfGroupEntry OBJECT-TYPE

```

SYNTAX ProvLlfGroupEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 " "

INDEX { provLlfGroupNEAddress, provLlfGroupIndex, provLlfGroupIflIndex }
 ::= { provLlfGroupTable 1 }

ProvLlfGroupEntry ::=
 SEQUENCE {
 provLlfGroupIndex
 INTEGER,
 provLlfGroupIflIndex
 InterfaceIndex,
 provLlfGroupNEAddress
 IpAddress,
 provLlfGroupPortEnable
 INTEGER,
 provLlfGroupRowStatus
 RowStatus
 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.1.1.1
 provLlfGroupIndex OBJECT-TYPE
 SYNTAX INTEGER (1..16)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "LLF Group Number
 Value Range : 1-16
 FLAG=TRAP|EVLOG
 LOGITEM='%s'
 LOGSTATUS='%s'"
 ::= { provLlfGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.1.1.2
 provLlfGroupIflIndex OBJECT-TYPE
 SYNTAX InterfaceIndex
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "ifindex
 FLAG=TRAP|EVLOG
 LOGITEM='%s'
 LOGSTATUS='%s'"
 ::= { provLlfGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.1.1.3
 provLlfGroupNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "IP Address"
 ::= { provLlfGroupEntry 3 }


```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.1.1.4
provLlfGroupPortEnable OBJECT-TYPE
    SYNTAX INTEGER
        {
            disable(1),
            enable(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "LLF Group Enable
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provLlfGroupEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.1.1.5
provLlfGroupRowStatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            createAndGo(4),
            destroy(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RowStatus
        1. active
        4. createAndGo
        6. destroy
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provLlfGroupEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.2
provLlfPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvLlfPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLlfGroup 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.2.1
provLlfPortEntry OBJECT-TYPE
    SYNTAX ProvLlfPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provLlfPortNEAddress, provLlfPortIfIndex }
    ::= { provLlfPortTable 1 }

```

```

ProvLlfPortEntry ::=

```

```

SEQUENCE {
    provLlfPortIfIndex
        InterfaceIndex,
    provLlfPortNEAddress
        IpAddress,
    provLlfPortMode
        INTEGER,
    provLlfPortInfoForwarding
        INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.2.1.1
provLlfPortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ifindex
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provLlfPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.2.1.2
provLlfPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { provLlfPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.2.1.3
provLlfPortMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            trunk(1),
            edge(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "LLF Port Mode
        Default : MODEM Port = Trunk
                Ethernet Port = Edge
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provLlfPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.2.1.4
provLlfPortInfoForwarding OBJECT-TYPE
    SYNTAX INTEGER
        {
            disable(1),
            enable(2)
        }

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "LLF Info Forwarding Enable
    Default : enable
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provLlfPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.3
provLlfGroupIgnoreTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvLlfGroupIgnoreEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLlfGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.3.1
provLlfGroupIgnoreEntry OBJECT-TYPE
    SYNTAX ProvLlfGroupIgnoreEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provLlfGroupIgnoreNEAddress, provLlfGroupIgnoreIndex }
    ::= { provLlfGroupIgnoreTable 1 }

ProvLlfGroupIgnoreEntry ::=
    SEQUENCE {
        provLlfGroupIgnoreIndex
            INTEGER,
        provLlfGroupIgnoreNEAddress
            IpAddress,
        provLlfGroupIgnoreEnable
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.3.1.1
provLlfGroupIgnoreIndex OBJECT-TYPE
    SYNTAX INTEGER (1..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "LLF Group Number
        Value Range : 1-16
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provLlfGroupIgnoreEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.3.1.2
provLlfGroupIgnoreNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "IP Address"
::= { provLlfGroupIgnoreEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.28.3.1.3
provLlfGroupIgnoreEnable OBJECT-TYPE
    SYNTAX INTEGER
        {
            disable(1),
            enable(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "LLF Info Ignore Enable
        Default : disable
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provLlfGroupIgnoreEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29
provFilterGroup OBJECT IDENTIFIER ::= { provisioningGroup 29 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1
provFilterProfileTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvFilterProfileEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFilterGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1
provFilterProfileEntry OBJECT-TYPE
    SYNTAX ProvFilterProfileEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provFilterProfileNEAddress, provFilterProfileIndex }
    ::= { provFilterProfileTable 1 }

ProvFilterProfileEntry ::=
    SEQUENCE {
        provFilterProfileIndex
            INTEGER,
        provFilterProfileNEAddress
            IpAddress,
        provFilterEntryIndex1
            INTEGER,
        provFilterEntryIndex2
            INTEGER,
        provFilterEntryIndex3

```

```

        INTEGER,
        provFilterEntryIndex4
        INTEGER,
        provFilterEntryIndex5
        INTEGER,
        provFilterEntryIndex6
        INTEGER,
        provFilterEntryIndex7
        INTEGER,
        provFilterEntryIndex8
        INTEGER,
        provFilterEntryIndex9
        INTEGER,
        provFilterEntryIndex10
        INTEGER,
        provFilterProfileName
        DisplayString,
        provFilterRowStatus
        RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.1
provFilterProfileIndex OBJECT-TYPE
    SYNTAX INTEGER (1..64)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table"
    ::= { provFilterProfileEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.2
provFilterProfileNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { provFilterProfileEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.3
provFilterEntryIndex1 OBJECT-TYPE
    SYNTAX INTEGER (0..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Filter Entry number which is assigned to this profile. The value
        0 means that no Filter entry is assigned. To set the filter entry
        to the profile, set the filter entry number to this object. To
        unassign the filter entry from the profile, set 0 to the object."
    DEFVAL { 0 }
    ::= { provFilterProfileEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.4
provFilterEntryIndex2 OBJECT-TYPE
    SYNTAX INTEGER (0..256)
    ACCESS read-only
    STATUS mandatory

```

DESCRIPTION

"Filter Entry number which is assigned to this profile. The value 0 means that no Filter entry is assigned. To set the filter entry to the profile, set the filter entry number to this object. To unassign the filter entry from the profile, set 0 to the object."

DEFVAL { 0 }

::= { provFilterProfileEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.5

provFilterEntryIndex3 OBJECT-TYPE

SYNTAX INTEGER (0..256)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Filter Entry number which is assigned to this profile. The value 0 means that no Filter entry is assigned. To set the filter entry to the profile, set the filter entry number to this object. To unassign the filter entry from the profile, set 0 to the object."

DEFVAL { 0 }

::= { provFilterProfileEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.6

provFilterEntryIndex4 OBJECT-TYPE

SYNTAX INTEGER (0..256)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Filter Entry number which is assigned to this profile. The value 0 means that no Filter entry is assigned. To set the filter entry to the profile, set the filter entry number to this object. To unassign the filter entry from the profile, set 0 to the object."

DEFVAL { 0 }

::= { provFilterProfileEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.7

provFilterEntryIndex5 OBJECT-TYPE

SYNTAX INTEGER (0..256)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Filter Entry number which is assigned to this profile. The value 0 means that no Filter entry is assigned. To set the filter entry to the profile, set the filter entry number to this object. To unassign the filter entry from the profile, set 0 to the object."

DEFVAL { 0 }

::= { provFilterProfileEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.8

provFilterEntryIndex6 OBJECT-TYPE

SYNTAX INTEGER (0..256)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Filter Entry number which is assigned to this profile. The value 0 means that no Filter entry is assigned. To set the filter entry to the profile, set the filter entry number to this object. To

```

        unassign the filter entry from the profile, set 0 to the object."
    DEFVAL { 0 }
    ::= { provFilterProfileEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.9
provFilterEntryIndex7 OBJECT-TYPE
    SYNTAX INTEGER (0..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Filter Entry number which is assigned to this profile. The value
        0 means that no Filter entry is assigned. To set the filter entry
        to the profile, set the filter entry number to this object. To
        unassign the filter entry from the profile, set 0 to the object."
    DEFVAL { 0 }
    ::= { provFilterProfileEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.10
provFilterEntryIndex8 OBJECT-TYPE
    SYNTAX INTEGER (0..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Filter Entry number which is assigned to this profile. The value
        0 means that no Filter entry is assigned. To set the filter entry
        to the profile, set the filter entry number to this object. To
        unassign the filter entry from the profile, set 0 to the object."
    DEFVAL { 0 }
    ::= { provFilterProfileEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.11
provFilterEntryIndex9 OBJECT-TYPE
    SYNTAX INTEGER (0..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Filter Entry number which is assigned to this profile. The value
        0 means that no Filter entry is assigned. To set the filter entry
        to the profile, set the filter entry number to this object. To
        unassign the filter entry from the profile, set 0 to the object."
    DEFVAL { 0 }
    ::= { provFilterProfileEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.12
provFilterEntryIndex10 OBJECT-TYPE
    SYNTAX INTEGER (0..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Filter Entry number which is assigned to this profile. The value
        0 means that no Filter entry is assigned. To set the filter entry
        to the profile, set the filter entry number to this object. To
        unassign the filter entry from the profile, set 0 to the object."
    DEFVAL { 0 }
    ::= { provFilterProfileEntry 12 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.68
provFilterProfileName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Administrative Name for the Filter Profile"
    ::= { provFilterProfileEntry 68 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.1.1.69
provFilterRowStatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            createAndGo(4),
            destroy(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RowStatus for this table. This object controls create and delete
        filter profile."
    ::= { provFilterProfileEntry 69 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2
provFilterEntryTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvFilterEntryEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFilterGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1
provFilterEntryEntry OBJECT-TYPE
    SYNTAX ProvFilterEntryEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provFilterEntryNEAddress, provFilterEntryIndex }
    ::= { provFilterEntryTable 1 }

ProvFilterEntryEntry ::=
    SEQUENCE {
        provFilterEntryIndex
            INTEGER,
        provFilterEntryNEAddress
            IpAddress,
        provFilterEntryMode
            INTEGER,
        provFilterEntryTarget
            INTEGER,
        provFilterEntryDestMac
            MacAddress,

```



```

        provFilterEntryDestMacMask
            MacAddress,
        provFilterEntrySrcMac
            MacAddress,
        provFilterEntrySrcMacMask
            MacAddress,
        provFilterEntryEthertype
            OCTET STRING,
        provFilterEntryEthertypeMask
            OCTET STRING,
        provFilterEntryCos
            OCTET STRING,
        provFilterEntryCosMask
            OCTET STRING,
        provFilterEntryVlan
            INTEGER,
        provFilterEntryVlanMask
            INTEGER,
        provFilterEntryRowStatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.1
provFilterEntryIndex OBJECT-TYPE
    SYNTAX INTEGER (1..256)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index(1-256)
        Note: When Rowstatus is set to Active, provFilterEntryEntry is
        not modify.
        Please execute the re-registration after it deletes it when you
        change provFilterEntryEntry.

        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFilterEntryEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.2
provFilterEntryNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFilterEntryEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.3
provFilterEntryMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        deny(1),
        permit(2)
    }

```

```

ACCESS read-only
STATUS obsolete
DESCRIPTION
    "Filter entry action:deny(1), permit(2)
    default:deny(1)
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
DEFVAL { deny }
::= { provFilterEntryEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.4
provFilterEntryTarget OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            l2filter(1)
        }
    ACCESS read-only
    STATUS obsolete
    DESCRIPTION
        "Filter Type:L2(1), L3(2)
        default:L2(1)
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { l2filter }
    ::= { provFilterEntryEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.5
provFilterEntryDestMac OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Destination MAC Address
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { '000000000000'h }
    ::= { provFilterEntryEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.6
provFilterEntryDestMacMask OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Destination MAC Address mask value
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { '000000000000'h }
    ::= { provFilterEntryEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.7

```

```

provFilterEntrySrcMac OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Source MAC Address
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { '000000000000'h }
    ::= { provFilterEntryEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.8
provFilterEntrySrcMacMask OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Source MAC Address mask value
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { '000000000000'h }
    ::= { provFilterEntryEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.9
provFilterEntryEthertype OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (2))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ethertype
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { '0000'h }
    ::= { provFilterEntryEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.10
provFilterEntryEthertypeMask OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (2))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ethertype mask value
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { '0000'h }
    ::= { provFilterEntryEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.11
provFilterEntryCos OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (1))
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    "CoS
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
DEFVAL { '00'h }
::= { provFilterEntryEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.12
provFilterEntryCosMask OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (1))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "CoS mask value
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { '00'h }
    ::= { provFilterEntryEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.13
provFilterEntryVlan OBJECT-TYPE
    SYNTAX INTEGER (1..4095)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN-ID
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { 1 }
    ::= { provFilterEntryEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.14
provFilterEntryVlanMask OBJECT-TYPE
    SYNTAX INTEGER (0..4095)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "VLAN-ID mask value
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    DEFVAL { 0 }
    ::= { provFilterEntryEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.2.1.53
provFilterEntryRowStatus OBJECT-TYPE
    SYNTAX RowStatus
        {
            active(1),
            createAndGo(4),
            destroy(6)
        }
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "RowStatus
    1. active
    4. createAndGo
    6. destroy
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFilterEntryEntry 53 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4
provFilterL2ProtoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvFilterL2ProtoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFilterGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1
provFilterL2ProtoEntry OBJECT-TYPE
    SYNTAX ProvFilterL2ProtoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provFilterL2ProtoNEAddress, provFilterL2ProtoIfIndex }
    ::= { provFilterL2ProtoTable 1 }

ProvFilterL2ProtoEntry ::=
    SEQUENCE {
        provFilterL2ProtoIfIndex
            InterfaceIndex,
        provFilterL2ProtoNEAddress
            IpAddress,
        provFilterL2ProtoBpduAction
            INTEGER,
        provFilterL2ProtoLacpAction
            INTEGER,
        provFilterL2ProtoPortAutheAction
            INTEGER,
        provFilterL2ProtoPBAction
            INTEGER,
        provFilterL2ProtoLldpAction
            INTEGER,
        provFilterL2ProtoOtherMacAction
            INTEGER,
        provFilterL2ProtoGarpAction
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.1
provFilterL2ProtoIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    "ifindex
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFilterL2ProtoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.2
provFilterL2ProtoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFilterL2ProtoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.3
provFilterL2ProtoBpduAction OBJECT-TYPE
    SYNTAX INTEGER
        {
            discard(1),
            transparent(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "L2 Protocol Fream(BPDU) Recive Action:discard(1),transparent(2)
        default:discard(1)
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFilterL2ProtoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.4
provFilterL2ProtoLacpAction OBJECT-TYPE
    SYNTAX INTEGER
        {
            discard(1),
            transparent(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "L2 Protocol Fream(LACP) Recive Action:discard(1),transparent(2)
        default:discard(1)
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFilterL2ProtoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.5
provFilterL2ProtoPortAutheAction OBJECT-TYPE
    SYNTAX INTEGER

```

```

        {
            discard(1),
            transparent(2)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "L2 Protocol Fream(Port Authe) Recive
    Action:discard(1),transparent(2)
    default:discard(1)
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFilterL2ProtoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.6
provFilterL2ProtoPBAction OBJECT-TYPE
    SYNTAX INTEGER
        {
            discard(1),
            transparent(2)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "L2 Protocol Fream(PB) Recive Action:discard(1),transparent(2)
    default:discard(1)
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFilterL2ProtoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.7
provFilterL2ProtoLldpAction OBJECT-TYPE
    SYNTAX INTEGER
        {
            discard(1),
            transparent(2)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "L2 Protocol Fream(LLDP) Recive Action:discard(1),transparent(2)
    default:discard(1)
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFilterL2ProtoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.8
provFilterL2ProtoOtherMacAction OBJECT-TYPE
    SYNTAX INTEGER
        {
            discard(1),
            transparent(2)
        }
ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "L2 Protocol Fream(Other Mac) Recive
    Action:discard(1),transparent(2)
    default:discard(1)
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provFilterL2ProtoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.4.1.9
provFilterL2ProtoGarpAction OBJECT-TYPE
    SYNTAX INTEGER
        {
            discard(1),
            transparent(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "L2 Protocol Fream(GARP) Recive Action:discard(1),transparent(2)
        default:discard(1)
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provFilterL2ProtoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.5
provETHPortFwdTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvETHPortFwdEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provFilterGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.5.1
provETHPortFwdEntry OBJECT-TYPE
    SYNTAX ProvETHPortFwdEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provETHPortFwdNEAddress, provETHPortFwdIfIndex }
    ::= { provETHPortFwdTable 1 }

ProvETHPortFwdEntry ::=
    SEQUENCE {
        provETHPortFwdIfIndex
            InterfaceIndex,
        provETHPortFwdNEAddress
            IpAddress,
        provETHPortFwdIsolation
            EnableDisableValue
    }

```



```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.5.1.1
provETHPortFwdIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provETHPortFwdEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.5.1.2
provETHPortFwdNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provETHPortFwdEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.29.5.1.3
provETHPortFwdIsolation OBJECT-TYPE
    SYNTAX EnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provETHPortFwdEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30
provETHPortSetGroup OBJECT IDENTIFIER ::= { provisioningGroup 30 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1
provETHPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvETHPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provETHPortSetGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1
provETHPortEntry OBJECT-TYPE
    SYNTAX ProvETHPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provETHPortNEAddress, provETHIfIndex }
    ::= { provETHPortTable 1 }

ProvETHPortEntry ::=
    SEQUENCE {
        provETHIfIndex
        InterfaceIndex,
        provETHPortNEAddress
    }

```

```

        IpAddress,
        provETHPortInterfaceType
        INTEGER,
        provETHPortSpeed
        INTEGER,
        provETHPortDuplex
        INTEGER,
        provETHPortFlowControl
        INTEGER,
        provETHPortMDIMDIX
        INTEGER,
        provETHPortPortClose
        INTEGER,
        provETHPortMirroring
        INTEGER,
        provETHPortDirection
        INTEGER,
        provETHPortName
        DisplayString
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.1
provETHIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ifindex
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provETHPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.2
provETHPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provETHPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.3
provETHPortInterfaceType OBJECT-TYPE
    SYNTAX INTEGER
    {
        fiber(1),
        copper(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "SFP type: fiber(1), copper(2)
        default: fiber(1)
        FLAG=TRAP|EVLOG

```

```

LOGITEM='%s'
LOGSTATUS='%s'"
::= { provETHPortEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.4
provETHPortSpeed OBJECT-TYPE
    SYNTAX INTEGER
        {
            autonego(1),
            s10M(2),
            s100M(3),
            s1000M(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Speed setting:autonego(1),10M(2),100M(3),1000M(4)
        default:autonego(1)
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provETHPortEntry 4 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.5
provETHPortDuplex OBJECT-TYPE
    SYNTAX INTEGER
        {
            half(1),
            full(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Duplex setting:half(1),full(2)
        default:full(2)

        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provETHPortEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.6
provETHPortFlowControl OBJECT-TYPE
    SYNTAX INTEGER
        {
            disable(1),
            enable(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Flowcontrol setting:disable(1),enable(2)
        default:enable(2)
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"

```

```
::= { provETHPortEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.7
provETHPortMDIMDIX OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
{
    mdi(1),
    mdi-x(2)
}
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"MDI setting:mdi(1),mdi-x(2)
default:mdi(1)
```

```
FLAG=TRAP|EVLOG
```

```
LOGITEM='%s'
```

```
LOGSTATUS='%s'"
```

```
::= { provETHPortEntry 7 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.8
provETHPortPortClose OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
{
    disable(1),
    enable(2)
}
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"port admin status:disable(1),enable(2)
default:enable(2)
```

```
FLAG=TRAP|EVLOG
```

```
LOGITEM='%s'
```

```
LOGSTATUS='%s'"
```

```
::= { provETHPortEntry 8 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.9
provETHPortMirroring OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
{
    none(1),
    mirroring(2),
    mirror(3)
}
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Mirror port type:none(1),mirroring(2),mirror(3)
default:none(1)
```

```
FLAG=TRAP|EVLOG
```

```
LOGITEM='%s'
```

```
LOGSTATUS='%s'"
```

```
::= { provETHPortEntry 9 }
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.10

provETHPortDirection OBJECT-TYPE

SYNTAX INTEGER

```
{
    ingress(1),
    egress(2),
    both(3)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Mirror fream direction:ingress(1),egress(2),both(3)

default:ingress(1)

FLAG=TRAP|EVLOG

LOGITEM='%s'

LOGSTATUS='%s'"

::= { provETHPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.1.1.11

provETHPortName OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..32))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Port Name(0-32 characters)

FLAG=TRAP|EVLOG

LOGITEM='%s'

LOGSTATUS='%s'"

::= { provETHPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.2

provETHPortMtuTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvETHPortMtuEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provETHPortSetGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.2.1

provETHPortMtuEntry OBJECT-TYPE

SYNTAX ProvETHPortMtuEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provETHPortMtuNEAddress, provETHPortMtuIndex }

::= { provETHPortMtuTable 1 }

ProvETHPortMtuEntry ::=

SEQUENCE {

provETHPortMtuIndex

INTEGER,

provETHPortMtuNEAddress

IpAddress,

provETHPortMtuFeMaxFrameSize

```

        INTEGER,
        provETHPortMtuGbeMaxFrameSize
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.2.1.1
provETHPortMtuIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provETHPortMtuEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.2.1.2
provETHPortMtuNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provETHPortMtuEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.2.1.3
provETHPortMtuFeMaxFrameSize OBJECT-TYPE
    SYNTAX INTEGER (64..2000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FE Port MTU size
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provETHPortMtuEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.30.2.1.4
provETHPortMtuGbeMaxFrameSize OBJECT-TYPE
    SYNTAX INTEGER (64..9600)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "GbE Port MTU size
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provETHPortMtuEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.31
provSyncETHSetGroup OBJECT IDENTIFIER ::= { provisioningGroup 31 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.31.1
provSyncETHTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvSyncETHEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provSyncETHSetGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.31.1.1
provSyncETHEntry OBJECT-TYPE
    SYNTAX ProvSyncETHEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provSyncETHNEAddress, provSyncETHIndex }
    ::= { provSyncETHTable 1 }

ProvSyncETHEntry ::=
    SEQUENCE {
        provSyncETHIndex
            INTEGER,
        provSyncETHNEAddress
            IpAddress,
        provSyncETHEnable
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.31.1.1.1
provSyncETHIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index=1
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provSyncETHEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.31.1.1.2
provSyncETHNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address
        FLAG=TRAP|EVLOG
        LOGITEM='%s'
        LOGSTATUS='%s'"
    ::= { provSyncETHEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.31.1.1.3
provSyncETHEnable OBJECT-TYPE
    SYNTAX INTEGER

```

```

        {
            disable(1),
            enable(2)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "SyncEther setting:disable(1),enable(2)
    default:disable(1)
    FLAG=TRAP|EVLOG
    LOGITEM='%s'
    LOGSTATUS='%s'"
::= { provSyncETHEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6
maintenanceGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1
maintCommonGroup OBJECT IDENTIFIER ::= { maintenanceGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.1
maintCommonTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintCommonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintCommonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.1.1
maintCommonEntry OBJECT-TYPE
    SYNTAX MaintCommonEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintCommonNEAddress, maintCommonIndex }
    ::= { maintCommonTable 1 }

MaintCommonEntry ::=
    SEQUENCE {
        maintCommonIndex
            INTEGER,
        maintCommonNEAddress
            IpAddress,
        maintMode
            OffOnValue,
        maintLANDeviceReset
            INTEGER,
        maintShipment
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.1.1.1
maintCommonIndex OBJECT-TYPE

```



```

SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION
" "
::= { maintCommonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.1.1.2
maintCommonNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintCommonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.1.1.3
maintMode OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='MAINTENANCE'
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintCommonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.1.1.4
maintLANDeviceReset OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        reset(1)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='LAN DEVICE RESET'
        LOGSTATUS='NOT SELECTED(1),RESET(2)'
        TRAP=controlEvent"
    ::= { maintCommonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.1.1.5
maintShipment OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        rfFrequencyClear(1),
        provisioningClear(2),
        allClearWoSoftkeyAndConfig(3),
        allClearWoSoftkey(4),
        allClear(5)
    }
    ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGITEM='SHIPMENT'
    LOGSTATUS='NOT SELECTED(0),SMU CLEAR(1),SMU CLEAR W/O RELAY
    CONF(2),ONLY RF FREQUENCY(3),SMU+PMC CLEAR(4),SMU+PMC CLEAR W/O
    PMC CONF(5),SMU+FUNCTIONKEY CLEAR(6)'
    TRAP=controlEvent"
::= { maintCommonEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.2
maintCardTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintCardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintCommonGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.2.1
maintCardEntry OBJECT-TYPE
    SYNTAX MaintCardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintCardNEAddress, maintCardIndex }
    ::= { maintCardTable 1 }

MaintCardEntry ::=
    SEQUENCE {
        maintCardIndex
            INTEGER,
        maintCardNEAddress
            IpAddress,
        maintCardReset
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.2.1.1
maintCardIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintCardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.2.1.2
maintCardNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintCardEntry 2 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.2.1.3

maintCardReset OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    reset(1)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"FLAG=TRAP|EVLOG
LOGITEM='MAINTENANCE'
LOGSTATUS='OFF(1),ON(2)'
TRAP=controlEvent"

::= { maintCardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.3

maintOduResetTable OBJECT-TYPE

SYNTAX SEQUENCE OF MaintOduResetEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { maintCommonGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.3.1

maintOduResetEntry OBJECT-TYPE

SYNTAX MaintOduResetEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { maintOduResetNEAddress, maintOduResetIfIndex }

::= { maintOduResetTable 1 }

MaintOduResetEntry ::=

SEQUENCE {

```
    maintOduResetIfIndex
    InterfaceIndex,
    maintOduResetNEAddress
    IpAddress,
    maintOduReset
    INTEGER
```

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.3.1.1

maintOduResetIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { maintOduResetEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.3.1.2
maintOduResetNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintOduResetEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.3.1.3
maintOduReset OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            resetNormal(1),
            resetRevert(2),
            resetNone(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='MAINTENANCE'
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintOduResetEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.4
maintIduResetTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintIduResetEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintCommonGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.4.1
maintIduResetEntry OBJECT-TYPE
    SYNTAX MaintIduResetEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintIduResetNEAddress, maintIduResetIndex }
    ::= { maintIduResetTable 1 }

MaintIduResetEntry ::=
    SEQUENCE {
        maintIduResetIndex
            INTEGER,
        maintIduResetNEAddress
            IpAddress,
        maintIduReset
            INTEGER
    }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.4.1.1
maintIlduResetIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintIlduResetEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.4.1.2
maintIlduResetNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintIlduResetEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.1.4.1.3
maintIlduReset OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        resetNormal(1),
        resetRevert(2),
        resetNone(3)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='MAINTENANCE'
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintIlduResetEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2
maintModemTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintModemEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintenanceGroup 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1
maintModemEntry OBJECT-TYPE
    SYNTAX MaintModemEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintModemNEAddress, maintModemIfIndex }
    ::= { maintModemTable 1 }
```

```

MaintModemEntry ::=
  SEQUENCE {
    maintModemIfIndex
      InterfaceIndex,
    maintModemNEAddress
      IpAddress,
    maintModemATPCManualControl
      INTEGER,
    maintModemATPCManualContPower
      INTEGER,
    maintModemTxMuteControl
      OffOnValue,
    maintModemTxMuteContReleaseTime
      INTEGER,
    maintModemCW
      OffOnValue,
    maintModemCWReleaseTime
      INTEGER,
    maintModemIFLoopback
      OffOnValue,
    maintModemIFLoopbackReleaseTime
      INTEGER,
    maintModemForcedXPICCont
      INTEGER,
    maintModemTxModulationManualControl
      INTEGER,
    maintModemRFSubBandSelect
      DisplayString
  }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.1
```

```
maintModemIfIndex OBJECT-TYPE
```

```
  SYNTAX InterfaceIndex
```

```
  ACCESS read-only
```

```
  STATUS mandatory
```

```
  DESCRIPTION
```

```
    " "
```

```
  ::= { maintModemEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.2
```

```
maintModemNEAddress OBJECT-TYPE
```

```
  SYNTAX IpAddress
```

```
  ACCESS read-only
```

```
  STATUS mandatory
```

```
  DESCRIPTION
```

```
    " "
```

```
  ::= { maintModemEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.3
```

```
maintModemATPCManualControl OBJECT-TYPE
```

```
  SYNTAX INTEGER
```

```
  {
```

```
    invalid(0),
```

```
    auto(1),
```

```
    manual(2)
```

```
  }
```

```
  ACCESS read-only
```

```
  STATUS mandatory
```

```

DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGITEM='ATPC MANUAL CONTROL'
    LOGSTATUS='AUTO(1),MANUAL(2)'
    TRAP=controlEvent"
::= { maintModemEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.4
maintModemATPCManualContPower OBJECT-TYPE
    SYNTAX INTEGER (-380..400)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='ATPC MANUAL POWER[dB]'
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { maintModemEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.5
maintModemTxMuteControl OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='TX MUTE CONTROL'
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintModemEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.6
maintModemTxMuteContReleaseTime OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='TX MUTE OFF TIMER'
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { maintModemEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.7
maintModemCW OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='CW CONTROL'
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintModemEntry 7 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.8
maintModemCWReleaseTime OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='TX MUTE OFF TIMER'
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { maintModemEntry 8 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.9
maintModemIFLoopback OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='IF LOOPBACK'
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintModemEntry 9 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.10
maintModemIFLoopbackReleaseTime OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='TX MUTE OFF TIMER'
        LOGSTATUS='%d'
        TRAP=controlEvent"
    ::= { maintModemEntry 10 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.13
maintModemForcedXPICCont OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        auto(1),
        forcedReset(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='XPIC CONTROL'
        LOGSTATUS='AUTO(1),FORCED RESET(2)'
        TRAP=controlEvent"
    ::= { maintModemEntry 13 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.14
maintModemTxModulationManualControl OBJECT-TYPE
    SYNTAX INTEGER
```



```

        {
            invalid(0),
            auto(1),
            qpsk(2),
            qam16(3),
            qam32(4),
            qam64(5),
            qam128(6),
            qam256(7)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='TX MODULATION MANUAL CONTROL'

LOGSTATUS='AUTO(1),QPSK(2),16QAM(3),32QAM(4),64QAM(5),128QAM(6),256QAM(7),512QAM(8
)'
        TRAP=controlEvent"
    ::= { maintModemEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.2.1.15
maintModemRFSubBandSelect OBJECT-TYPE
    SYNTAX DisplayString (SIZE (1))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='RF SUB BAND SELECT'

LOGSTATUS='A(65),B(66),C(67),D(68),E(69),F(70),G(71),H(72),J(74),K(75),L(76),M(77),N(78),P(80),
R(82),X(88)'
        TRAP=controlEvent"
    ::= { maintModemEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3
maintSwGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintSwGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintenanceGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1
maintSwGroupEntry OBJECT-TYPE
    SYNTAX MaintSwGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintSwGroupNEAddress, maintSwGroupIfIndex }
    ::= { maintSwGroupTable 1 }

MaintSwGroupEntry ::=
    SEQUENCE {

```

```

        maintSwGroupIfIndex
            InterfaceIndex,
        maintSwGroupNEAddress
            IpAddress,
        maintTxSWControl
            INTEGER,
        maintTxSWMode
            INTEGER,
        maintRxSWControl
            INTEGER,
        maintRxSWMode
            INTEGER,
        maintDADEAdjust
            INTEGER,
        maintDADEAdjustEnable
            OffOnValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1.1
maintSwGroupIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSwGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1.2
maintSwGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSwGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1.3
maintTxSWControl OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        clear(1),
        forcedNo1(2),
        forcedNo2(3)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSwGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1.4
maintTxSWMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        clear(1),

```

```

        clear2(2),
        forcedNo1(3),
        forcedNo2(4)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSwGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1.5
maintRxSWControl OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        clear(1),
        manualNo1(2),
        manualNo2(3),
        forcedNo1(4),
        forcedNo2(5)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSwGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1.6
maintRxSWMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        clear(1),
        clear2(2),
        manualNo1(3),
        manualNo2(4),
        forcedNo1(5),
        forcedNo2(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSwGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1.7
maintDADEAdjust OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        dade(1),
        offsetDade(2),
        dadeOff(3)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

        "FLAG=TRAP|EVLOG
        LOGITEM='DADE ADJUST'
        LOGSTATUS='DADE(1),OFFSET DADE(2),DADE OFF(3)'
        TRAP=controlEvent"
    ::= { maintSwGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.3.1.8
maintDADEAdjustEnable OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='DADE ADJUST ENABLE'
        LOGSTATUS='OFF(1),ON(EXECUTING)(2)'
        TRAP=statusChange"
    ::= { maintSwGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.4
maintE1SystemTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintE1SystemEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintenanceGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.4.1
maintE1SystemEntry OBJECT-TYPE
    SYNTAX MaintE1SystemEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintE1SystemNEAddress, maintE1SystemIfIndex }
    ::= { maintE1SystemTable 1 }

MaintE1SystemEntry ::=
    SEQUENCE {
        maintE1SystemIfIndex
        InterfaceIndex,
        maintE1SystemNEAddress
        IpAddress,
        maintE1ChLoopback1
        OffOnValue,
        maintE1ChLoopback2
        OffOnValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.4.1.1
maintE1SystemIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

```

```

::= { maintE1SystemEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.4.1.2
maintE1SystemNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintE1SystemEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.4.1.3
maintE1ChLoopback1 OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='E1 CH LOOPBACK1'
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintE1SystemEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.4.1.4
maintE1ChLoopback2 OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='E1 CH LOOPBACK2'
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintE1SystemEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5
maintStm1Group OBJECT IDENTIFIER ::= { maintenanceGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5.1
maintStm1PortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintStm1PortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintStm1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5.1.1
maintStm1PortEntry OBJECT-TYPE
    SYNTAX MaintStm1PortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

```

```
INDEX { maintStm1PortNEAddress, maintStm1PortIfIndex }
::= { maintStm1PortTable 1 }
```

```
MaintStm1PortEntry ::=
  SEQUENCE {
    maintStm1PortIfIndex
      InterfaceIndex,
    maintStm1PortNEAddress
      IpAddress,
    maintStm1ChLoopback1
      OffOnValue,
    maintStm1ChLoopback2
      OffOnValue,
    maintStm1ForcedLSCont
      OffOnValue,
    maintStm1ALSMuanualRestart
      INTEGER
  }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5.1.1.1
maintStm1PortIfIndex OBJECT-TYPE
  SYNTAX InterfaceIndex
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  ::= { maintStm1PortEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5.1.1.2
maintStm1PortNEAddress OBJECT-TYPE
  SYNTAX IpAddress
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  ::= { maintStm1PortEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5.1.1.3
maintStm1ChLoopback1 OBJECT-TYPE
  SYNTAX OffOnValue
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='OFF(1),ON(2)'
    TRAP=controlEvent"
  ::= { maintStm1PortEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5.1.1.4
maintStm1ChLoopback2 OBJECT-TYPE
  SYNTAX OffOnValue
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "FLAG=TRAP|EVLOG
    LOGSTATUS='OFF(1),ON(2)'"
```

```

        TRAP=controlEvent"
    ::= { maintStm1PortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5.1.1.5
maintStm1ForcedLSCont OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintStm1PortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.5.1.1.6
maintStm1ALSMuanualRestart OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            off(1),
            shortOn(2),
            longOn(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"
    ::= { maintStm1PortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.6
maintTimingSourceTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintTimingSourceEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintenanceGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.6.1
maintTimingSourceEntry OBJECT-TYPE
    SYNTAX MaintTimingSourceEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintTimingSourceNEAddress, maintTimingSourceIndex }
    ::= { maintTimingSourceTable 1 }

MaintTimingSourceEntry ::=
    SEQUENCE {
        maintTimingSourceIndex
            INTEGER,
        maintTimingSourceNEAddress

```

```

        IpAddress,
        maintTimingSourceSwControl
        INTEGER,
        maintTimingSourceLockOut
        OffOnValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.6.1.1
maintTimingSourceIndex OBJECT-TYPE
    SYNTAX INTEGER
    {
        timingSource1(1),
        timingSource2(2),
        timingSource3(3)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintTimingSourceEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.6.1.2
maintTimingSourceNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintTimingSourceEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.6.1.3
maintTimingSourceSwControl OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        normal(1),
        manualSw(2),
        forcedSw(3)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGITEM='TIMING SOURCE SW CONTROL'
        LOGSTATUS='NORMAL(1),MANUAL SW(2),FORCED SW(3)'
        TRAP=controlEvent"
    ::= { maintTimingSourceEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.6.1.4
maintTimingSourceLockOut OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FLAG=TRAP|EVLOG
        LOGSTATUS='OFF(1),ON(2)'
        TRAP=controlEvent"

```



```

::= { maintTimingSourceEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.8
maintSncpSwTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintSncpSwEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintenanceGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.8.1
maintSncpSwEntry OBJECT-TYPE
    SYNTAX MaintSncpSwEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintSncpSwNEAddress, maintSncpSwIndex }
    ::= { maintSncpSwTable 1 }

MaintSncpSwEntry ::=
    SEQUENCE {
        maintSncpSwIndex
            INTEGER,
        maintSncpSwNEAddress
            IpAddress,
        maintSncpSwControl
            INTEGER,
        maintSncpSwMode
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.8.1.1
maintSncpSwIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSncpSwEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.8.1.2
maintSncpSwNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSncpSwEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.8.1.3
maintSncpSwControl OBJECT-TYPE
    SYNTAX INTEGER
    {

```

```

        invalid(0),
        clear(1),
        forcedSwToProtection(2),
        forcedSwToWork(3),
        manualSwToProtection(4),
        manualSwToWork(5)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSncpSwEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.8.1.4
maintSncpSwMode OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        clear(1),
        clear2(2),
        forcedSwToProtection(3),
        forcedSwToWork(4),
        manualSwToProtection(5),
        manualSwToWork(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintSncpSwEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9
maintETHGroup OBJECT IDENTIFIER ::= { maintenanceGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1
maintFdbGroup OBJECT IDENTIFIER ::= { maintETHGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1
maintFdbTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintFdbEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintFdbGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1.1
maintFdbEntry OBJECT-TYPE
    SYNTAX MaintFdbEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintFdbNEAddress, maintFdbIndex }
    ::= { maintFdbTable 1 }

```

```

MaintFdbEntry ::=
    SEQUENCE {
        maintFdbIndex
            INTEGER,
        maintFdbNEAddress
            IpAddress,
        maintFdbTableClearAll
            OffOnValue,
        maintFdbTableClearPort
            InterfaceIndex,
        maintFdbTableClearVlan
            INTEGER,
        maintFdbGetLearningInfoExecute
            OffOnValue,
        maintFdbClearLearningInfoExecute
            OffOnValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1.1.1
maintFdbIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintFdbEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1.1.2
maintFdbNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintFdbEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1.1.3
maintFdbTableClearAll OBJECT-TYPE
    SYNTAX OffOnValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintFdbEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1.1.4
maintFdbTableClearPort OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Port Number (ifindex)"
    ::= { maintFdbEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1.1.5

maintFdbTableClearVlan OBJECT-TYPE

SYNTAX INTEGER (0..4094)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"VLAN Number(1-4094)

value range : 0 - 4094, unuse(0)"

::= { maintFdbEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1.1.6

maintFdbGetLearningInfoExecute OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { maintFdbEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.1.1.1.7

maintFdbClearLearningInfoExecute OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { maintFdbEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2

maintEthOamGroup OBJECT IDENTIFIER ::= { maintETHGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1

maintEthOamLbTable OBJECT-TYPE

SYNTAX SEQUENCE OF MaintEthOamLbEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"ETH-LB Execution Management Table"

::= { maintEthOamGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1

maintEthOamLbEntry OBJECT-TYPE

SYNTAX MaintEthOamLbEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { maintEthOamLbNEAddress, maintEthOamLbMepIndex }

::= { maintEthOamLbTable 1 }

MaintEthOamLbEntry ::=

SEQUENCE {

maintEthOamLbMepIndex

lpeMepId,

```

        maintEthOamLbNEAddress
            IpAddress,
        maintEthOamLbExecute
            INTEGER,
        maintEthOamLbDesAddress
            MacAddress,
        maintEthOamLbCount
            INTEGER,
        maintEthOamLbPeriod
            INTEGER,
        maintEthOamLbSize
            INTEGER,
        maintEthOamLbPriority
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1.1
maintEthOamLbMepIndex OBJECT-TYPE
    SYNTAX IpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Index(1-128)"
    ::= { maintEthOamLbEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1.2
maintEthOamLbNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { maintEthOamLbEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1.3
maintEthOamLbExecute OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        run(1),
        stop(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LB Execution"
    ::= { maintEthOamLbEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1.4
maintEthOamLbDesAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Destination MAC Address"
    ::= { maintEthOamLbEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1.5

maintEthOamLbCount OBJECT-TYPE

SYNTAX INTEGER (1..127)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Transmit Count(1-127)"

::= { maintEthOamLbEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1.6

maintEthOamLbPeriod OBJECT-TYPE

SYNTAX INTEGER (1..10)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Transmit Period(1-10)"

::= { maintEthOamLbEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1.7

maintEthOamLbSize OBJECT-TYPE

SYNTAX INTEGER (64..9600)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"PDU Size(64-9600)"

::= { maintEthOamLbEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.1.1.8

maintEthOamLbPriority OBJECT-TYPE

SYNTAX INTEGER (0..7)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Priority(0-7)"

::= { maintEthOamLbEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2

maintEthOamLbResultTable OBJECT-TYPE

SYNTAX SEQUENCE OF MaintEthOamLbResultEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"ETH-LB Result Table"

::= { maintEthOamGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1

maintEthOamLbResultEntry OBJECT-TYPE

SYNTAX MaintEthOamLbResultEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { maintEthOamLbResultNEAddress, maintEthOamLbResultMepIndex }

::= { maintEthOamLbResultTable 1 }

```

MaintEthOamLbResultEntry ::=
    SEQUENCE {
        maintEthOamLbResultMepIndex
            lpeMepId,
        maintEthOamLbResultNEAddress
            IpAddress,
        maintEthOamLbResultIfIndex
            InterfaceIndex,
        maintEthOamLbResultMacAddress
            MacAddress,
        maintEthOamLbResultVid
            INTEGER,
        maintEthOamLbResultMegId
            OCTET STRING,
        maintEthOamLbResultMepId
            INTEGER,
        maintEthOamLbResultMegLevel
            INTEGER,
        maintEthOamLbResultDaType
            INTEGER,
        maintEthOamLbResultSuccess
            INTEGER,
        maintEthOamLbResultFail
            INTEGER,
        maintEthOamLbResultMinTime
            INTEGER,
        maintEthOamLbResultMaxTime
            INTEGER,
        maintEthOamLbResultAveTime
            INTEGER,
        maintEthOamLbResultDevTime
            INTEGER,
        maintEthOamLbResultLastUpTime
            DateAndTime,
        maintEthOamLbResultExecStatus
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.1
maintEthOamLbResultMepIndex OBJECT-TYPE
    SYNTAX lpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Index(1-128)"
    ::= { maintEthOamLbResultEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.2
maintEthOamLbResultNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { maintEthOamLbResultEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.3
maintEthOamLbResultIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ifindex"
    ::= { maintEthOamLbResultEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.4
maintEthOamLbResultMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MAC Address"
    ::= { maintEthOamLbResultEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.5
maintEthOamLbResultVid OBJECT-TYPE
    SYNTAX INTEGER (0..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's Vlan Id"
    ::= { maintEthOamLbResultEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.6
maintEthOamLbResultMegId OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (1..43))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's MEG ID"
    ::= { maintEthOamLbResultEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.7
maintEthOamLbResultMepId OBJECT-TYPE
    SYNTAX INTEGER (1..8191)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Id"
    ::= { maintEthOamLbResultEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.8
maintEthOamLbResultMegLevel OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's Meg Level"
    ::= { maintEthOamLbResultEntry 8 }

```



```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.9
maintEthOamLbResultDaType OBJECT-TYPE
    SYNTAX INTEGER
        {
            multicast(0),
            unicast(1)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MAC Address Type(Multicast or Unicast)"
    ::= { maintEthOamLbResultEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.10
maintEthOamLbResultSuccess OBJECT-TYPE
    SYNTAX INTEGER (0..127)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LB Success Count"
    ::= { maintEthOamLbResultEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.11
maintEthOamLbResultFail OBJECT-TYPE
    SYNTAX INTEGER (0..127)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LB Fail Count(for UnicastLB only)"
    ::= { maintEthOamLbResultEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.12
maintEthOamLbResultMinTime OBJECT-TYPE
    SYNTAX INTEGER (0..5000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Minimum Round Trip Time(for UnicastLB only)"
    ::= { maintEthOamLbResultEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.13
maintEthOamLbResultMaxTime OBJECT-TYPE
    SYNTAX INTEGER (0..5000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Maximum Round Trip Time(for UnicastLB only)"
    ::= { maintEthOamLbResultEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.14
maintEthOamLbResultAveTime OBJECT-TYPE
    SYNTAX INTEGER (0..5000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

"Average Round Trip Time(for UnicastLB only)"
 ::= { maintEthOamLbResultEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.15
 maintEthOamLbResultDevTime OBJECT-TYPE
 SYNTAX INTEGER (0..5000)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Deflection Round Trip Time(for UnicastLB only)"
 ::= { maintEthOamLbResultEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.16
 maintEthOamLbResultLastUpTime OBJECT-TYPE
 SYNTAX DateAndTime
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "ETH-LB Start Time"
 ::= { maintEthOamLbResultEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.2.1.17
 maintEthOamLbResultExecStatus OBJECT-TYPE
 SYNTAX INTEGER
 {
 none(0),
 running(1),
 stop(2),
 complete(3)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "ETH-LB Execution Status"
 ::= { maintEthOamLbResultEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.3
 maintEthOamLbResultMacTable OBJECT-TYPE
 SYNTAX SEQUENCE OF MaintEthOamLbResultMacEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "ETH-LB Result MAC Address Table"
 ::= { maintEthOamGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.3.1
 maintEthOamLbResultMacEntry OBJECT-TYPE
 SYNTAX MaintEthOamLbResultMacEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "
 "
 INDEX { maintEthOamLbResultMacNEAddress, maintEthOamLbResultMacMepIndex,
 maintEthOamLbResultMacNumber }
 ::= { maintEthOamLbResultMacTable 1 }

```

MaintEthOamLbResultMacEntry ::=
  SEQUENCE {
    maintEthOamLbResultMacMepIndex
      lpeMepId,
    maintEthOamLbResultMacNumber
      INTEGER,
    maintEthOamLbResultMacNEAddress
      IpAddress,
    maintEthOamLbResultMac
      INTEGER,
    maintEthOamLbResultMacSrcAddress
      MacAddress,
    maintEthOamLbResultMacTime
      INTEGER
  }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.3.1.1
maintEthOamLbResultMacMepIndex OBJECT-TYPE
  SYNTAX lpeMepId
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "Mep Index(1-128)"
  ::= { maintEthOamLbResultMacEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.3.1.2
maintEthOamLbResultMacNumber OBJECT-TYPE
  SYNTAX INTEGER (1..16)
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "ETH-LBR Receive Number"
  ::= { maintEthOamLbResultMacEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.3.1.3
maintEthOamLbResultMacNEAddress OBJECT-TYPE
  SYNTAX IpAddress
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "IP Address"
  ::= { maintEthOamLbResultMacEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.3.1.4
maintEthOamLbResultMac OBJECT-TYPE
  SYNTAX INTEGER
  {
    invalid(0),
    receive(1),
    timeout(2)
  }
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "ETH-LB Result(for UnicastLB only)"

```

```

::= { maintEthOamLbResultMacEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.3.1.5
maintEthOamLbResultMacSrcAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MAC Address"
    ::= { maintEthOamLbResultMacEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.3.1.6
maintEthOamLbResultMacTime OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Round Trip Time"
    ::= { maintEthOamLbResultMacEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.4
maintEthOamLtTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintEthOamLtEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "ETH-LT Execution Management Table"
    ::= { maintEthOamGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.4.1
maintEthOamLtEntry OBJECT-TYPE
    SYNTAX MaintEthOamLtEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintEthOamLtNEAddress, maintEthOamLtMepIndex }
    ::= { maintEthOamLtTable 1 }

MaintEthOamLtEntry ::=
    SEQUENCE {
        maintEthOamLtMepIndex
        lpeMepId,
        maintEthOamLtNEAddress
        IpAddress,
        maintEthOamLtExecute
        INTEGER,
        maintEthOamLtTargetAddress
        MacAddress,
        maintEthOamLtTtl
        INTEGER,
        maintEthOamLtPriority
        INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.4.1.1
maintEthOamLtMepIndex OBJECT-TYPE
    SYNTAX IpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Index(1-128)"
    ::= { maintEthOamLtEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.4.1.2
maintEthOamLtNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { maintEthOamLtEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.4.1.3
maintEthOamLtExecute OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            run(1),
            stop(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LT Execution"
    ::= { maintEthOamLtEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.4.1.4
maintEthOamLtTargetAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Target MAC Address"
    ::= { maintEthOamLtEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.4.1.5
maintEthOamLtTtl OBJECT-TYPE
    SYNTAX INTEGER (1..255)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Time To Live(1-255)"
    ::= { maintEthOamLtEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.4.1.6
maintEthOamLtPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory

```

DESCRIPTION
 "Priority(0-7)"
 ::= { maintEthOamLtEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5
 maintEthOamLtResultTable OBJECT-TYPE
 SYNTAX SEQUENCE OF MaintEthOamLtResultEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "ETH-LT Result Table"
 ::= { maintEthOamGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1
 maintEthOamLtResultEntry OBJECT-TYPE
 SYNTAX MaintEthOamLtResultEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 ""
 INDEX { maintEthOamLtResultNEAddress, maintEthOamLtResultMepIndex }
 ::= { maintEthOamLtResultTable 1 }

MaintEthOamLtResultEntry ::=

```

SEQUENCE {
    maintEthOamLtResultMepIndex
        lpeMepId,
    maintEthOamLtResultNEAddress
        IpAddress,
    maintEthOamLtResultIfIndex
        InterfaceIndex,
    maintEthOamLtResultMacAddress
        MacAddress,
    maintEthOamLtResultVid
        INTEGER,
    maintEthOamLtResultMegId
        OCTET STRING,
    maintEthOamLtResultMepId
        INTEGER,
    maintEthOamLtResultMegLevel
        INTEGER,
    maintEthOamLtResultTtl
        INTEGER,
    maintEthOamLtResultReceive
        INTEGER,
    maintEthOamLtResultLastUpTime
        DateAndTime,
    maintEthOamLtResultExecStatus
        INTEGER
}

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.1
 maintEthOamLtResultMepIndex OBJECT-TYPE
 SYNTAX lpeMepId
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION

```

        "Mep Index(1-128)"
        ::= { maintEthOamLtResultEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.2
maintEthOamLtResultNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { maintEthOamLtResultEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.3
maintEthOamLtResultIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ifindex"
    ::= { maintEthOamLtResultEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.4
maintEthOamLtResultMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MAC Address"
    ::= { maintEthOamLtResultEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.5
maintEthOamLtResultVid OBJECT-TYPE
    SYNTAX INTEGER (0..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's Vlan Id"
    ::= { maintEthOamLtResultEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.6
maintEthOamLtResultMegId OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (1..43))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's MEG ID"
    ::= { maintEthOamLtResultEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.7
maintEthOamLtResultMepId OBJECT-TYPE
    SYNTAX INTEGER (1..8191)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

```

        "Mep Id"
        ::= { maintEthOamLtResultEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.8
maintEthOamLtResultMegLevel OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's Meg Level"
    ::= { maintEthOamLtResultEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.9
maintEthOamLtResultTtl OBJECT-TYPE
    SYNTAX INTEGER (0..255)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "TTL"
    ::= { maintEthOamLtResultEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.10
maintEthOamLtResultReceive OBJECT-TYPE
    SYNTAX INTEGER (0..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LTR Receive Count"
    ::= { maintEthOamLtResultEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.11
maintEthOamLtResultLastUpTime OBJECT-TYPE
    SYNTAX DateAndTime
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LT Start Time"
    ::= { maintEthOamLtResultEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.5.1.12
maintEthOamLtResultExecStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            none(0),
            running(1),
            stop(2),
            complete(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LT Execution Status"
    ::= { maintEthOamLtResultEntry 12 }

```



```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.6
maintEthOamLtResultMacTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintEthOamLtResultMacEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "ETH-LT Result MAC Address Table"
    ::= { maintEthOamGroup 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.6.1
maintEthOamLtResultMacEntry OBJECT-TYPE
    SYNTAX MaintEthOamLtResultMacEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintEthOamLtResultMacNEAddress, maintEthOamLtResultMacMepIndex,
maintEthOamLtResultMacNumber }
    ::= { maintEthOamLtResultMacTable 1 }
```

```
MaintEthOamLtResultMacEntry ::=
    SEQUENCE {
        maintEthOamLtResultMacMepIndex
        lpeMepId,
        maintEthOamLtResultMacNumber
        INTEGER,
        maintEthOamLtResultMacNEAddress
        IpAddress,
        maintEthOamLtResultMacTtl
        INTEGER,
        maintEthOamLtResultMacSrcAddress
        MacAddress,
        maintEthOamLtResultMacRlyAct
        INTEGER
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.6.1.1
maintEthOamLtResultMacMepIndex OBJECT-TYPE
    SYNTAX lpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Index(1-128)"
    ::= { maintEthOamLtResultMacEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.6.1.2
maintEthOamLtResultMacNumber OBJECT-TYPE
    SYNTAX INTEGER (1..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LTR Receive Number"
    ::= { maintEthOamLtResultMacEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.6.1.3
maintEthOamLtResultMacNEAddress OBJECT-TYPE
```

```

SYNTAX IPAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "IP Address"
::= { maintEthOamLtResultMacEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.6.1.4
maintEthOamLtResultMacTtl OBJECT-TYPE
    SYNTAX INTEGER (0..255)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Time To Live"
    ::= { maintEthOamLtResultMacEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.6.1.5
maintEthOamLtResultMacSrcAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MAC Address"
    ::= { maintEthOamLtResultMacEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.6.1.6
maintEthOamLtResultMacRlyAct OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            relayHit(1),
            relayFDB(2),
            relayNFDB(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RelayAction"
    ::= { maintEthOamLtResultMacEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7
maintEthOamDmTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintEthOamDmEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "ETH-DM Execution Management Table"
    ::= { maintEthOamGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7.1
maintEthOamDmEntry OBJECT-TYPE
    SYNTAX MaintEthOamDmEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION

```

```

" "
INDEX { maintEthOamDmNEAddress, maintEthOamDmMepIndex }
::= { maintEthOamDmTable 1 }

MaintEthOamDmEntry ::=
SEQUENCE {
    maintEthOamDmMepIndex
        lpeMepId,
    maintEthOamDmNEAddress
        IpAddress,
    maintEthOamDmExecute
        INTEGER,
    maintEthOamDmDesAddress
        MacAddress,
    maintEthOamDmCount
        INTEGER,
    maintEthOamDmPeriodS
        INTEGER,
    maintEthOamDmPriority
        INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7.1.1
maintEthOamDmMepIndex OBJECT-TYPE
    SYNTAX lpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Index"
    ::= { maintEthOamDmEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7.1.2
maintEthOamDmNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { maintEthOamDmEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7.1.3
maintEthOamDmExecute OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        run(1),
        stop(2)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-DM Execution"
    ::= { maintEthOamDmEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7.1.4
maintEthOamDmDesAddress OBJECT-TYPE

```

```

SYNTAX MacAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Destination MAC Address"
::= { maintEthOamDmEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7.1.5
maintEthOamDmCount OBJECT-TYPE
    SYNTAX INTEGER (1..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-DM Transmit Count(1-500)"
    ::= { maintEthOamDmEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7.1.6
maintEthOamDmPeriodS OBJECT-TYPE
    SYNTAX INTEGER (1..10)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-DM Transmit Period Second"
    ::= { maintEthOamDmEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.7.1.7
maintEthOamDmPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Priority(0-7)"
    ::= { maintEthOamDmEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8
maintEthOamDmResultTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintEthOamDmResultEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "ETH-DM Result Table"
    ::= { maintEthOamGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1
maintEthOamDmResultEntry OBJECT-TYPE
    SYNTAX MaintEthOamDmResultEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { maintEthOamDmResultNEAddress, maintEthOamDmResultMepIndex }
    ::= { maintEthOamDmResultTable 1 }

MaintEthOamDmResultEntry ::=

```

```

SEQUENCE {
    maintEthOamDmResultMepIndex
        lpeMepId,
    maintEthOamDmResultNEAddress
        IpAddress,
    maintEthOamDmResultIfIndex
        InterfaceIndex,
    maintEthOamDmResultSrcMacAddress
        MacAddress,
    maintEthOamDmResultVid
        INTEGER,
    maintEthOamDmResultMegId
        OCTET STRING,
    maintEthOamDmResultMepId
        INTEGER,
    maintEthOamDmResultMegLevel
        INTEGER,
    maintEthOamDmResultDesMacAddress
        MacAddress,
    maintEthOamDmResultRequest
        INTEGER,
    maintEthOamDmResultReceive
        INTEGER,
    maintEthOamDmResultMinTime
        INTEGER,
    maintEthOamDmResultMaxTime
        INTEGER,
    maintEthOamDmResultAveTime
        INTEGER,
    maintEthOamDmResultDevTime
        INTEGER,
    maintEthOamDmResultErrCount
        INTEGER,
    maintEthOamDmResultLastUpTime
        DateAndTime,
    maintEthOamDmResultExecStatus
        INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.1
maintEthOamDmResultMepIndex OBJECT-TYPE
    SYNTAX lpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Index"
    ::= { maintEthOamDmResultEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.2
maintEthOamDmResultNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { maintEthOamDmResultEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.3

```

```

maintEthOamDmResultIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ifindex"
    ::= { maintEthOamDmResultEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.4
maintEthOamDmResultSrcMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MAC Address"
    ::= { maintEthOamDmResultEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.5
maintEthOamDmResultVid OBJECT-TYPE
    SYNTAX INTEGER (0..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's Vlan Id"
    ::= { maintEthOamDmResultEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.6
maintEthOamDmResultMegId OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..43))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's MEG ID"
    ::= { maintEthOamDmResultEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.7
maintEthOamDmResultMepId OBJECT-TYPE
    SYNTAX INTEGER (1..8191)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MEP ID"
    ::= { maintEthOamDmResultEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.8
maintEthOamDmResultMegLevel OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's Meg Level"
    ::= { maintEthOamDmResultEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.9

```

```

maintEthOamDmResultDesMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Destination MAC Address"
    ::= { maintEthOamDmResultEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.10
maintEthOamDmResultRequest OBJECT-TYPE
    SYNTAX INTEGER (0..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-DMM Transmit Count"
    ::= { maintEthOamDmResultEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.11
maintEthOamDmResultReceive OBJECT-TYPE
    SYNTAX INTEGER (0..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-DMR Receive Count"
    ::= { maintEthOamDmResultEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.12
maintEthOamDmResultMinTime OBJECT-TYPE
    SYNTAX INTEGER (0..8388608)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Minimum Round Trip Time"
    ::= { maintEthOamDmResultEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.13
maintEthOamDmResultMaxTime OBJECT-TYPE
    SYNTAX INTEGER (0..8388608)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Maximum Round Trip Time"
    ::= { maintEthOamDmResultEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.14
maintEthOamDmResultAveTime OBJECT-TYPE
    SYNTAX INTEGER (0..8388608)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Average Round Trip Time"
    ::= { maintEthOamDmResultEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.15

```

```

maintEthOamDmResultDevTime OBJECT-TYPE
    SYNTAX INTEGER (0..8388608)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Deflection Round Trip Time"
    ::= { maintEthOamDmResultEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.16
maintEthOamDmResultErrCount OBJECT-TYPE
    SYNTAX INTEGER (0..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Error Count"
    ::= { maintEthOamDmResultEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.17
maintEthOamDmResultLastUpTime OBJECT-TYPE
    SYNTAX DateAndTime
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-DM Start Time"
    ::= { maintEthOamDmResultEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.8.1.18
maintEthOamDmResultExecStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            none(0),
            running(1),
            stop(2),
            complete(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-DM Execution Status"
    ::= { maintEthOamDmResultEntry 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9
maintEthOamLmTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintEthOamLmEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "ETH-LM Execution Management Table"
    ::= { maintEthOamGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1
maintEthOamLmEntry OBJECT-TYPE
    SYNTAX MaintEthOamLmEntry
    ACCESS not-accessible
    STATUS mandatory

```


DESCRIPTION

" "

INDEX { maintEthOamLmNEAddress, maintEthOamLmMepIndex }
 ::= { maintEthOamLmTable 1 }

MaintEthOamLmEntry ::=

```
SEQUENCE {
    maintEthOamLmMepIndex
    lpeMepId,
    maintEthOamLmNEAddress
    IpAddress,
    maintEthOamLmExecute
    INTEGER,
    maintEthOamLmDesAddress
    MacAddress,
    maintEthOamLmCount
    INTEGER,
    maintEthOamLmPeriodS
    INTEGER,
    maintEthOamLmPriority
    INTEGER,
    maintEthOamLmTargetFrmPriority
    INTEGER
}
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1.1

maintEthOamLmMepIndex OBJECT-TYPE

```
SYNTAX lpeMepId
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Mep Index"
::= { maintEthOamLmEntry 1 }
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1.2

maintEthOamLmNEAddress OBJECT-TYPE

```
SYNTAX IpAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "IP Address"
::= { maintEthOamLmEntry 2 }
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1.3

maintEthOamLmExecute OBJECT-TYPE

```
SYNTAX INTEGER
{
    invalid(0),
    run(1),
    stop(2)
}
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "ETH-DM Execution"
::= { maintEthOamLmEntry 3 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1.4
maintEthOamLmDesAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Destination MAC Address"
    ::= { maintEthOamLmEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1.5
maintEthOamLmCount OBJECT-TYPE
    SYNTAX INTEGER (1..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LM Transmit Count(1-500)"
    ::= { maintEthOamLmEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1.6
maintEthOamLmPeriodS OBJECT-TYPE
    SYNTAX INTEGER (1..10)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LM Transmit Period Second"
    ::= { maintEthOamLmEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1.7
maintEthOamLmPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Priority(0-7)"
    ::= { maintEthOamLmEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.9.1.8
maintEthOamLmTargetFrmPriority OBJECT-TYPE
    SYNTAX INTEGER (-1..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintEthOamLmEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10
maintEthOamLmResultTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintEthOamLmResultEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "ETH-LM Result Table"
    ::= { maintEthOamGroup 10 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1
maintEthOamLmResultEntry OBJECT-TYPE
    SYNTAX MaintEthOamLmResultEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintEthOamLmResultNEAddress, maintEthOamLmResultMepIndex }
    ::= { maintEthOamLmResultTable 1 }
```

```
MaintEthOamLmResultEntry ::=
    SEQUENCE {
        maintEthOamLmResultMepIndex
            lpeMepId,
        maintEthOamLmResultNEAddress
            IpAddress,
        maintEthOamLmResultIfIndex
            InterfaceIndex,
        maintEthOamLmResultSrcMacAddress
            MacAddress,
        maintEthOamLmResultVid
            INTEGER,
        maintEthOamLmResultMegId
            OCTET STRING,
        maintEthOamLmResultMepId
            INTEGER,
        maintEthOamLmResultMegLevel
            INTEGER,
        maintEthOamLmResultDesMacAddress
            MacAddress,
        maintEthOamLmResultRequest
            INTEGER,
        maintEthOamLmResultReceive
            INTEGER,
        maintEthOamLmResultTxFrameLoss
            Counter,
        maintEthOamLmResultTxFLR
            INTEGER,
        maintEthOamLmResultRxFrameLoss
            Counter,
        maintEthOamLmResultRxFLR
            INTEGER,
        maintEthOamLmResultErrCount
            INTEGER,
        maintEthOamLmResultLastUpTime
            DateAndTime,
        maintEthOamLmResultExecStatus
            INTEGER
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.1
maintEthOamLmResultMepIndex OBJECT-TYPE
    SYNTAX lpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Index"
    ::= { maintEthOamLmResultEntry 1 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.2
maintEthOamLmResultNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "IP Address"
    ::= { maintEthOamLmResultEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.3
maintEthOamLmResultIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ifindex"
    ::= { maintEthOamLmResultEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.4
maintEthOamLmResultSrcMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MAC Address"
    ::= { maintEthOamLmResultEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.5
maintEthOamLmResultVid OBJECT-TYPE
    SYNTAX INTEGER (0..4094)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's Vlan Id"
    ::= { maintEthOamLmResultEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.6
maintEthOamLmResultMegId OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (0..43))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's MEG ID"
    ::= { maintEthOamLmResultEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.7
maintEthOamLmResultMepId OBJECT-TYPE
    SYNTAX INTEGER (1..8191)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MEP ID"
    ::= { maintEthOamLmResultEntry 7 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.8
maintEthOamLmResultMegLevel OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep's Meg Level"
    ::= { maintEthOamLmResultEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.9
maintEthOamLmResultDesMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Destination MAC Address"
    ::= { maintEthOamLmResultEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.10
maintEthOamLmResultRequest OBJECT-TYPE
    SYNTAX INTEGER (0..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LMM Transmit Count"
    ::= { maintEthOamLmResultEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.11
maintEthOamLmResultReceive OBJECT-TYPE
    SYNTAX INTEGER (0..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LMR Receive Count"
    ::= { maintEthOamLmResultEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.16
maintEthOamLmResultTxFrameLoss OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Transmit Frame Loss Count"
    ::= { maintEthOamLmResultEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.17
maintEthOamLmResultTxFLR OBJECT-TYPE
    SYNTAX INTEGER (0..1000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Transmit Frame Loss Rate"
    ::= { maintEthOamLmResultEntry 17 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.18
maintEthOamLmResultRxFrameLoss OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Receive Frame Loss Count"
    ::= { maintEthOamLmResultEntry 18 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.19
maintEthOamLmResultRxFLR OBJECT-TYPE
    SYNTAX INTEGER (0..1000)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Receive Frame Loss Rate"
    ::= { maintEthOamLmResultEntry 19 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.20
maintEthOamLmResultErrCount OBJECT-TYPE
    SYNTAX INTEGER (0..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Error Count"
    ::= { maintEthOamLmResultEntry 20 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.21
maintEthOamLmResultLastUpTime OBJECT-TYPE
    SYNTAX DateAndTime
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LM Start Time"
    ::= { maintEthOamLmResultEntry 21 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.10.1.22
maintEthOamLmResultExecStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            none(0),
            running(1),
            stop(2),
            complete(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ETH-LM Execution Status"
    ::= { maintEthOamLmResultEntry 22 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11
maintEthOamExecutionHistoryTable OBJECT-TYPE
```

SYNTAX SEQUENCE OF MaintEthOamExecutionHistoryEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "Execution History Table"
 ::= { maintEthOamGroup 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1
 maintEthOamExecutionHistoryEntry OBJECT-TYPE
 SYNTAX MaintEthOamExecutionHistoryEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "
 "
 INDEX { maintEthOamExecutionHistoryNEAddress, maintEthOamExecutionHistoryIndex }
 ::= { maintEthOamExecutionHistoryTable 1 }

MaintEthOamExecutionHistoryEntry ::=
 SEQUENCE {
 maintEthOamExecutionHistoryIndex
 INTEGER,
 maintEthOamExecutionHistoryNEAddress
 IpAddress,
 maintEthOamExecutionMeplIndex
 IpeMepld,
 maintEthOamExecutionType
 INTEGER,
 maintEthOamExecutionDesAddress
 MacAddress,
 maintEthOamExecutionCount
 INTEGER,
 maintEthOamExecutionPduSize
 INTEGER,
 maintEthOamExecutionTtl
 INTEGER,
 maintEthOamExecutionPeriodS
 INTEGER,
 maintEthOamExecutionPriority
 INTEGER,
 maintEthOamExecutionTime
 DateAndTime
 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.1
 maintEthOamExecutionHistoryIndex OBJECT-TYPE
 SYNTAX INTEGER (1..15)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "History Table Index(1-15)"
 ::= { maintEthOamExecutionHistoryEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.2
 maintEthOamExecutionHistoryNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory

```

DESCRIPTION
    "IP Address"
::= { maintEthOamExecutionHistoryEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.3
maintEthOamExecutionMepIndex OBJECT-TYPE
    SYNTAX IpeMepId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mep Index(1-128) 0 is Non use."
    ::= { maintEthOamExecutionHistoryEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.4
maintEthOamExecutionType OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            loop-back(1),
            link-trace(2),
            delay-measurement(3),
            loss-measurement(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Execution Type(1:LB, 2:LT, 3:DM, 4:LM)"
    ::= { maintEthOamExecutionHistoryEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.5
maintEthOamExecutionDesAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Destination MAC Address"
    ::= { maintEthOamExecutionHistoryEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.6
maintEthOamExecutionCount OBJECT-TYPE
    SYNTAX INTEGER (0..500)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Transmit Count(LB:1-127, LT:Not Use, DM:1-500, LM:1-500)"
    ::= { maintEthOamExecutionHistoryEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.7
maintEthOamExecutionPduSize OBJECT-TYPE
    SYNTAX INTEGER (0..9600)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PDU Size(LB:60-9600, LT/DM/LM:Not Use)"
    ::= { maintEthOamExecutionHistoryEntry 7 }

```



```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.8
maintEthOamExecutionTtl OBJECT-TYPE
    SYNTAX INTEGER (0..255)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Time To live(LT:1-255, LB/DM/LM:Not Use)"
    ::= { maintEthOamExecutionHistoryEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.9
maintEthOamExecutionPeriodS OBJECT-TYPE
    SYNTAX INTEGER (0..10)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Transmit Period Second(LB/DM/LM:1-10, LT:Not Use)"
    ::= { maintEthOamExecutionHistoryEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.10
maintEthOamExecutionPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Priority(0-7)"
    ::= { maintEthOamExecutionHistoryEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.2.11.1.11
maintEthOamExecutionTime OBJECT-TYPE
    SYNTAX DateAndTime
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Execution Start Time"
    ::= { maintEthOamExecutionHistoryEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.3
maintRstpGroup OBJECT IDENTIFIER ::= { maintETHGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.3.1
maintRstpTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintRstpEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintRstpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.3.1.1
maintRstpEntry OBJECT-TYPE
    SYNTAX MaintRstpEntry
    ACCESS not-accessible

```

```

STATUS mandatory
DESCRIPTION
    " "
INDEX { maintRstpNEAddress, maintRstpBridgeIndex }
::= { maintRstpTable 1 }

MaintRstpEntry ::=
    SEQUENCE {
        maintRstpBridgeIndex
            INTEGER,
        maintRstpNEAddress
            IpAddress,
        maintRstpModeClearStatus
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.3.1.1.1
maintRstpBridgeIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "bridge index"
    ::= { maintRstpEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.3.1.1.2
maintRstpNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintRstpEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.9.3.1.1.3
maintRstpModeClearStatus OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "mode clear"
    ::= { maintRstpEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7
inventoryGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1
invCardInfoGroup OBJECT IDENTIFIER ::= { inventoryGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.1
invMainInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvMainInfoEntry
    ACCESS not-accessible
    STATUS mandatory

```

DESCRIPTION

"Equipment Inventory Information (IDU) - Main Board / Ctrl Card"

::= { invCardInfoGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.1.1

invMainInfoEntry OBJECT-TYPE

SYNTAX InvMainInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { invMainInfoNEAddress, invMainInfoIndex }

::= { invMainInfoTable 1 }

InvMainInfoEntry ::=

SEQUENCE {

invMainInfoIndex

INTEGER,

invMainInfoNEAddress

IpAddress,

invMainName

DisplayString,

invMainCodeNo

DisplayString,

invMainSerialNo

DisplayString

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.1.1.1

invMainInfoIndex OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table."

::= { invMainInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.1.1.2

invMainInfoNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved."

::= { invMainInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.1.1.3

invMainName OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Main Board / Ctrl Card Name."

::= { invMainInfoEntry 3 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.1.1.4
invMainCodeNo OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Code No."
    ::= { invMainInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.1.1.5
invMainSerialNo OBJECT-TYPE
    SYNTAX DisplayString (SIZE (1..8))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Serial No."
    ::= { invMainInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.2
invCardInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvCardInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Equipment Inventory Information (IDU) - Option / Universal Card"
    ::= { invCardInfoGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.2.1
invCardInfoEntry OBJECT-TYPE
    SYNTAX InvCardInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { invCardInfoNEAddress, invCardInfoIndex }
    ::= { invCardInfoTable 1 }

InvCardInfoEntry ::=
    SEQUENCE {
        invCardInfoIndex
            INTEGER,
        invCardInfoNEAddress
            IpAddress,
        invCardName
            DisplayString,
        invCardCodeNo
            DisplayString,
        invCardSerialNo
            DisplayString,
        invCardManufacturedDate
            DisplayString
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.2.1.1
invCardInfoIndex OBJECT-TYPE
    SYNTAX INTEGER

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Index of this table."
::= { invCardInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.2.1.2
invCardInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { invCardInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.2.1.3
invCardName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Card Name. when the card is removed, the value will be changed
        to '***'."
    ::= { invCardInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.2.1.4
invCardCodeNo OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Card Code No. when the card is removed, the value will be
        changed to '***'."
    ::= { invCardInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.2.1.5
invCardSerialNo OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Card Serial No. when the card is removed, the value will be
        changed to '***'."
    ::= { invCardInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.1.2.1.6
invCardManufacturedDate OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Card Manufactured Date. when the card is removed, the value will
        be changed to '***'."
    ::= { invCardInfoEntry 6 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.2
invFPGAInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvFPGAInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Equipment Inventory Information (IDU) - FPGA"
    ::= { inventoryGroup 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.2.1
invFPGAInfoEntry OBJECT-TYPE
    SYNTAX InvFPGAInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { invFPGAInfoNEAddress, invFPGAInfoIndex }
    ::= { invFPGAInfoTable 1 }
```

```
InvFPGAInfoEntry ::=
    SEQUENCE {
        invFPGAInfoIndex
            INTEGER,
        invFPGAInfoNEAddress
            IpAddress,
        invFPGAName
            DisplayString,
        invFPGACodeNo
            DisplayString,
        invFPGAHardVersion
            DisplayString
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.2.1.1
invFPGAInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invFPGAInfoEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.2.1.2
invFPGAInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { invFPGAInfoEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.2.1.3
invFPGAName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
```

```

STATUS mandatory
DESCRIPTION
    "FPGA Name. when the card is removed, the value will be changed
    to '*' "
::= { invFPGAInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.2.1.4
invFPGACodeNo OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FPGA Code No. when the card is removed, the value will be
        changed to '*' "
    ::= { invFPGAInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.2.1.5
invFPGAHardVersion OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FPGA Version. when the card is removed, the value will be
        changed to '*' "
    ::= { invFPGAInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3
invModuleInfoOduTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvModuleInfoOduEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Equipment Inventory Information (ODU)"
    ::= { inventoryGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1
invModuleInfoOduEntry OBJECT-TYPE
    SYNTAX InvModuleInfoOduEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { invModuleInfoOduNEAddress, invModuleInfoOduIfIndex }
    ::= { invModuleInfoOduTable 1 }

InvModuleInfoOduEntry ::=
    SEQUENCE {
        invModuleInfoOduIfIndex
        InterfaceIndex,
        invModuleInfoOduNEAddress
        IpAddress,
        invOduCardName
        DisplayString,
        invOduCardCodeNo
        DisplayString,

```

```

    invOduCardHardVersion
        DisplayString,
    invOduCardSerialNo
        DisplayString,
    invOduCardManufacturedDate
        DisplayString,
    invOduCardFirmCurrentVersion
        DisplayString,
    invOduCardFirmUncurrentVersion
        DisplayString,
    invOduFreqInfoTxStartFrequency
        DisplayString,
    invOduFreqInfoTxStopFrequency
        DisplayString,
    invOduFreqInfoRxStartFrequency
        DisplayString,
    invOduFreqInfoRxStopFrequency
        DisplayString,
    invOduFreqInfoFrequencyStep
        DisplayString,
    invOduFreqInfoShiftFrequency
        DisplayString,
    invOduFreqInfoUpperLower
        INTEGER,
    invOduFreqInfoTxPhase
        INTEGER,
    invOduFreqInfoRxPhase
        INTEGER,
    invOduFreqInfoSubBand
        DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.1
invModuleInfoOduIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invModuleInfoOduEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.2
invModuleInfoOduNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { invModuleInfoOduEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.3
invOduCardName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Name. when the ODU is removed or disconnected, the value
        will be changed to '***'."

```



```

::= { invModuleInfoOduEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.4
invOduCardCodeNo OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Code Name. when the ODU is removed or disconnected, the
        value will be changed to '***'."
    ::= { invModuleInfoOduEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.5
invOduCardHardVersion OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Hardware version. when the ODU is removed or disconnected,
        the value will be changed to '***'."
    ::= { invModuleInfoOduEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.6
invOduCardSerialNo OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Serial No. when the ODU is removed or disconnected, the
        value will be changed to '***'."
    ::= { invModuleInfoOduEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.7
invOduCardManufacturedDate OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Manufactured Date. when the ODU is removed or disconnected,
        the value will be changed to '***'."
    ::= { invModuleInfoOduEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.8
invOduCardFirmCurrentVersion OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Firmware information (current). when the ODU is removed or
        disconnected, the value will be changed to '***'."
    ::= { invModuleInfoOduEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.9
invOduCardFirmUncurrentVersion OBJECT-TYPE

```

```

SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "ODU Firmware information (uncurrent). when the ODU is removed or
    disconnected, the value will be changed to '*'.
::= { invModuleInfoOduEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.19
invOduFreqInfoTxStartFrequency OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Frequency Information - TX Start Frequency (MHz)"
    ::= { invModuleInfoOduEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.20
invOduFreqInfoTxStopFrequency OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Frequency Information - TX Stop Frequency (MHz)"
    ::= { invModuleInfoOduEntry 20 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.21
invOduFreqInfoRxStartFrequency OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Frequency Information - RX Start Frequency (MHz)"
    ::= { invModuleInfoOduEntry 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.22
invOduFreqInfoRxStopFrequency OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Frequency Information - RX Stop Frequency (MHz)"
    ::= { invModuleInfoOduEntry 22 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.23
invOduFreqInfoFrequencyStep OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "ODU Frequency Information - Frequency Step (MHz)"
    ::= { invModuleInfoOduEntry 23 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.24

```

invOduFreqInfoShiftFrequency OBJECT-TYPE
 SYNTAX DisplayString
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "ODU Frequency Information - Shift Frequency (MHz)"
 ::= { invModuleInfoOduEntry 24 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.25
 invOduFreqInfoUpperLower OBJECT-TYPE
 SYNTAX INTEGER
 {
 lower(1),
 upper(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "ODU Frequency Information - Upper / Lower"
 ::= { invModuleInfoOduEntry 25 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.26
 invOduFreqInfoTxPhase OBJECT-TYPE
 SYNTAX INTEGER
 {
 forward(1),
 reverse(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "ODU Frequency Information - TX Phase"
 ::= { invModuleInfoOduEntry 26 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.27
 invOduFreqInfoRxPhase OBJECT-TYPE
 SYNTAX INTEGER
 {
 forward(1),
 reverse(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "ODU Frequency Information - RX Phase"
 ::= { invModuleInfoOduEntry 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.3.1.28
 invOduFreqInfoSubBand OBJECT-TYPE
 SYNTAX DisplayString
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "ODU Frequency Information - Sub Band"
 ::= { invModuleInfoOduEntry 28 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.4
invUpdateInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvUpdateInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Inventory Update Information"
    ::= { inventoryGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.4.1
invUpdateInfoEntry OBJECT-TYPE
    SYNTAX InvUpdateInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { invUpdateInfoNEAddress, invUpdateInfoIndex }
    ::= { invUpdateInfoTable 1 }

InvUpdateInfoEntry ::=
    SEQUENCE {
        invUpdateInfoIndex
            INTEGER,
        invUpdateInfoNEAddress
            IpAddress,
        invUpdateInfoSummary
            OCTET STRING
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.4.1.1
invUpdateInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invUpdateInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.4.1.2
invUpdateInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { invUpdateInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.4.1.3
invUpdateInfoSummary OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE (12 | 20))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Inventory Update Information Summary"
    ::= { invUpdateInfoEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5
invSfpInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvSfpInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "SFP / XFP Information"
    ::= { inventoryGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1
invSfpInfoEntry OBJECT-TYPE
    SYNTAX InvSfpInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { invSfpInfoNEAddress, invSfpInfoIndex }
    ::= { invSfpInfoTable 1 }

InvSfpInfoEntry ::=
    SEQUENCE {
        invSfpInfoIndex
            InterfaceIndex,
        invSfpInfoNEAddress
            IpAddress,
        invSfpVendorName
            DisplayString,
        invSfpVendorPn
            DisplayString,
        invSfpVendorVer
            DisplayString,
        invSfpVendorSn
            DisplayString,
        invSfpType
            DisplayString,
        invSfpManufacturedDate
            DisplayString
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1.1
invSfpInfoIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invSfpInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1.2
invSfpInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."

```

```

::= { invSfpInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1.3
invSfpVendorName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Vendor Name"
    ::= { invSfpInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1.4
invSfpVendorPn OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Part Number"
    ::= { invSfpInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1.5
invSfpVendorVer OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Vendor Revision Number"
    ::= { invSfpInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1.6
invSfpVendorSn OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Vendor Serial Number"
    ::= { invSfpInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1.7
invSfpType OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "SFP Type"
    ::= { invSfpInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.5.1.8
invSfpManufacturedDate OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "SFP Manufactured Date"
    ::= { invSfpInfoEntry 8 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.6
invSoftkeyInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvSoftkeyInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Software Key Information."
    ::= { inventoryGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.6.1
invSoftkeyInfoEntry OBJECT-TYPE
    SYNTAX InvSoftkeyInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { invSoftkeyInfoNEAddress, invSoftkeyInfoIndex }
    ::= { invSoftkeyInfoTable 1 }

InvSoftkeyInfoEntry ::=
    SEQUENCE {
        invSoftkeyInfoIndex
            INTEGER,
        invSoftkeyInfoNEAddress
            IpAddress,
        invSoftkeySerialNo
            DisplayString
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.6.1.1
invSoftkeyInfoIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invSoftkeyInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.6.1.2
invSoftkeyInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { invSoftkeyInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.6.1.3
invSoftkeySerialNo OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Software Key Serial No."

```

```

::= { invSoftkeyInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7
invClk2mInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvClk2mInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Equipment Inventory Information (IDU) - Main Board / Ctrl Card
        (EXT CLK)"
    ::= { inventoryGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7.1
invClk2mInfoEntry OBJECT-TYPE
    SYNTAX InvClk2mInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { invClk2mInfoNEAddress, invClk2mInfoIndex }
    ::= { invClk2mInfoTable 1 }

InvClk2mInfoEntry ::=
    SEQUENCE {
        invClk2mInfoIndex
            INTEGER,
        invClk2mInfoNEAddress
            IpAddress,
        invClk2mCardName
            DisplayString,
        invClk2mCardCodeNo
            DisplayString,
        invClk2mCardSerialNo
            DisplayString,
        invClk2mCardManufacturedDate
            DisplayString,
        invClk2mCardHardVersion
            DisplayString
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7.1.1
invClk2mInfoIndex OBJECT-TYPE
    SYNTAX INTEGER { extclk(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invClk2mInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7.1.2
invClk2mInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."

```



```
::= { invClk2mInfoEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7.1.3
```

```
invClk2mCardName OBJECT-TYPE
```

```
SYNTAX DisplayString
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Name"
```

```
::= { invClk2mInfoEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7.1.4
```

```
invClk2mCardCodeNo OBJECT-TYPE
```

```
SYNTAX DisplayString
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Code No."
```

```
::= { invClk2mInfoEntry 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7.1.5
```

```
invClk2mCardSerialNo OBJECT-TYPE
```

```
SYNTAX DisplayString
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Serial No."
```

```
::= { invClk2mInfoEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7.1.6
```

```
invClk2mCardManufacturedDate OBJECT-TYPE
```

```
SYNTAX DisplayString
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Manufactured Date"
```

```
::= { invClk2mInfoEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.7.1.10
```

```
invClk2mCardHardVersion OBJECT-TYPE
```

```
SYNTAX DisplayString
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Hardware Version."
```

```
::= { invClk2mInfoEntry 10 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.8
```

```
invMacAddressInfoTable OBJECT-TYPE
```

```
SYNTAX SEQUENCE OF InvMacAddressInfoEntry
```

```
ACCESS not-accessible
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Equipment Inventory Information - Mac Address Information"
```

```

::= { inventoryGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.8.1
invMacAddressInfoEntry OBJECT-TYPE
    SYNTAX InvMacAddressInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { invMacAddressInfoNEAddress, invMacAddressInfoIfIndex }
    ::= { invMacAddressInfoTable 1 }

InvMacAddressInfoEntry ::=
    SEQUENCE {
        invMacAddressInfoIfIndex
        InterfaceIndex,
        invMacAddressInfoNEAddress
        IpAddress,
        invMacAddress
        MacAddress
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.8.1.1
invMacAddressInfoIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invMacAddressInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.8.1.2
invMacAddressInfoNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { invMacAddressInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.8.1.3
invMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Mac Address which assigned to that port."
    ::= { invMacAddressInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.9
invModemParamInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InvModemParamInfoEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION

```

"Equipment Inventory Information (IDU) - MODEM Parameter"
 ::= { inventoryGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.9.1

invModemParamInfoEntry OBJECT-TYPE

SYNTAX InvModemParamInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { invModemParamInfoNEAddress, invModemParamInfoIfIndex }

::= { invModemParamInfoTable 1 }

InvModemParamInfoEntry ::=

SEQUENCE {

invModemParamInfoIfIndex

InterfaceIndex,

invModemParamInfoNEAddress

IpAddress,

invModemParamVersion

DisplayString

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.9.1.1

invModemParamInfoIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table."

::= { invModemParamInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.9.1.2

invModemParamInfoNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved."

::= { invModemParamInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.9.1.3

invModemParamVersion OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Parameter Information"

::= { invModemParamInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.10

invChassisInfoTable OBJECT-TYPE

SYNTAX SEQUENCE OF InvChassisInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Equipment Inventory Information (IDU) - Chassis"

::= { inventoryGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.10.1

invChassisInfoEntry OBJECT-TYPE

SYNTAX InvChassisInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { invChassisInfoNEAddress, invChassisInfoIndex }

::= { invChassisInfoTable 1 }

InvChassisInfoEntry ::=

SEQUENCE {

invChassisInfoIndex

INTEGER,

invChassisInfoNEAddress

IpAddress,

invChassisName

DisplayString,

invChassisSerialNo

DisplayString,

invChassisManufacturedDate

DisplayString

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.10.1.1

invChassisInfoIndex OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table."

::= { invChassisInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.10.1.2

invChassisInfoNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved."

::= { invChassisInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.10.1.3

invChassisName OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Name"

::= { invChassisInfoEntry 3 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.10.1.5
invChassisSerialNo OBJECT-TYPE
    SYNTAX DisplayString (SIZE (1..8))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Serial No."
    ::= { invChassisInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.7.10.1.6
invChassisManufacturedDate OBJECT-TYPE
    SYNTAX DisplayString (SIZE (1..7))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Manufactured Date"
    ::= { invChassisInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8
meteringGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1
meteringTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MeteringEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "MODEM TX / RX Metering Table."
    ::= { meteringGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1
meteringEntry OBJECT-TYPE
    SYNTAX MeteringEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { meteringNEAddress, meteringIfIndex }
    ::= { meteringTable 1 }

MeteringEntry ::=
    SEQUENCE {
        meteringIfIndex
            InterfaceIndex,
        meteringNEAddress
            IpAddress,
        metSysTxPowerStatus
            ValidInvalidValue,
        metSysTxPowerValue
            DisplayString,
        metSysRxLevelStatus
            ValidInvalidValue,
        metSysRxLevelValue
            DisplayString,
        metSysPSVoltageStatus

```

```

        ValidInvalidValue,
        metSysPSVoltageValue
        DisplayString,
        metSysBitErrorRateStatus
        INTEGER,
        metSysBitErrorRateValue
        DisplayString
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.1
meteringIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index of this table."
    ::= { meteringEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.2
meteringNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { meteringEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.3
metSysTxPowerStatus OBJECT-TYPE
    SYNTAX ValidInvalidValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM TX Power Status."
    ::= { meteringEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.4
metSysTxPowerValue OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM TX Power"
    ::= { meteringEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.5
metSysRxLevelStatus OBJECT-TYPE
    SYNTAX ValidInvalidValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM RX Power Status"
    ::= { meteringEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.6

```

```

metSysRxLevelValue OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM RX Power"
    ::= { meteringEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.7
metSysPSVoltageStatus OBJECT-TYPE
    SYNTAX ValidInvalidValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM ODU Power Supply Status"
    ::= { meteringEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.8
metSysPSVoltageValue OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM ODU Power Supply"
    ::= { meteringEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.13
metSysBitErrorRateStatus OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM BER Status"
    ::= { meteringEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.1.1.14
metSysBitErrorRateValue OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MODEM BER"
    ::= { meteringEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.2
meteringSfpTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MeteringSfpEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "SFP Metering Table"
    ::= { meteringGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.2.1

```

```

meteringSfpEntry OBJECT-TYPE
    SYNTAX MeteringSfpEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { meteringSfpNEAddress, meteringSfpIfIndex }
    ::= { meteringSfpTable 1 }

```

```

MeteringSfpEntry ::=
    SEQUENCE {
        meteringSfpIfIndex
            InterfaceIndex,
        meteringSfpNEAddress
            IpAddress,
        meteringSfpTxPower
            DisplayString,
        meteringSfpTxPowerStatus
            ValidInvalidValue,
        meteringSfpRxPower
            DisplayString,
        meteringSfpRxPowerStatus
            ValidInvalidValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.2.1.1
meteringSfpIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { meteringSfpEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.2.1.2
meteringSfpNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { meteringSfpEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.2.1.3
meteringSfpTxPower OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "SFP TX Power"
    ::= { meteringSfpEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.2.1.4
meteringSfpTxPowerStatus OBJECT-TYPE
    SYNTAX ValidInvalidValue
    ACCESS read-only

```



```

STATUS mandatory
DESCRIPTION
    "SFP TX Power Status"
::= { meteringSfpEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.2.1.5
meteringSfpRxPower OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "SFP RX Power"
    ::= { meteringSfpEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.2.1.6
meteringSfpRxPowerStatus OBJECT-TYPE
    SYNTAX ValidInvalidValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "SFP RX Power Status"
    ::= { meteringSfpEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3
meteringFanTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MeteringFanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "FAN Metering Table."
    ::= { meteringGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1
meteringFanEntry OBJECT-TYPE
    SYNTAX MeteringFanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { meteringFanNEAddress, meteringFanSlotIndex }
    ::= { meteringFanTable 1 }

MeteringFanEntry ::=
    SEQUENCE {
        meteringFanSlotIndex
            INTEGER,
        meteringFanNEAddress
            IpAddress,
        meteringFanSpeed1
            DisplayString,
        meteringFanSpeed1Status
            ValidInvalidValue,
        meteringFanSpeed2
            DisplayString,
        meteringFanSpeed2Status

```

```

        ValidInvalidValue,
        meteringFanSpeed3
        DisplayString,
        meteringFanSpeed3Status
        ValidInvalidValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1.1
meteringFanSlotIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { meteringFanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1.2
meteringFanNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { meteringFanEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1.3
meteringFanSpeed1 OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FAN1 Rotation Speed"
    ::= { meteringFanEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1.4
meteringFanSpeed1Status OBJECT-TYPE
    SYNTAX ValidInvalidValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FAN1 Rotation Speed Status"
    ::= { meteringFanEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1.5
meteringFanSpeed2 OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FAN2 Rotation Speed"
    ::= { meteringFanEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1.6
meteringFanSpeed2Status OBJECT-TYPE
    SYNTAX ValidInvalidValue

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "FAN2 Rotation Speed Status"
::= { meteringFanEntry 6 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1.7
meteringFanSpeed3 OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FAN3 Rotation Speed"
    ::= { meteringFanEntry 7 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.8.3.1.8
meteringFanSpeed3Status OBJECT-TYPE
    SYNTAX ValidInvalidValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "FAN3 Rotation Speed Status"
    ::= { meteringFanEntry 8 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9
pmonGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 9 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.1
pmon15minDataRadioGroup OBJECT IDENTIFIER ::= { pmonGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.1.1
pmon15minDataRadioTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Pmon15minDataRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "PMON MODEM 15min RF Monitoring Table"
    ::= { pmon15minDataRadioGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.1.1.1
pmon15minDataRadioEntry OBJECT-TYPE
    SYNTAX Pmon15minDataRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { pmon15minDataRadioNEAddress, pmon15minDataModemIfIndex,
pmon15minDataModemMonitorName }
    ::= { pmon15minDataRadioTable 1 }

```

```

Pmon15minDataRadioEntry ::=
    SEQUENCE {
        pmon15minDataModemIfIndex

```

```

        InterfaceIndex,
        pmon15minDataModemMonitorName
        INTEGER,
        pmon15minDataRadioNEAddress
        IpAddress,
        pmon15minDataModemStatusInfo
        lpeStatsInfo,
        pmon15minDataRfValue
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.1.1.1.1
pmon15minDataModemIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon15minDataRadioEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.1.1.1.2
pmon15minDataModemMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        pmonBBE(1),
        pmonES(2),
        pmonSES(3),
        pmonSEF(4),
        pmonUAS(5),
        pmonOFS(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item."
    ::= { pmon15minDataRadioEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.1.1.1.3
pmon15minDataRadioNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon15minDataRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.1.1.1.4
pmon15minDataModemStatusInfo OBJECT-TYPE
    SYNTAX lpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON MODEM 15min RF Monitoring Status"
    ::= { pmon15minDataRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.1.1.1.5

```

pmon15minDataRfValue OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"PMON MODEM 15min RF Monitoring Value"

::= { pmon15minDataRadioEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2

pmon15minDataCableGroup OBJECT IDENTIFIER ::= { pmonGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1

pmon15minDataThroughModeGroup OBJECT IDENTIFIER ::= { pmon15minDataCableGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.1

pmon15minDataTmRsTable OBJECT-TYPE

SYNTAX SEQUENCE OF Pmon15minDataTmRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"PMON STM-1 15min (Through Mode) RS Monitoring Table"

::= { pmon15minDataThroughModeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.1.1

pmon15minDataTmRsEntry OBJECT-TYPE

SYNTAX Pmon15minDataTmRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { pmon15minDataTmRsNEAddress, pmon15minDataTmRsIfIndex,
pmon15minDataTmRsMonitorName }

::= { pmon15minDataTmRsTable 1 }

Pmon15minDataTmRsEntry ::=

SEQUENCE {

pmon15minDataTmRsIfIndex

InterfaceIndex,

pmon15minDataTmRsMonitorName

INTEGER,

pmon15minDataTmRsNEAddress

IpAddress,

pmon15minDataTmRsStatusInfo

IpeStatsInfo,

pmon15minDataTmRsValue

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.1.1.1

pmon15minDataTmRsIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table."

```

::= { pmon15minDataTmRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.1.1.2
pmon15minDataTmRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        pmonBBE(1),
        pmonES(2),
        pmonSES(3),
        pmonSEF(4),
        pmonUAS(5),
        pmonOFS(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "index of this table. The value represents the monitoring item."
    ::= { pmon15minDataTmRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.1.1.3
pmon15minDataTmRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon15minDataTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.1.1.4
pmon15minDataTmRsStatusInfo OBJECT-TYPE
    SYNTAX lpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 15min (Through Mode) RS Monitoring Status."
    ::= { pmon15minDataTmRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.1.1.5
pmon15minDataTmRsValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 15min (Through Mode) RS Monitoring Status."
    ::= { pmon15minDataTmRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.2
pmon15minDataTmDMRRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Pmon15minDataTmDMRRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 15min (Through Mode) DMR RS Monitoring Table"
    ::= { pmon15minDataThroughModeGroup 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.2.1
pmon15minDataTmDMRRsEntry OBJECT-TYPE
    SYNTAX Pmon15minDataTmDMRRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { pmon15minDataTmDMRRsNEAddress, pmon15minDataTmDMRRsIfIndex,
pmon15minDataTmDMRRsMonitorName }
    ::= { pmon15minDataTmDMRRsTable 1 }

```

```

Pmon15minDataTmDMRRsEntry ::=
    SEQUENCE {
        pmon15minDataTmDMRRsIfIndex
            InterfaceIndex,
        pmon15minDataTmDMRRsMonitorName
            INTEGER,
        pmon15minDataTmDMRRsNEAddress
            IpAddress,
        pmon15minDataTmDMRRsStatusInfo
            lpeStatsInfo,
        pmon15minDataTmDMRRsValue
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.2.1.1
pmon15minDataTmDMRRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon15minDataTmDMRRsEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.2.1.2
pmon15minDataTmDMRRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
        {
            pmonBBE(1),
            pmonES(2),
            pmonSES(3),
            pmonSEF(4),
            pmonUAS(5),
            pmonOFS(6)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item."
    ::= { pmon15minDataTmDMRRsEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.2.1.3
pmon15minDataTmDMRRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory

```

DESCRIPTION
"reserverd"

::= { pmon15minDataTmDMRRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.2.1.4

pmon15minDataTmDMRRsStatusInfo OBJECT-TYPE

SYNTAX IpeStatsInfo

ACCESS read-only

STATUS mandatory

DESCRIPTION

"PMON STM-1 15min (Through Mode) DMR RS Monitoring Status"

::= { pmon15minDataTmDMRRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.1.2.1.5

pmon15minDataTmDMRRsValue OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"PMON STM-1 15min (Through Mode) DMR RS Monitoring Value"

::= { pmon15minDataTmDMRRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2

pmon15minDataChannelizedModeGroup OBJECT IDENTIFIER ::= { pmon15minDataCableGroup

2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.1

pmon15minDataChRsTable OBJECT-TYPE

SYNTAX SEQUENCE OF Pmon15minDataChRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"PMON STM-1 15min (Channelized Mode) RS Monitoring Table"

::= { pmon15minDataChannelizedModeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.1.1

pmon15minDataChRsEntry OBJECT-TYPE

SYNTAX Pmon15minDataChRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { pmon15minDataChRsNEAddress, pmon15minDataChRsIfIndex,
pmon15minDataChRsMonitorName }

::= { pmon15minDataChRsTable 1 }

Pmon15minDataChRsEntry ::=

SEQUENCE {

pmon15minDataChRsIfIndex

InterfaceIndex,

pmon15minDataChRsMonitorName

INTEGER,

pmon15minDataChRsNEAddress

IpAddress,


```

        pmon15minDataChRsStatusInfo
            lpeStatsInfo,
        pmon15minDataChRsValue
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.1.1.1
pmon15minDataChRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon15minDataChRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.1.1.2
pmon15minDataChRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        pmonBBE(1),
        pmonES(2),
        pmonSES(3),
        pmonSEF(4),
        pmonUAS(5),
        pmonOFS(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item."
    ::= { pmon15minDataChRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.1.1.3
pmon15minDataChRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { pmon15minDataChRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.1.1.4
pmon15minDataChRsStatusInfo OBJECT-TYPE
    SYNTAX lpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 15min (Channelized Mode) RS Monitoring Status"
    ::= { pmon15minDataChRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.1.1.5
pmon15minDataChRsValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

"PMON STM-1 15min (Channelized Mode) RS Monitoring Value"
 ::= { pmon15minDataChRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.2

pmon15minDataChMsTable OBJECT-TYPE

SYNTAX SEQUENCE OF Pmon15minDataChMsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"PMON STM-1 15min (Channelized Mode) MS Monitoring Table."

::= { pmon15minDataChannelizedModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.2.1

pmon15minDataChMsEntry OBJECT-TYPE

SYNTAX Pmon15minDataChMsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { pmon15minDataChMsNEAddress, pmon15minDataChMsIfIndex,
 pmon15minDataChMsMonitorName }

::= { pmon15minDataChMsTable 1 }

Pmon15minDataChMsEntry ::=

SEQUENCE {

pmon15minDataChMsIfIndex

InterfaceIndex,

pmon15minDataChMsMonitorName

INTEGER,

pmon15minDataChMsNEAddress

IpAddress,

pmon15minDataChMsStatusInfo

IpeStatsInfo,

pmon15minDataChMsValue

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.2.1.1

pmon15minDataChMsIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table."

::= { pmon15minDataChMsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.2.1.2

pmon15minDataChMsMonitorName OBJECT-TYPE

SYNTAX INTEGER

{

pmonBBE(1),

pmonES(2),

pmonSES(3),

pmonSEP(4),

pmonUAS(5)

}

ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Index of this table. The value represents the monitoring item"
 ::= { pmon15minDataChMsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.2.1.3
 pmon15minDataChMsNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "reserved"
 ::= { pmon15minDataChMsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.2.1.4
 pmon15minDataChMsStatusInfo OBJECT-TYPE
 SYNTAX IpeStatsInfo
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "PMON STM-1 15min (Channelized Mode) MS Monitoring Status."
 ::= { pmon15minDataChMsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.2.2.1.5
 pmon15minDataChMsValue OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "PMON STM-1 15min (Channelized Mode) MS Monitoring Value"
 ::= { pmon15minDataChMsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.3
 pmon15minData16E1Group OBJECT IDENTIFIER ::= { pmon15minDataCableGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.3.1
 pmon15minData16E1PdhTable OBJECT-TYPE
 SYNTAX SEQUENCE OF Pmon15minData16E1PdhEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "PMON E1 15min Monitoring Table"
 ::= { pmon15minData16E1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.3.1.1
 pmon15minData16E1PdhEntry OBJECT-TYPE
 SYNTAX Pmon15minData16E1PdhEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "
 "
 INDEX { pmon15minData16E1PdhNEAddress, pmon15minData16E1PdhIfIndex,
 pmon15minData16E1PdhMonitorName }

```

 ::= { pmon15minData16E1PdhTable 1 }

Pmon15minData16E1PdhEntry ::=
  SEQUENCE {
    pmon15minData16E1PdhIfIndex
      InterfaceIndex,
    pmon15minData16E1PdhMonitorName
      INTEGER,
    pmon15minData16E1PdhNEAddress
      IpAddress,
    pmon15minData16E1PdhStatusInfo
      lpeStatsInfo,
    pmon15minData16E1PdhValue
      Counter
  }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.3.1.1.1
pmon15minData16E1PdhIfIndex OBJECT-TYPE
  SYNTAX InterfaceIndex
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "Index of this table."
  ::= { pmon15minData16E1PdhEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.3.1.1.2
pmon15minData16E1PdhMonitorName OBJECT-TYPE
  SYNTAX INTEGER { pmonCV(1) }
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "Index of this table. The value represents the monitoring item"
  ::= { pmon15minData16E1PdhEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.3.1.1.3
pmon15minData16E1PdhNEAddress OBJECT-TYPE
  SYNTAX IpAddress
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "reserved"
  ::= { pmon15minData16E1PdhEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.3.1.1.4
pmon15minData16E1PdhStatusInfo OBJECT-TYPE
  SYNTAX lpeStatsInfo
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    "PMON E1 15min Monitoring Status"
  ::= { pmon15minData16E1PdhEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.2.3.1.1.5
pmon15minData16E1PdhValue OBJECT-TYPE
  SYNTAX Counter

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "PMON E1 15min Monitoring Value"
::= { pmon15minData16E1PdhEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.3
pmon1dayDataRadioGroup OBJECT IDENTIFIER ::= { pmonGroup 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.3.1
pmon1dayDataRadioTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Pmon1dayDataRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "PMON MODEM 1 day RF Monitoring Table"
    ::= { pmon1dayDataRadioGroup 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.3.1.1
pmon1dayDataRadioEntry OBJECT-TYPE
    SYNTAX Pmon1dayDataRadioEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { pmon1dayDataRadioNEAddress, pmon1dayDataModemIfIndex,
pmon1dayDataModemMonitorName }
    ::= { pmon1dayDataRadioTable 1 }

```

```

Pmon1dayDataRadioEntry ::=
    SEQUENCE {
        pmon1dayDataModemIfIndex
            InterfaceIndex,
        pmon1dayDataModemMonitorName
            INTEGER,
        pmon1dayDataRadioNEAddress
            IpAddress,
        pmon1dayDataModemStatusInfo
            lpeStatsInfo,
        pmon1dayDataRfValue
            INTEGER
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.3.1.1.1
pmon1dayDataModemIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon1dayDataRadioEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.3.1.1.2
pmon1dayDataModemMonitorName OBJECT-TYPE
    SYNTAX INTEGER

```

```

        {
            pmonBBE(1),
            pmonES(2),
            pmonSES(3),
            pmonSEF(4),
            pmonUAS(5),
            pmonOFS(6)
        }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "Index of this table. The value represents the monitoring item"
::= { pmon1dayDataRadioEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.3.1.1.3
pmon1dayDataRadioNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon1dayDataRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.3.1.1.4
pmon1dayDataModemStatusInfo OBJECT-TYPE
    SYNTAX lpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON MODEM 1 day RF Monitoring Status."
    ::= { pmon1dayDataRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.3.1.1.5
pmon1dayDataRfValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON MODEM 1 day RF Monitoring Value"
    ::= { pmon1dayDataRadioEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4
pmon1dayDataCableGroup OBJECT IDENTIFIER ::= { pmonGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1
pmon1dayDataThroughModeGroup OBJECT IDENTIFIER ::= { pmon1dayDataCableGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.1
pmon1dayDataTmRsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Pmon1dayDataTmRsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 1day (Through Mode) RS Monitoring Table"

```

```
::= { pmon1dayDataThroughModeGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.1.1
```

```
pmon1dayDataTmRsEntry OBJECT-TYPE
```

```
SYNTAX Pmon1dayDataTmRsEntry
```

```
ACCESS not-accessible
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
" "
```

```
INDEX { pmon1dayDataTmRsNEAddress, pmon1dayDataTmRsIfIndex,  
pmon1dayDataTmRsMonitorName }
```

```
::= { pmon1dayDataTmRsTable 1 }
```

```
Pmon1dayDataTmRsEntry ::=
```

```
SEQUENCE {
```

```
    pmon1dayDataTmRsIfIndex
```

```
        InterfaceIndex,
```

```
    pmon1dayDataTmRsMonitorName
```

```
        INTEGER,
```

```
    pmon1dayDataTmRsNEAddress
```

```
        IpAddress,
```

```
    pmon1dayDataTmRsStatusInfo
```

```
        IpeStatsInfo,
```

```
    pmon1dayDataTmRsValue
```

```
        INTEGER
```

```
}
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.1.1.1
```

```
pmon1dayDataTmRsIfIndex OBJECT-TYPE
```

```
SYNTAX InterfaceIndex
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Index of this table."
```

```
::= { pmon1dayDataTmRsEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.1.1.2
```

```
pmon1dayDataTmRsMonitorName OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
{
```

```
    pmonBBE(1),
```

```
    pmonES(2),
```

```
    pmonSES(3),
```

```
    pmonSEF(4),
```

```
    pmonUAS(5),
```

```
    pmonOFS(6)
```

```
}
```

```
ACCESS read-only
```

```
STATUS mandatory
```

```
DESCRIPTION
```

```
"Index of this table. The value represents the monitoring item"
```

```
::= { pmon1dayDataTmRsEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.1.1.3
```

```
pmon1dayDataTmRsNEAddress OBJECT-TYPE
```

```
SYNTAX IpAddress
```

ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "reserved"
 ::= { pmon1dayDataTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.1.1.4
 pmon1dayDataTmRsStatusInfo OBJECT-TYPE
 SYNTAX IpeStatsInfo
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "PMON STM-1 1day (Through Mode) RS Monitoring Status"
 ::= { pmon1dayDataTmRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.1.1.5
 pmon1dayDataTmRsValue OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "PMON STM-1 1day (Through Mode) RS Monitoring Value"
 ::= { pmon1dayDataTmRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.2
 pmon1dayDataTmDMRRsTable OBJECT-TYPE
 SYNTAX SEQUENCE OF Pmon1dayDataTmDMRRsEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "PMON STM-1 1day (Through Mode) DMR RS Monitoring Table"
 ::= { pmon1dayDataThroughModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.2.1
 pmon1dayDataTmDMRRsEntry OBJECT-TYPE
 SYNTAX Pmon1dayDataTmDMRRsEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "
 INDEX { pmon1dayDataTmDMRRsNEAddress, pmon1dayDataTmDMRRsIfIndex,
 pmon1dayDataTmDMRRsMonitorName }
 ::= { pmon1dayDataTmDMRRsTable 1 }

Pmon1dayDataTmDMRRsEntry ::=
 SEQUENCE {
 pmon1dayDataTmDMRRsIfIndex
 InterfaceIndex,
 pmon1dayDataTmDMRRsMonitorName
 INTEGER,
 pmon1dayDataTmDMRRsNEAddress
 IpAddress,
 pmon1dayDataTmDMRRsStatusInfo
 IpeStatsInfo,
 pmon1dayDataTmDMRRsValue


```

        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.2.1.1
pmon1dayDataTmDMRRsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon1dayDataTmDMRRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.2.1.2
pmon1dayDataTmDMRRsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        pmonBBE(1),
        pmonES(2),
        pmonSES(3),
        pmonSEF(4),
        pmonUAS(5),
        pmonOFS(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item."
    ::= { pmon1dayDataTmDMRRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.2.1.3
pmon1dayDataTmDMRRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon1dayDataTmDMRRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.2.1.4
pmon1dayDataTmDMRRsStatusInfo OBJECT-TYPE
    SYNTAX IpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 1day (Through Mode) DMR RS Monitoring Status"
    ::= { pmon1dayDataTmDMRRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.1.2.1.5
pmon1dayDataTmDMRRsValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 1day (Through Mode) DMR RS Monitoring Value"
    ::= { pmon1dayDataTmDMRRsEntry 5 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2

pmon1dayDataChannelizedModeGroup OBJECT IDENTIFIER ::= { pmon1dayDataCableGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.1

pmon1dayDataChRsTable OBJECT-TYPE

SYNTAX SEQUENCE OF Pmon1dayDataChRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"PMON STM-1 1day (Channelized Mode) RS Monitoring Table"

::= { pmon1dayDataChannelizedModeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.1.1

pmon1dayDataChRsEntry OBJECT-TYPE

SYNTAX Pmon1dayDataChRsEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { pmon1dayDataChRsNEAddress, pmon1dayDataChRsIfIndex,
pmon1dayDataChRsMonitorName }

::= { pmon1dayDataChRsTable 1 }

Pmon1dayDataChRsEntry ::=

SEQUENCE {

pmon1dayDataChRsIfIndex

InterfaceIndex,

pmon1dayDataChRsMonitorName

INTEGER,

pmon1dayDataChRsNEAddress

IpAddress,

pmon1dayDataChRsStatusInfo

IpeStatsInfo,

pmon1dayDataChRsValue

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.1.1.1

pmon1dayDataChRsIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table."

::= { pmon1dayDataChRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.1.1.2

pmon1dayDataChRsMonitorName OBJECT-TYPE

SYNTAX INTEGER

{

pmonBBE(1),

pmonES(2),

pmonSES(3),

pmonSEF(4),

pmonUAS(5),

```

        pmonOFS(6)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item"
    ::= { pmon1dayDataChRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.1.1.3
pmon1dayDataChRsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon1dayDataChRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.1.1.4
pmon1dayDataChRsStatusInfo OBJECT-TYPE
    SYNTAX lpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 1day (Channelized Mode) RS Monitoring Status"
    ::= { pmon1dayDataChRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.1.1.5
pmon1dayDataChRsValue OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 1day (Channelized Mode) RS Monitoring Value"
    ::= { pmon1dayDataChRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.2
pmon1dayDataChMsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Pmon1dayDataChMsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 1day (Channelized Mode) MS Monitoring Table"
    ::= { pmon1dayDataChannelizedModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.2.1
pmon1dayDataChMsEntry OBJECT-TYPE
    SYNTAX Pmon1dayDataChMsEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { pmon1dayDataChMsNEAddress, pmon1dayDataChMsIfIndex,
pmon1dayDataChMsMonitorName }
    ::= { pmon1dayDataChMsTable 1 }

```

```

Pmon1dayDataChMsEntry ::=
    SEQUENCE {
        pmon1dayDataChMsIfIndex
            InterfaceIndex,
        pmon1dayDataChMsMonitorName
            INTEGER,
        pmon1dayDataChMsNEAddress
            IpAddress,
        pmon1dayDataChMsStatusInfo
            lpeStatsInfo,
        pmon1dayDataChMsValue
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.2.1.1
pmon1dayDataChMsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon1dayDataChMsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.2.1.2
pmon1dayDataChMsMonitorName OBJECT-TYPE
    SYNTAX INTEGER
    {
        pmonBBE(1),
        pmonES(2),
        pmonSES(3),
        pmonSEP(4),
        pmonUAS(5)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item"
    ::= { pmon1dayDataChMsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.2.1.3
pmon1dayDataChMsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon1dayDataChMsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.2.1.4
pmon1dayDataChMsStatusInfo OBJECT-TYPE
    SYNTAX lpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON STM-1 1day (Channelized Mode) MS Monitoring Status"
    ::= { pmon1dayDataChMsEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.2.2.1.5

pmon1dayDataChMsValue OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"PMON STM-1 1day (Channelized Mode) MS Monitoring Value"

::= { pmon1dayDataChMsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.3

pmon1dayData16E1Group OBJECT IDENTIFIER ::= { pmon1dayDataCableGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.3.1

pmon1dayData16E1PdhTable OBJECT-TYPE

SYNTAX SEQUENCE OF Pmon1dayData16E1PdhEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"PMON E1 1day Monitoring Table"

::= { pmon1dayData16E1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.3.1.1

pmon1dayData16E1PdhEntry OBJECT-TYPE

SYNTAX Pmon1dayData16E1PdhEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { pmon1dayData16E1PdhNEAddress, pmon1dayData16E1PdhIfIndex,
pmon1dayData16E1PdhMonitorName }

::= { pmon1dayData16E1PdhTable 1 }

Pmon1dayData16E1PdhEntry ::=

SEQUENCE {

pmon1dayData16E1PdhIfIndex

InterfaceIndex,

pmon1dayData16E1PdhMonitorName

INTEGER,

pmon1dayData16E1PdhNEAddress

IpAddress,

pmon1dayData16E1PdhStatusInfo

IpeStatsInfo,

pmon1dayData16E1PdhValue

Counter

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.3.1.1.1

pmon1dayData16E1PdhIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of this table."

::= { pmon1dayData16E1PdhEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.3.1.1.2
pmon1dayData16E1PdhMonitorName OBJECT-TYPE
    SYNTAX INTEGER { pmonCV(1) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item."
    ::= { pmon1dayData16E1PdhEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.3.1.1.3
pmon1dayData16E1PdhNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon1dayData16E1PdhEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.3.1.1.4
pmon1dayData16E1PdhStatusInfo OBJECT-TYPE
    SYNTAX lpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON E1 1day Monitoring Status"
    ::= { pmon1dayData16E1PdhEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.9.4.3.1.1.5
pmon1dayData16E1PdhValue OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON E1 1day Monitoring Value"
    ::= { pmon1dayData16E1PdhEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10
pmonTxRxLevGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.1
pmonTxRxLev15minCurrentDataTable OBJECT-TYPE
    SYNTAX SEQUENCE OF PmonTxRxLev15minCurrentDataEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "PMON ODU 15min RX Level Monitoring Table"
    ::= { pmonTxRxLevGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.1.1
pmonTxRxLev15minCurrentDataEntry OBJECT-TYPE
    SYNTAX PmonTxRxLev15minCurrentDataEntry
    ACCESS not-accessible

```

STATUS mandatory
DESCRIPTION
" "

INDEX { pmonTxRxLev15minCurrentDataNEAddress,
pmonTxRxLev15minCurrentDataIfIndex }
::= { pmonTxRxLev15minCurrentDataTable 1 }

PmonTxRxLev15minCurrentDataEntry ::=

```

SEQUENCE {
    pmonTxRxLev15minCurrentDataIfIndex
    InterfaceIndex,
    pmonTxRxLev15minCurrentDataNEAddress
    IpAddress,
    pmonTxRxLev15minCurrentDataStatusInfo
    lpeStatsInfo,
    pmonTxRxLev15minRxLevelMaxCurrentData
    DisplayString,
    pmonTxRxLev15minRxLevelMinCurrentData
    DisplayString
}

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.1.1.1
pmonTxRxLev15minCurrentDataIfIndex OBJECT-TYPE
SYNTAX InterfaceIndex
ACCESS read-only
STATUS mandatory
DESCRIPTION
"Index of this table."
::= { pmonTxRxLev15minCurrentDataEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.1.1.2
pmonTxRxLev15minCurrentDataNEAddress OBJECT-TYPE
SYNTAX IpAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION
"reserved"
::= { pmonTxRxLev15minCurrentDataEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.1.1.3
pmonTxRxLev15minCurrentDataStatusInfo OBJECT-TYPE
SYNTAX lpeStatsInfo
ACCESS read-only
STATUS mandatory
DESCRIPTION
"PMON ODU 15min RX Level Status"
::= { pmonTxRxLev15minCurrentDataEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.1.1.4
pmonTxRxLev15minRxLevelMaxCurrentData OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION
"PMON ODU 15min RX Level (MAX)"
::= { pmonTxRxLev15minCurrentDataEntry 4 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.1.1.5
pmonTxRxLev15minRxLevelMinCurrentData OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON ODU 15min RX Level (MIN)"
    ::= { pmonTxRxLev15minCurrentDataEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.2
pmonTxRxLev1dayCurrentDataTable OBJECT-TYPE
    SYNTAX SEQUENCE OF PmonTxRxLev1dayCurrentDataEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "PMON ODU 1day RX Level Monitoring Table"
    ::= { pmonTxRxLevGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.2.1
pmonTxRxLev1dayCurrentDataEntry OBJECT-TYPE
    SYNTAX PmonTxRxLev1dayCurrentDataEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { pmonTxRxLev1dayCurrentDataNEAddress, pmonTxRxLev1dayCurrentDataIfIndex }
    ::= { pmonTxRxLev1dayCurrentDataTable 1 }

PmonTxRxLev1dayCurrentDataEntry ::=
    SEQUENCE {
        pmonTxRxLev1dayCurrentDataIfIndex
            InterfaceIndex,
        pmonTxRxLev1dayCurrentDataNEAddress
            IpAddress,
        pmonTxRxLev1dayCurrentDataStatusInfo
            lpeStatsInfo,
        pmonTxRxLev1dayRxLevelMaxCurrentData
            DisplayString,
        pmonTxRxLev1dayRxLevelMinCurrentData
            DisplayString
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.2.1.1
pmonTxRxLev1dayCurrentDataIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmonTxRxLev1dayCurrentDataEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.2.1.2
pmonTxRxLev1dayCurrentDataNEAddress OBJECT-TYPE
    SYNTAX IpAddress

```



```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "reserved"
::= { pmonTxRxLev1dayCurrentDataEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.2.1.3
pmonTxRxLev1dayCurrentDataStatusInfo OBJECT-TYPE
    SYNTAX IpeStatsInfo
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON ODU 1day RX Level Status"
    ::= { pmonTxRxLev1dayCurrentDataEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.2.1.4
pmonTxRxLev1dayRxLevelMaxCurrentData OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON ODU 1day RX Level (MAX)"
    ::= { pmonTxRxLev1dayCurrentDataEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.10.2.1.5
pmonTxRxLev1dayRxLevelMinCurrentData OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "PMON ODU 1day RX Level (MIN)"
    ::= { pmonTxRxLev1dayCurrentDataEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11
rmonGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1
rmonEthGroup OBJECT IDENTIFIER ::= { rmonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1
rmon15minPortGroup OBJECT IDENTIFIER ::= { rmonEthGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1
rmon15minPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Rmon15minPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "RMON 15min Port Monitoring Table."
    ::= { rmon15minPortGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1

```

```

rmon15minPortEntry OBJECT-TYPE
    SYNTAX Rmon15minPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { rmon15minNEAddress, rmon15minIfIndex }
    ::= { rmon15minPortTable 1 }

Rmon15minPortEntry ::=
    SEQUENCE {
        rmon15minIfIndex
            InterfaceIndex,
        rmon15minNEAddress
            IpAddress,
        rmon15minRxEthStatsPkts
            Counter,
        rmon15minRxEthStatsPktsStatusInfo
            INTEGER,
        rmon15minTxEthStatsPkts
            Counter,
        rmon15minTxEthStatsPktsStatusInfo
            INTEGER,
        rmon15minRxEthStatsDropEvents
            Counter,
        rmon15minRxEthStatsDropEventsStatusInfo
            INTEGER,
        rmon15minRxEthStatsUndersizePkts
            Counter,
        rmon15minRxEthStatsUndersizePktsStatusInfo
            INTEGER,
        rmon15minRxEthStatsFragments
            Counter,
        rmon15minRxEthStatsFragmentsStatusInfo
            INTEGER,
        rmon15minRxEthStatsPkts64Octets
            Counter,
        rmon15minRxEthStatsPkts64OctetsStatusInfo
            INTEGER,
        rmon15minTxEthStatsPkts64Octets
            Counter,
        rmon15minTxEthStatsPkts64OctetsStatusInfo
            INTEGER,
        rmon15minRxEthStatsPkts65to127Octets
            Counter,
        rmon15minRxEthStatsPkts65to127OctetsStatusInfo
            INTEGER,
        rmon15minTxEthStatsPkts65to127Octets
            Counter,
        rmon15minTxEthStatsPkts65to127OctetsStatusInfo
            INTEGER,
        rmon15minRxEthStatsPkts128to255Octets
            Counter,
        rmon15minRxEthStatsPkts128to255OctetsStatusInfo
            INTEGER,
        rmon15minTxEthStatsPkts128to255Octets
            Counter,
        rmon15minTxEthStatsPkts128to255OctetsStatusInfo
            INTEGER,
    }

```

```

rmon15minRxEthStatsPkts256to511Octets
    Counter,
rmon15minRxEthStatsPkts256to511OctetsStatusInfo
    INTEGER,
rmon15minTxEthStatsPkts256to511Octets
    Counter,
rmon15minTxEthStatsPkts256to511OctetsStatusInfo
    INTEGER,
rmon15minRxEthStatsPkts512to1023Octets
    Counter,
rmon15minRxEthStatsPkts512to1023OctetsStatusInfo
    INTEGER,
rmon15minTxEthStatsPkts512to1023Octets
    Counter,
rmon15minTxEthStatsPkts512to1023OctetsStatusInfo
    INTEGER,
rmon15minRxEthStatsPkts1024to1518Octets
    Counter,
rmon15minRxEthStatsPkts1024to1518OctetsStatusInfo
    INTEGER,
rmon15minTxEthStatsPkts1024to1518Octets
    Counter,
rmon15minTxEthStatsPkts1024to1518OctetsStatusInfo
    INTEGER,
rmon15minRxEthStatsCRCAlignErrors
    Counter,
rmon15minRxEthStatsCRCAlignErrorsStatusInfo
    INTEGER,
rmon15minRxEthStatsOversizePkts
    Counter,
rmon15minRxEthStatsOversizePktsStatusInfo
    INTEGER,
rmon15minRxEthStatsJabbers
    Counter,
rmon15minRxEthStatsJabbersStatusInfo
    INTEGER,
rmon15minRxEthStatsMulticastPkts
    Counter,
rmon15minRxEthStatsMulticastPktsStatusInfo
    INTEGER,
rmon15minTxEthStatsMulticastPkts
    Counter,
rmon15minTxEthStatsMulticastPktsStatusInfo
    INTEGER,
rmon15minRxEthStatsBroadcastPkts
    Counter,
rmon15minRxEthStatsBroadcastPktsStatusInfo
    INTEGER,
rmon15minTxEthStatsBroadcastPkts
    Counter,
rmon15minTxEthStatsBroadcastPktsStatusInfo
    INTEGER,
rmon15minTxEthStatsCollisions
    Counter,
rmon15minTxEthStatsCollisionsStatusInfo
    INTEGER,
rmon15minTxEthStatsOversizePkts
    Counter,
rmon15minTxEthStatsOversizePktsStatusInfo
    INTEGER

```

```

    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1
rmon15minIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { rmon15minPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.2
rmon15minNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { rmon15minPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.7
rmon15minRxEthStatsPkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Pkts"
    ::= { rmon15minPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.8
rmon15minRxEthStatsPktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        valid-no-maintenance(1),
        valid-maintenance(2),
        invalid-no-maintenance(3),
        invalid-maintenance(4)
    }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Pkts Status. 'invalid' means the corresponding
        monitoring value is not reliable because of the alarm or other
        reasons. 'maintenance' means that some maintenance functions are
        executed on the current interval."
    ::= { rmon15minPortEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.9
rmon15minTxEthStatsPkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Pkts"
    ::= { rmon15minPortEntry 9 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.10
rmon15minTxEthStatsPktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Pkts Status. 'invalid' means the corresponding
        monitoring value is not reliable because of the alarm or other
        reasons. 'maintenance' means that some maintenance functions are
        executed on the current interval."
    ::= { rmon15minPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.11
rmon15minRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Drop Events"
    ::= { rmon15minPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.12
rmon15minRxEthStatsDropEventsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Drop Events Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.13
rmon15minRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Undersize Pkts"
    ::= { rmon15minPortEntry 13 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.14
rmon15minRxEthStatsUndersizePktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Undersize Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.15
rmon15minRxEthStatsFragments OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Fragments"
    ::= { rmon15minPortEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.16
rmon15minRxEthStatsFragmentsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Fragments Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.17
rmon15minRxEthStatsPkts64Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 64 Octs"
    ::= { rmon15minPortEntry 17 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.18
rmon15minRxEthStatsPkts64OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 64 Octs Status. 'invalid' means the corresponding
        monitoring value is not reliable because of the alarm or other
        reasons. 'maintenance' means that some maintenance functions are
        executed on the current interval."
    ::= { rmon15minPortEntry 18 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.19
rmon15minTxEthStatsPkts64Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 64 Octs"
    ::= { rmon15minPortEntry 19 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.20
rmon15minTxEthStatsPkts64OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 64 Octs Status. 'invalid' means the corresponding
        monitoring value is not reliable because of the alarm or other
        reasons. 'maintenance' means that some maintenance functions are
        executed on the current interval."
    ::= { rmon15minPortEntry 20 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.21
rmon15minRxEthStatsPkts65to127Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 65 to 127 Octs"
    ::= { rmon15minPortEntry 21 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.22
rmon15minRxEthStatsPkts65to127OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 65 to 127 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 22 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.23
rmon15minTxEthStatsPkts65to127Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 65 to 127 Octs"
    ::= { rmon15minPortEntry 23 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.24
rmon15minTxEthStatsPkts65to127OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 65 to 127 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 24 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.25
rmon15minRxEthStatsPkts128to255Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 128 to 255 Octs"
    ::= { rmon15minPortEntry 25 }

```



```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.26
rmon15minRxEthStatsPkts128to255OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 128 to 255 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 26 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.27
rmon15minTxEthStatsPkts128to255Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 128 to 255 Octs"
    ::= { rmon15minPortEntry 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.28
rmon15minTxEthStatsPkts128to255OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 128 to 255 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 28 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.29
rmon15minRxEthStatsPkts256to511Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 256 to 511 Octs"
    ::= { rmon15minPortEntry 29 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.30
rmon15minRxEthStatsPkts256to511OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 256 to 511 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 30 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.31
rmon15minTxEthStatsPkts256to511Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 256 to 511 Octs"
    ::= { rmon15minPortEntry 31 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.32
rmon15minTxEthStatsPkts256to511OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 256 to 511 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 32 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.33
rmon15minRxEthStatsPkts512to1023Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 512 to 1023 Octs"
    ::= { rmon15minPortEntry 33 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.34
rmon15minRxEthStatsPkts512to1023OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 512 to 1023 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 34 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.35
rmon15minTxEthStatsPkts512to1023Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 512 to 1023 Octs"
    ::= { rmon15minPortEntry 35 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.36
rmon15minTxEthStatsPkts512to1023OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 512 to 1023 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 36 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.37
rmon15minRxEthStatsPkts1024to1518Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 1024 to 1518 Octs"
    ::= { rmon15minPortEntry 37 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.38
rmon15minRxEthStatsPkts1024to1518OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX 1024 to 1518 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 38 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.39
rmon15minTxEthStatsPkts1024to1518Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 1024 to 1518 Octs"
    ::= { rmon15minPortEntry 39 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.40
rmon15minTxEthStatsPkts1024to1518OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX 1024 to 1518 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 40 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.41
rmon15minRxEthStatsCRCAAlignErrors OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX CRC Alignment Errors"
    ::= { rmon15minPortEntry 41 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.42
rmon15minRxEthStatsCRCAAlignErrorsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX CRC Alignment Errors Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 42 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.43
rmon15minRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Oversize Pkts"
    ::= { rmon15minPortEntry 43 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.44
rmon15minRxEthStatsOversizePktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Oversize Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 44 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.45
rmon15minRxEthStatsJabbers OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Jabbers"
    ::= { rmon15minPortEntry 45 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.46
rmon15minRxEthStatsJabbersStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Jabbers Status. 'invalid' means the corresponding
        monitoring value is not reliable because of the alarm or other
        reasons. 'maintenance' means that some maintenance functions are
        executed on the current interval."
    ::= { rmon15minPortEntry 46 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.47
rmon15minRxEthStatsMulticastPkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Multicast Pkts"
    ::= { rmon15minPortEntry 47 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.48
rmon15minRxEthStatsMulticastPktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Multicast Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 48 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.49
rmon15minTxEthStatsMulticastPkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Multicast Pkts"
    ::= { rmon15minPortEntry 49 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.50
rmon15minTxEthStatsMulticastPktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Multicast Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 50 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.51
rmon15minRxEthStatsBroadcastPkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Broadcast Pkts"
    ::= { rmon15minPortEntry 51 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.52
rmon15minRxEthStatsBroadcastPktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min RX Broadcast Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 52 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.53
rmon15minTxEthStatsBroadcastPkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Broadcast Pkts"
    ::= { rmon15minPortEntry 53 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.54
rmon15minTxEthStatsBroadcastPktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Broadcast Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 54 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.55
rmon15minTxEthStatsCollisions OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Collisions"
    ::= { rmon15minPortEntry 55 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.56
rmon15minTxEthStatsCollisionsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Collisions Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 56 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.1.83
rmon15minTxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Oversize Pkts."
    ::= { rmon15minPortEntry 83 }

```



```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.1.1.84
rmon15minTxEthStatsOversizePktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 15min TX Oversize Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon15minPortEntry 84 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2
rmon1dayportGroup OBJECT IDENTIFIER ::= { rmonEthGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1
rmon1dayPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Rmon1dayPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "RMON 1day Port Monitoring Table."
    ::= { rmon1dayportGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1
rmon1dayPortEntry OBJECT-TYPE
    SYNTAX Rmon1dayPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { rmon1dayNEAddress, rmon1dayIfIndex }
    ::= { rmon1dayPortTable 1 }

Rmon1dayPortEntry ::=
    SEQUENCE {
        rmon1dayIfIndex
            InterfaceIndex,
        rmon1dayNEAddress
            IpAddress,
        rmon1dayRxEthStatsPkts
            Counter,
        rmon1dayRxEthStatsPktsStatusInfo
            INTEGER,
        rmon1dayTxEthStatsPkts
            Counter,
        rmon1dayTxEthStatsPktsStatusInfo

```

```

    INTEGER,
rmon1dayRxEthStatsDropEvents
    Counter,
rmon1dayRxEthStatsDropEventsStatusInfo
    INTEGER,
rmon1dayRxEthStatsUndersizePkts
    Counter,
rmon1dayRxEthStatsUndersizePktsStatusInfo
    INTEGER,
rmon1dayRxEthStatsFragments
    Counter,
rmon1dayRxEthStatsFragmentsStatusInfo
    INTEGER,
rmon1dayRxEthStatsPkts64Octets
    Counter,
rmon1dayRxEthStatsPkts64OctetsStatusInfo
    INTEGER,
rmon1dayTxEthStatsPkts64Octets
    Counter,
rmon1dayTxEthStatsPkts64OctetsStatusInfo
    INTEGER,
rmon1dayRxEthStatsPkts65to127Octets
    Counter,
rmon1dayRxEthStatsPkts65to127OctetsStatusInfo
    INTEGER,
rmon1dayTxEthStatsPkts65to127Octets
    Counter,
rmon1dayTxEthStatsPkts65to127OctetsStatusInfo
    INTEGER,
rmon1dayRxEthStatsPkts128to255Octets
    Counter,
rmon1dayRxEthStatsPkts128to255OctetsStatusInfo
    INTEGER,
rmon1dayTxEthStatsPkts128to255Octets
    Counter,
rmon1dayTxEthStatsPkts128to255OctetsStatusInfo
    INTEGER,
rmon1dayRxEthStatsPkts256to511Octets
    Counter,
rmon1dayRxEthStatsPkts256to511OctetsStatusInfo
    INTEGER,
rmon1dayTxEthStatsPkts256to511Octets
    Counter,
rmon1dayTxEthStatsPkts256to511OctetsStatusInfo
    INTEGER,
rmon1dayRxEthStatsPkts512to1023Octets
    Counter,
rmon1dayRxEthStatsPkts512to1023OctetsStatusInfo
    INTEGER,
rmon1dayTxEthStatsPkts512to1023Octets
    Counter,
rmon1dayTxEthStatsPkts512to1023OctetsStatusInfo
    INTEGER,
rmon1dayRxEthStatsPkts1024to1518Octets
    Counter,
rmon1dayRxEthStatsPkts1024to1518OctetsStatusInfo
    INTEGER,
rmon1dayTxEthStatsPkts1024to1518Octets
    Counter,
rmon1dayTxEthStatsPkts1024to1518OctetsStatusInfo

```

```

        INTEGER,
        rmon1dayRxEthStatsCRCAlignErrors
        Counter,
        rmon1dayRxEthStatsCRCAlignErrorsStatusInfo
        INTEGER,
        rmon1dayRxEthStatsOversizePkts
        Counter,
        rmon1dayRxEthStatsOversizePktsStatusInfo
        INTEGER,
        rmon1dayRxEthStatsJabbers
        Counter,
        rmon1dayRxEthStatsJabbersStatusInfo
        INTEGER,
        rmon1dayRxEthStatsMulticastPkts
        Counter,
        rmon1dayRxEthStatsMulticastPktsStatusInfo
        INTEGER,
        rmon1dayTxEthStatsMulticastPkts
        Counter,
        rmon1dayTxEthStatsMulticastPktsStatusInfo
        INTEGER,
        rmon1dayRxEthStatsBroadcastPkts
        Counter,
        rmon1dayRxEthStatsBroadcastPktsStatusInfo
        INTEGER,
        rmon1dayTxEthStatsBroadcastPkts
        Counter,
        rmon1dayTxEthStatsBroadcastPktsStatusInfo
        INTEGER,
        rmon1dayTxEthStatsCollisions
        Counter,
        rmon1dayTxEthStatsCollisionsStatusInfo
        INTEGER,
        rmon1dayTxEthStatsOversizePkts
        Counter,
        rmon1dayTxEthStatsOversizePktsStatusInfo
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.1
rmon1dayIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { rmon1dayPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.2
rmon1dayNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { rmon1dayPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.7

```

rmon1dayRxEthStatsPkts OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Pkts"

::= { rmon1dayPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.8

rmon1dayRxEthStatsPktsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Pkts Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.9

rmon1dayTxEthStatsPkts OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day TX Pkts"

::= { rmon1dayPortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.10

rmon1dayTxEthStatsPktsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day TX Pkts Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.11

```

rmon1dayRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX Drop Events"
    ::= { rmon1dayPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.12
rmon1dayRxEthStatsDropEventsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX Drop Events Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.13
rmon1dayRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX Undersize Pkts"
    ::= { rmon1dayPortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.14
rmon1dayRxEthStatsUndersizePktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX Undersize Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.15

```

rmon1dayRxEthStatsFragments OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Fragments"

::= { rmon1dayPortEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.16

rmon1dayRxEthStatsFragmentsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Fragments Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.17

rmon1dayRxEthStatsPkts64Octets OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX 64 Octs"

::= { rmon1dayPortEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.18

rmon1dayRxEthStatsPkts64OctetsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX 64 Octs Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.19

rmon1dayTxEthStatsPkts64Octets OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day TX 64 Octs"

::= { rmon1dayPortEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.20

rmon1dayTxEthStatsPkts64OctetsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day TX 64 Octs Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 20 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.21

rmon1dayRxEthStatsPkts65to127Octets OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX 65 to 127 Octs"

::= { rmon1dayPortEntry 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.22

rmon1dayRxEthStatsPkts65to127OctetsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX 65 to 127 Octs Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 22 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.23

```

rmon1dayTxEthStatsPkts65to127Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 65 to 127 Octs"
    ::= { rmon1dayPortEntry 23 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.24
rmon1dayTxEthStatsPkts65to127OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 65 to 127 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 24 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.25
rmon1dayRxEthStatsPkts128to255Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX 128 to 255 Octs."
    ::= { rmon1dayPortEntry 25 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.26
rmon1dayRxEthStatsPkts128to255OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX 128 to 255 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 26 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.27

```



```

rmon1dayTxEthStatsPkts128to255Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 128 to 255 Octs"
    ::= { rmon1dayPortEntry 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.28
rmon1dayTxEthStatsPkts128to255OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 128 to 255 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 28 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.29
rmon1dayRxEthStatsPkts256to511Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX 256 to 511 Octs."
    ::= { rmon1dayPortEntry 29 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.30
rmon1dayRxEthStatsPkts256to511OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX 256 to 511 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 30 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.31

```

```

rmon1dayTxEthStatsPkts256to511Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 256 to 511 Octs."
    ::= { rmon1dayPortEntry 31 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.32
rmon1dayTxEthStatsPkts256to511OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 256 to 511 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 32 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.33
rmon1dayRxEthStatsPkts512to1023Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX 512 to 1023 Octs"
    ::= { rmon1dayPortEntry 33 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.34
rmon1dayRxEthStatsPkts512to1023OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX 512 to 1023 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 34 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.35

```

```

rmon1dayTxEthStatsPkts512to1023Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 512 to 1023 Octs"
    ::= { rmon1dayPortEntry 35 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.36
rmon1dayTxEthStatsPkts512to1023OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 512 to 1023 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 36 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.37
rmon1dayRxEthStatsPkts1024to1518Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX 1024 to 1518 Octs."
    ::= { rmon1dayPortEntry 37 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.38
rmon1dayRxEthStatsPkts1024to1518OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX 1024 to 1518 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 38 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.39

```

```

rmon1dayTxEthStatsPkts1024to1518Octets OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 1024 to 1518 Octs."
    ::= { rmon1dayPortEntry 39 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.40
rmon1dayTxEthStatsPkts1024to1518OctetsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX 1024 to 1518 Octs Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 40 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.41
rmon1dayRxEthStatsCRCAAlignErrors OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX CRC Alignment Errors"
    ::= { rmon1dayPortEntry 41 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.42
rmon1dayRxEthStatsCRCAAlignErrorsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day RX CRC Alignment Errors Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 42 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.43

```

rmon1dayRxEthStatsOversizePkts OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Oversize Pkts"

::= { rmon1dayPortEntry 43 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.44

rmon1dayRxEthStatsOversizePktsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Oversize Pkts Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 44 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.45

rmon1dayRxEthStatsJabbers OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Jabbers"

::= { rmon1dayPortEntry 45 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.46

rmon1dayRxEthStatsJabbersStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Jabbers Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 46 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.47

rmon1dayRxEthStatsMulticastPkts OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Multicast Pkts"

::= { rmon1dayPortEntry 47 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.48

rmon1dayRxEthStatsMulticastPktsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Multicast Pkts Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 48 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.49

rmon1dayTxEthStatsMulticastPkts OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day TX Multicast Pkts."

::= { rmon1dayPortEntry 49 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.50

rmon1dayTxEthStatsMulticastPktsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day TX Multicast Pkts Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 50 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.51

rmon1dayRxEthStatsBroadcastPkts OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Broadcast Pkts."

::= { rmon1dayPortEntry 51 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.52

rmon1dayRxEthStatsBroadcastPktsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day RX Broadcast Pkts Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 52 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.53

rmon1dayTxEthStatsBroadcastPkts OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day TX Broadcast Pkts."

::= { rmon1dayPortEntry 53 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.54

rmon1dayTxEthStatsBroadcastPktsStatusInfo OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    valid-no-maintenance(1),
    valid-maintenance(2),
    invalid-no-maintenance(3),
    invalid-maintenance(4)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"RMON 1day TX Broadcast Pkts Status. 'invalid' means the corresponding monitoring value is not reliable because of the alarm or other reasons. 'maintenance' means that some maintenance functions are executed on the current interval."

::= { rmon1dayPortEntry 54 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.55

```

rmon1dayTxEthStatsCollisions OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX Collisions."
    ::= { rmon1dayPortEntry 55 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.56
rmon1dayTxEthStatsCollisionsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX Collisions Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 56 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.83
rmon1dayTxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX Oversize Pkts."
    ::= { rmon1dayPortEntry 83 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.11.1.2.1.1.84
rmon1dayTxEthStatsOversizePktsStatusInfo OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            valid-no-maintenance(1),
            valid-maintenance(2),
            invalid-no-maintenance(3),
            invalid-maintenance(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "RMON 1day TX Oversize Pkts Status. 'invalid' means the
        corresponding monitoring value is not reliable because of the
        alarm or other reasons. 'maintenance' means that some maintenance
        functions are executed on the current interval."
    ::= { rmon1dayPortEntry 84 }

```



```

--
-- Trap definitions
--

alarmStateChange TRAP-TYPE
    ENTERPRISE ipeAlarmTrapItemVar
    VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID,
        eventSeverity, eventAlarmType, eventProbableCause, eventAdditionalText1,
eventAdditionalText2,
        eventAdditionalText3, eventAdditionalText4, eventAdditionalText5 }
    DESCRIPTION
        "Trap for Alarm
        This notification reports that a processed alarm status may have
        changed.
        The object information is recorded in 'eventResourceID' and also
        changed alarm status is recorded in 'eventSeverity'.
        The 'eventTotalCount' and 'eventCount' is sequential number.
        'eventTotalCount' is notification event count since agent was
        booted.
        'eventAdditionalText' provides some event description."
    ::= 1

statusChange TRAP-TYPE
    ENTERPRISE ipeStatusTrapItemVar
    VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID,
        eventStatusValue, eventAdditionalText1, eventAdditionalText2, eventAdditionalText3,
eventAdditionalText4,
        eventAdditionalText5 }
    DESCRIPTION
        "Trap for Status (Integer)
        This notification reports that the object's status whose SYNTAX
        is INTEGER type may have changed.
        The object information is recorded in 'eventResourceID'.
        The 'eventTotalCount' and 'eventCount' is sequential number.
        'eventTotalCount' is notification event count since agent was
        booted.
        'eventAdditionalText' provides some event description."
    ::= 1

statusChangeDspStr TRAP-TYPE
    ENTERPRISE ipeStatusTrapItemVar
    VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID,
        eventStatusValueDspStr, eventAdditionalText1, eventAdditionalText2,
eventAdditionalText3, eventAdditionalText4,
        eventAdditionalText5 }
    DESCRIPTION
        "Trap for Status (Display String)
        This notification reports that the object's status whose SYNTAX
        is DISPLAY STRING type may have changed.
        The object information is recorded in 'eventResourceID'.
        The 'eventTotalCount' and 'eventCount' is sequential number.
        'eventTotalCount' is notification event count since agent was
        booted.
        'eventAdditionalText' provides some event description."
    ::= 2

statusChangeOctStr TRAP-TYPE
    ENTERPRISE ipeStatusTrapItemVar
    VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID,
        eventStatusValueOctStr, eventAdditionalText1, eventAdditionalText2,

```

```

eventAdditionalText3, eventAdditionalText4,
    eventAdditionalText5 }
DESCRIPTION
    "Trap for Status (Octet String)
    This notification reports that the object's status whose SYNTAX
    is OCTET STRING type may have changed.
    The object information is recorded in 'eventResourceID'.
    The 'eventTotalCount' and 'eventCount' is sequential number.
    'eventTotalCount' is notification event count since agent was
    booted.
    'eventAdditionalText' provides some event description."
::= 3

statusChangeUnsigned32 TRAP-TYPE
    ENTERPRISE ipeStatusTrapItemVar
    VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID,
        eventStatusValueUnsigned32, eventAdditionalText1, eventAdditionalText2,
eventAdditionalText3, eventAdditionalText4,
        eventAdditionalText5 }
DESCRIPTION
    "Trap for Status (Unsigned32)
    This notification reports that the object's status whose SYNTAX
    is Unsigned type may have changed.
    The object information is recorded in 'eventResourceID' and also
    changed alarm status is recorded in 'eventSeverity'.
    The 'eventTotalCount' and 'eventCount' is sequential number.
    'eventTotalCount' is notification event count since agent was
    booted.
    'eventAdditionalText' provides some event description."
::= 4

controlEvent TRAP-TYPE
    ENTERPRISE ipeControlTrapItemVar
    VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID,
        eventControlValue, eventRecordUserName, eventRecordAccessType,
eventRecordAccessFrom, eventAdditionalText1,
        eventAdditionalText2, eventAdditionalText3, eventAdditionalText4,
eventAdditionalText5 }
DESCRIPTION
    "Trap for Control (Integer)
    This notification reports that the object's value is changed by
    snmp-set request.
    The object information is recorded in 'eventResourceID' and also
    changed value is recorded in 'eventControlValue'.
    The 'eventTotalCount' and 'eventCount' is sequential number.
    'eventTotalCount' is notification event count since agent was
    booted.
    'eventAdditionalText' provides some event description."
::= 1

controlEventDspStr TRAP-TYPE
    ENTERPRISE ipeControlTrapItemVar
    VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID,
        eventControlValueDspStr, eventRecordUserName, eventRecordAccessType,
eventRecordAccessFrom, eventAdditionalText1,
        eventAdditionalText2, eventAdditionalText3, eventAdditionalText4,
eventAdditionalText5 }
DESCRIPTION
    "Trap for Control (Display String)
    This notification reports that the object's value is changed by

```

snmp-set request.

The object information is recorded in 'eventResourceID' and also changed value is recorded in 'eventControlValueDspStr'.

The 'eventTotalCount' and 'eventCount' is sequential number.

'eventTotalCount' is notification event count since agent was booted.

'eventAdditionalText' provides some event description."

::= 2

controlEventOctStr TRAP-TYPE

ENTERPRISE ipeControlTrapItemVar

VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID, eventControlValueOctStr, eventRecordUserName, eventRecordAccessType,

eventRecordAccessFrom, eventAdditionalText1,

eventAdditionalText2, eventAdditionalText3, eventAdditionalText4,

eventAdditionalText5 }

DESCRIPTION

"Trap for Control (Octet String)

This notification reports that the object's value is changed by snmp-set request.

The object information is recorded in 'eventResourceID' and also changed value is recorded in 'eventControlValueOctStr'.

The 'eventTotalCount' and 'eventCount' is sequential number.

'eventTotalCount' is notification event count since agent was booted.

'eventAdditionalText' provides some event description."

::= 3

controlEventUnsigned32 TRAP-TYPE

ENTERPRISE ipeControlTrapItemVar

VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID, eventControlValueUnsigned32, eventRecordUserName, eventRecordAccessType,

eventRecordAccessFrom, eventAdditionalText1,

eventAdditionalText2, eventAdditionalText3, eventAdditionalText4,

eventAdditionalText5 }

DESCRIPTION

"Trap for Control (Unsigned32)

This notification reports that the object's value is changed by snmp-set request.

The object information is recorded in 'eventResourceID' and also changed value is recorded in 'eventControlValueUnsigned32'.

The 'eventTotalCount' and 'eventCount' is sequential number.

'eventTotalCount' is notification event count since agent was booted.

'eventAdditionalText' provides some event description."

::= 4

fileDownloadEvent TRAP-TYPE

ENTERPRISE ipeFileDownloadTrapItemVar

VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID, eventDownloadModule, eventDownloadStatus, eventAdditionalText1,

eventAdditionalText2, eventAdditionalText3,

eventAdditionalText4, eventAdditionalText5 }

DESCRIPTION

"Trap for File Download

This notification reports that the executed download status is changed. Changed value is recorded in 'eventDownloadStatus'. The

'eventTotalCount' and 'eventCount' is sequential number.

'eventTotalCount' is notification event count since agent was booted.

```

        'eventAdditionalText' provides some event description."
 ::= 1

```

```

fileUpdateEvent TRAP-TYPE
    ENTERPRISE ipeFileDownloadTrapItemVar
    VARIABLES { eventTotalCount, eventCount, eventTime, eventType, eventResourceID,
        eventUpdateDetail, eventUpdateStatus, eventAdditionalText1, eventAdditionalText2,
eventAdditionalText3,
        eventAdditionalText4, eventAdditionalText5 }
    DESCRIPTION
        "Trap for File Update
        This notification reports that the executed file update status is
        changed. Changed value is recorded in 'eventUpdateStatus'. The
        'eventTotalCount' and 'eventCount' is sequential number.
        'eventTotalCount' is notification event count since agent was
        booted.
        'eventAdditionalText' provides some event description."
 ::= 2

```

```

END

```

```

--
-- MIB-PNMSJ-IPASOLINK-100-200-COMMON-MIB.my
--

```

Appendix 5: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-MSE-MIB)

```
--
-- MIB-PNMSJ-IPASOLINK-100-200-MSE-MIB.my
-- Monday, August 29, 2011
--

MIB-PNMSJ-IPASOLINK-100-200-MSE-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        ItuPerceivedSeverity
            FROM ITU-ALARM-TC-MIB
        OBJECT-TYPE
            FROM RFC-1212
        enterprises, IpAddress
            FROM RFC1155-SMI;

--
-- Type definitions
--

IpeEnableDisableValue ::= INTEGER
{
    invalid(0),
    disabled(1),
    enabled(2)
}

IpeAtmImald ::= INTEGER (0..255)

IpeAtmImalIndex ::= INTEGER (1..32)

IpeAtmVci ::= INTEGER (32..65535)

IpeAtmVpi ::= INTEGER (0..255)

IpeExpBitValue ::= INTEGER (0..7)

IpeImalIndexOrZero ::= INTEGER (0..32)

IpeLabelIndex ::= INTEGER (0..1048575)

IpePwIndex ::= INTEGER (1..256)

IpeVlanIndex ::= INTEGER (1..4094)

--
-- Node definitions
--

-- 1.3.6.1.4.1.119
nec OBJECT IDENTIFIER ::= { enterprises 119 }
```

```

-- 1.3.6.1.4.1.119.2
nec-mib OBJECT IDENTIFIER ::= { nec 2 }

-- 1.3.6.1.4.1.119.2.3
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }

-- 1.3.6.1.4.1.119.2.3.69
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }

-- 1.3.6.1.4.1.119.2.3.69.203
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }

-- 1.3.6.1.4.1.119.2.3.69.203.502
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501
pasoNeolpe-common OBJECT IDENTIFIER ::= { ipasolink200 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3
alarmStatusGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40
asMseGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 40 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.1
asMseCardTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsMseCardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.1.1
asMseCardEntry OBJECT-TYPE
    SYNTAX AsMseCardEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asMseCardNEAddress, asMseCardIndex }
    ::= { asMseCardTable 1 }

AsMseCardEntry ::=
    SEQUENCE {
        asMseCardIndex
            INTEGER,
        asMseCardNEAddress
            IpAddress,

```

```

        asMseCardModuleFail
            ItuPerceivedSeverity,
        asMseCardComFailAlarm
            ItuPerceivedSeverity,
        asMseCardUnequipped
            ItuPerceivedSeverity,
        asMseCardTypeMismatch
            ItuPerceivedSeverity
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.1.1.1
asMseCardIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseCardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.1.1.2
asMseCardNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseCardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.1.1.3
asMseCardModuleFail OBJECT-TYPE
    SYNTAX ItuPerceivedSeverity
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseCardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.1.1.4
asMseCardComFailAlarm OBJECT-TYPE
    SYNTAX ItuPerceivedSeverity
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseCardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.1.1.5
asMseCardUnequipped OBJECT-TYPE
    SYNTAX ItuPerceivedSeverity
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseCardEntry 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.1.1.6
asMseCardTypeMismatch OBJECT-TYPE
    SYNTAX ItuPerceivedSeverity
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseCardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.2
asMseLineTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsMseLineEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.2.1
asMseLineEntry OBJECT-TYPE
    SYNTAX AsMseLineEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asMseLineNEAddress, asMseLineIfIndex }
    ::= { asMseLineTable 1 }

AsMseLineEntry ::=
    SEQUENCE {
        asMseLineIfIndex
            InterfaceIndex,
        asMseLineNEAddress
            IpAddress,
        asMseLineAdaptiveClkStatus
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.2.1.1
asMseLineIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseLineEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.2.1.2
asMseLineNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMseLineEntry 2 }

```


-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.40.2.1.6

asMseLineAdaptiveClkStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    holdover(1),
    acquiring(2),
    acquired(3)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { asMseLineEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5

provisioningGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40

provMseGroup OBJECT IDENTIFIER ::= { provisioningGroup 40 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.1

provMseLineModeTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvMseLineModeEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provMseGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.1.1

provMseLineModeEntry OBJECT-TYPE

SYNTAX ProvMseLineModeEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provMseLineModeNEAddress, provMseLineModeIfIndex }

::= { provMseLineModeTable 1 }

ProvMseLineModeEntry ::=

SEQUENCE {

provMseLineModeIfIndex

InterfaceIndex,

provMseLineModeNEAddress

IpAddress,

provMseLineModeType

INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.1.1.1

provMseLineModeIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

```

STATUS mandatory
DESCRIPTION
    " "
::= { provMseLineModeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.1.1.2
provMseLineModeNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provMseLineModeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.1.1.3
provMseLineModeType OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            none(1),
            satop(2),
            cesopsn(3),
            atmop(4),
            atm(5)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { none }
    ::= { provMseLineModeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.2
provMseClockModeTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvMseClockModeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provMseGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.2.1
provMseClockModeEntry OBJECT-TYPE
    SYNTAX ProvMseClockModeEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provMseClockModeNEAddress, provMseClockModelfIndex }
    ::= { provMseClockModeTable 1 }

ProvMseClockModeEntry ::=
    SEQUENCE {
        provMseClockModelfIndex
        InterfaceIndex,

```

```

        provMseClockModeNEAddress
            IpAddress,
        provMseClockModeType
            INTEGER,
        provMseClockACRLineSelect
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.2.1.1
provMseClockModeIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provMseClockModeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.2.1.2
provMseClockModeNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provMseClockModeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.2.1.3
provMseClockModeType OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            syncToSystem(1),
            syncToPw(2),
            syncToLine(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { syncToPw }
    ::= { provMseClockModeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.2.1.4
provMseClockACRLineSelect OBJECT-TYPE
    SYNTAX INTEGER (1..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provMseClockModeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.3
provMseClockModeExtTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvMseClockModeExtEntry
    ACCESS not-accessible
    STATUS mandatory

```

DESCRIPTION

" "

::= { provMseGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.3.1

provMseClockModeExtEntry OBJECT-TYPE

SYNTAX ProvMseClockModeExtEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provMseClockModeExtNEAddress, provMseClockModeExtIfIndex }

::= { provMseClockModeExtTable 1 }

ProvMseClockModeExtEntry ::=

SEQUENCE {

provMseClockModeExtIfIndex

InterfaceIndex,

provMseClockModeExtNEAddress

IpAddress,

provMseClockModeReply2Master

IpeEnableDisableValue,

provMseClockSupplyMode

IpeEnableDisableValue

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.3.1.1

provMseClockModeExtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provMseClockModeExtEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.3.1.2

provMseClockModeExtNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provMseClockModeExtEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.3.1.3

provMseClockModeReply2Master OBJECT-TYPE

SYNTAX IpeEnableDisableValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

DEFVAL { enabled }

::= { provMseClockModeExtEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.3.1.4

```

provMseClockSupplyMode OBJECT-TYPE
    SYNTAX IpeEnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { disabled }
    ::= { provMseClockModeExtEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.4
provMseClockSelectTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvMseClockSelectEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provMseGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.4.1
provMseClockSelectEntry OBJECT-TYPE
    SYNTAX ProvMseClockSelectEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provMseClockSelectNEAddress, provMseClockSelectCardId }
    ::= { provMseClockSelectTable 1 }

ProvMseClockSelectEntry ::=
    SEQUENCE {
        provMseClockSelectCardId
            INTEGER,
        provMseClockSelectNEAddress
            IpAddress,
        provMseClockSelectLineNum
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.4.1.1
provMseClockSelectCardId OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provMseClockSelectEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.4.1.2
provMseClockSelectNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provMseClockSelectEntry 2 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.40.4.1.3
provMseClockSelectLineNum OBJECT-TYPE
    SYNTAX INTEGER (1..16)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { 1 }
    ::= { provMseClockSelectEntry 3 }
```

END

```
--
-- MIB-PNMSJ-IPASOLINK-100-200-MSE-MIB.my
--
```

Appendix 6: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-LAG-MIB)

```
--
-- MIB-PNMSJ-IPASOLINK-100-200-LAG-MIB.my
-- Friday, May 11, 2012
--

MIB-PNMSJ-IPASOLINK-100-200-LAG-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        ItuPerceivedSeverity
            FROM ITU-ALARM-TC-MIB
        OBJECT-TYPE
            FROM RFC-1212
        enterprises, IpAddress
            FROM RFC1155-SMI
        DisplayString
            FROM RFC1213-MIB;

--
-- Type definitions
--

    RowStatus ::= INTEGER
        {
            active(1),
            notInService(2),
            notReady(3),
            createAndGo(4),
            createAndWait(5),
            destroy(6)
        }

    IpeEnableDisableValue ::= INTEGER
        {
            invalid(0),
            disabled(1),
            enabled(2)
        }

    IpeLinkAggrGroupIndex ::= INTEGER (1..64)

--
-- Node definitions
--

    -- 1.3.6.1.4.1.119
    nec OBJECT IDENTIFIER ::= { enterprises 119 }

    -- 1.3.6.1.4.1.119.2
    nec-mib OBJECT IDENTIFIER ::= { nec 2 }
```

```

-- 1.3.6.1.4.1.119.2.3
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }

-- 1.3.6.1.4.1.119.2.3.69
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }

-- 1.3.6.1.4.1.119.2.3.69.203
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }

-- 1.3.6.1.4.1.119.2.3.69.203.502
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501
pasoNeolpe-common OBJECT IDENTIFIER ::= { ipasolink200 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3
alarmStatusGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38
asLinkAggrGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 38 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.1
asLinkAggrGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsLinkAggrGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asLinkAggrGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.1.1
asLinkAggrGroupEntry OBJECT-TYPE
    SYNTAX AsLinkAggrGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asLinkAggrGroupNEAddress, asLinkAggrGroupIfIndex }
    ::= { asLinkAggrGroupTable 1 }

AsLinkAggrGroupEntry ::=
    SEQUENCE {
        asLinkAggrGroupIfIndex
            InterfaceIndex,
        asLinkAggrGroupNEAddress
            IpAddress,
        asLinkAggrGroupLinkStatus
            ItuPerceivedSeverity,
        asLinkAggrGroupOperStatus
            INTEGER
    }

```



```

    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.1.1.1
asLinkAggrGroupIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asLinkAggrGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.1.1.2
asLinkAggrGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asLinkAggrGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.1.1.3
asLinkAggrGroupLinkStatus OBJECT-TYPE
    SYNTAX ItuPerceivedSeverity
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asLinkAggrGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.1.1.5
asLinkAggrGroupOperStatus OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            linkDown(1),
            linkUp(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asLinkAggrGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.2
asLinkAggrPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsLinkAggrPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asLinkAggrGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.2.1
asLinkAggrPortEntry OBJECT-TYPE
    SYNTAX AsLinkAggrPortEntry

```

ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 " "

INDEX { asLinkAggrPortNEAddress, asLinkAggrPortGroupIfIndex, asLinkAggrPortIfIndex }
 ::= { asLinkAggrPortTable 1 }

AsLinkAggrPortEntry ::=
 SEQUENCE {
 asLinkAggrPortGroupIfIndex
 InterfaceIndex,
 asLinkAggrPortIfIndex
 InterfaceIndex,
 asLinkAggrPortNEAddress
 IpAddress,
 asLinkAggrPortStatus
 INTEGER
 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.2.1.1
 asLinkAggrPortGroupIfIndex OBJECT-TYPE
 SYNTAX InterfaceIndex
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 " "
 ::= { asLinkAggrPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.2.1.2
 asLinkAggrPortIfIndex OBJECT-TYPE
 SYNTAX InterfaceIndex
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 " "
 ::= { asLinkAggrPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.2.1.3
 asLinkAggrPortNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 " "
 ::= { asLinkAggrPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.38.2.1.4
 asLinkAggrPortStatus OBJECT-TYPE
 SYNTAX INTEGER
 {
 invalid(0),
 active(1),
 standby(2)
 }
 ACCESS read-only
 STATUS mandatory

```

DESCRIPTION
    " "
 ::= { asLinkAggrPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5
provisioningGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38
provLinkAggrGroup OBJECT IDENTIFIER ::= { provisioningGroup 38 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.1
provLinkAggrGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvLinkAggrGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLinkAggrGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.1.1
provLinkAggrGroupEntry OBJECT-TYPE
    SYNTAX ProvLinkAggrGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provLinkAggrGroupNEAddress, provLinkAggrGroupIfIndex }
    ::= { provLinkAggrGroupTable 1 }

ProvLinkAggrGroupEntry ::=
    SEQUENCE {
        provLinkAggrGroupIfIndex
            InterfaceIndex,
        provLinkAggrGroupNEAddress
            IpAddress,
        provLinkAggrGroupMode
            INTEGER,
        provLinkAggrGroupTxType
            INTEGER,
        provLinkAggrGroupName
            DisplayString,
        provLinkAggrGroupRowStatus
            RowStatus
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.1.1.1
provLinkAggrGroupIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLinkAggrGroupEntry 1 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.1.1.2
provLinkAggrGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLinkAggrGroupEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.1.1.3
provLinkAggrGroupMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            active(1),
            passive(2),
            local(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLinkAggrGroupEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.1.1.6
provLinkAggrGroupTxType OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            macVid(1),
            mplsLabel(2),
            ipVid(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { macVid }
    ::= { provLinkAggrGroupEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.1.1.7
provLinkAggrGroupName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { "h" }
    ::= { provLinkAggrGroupEntry 7 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.1.1.8
provLinkAggrGroupRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
```

```

    " "
    ::= { provLinkAggrGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.4
provLinkAggrEquipmentTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvLinkAggrEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLinkAggrGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.4.1
provLinkAggrEquipmentEntry OBJECT-TYPE
    SYNTAX ProvLinkAggrEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provLinkAggrEquipmentNEAddress, provLinkAggrEquipmentIndex }
    ::= { provLinkAggrEquipmentTable 1 }

ProvLinkAggrEquipmentEntry ::=
    SEQUENCE {
        provLinkAggrEquipmentIndex
            INTEGER,
        provLinkAggrEquipmentNEAddress
            IpAddress,
        provLinkAggrEquipmentSysPriority
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.4.1.1
provLinkAggrEquipmentIndex OBJECT-TYPE
    SYNTAX INTEGER (1)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLinkAggrEquipmentEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.4.1.2
provLinkAggrEquipmentNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provLinkAggrEquipmentEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.38.4.1.3
provLinkAggrEquipmentSysPriority OBJECT-TYPE
    SYNTAX INTEGER (1..65535)
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    " "
DEFVAL { 32768 }
::= { provLinkAggrEquipmentEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6
maintenanceGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.38
maintLinkAggrGroup OBJECT IDENTIFIER ::= { maintenanceGroup 38 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.38.1
maintLinkAggrGroupTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MaintLinkAggrGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintLinkAggrGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.38.1.1
maintLinkAggrGroupEntry OBJECT-TYPE
    SYNTAX MaintLinkAggrGroupEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { maintLinkAggrGroupNEAddress, maintLinkAggrGroupIfIndex }
    ::= { maintLinkAggrGroupTable 1 }

MaintLinkAggrGroupEntry ::=
    SEQUENCE {
        maintLinkAggrGroupIfIndex
            InterfaceIndex,
        maintLinkAggrGroupNEAddress
            IpAddress,
        maintLinkAggrGroupRevert
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.38.1.1.1
maintLinkAggrGroupIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintLinkAggrGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.38.1.1.2
maintLinkAggrGroupNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory

```

DESCRIPTION

" "

::= { maintLinkAggrGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.38.1.1.3

maintLinkAggrGroupRevert OBJECT-TYPE

SYNTAX INTEGER

{
invalid(0),
none(1),
revert(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { maintLinkAggrGroupEntry 3 }

END

--

-- MIB-PNMSJ-IPASOLINK-100-200-LAG-MIB.my

--

Appendix 7: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-ETH-RING-MIB)

```
--
-- MIB-PNMSJ-IPASOLINK-100-200-ETH-RING-MIB.my
-- Friday, May 11, 2012
--

MIB-PNMSJ-IPASOLINK-100-200-ETH-RING-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        enterprises, IpAddress
            FROM RFC1155-SMI
        DisplayString
            FROM RFC1213-MIB;

--
-- Type definitions
--

IpeEtherRingIndex ::= INTEGER (1..16)

IpeEtherRingPortId ::= INTEGER (1..2)

IpeEtherRingProtoVersion ::= INTEGER
{
    invalid(0),
    g8032v1(1),
    g8032v2(2)
}

IpeAdminStatus ::= INTEGER
{
    invalid(0),
    down(1),
    up(2)
}

RowStatus ::= INTEGER
{
    active(1),
    notInService(2),
    notReady(3),
    createAndGo(4),
    createAndWait(5),
    destroy(6)
}

IpeRingType ::= INTEGER
{
    invalid(0),
    major(1),
    sub(2)
}
```



```

    }

lpeMepIdOrZero ::= INTEGER (0..128)

lpeEtherRingVlanIndex ::= INTEGER (1..4094)

lpeVlanList ::= OCTET STRING (SIZE (512))

lpeEnableDisableValue ::= INTEGER
    {
        invalid(0),
        disabled(1),
        enabled(2)
    }

lpeEtherRingPortIdOrZero ::= INTEGER (0..2)

lpeEtherRingIndexOrZero ::= INTEGER (0..16)

--
-- Node definitions
--

-- 1.3.6.1.4.1.119
nec OBJECT IDENTIFIER ::= { enterprises 119 }

-- 1.3.6.1.4.1.119.2
nec-mib OBJECT IDENTIFIER ::= { nec 2 }

-- 1.3.6.1.4.1.119.2.3
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }

-- 1.3.6.1.4.1.119.2.3.69
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }

-- 1.3.6.1.4.1.119.2.3.69.203
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }

-- 1.3.6.1.4.1.119.2.3.69.203.502
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501
pasoNeolpe-common OBJECT IDENTIFIER ::= { ipasolink200 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3
alarmStatusGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39
asEtherRingGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 39 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.1
asEtherRingTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsEtherRingEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table contains Alarm & Status of Ethernet Ring Instance."
    ::= { asEtherRingGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.1.1
asEtherRingEntry OBJECT-TYPE
    SYNTAX AsEtherRingEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { asEtherRingNEAddress, asEtherRingRingIndex }
    ::= { asEtherRingTable 1 }
```

```
AsEtherRingEntry ::=
    SEQUENCE {
        asEtherRingRingIndex
            lpeEtherRingIndex,
        asEtherRingNEAddress
            IpAddress,
        asEtherRingState
            INTEGER,
        asEtherRingCause
            INTEGER,
        asEtherRingMultiRplOwnerDetect
            INTEGER
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.1.1.1
asEtherRingRingIndex OBJECT-TYPE
    SYNTAX lpeEtherRingIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asEtherRingEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.1.1.2
asEtherRingNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asEtherRingEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.1.1.3
asEtherRingState OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
```

```

        disabled(1),
        idle(2),
        protection(3),
        forced(4),
        manual(5),
        pending(6)
    }
ACCESS read-only
STATUS mandatory
DESCRIPTION
    "The status of Etherring instance.
    The value 'idle' is initial and normal value. And that means
    there is no fault on the Ring Network (i.e. the RPL Port is
    closed). When the RPL port is opened because of the detection of
    Signal Failure on the Network, the value will change to
    'protection'. 'force' and 'manual' shows switch control is
    performed on the Ring Network. When the switch control is cleared
    or the Signal Failure is cleared, the value will show 'pending'."
::= { asEtherRingEntry 3 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.1.1.4

asEtherRingCause OBJECT-TYPE

SYNTAX INTEGER

```

{
    invalid(0),
    none(1),
    localSf(2),
    localNr(3),
    remoteSf(4),
    remoteNr(5),
    localFs(6),
    localMs(7),
    remoteFs(8),
    remoteMs(9)
}

```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The object shows the reason of the asEtherRingStatus change.

'localSf' : Signal Failure of the local node.

'localNr' : Normal Request of the local node.

'remoteSf' : Signal Failure from the other node.

'remoteNr' : Normal Request from the other node.

'localFs' : Forced Switch Request of the local node.

'localMs' : Manual Switch Request of the local node.

'remoteFs' : Forced Switch Request from the other node.

'remoteMs' : Manual Switch Request from the other node."

::= { asEtherRingEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.1.1.5

asEtherRingMultiRplOwnerDetect OBJECT-TYPE

SYNTAX INTEGER

```

{
    invalid(0),
    none(1),
    detected(2)
}

```

ACCESS read-only

```

STATUS mandatory
DESCRIPTION
    "when the multiple RPL Owner is detected on the Ring Network, the
    value will change to 'detected'."
::= { asEtherRingEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.2
asEtherRingPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsEtherRingPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table contains Alarm & Status of Ethernet Ring Instance."
    ::= { asEtherRingGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.2.1
asEtherRingPortEntry OBJECT-TYPE
    SYNTAX AsEtherRingPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        ""
    INDEX { asEtherRingPortNEAddress, asEtherRingPortRingIndex, asEtherRingPortId }
    ::= { asEtherRingPortTable 1 }

AsEtherRingPortEntry ::=
    SEQUENCE {
        asEtherRingPortRingIndex
            lpeEtherRingIndex,
        asEtherRingPortId
            lpeEtherRingPortId,
        asEtherRingPortNEAddress
            IpAddress,
        asEtherRingPortState
            INTEGER,
        asEtherRingPortLoopDetect
            INTEGER,
        asEtherRingPortProtoTimeout
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.2.1.1
asEtherRingPortRingIndex OBJECT-TYPE
    SYNTAX lpeEtherRingIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Ethernet Ring Instance number."
    ::= { asEtherRingPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.2.1.2
asEtherRingPortId OBJECT-TYPE
    SYNTAX lpeEtherRingPortId
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

"Index of this table. This object represents the Ring port id of the ring instance."
 ::= { asEtherRingPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.2.1.3

asEtherRingPortNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

"reserved."

::= { asEtherRingPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.2.1.4

asEtherRingPortState OBJECT-TYPE

SYNTAX INTEGER

```
{
  invalid(0),
  disabled(1),
  initBlocking(2),
  rplBlocking(3),
  forwarding(4),
  signalFail(5),
  recovery(6),
  waitToRestore(7),
  forcedSwitch(8),
  manualSwitch(9),
  waitToBlock(10)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Port Status.

'initBlocking' is the initial value. At this point the no R-APS frame is received. When the port is configured as RPL port and the port is closed, the value will show 'rplBlocking'. The port forwards the frames, the value will show 'forwarding'.

If the signal failure is detected on the port and the port is closed, the object will return the value 'signalFail'. And then the condition of Signal Failure is cleared but the port is still closed, the object will return the value 'recovery'.

'waitToRestore' shows the RPL port is still closed till expiring the wait-to-restore timer.

'forcedSwitch' and 'manualSwitch' represents the port is controlled by the maintenance control. 'waitToBlock' is waiting the RPL Port open after clearing maintenance control."

::= { asEtherRingPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.2.1.5

asEtherRingPortLoopDetect OBJECT-TYPE

SYNTAX INTEGER

```
{
  invalid(0),
  none(1),
  detected(2)
}
```

ACCESS read-only

```

STATUS mandatory
DESCRIPTION
    "The loop detection status.
    The object will show the value 'detected', when the Loop
    connection is detected."
::= { asEtherRingPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.39.2.1.6
asEtherRingPortProtoTimeout OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            none(1),
            detected(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The status of Protocol Timeout.
        If the R-APS frame is not received in a specified time, the
        object will show the value 'detected'."
    ::= { asEtherRingPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5
provisioningGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39
provEtherRingGroup OBJECT IDENTIFIER ::= { provisioningGroup 39 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1
provEtherRingTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEtherRingEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Configure EtherRing Instance."
    ::= { provEtherRingGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1.1
provEtherRingEntry OBJECT-TYPE
    SYNTAX ProvEtherRingEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provEtherRingNEAddress, provEtherRingIndex }
    ::= { provEtherRingTable 1 }

ProvEtherRingEntry ::=
    SEQUENCE {
        provEtherRingIndex
        lpeEtherRingIndex,
        provEtherRingNEAddress
        IpAddress,

```

```

        provEtherRingProtoVersion
        lpeEtherRingProtoVersion,
        provEtherRingName
        DisplayString,
        provEtherRingAdminStatus
        lpeAdminStatus,
        provEtherRingRowStatus
        RowStatus,
        provEtherRingType
        lpeRingType
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1.1.1
provEtherRingIndex OBJECT-TYPE
    SYNTAX lpeEtherRingIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Unique ID for EtherRing Instance."
    ::= { provEtherRingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1.1.2
provEtherRingNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Reserved Object Identifier for the Northbound interface
        interface for the EMS."
    ::= { provEtherRingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1.1.3
provEtherRingProtoVersion OBJECT-TYPE
    SYNTAX lpeEtherRingProtoVersion
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "EtherRing Protocol Version for this EtherRing instance."
    DEFVAL { g8032v2 }
    ::= { provEtherRingEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1.1.4
provEtherRingName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Administrative name for this EtherRing instance."
    DEFVAL { "h" }
    ::= { provEtherRingEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1.1.5
provEtherRingAdminStatus OBJECT-TYPE
    SYNTAX lpeAdminStatus
    ACCESS read-only
    STATUS mandatory

```

DESCRIPTION

"Administrative State for this EtherRing instance.

This object must be set to down,when changing the parameters for the EtherRing Instance."

DEFVAL { down }

::= { provEtherRingEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1.1.6

provEtherRingRowStatus OBJECT-TYPE

SYNTAX RowStatus

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This object is used to create a new EtherRing instance or delete an existing instance.

Each EtherRing instance has provEtherRingTable or provEtherRingInterConnTable depends on the type of EtherRing and the following tables.

provEtherRingVirtualChannelTable.

provEtherRingCtrlVlanTable.

provEtherRingMemberVlanTable.

provEtherRingRPLPortTable.

provEtherRingTimerTable.

So it is necessary to set all objects of the above tables which has no default value, when creating new EtherRing instance."

::= { provEtherRingEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.1.1.7

provEtherRingType OBJECT-TYPE

SYNTAX IpeRingType

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provEtherRingEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.3

provEtherRingPortTable OBJECT-TYPE

SYNTAX SEQUENCE OF ProvEtherRingPortEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { provEtherRingGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.3.1

provEtherRingPortEntry OBJECT-TYPE

SYNTAX ProvEtherRingPortEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { provEtherRingPortNEAddress, provEtherRingPortRingIndex, provEtherRingPortId }

::= { provEtherRingPortTable 1 }


```

ProvEtherRingPortEntry ::=
  SEQUENCE {
    provEtherRingPortRingIndex
      IpeEtherRingIndex,
    provEtherRingPortId
      IpeEtherRingPortId,
    provEtherRingPortNEAddress
      IpAddress,
    provEtherRingPortRowStatus
      RowStatus,
    provEtherRingPortIfIndex
      InterfaceIndex,
    provEtherRingPortLocDetectMep
      IpeMepIdOrZero
  }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.3.1.1
provEtherRingPortRingIndex OBJECT-TYPE
  SYNTAX IpeEtherRingIndex
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  ::= { provEtherRingPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.3.1.2
provEtherRingPortId OBJECT-TYPE
  SYNTAX IpeEtherRingPortId
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  ::= { provEtherRingPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.3.1.3
provEtherRingPortNEAddress OBJECT-TYPE
  SYNTAX IpAddress
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  ::= { provEtherRingPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.3.1.4
provEtherRingPortRowStatus OBJECT-TYPE
  SYNTAX RowStatus
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  ::= { provEtherRingPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.3.1.5
provEtherRingPortIfIndex OBJECT-TYPE
  SYNTAX InterfaceIndex

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    " "
::= { provEtherRingPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.3.1.6
provEtherRingPortLocDetectMep OBJECT-TYPE
    SYNTAX IpeMepIdOrZero
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { 0 }
    ::= { provEtherRingPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.5
provEtherRingCtrlVlanTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEtherRingCtrlVlanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEtherRingGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.5.1
provEtherRingCtrlVlanEntry OBJECT-TYPE
    SYNTAX ProvEtherRingCtrlVlanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provEtherRingCtrlVlanNEAddress, provEtherRingCtrlVlanRingIndex }
    ::= { provEtherRingCtrlVlanTable 1 }

ProvEtherRingCtrlVlanEntry ::=
    SEQUENCE {
        provEtherRingCtrlVlanRingIndex
            IpeEtherRingIndex,
        provEtherRingCtrlVlanNEAddress
            IpAddress,
        provEtherRingCtrlVlanId
            IpeEtherRingVlanIndex,
        provEtherRingCtrlVlanRingId
            INTEGER,
        provEtherRingCtrlVlanMegLevel
            INTEGER,
        provEtherRingCtrlVlanPriority
            INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.5.1.1
provEtherRingCtrlVlanRingIndex OBJECT-TYPE
    SYNTAX IpeEtherRingIndex
    ACCESS read-only
    STATUS mandatory

```

```

DESCRIPTION
    " "
    ::= { provEtherRingCtrlVlanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.5.1.2
provEtherRingCtrlVlanNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEtherRingCtrlVlanEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.5.1.3
provEtherRingCtrlVlanId OBJECT-TYPE
    SYNTAX IpeEtherRingVlanIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEtherRingCtrlVlanEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.5.1.4
provEtherRingCtrlVlanRingId OBJECT-TYPE
    SYNTAX INTEGER (1..239)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEtherRingCtrlVlanEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.5.1.5
provEtherRingCtrlVlanMegLevel OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEtherRingCtrlVlanEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.5.1.6
provEtherRingCtrlVlanPriority OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { 7 }
    ::= { provEtherRingCtrlVlanEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.6
provEtherRingMemberVlanTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEtherRingMemberVlanEntry
    ACCESS not-accessible

```

```

STATUS mandatory
DESCRIPTION
    " "
::= { provEtherRingGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.6.1
provEtherRingMemberVlanEntry OBJECT-TYPE
    SYNTAX ProvEtherRingMemberVlanEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { provEtherRingMemberVlanNEAddress, provEtherRingMemberVlanRingIndex }
    ::= { provEtherRingMemberVlanTable 1 }

ProvEtherRingMemberVlanEntry ::=
    SEQUENCE {
        provEtherRingMemberVlanRingIndex
        lpeEtherRingIndex,
        provEtherRingMemberVlanNEAddress
        IpAddress,
        provEtherRingMemberVlanList
        lpeVlanList
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.6.1.1
provEtherRingMemberVlanRingIndex OBJECT-TYPE
    SYNTAX lpeEtherRingIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provEtherRingMemberVlanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.6.1.2
provEtherRingMemberVlanNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provEtherRingMemberVlanEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.6.1.3
provEtherRingMemberVlanList OBJECT-TYPE
    SYNTAX lpeVlanList
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provEtherRingMemberVlanEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.7
provEtherRingRPLPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEtherRingRPLPortEntry

```

```

ACCESS not-accessible
STATUS mandatory
DESCRIPTION
    " "
::= { provEtherRingGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.7.1
provEtherRingRPLPortEntry OBJECT-TYPE
    SYNTAX ProvEtherRingRPLPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { provEtherRingRPLPortNEAddress, provEtherRingRPLPortRingIndex }
    ::= { provEtherRingRPLPortTable 1 }

ProvEtherRingRPLPortEntry ::=
    SEQUENCE {
        provEtherRingRPLPortRingIndex
        lpeEtherRingIndex,
        provEtherRingRPLPortNEAddress
        IpAddress,
        provEtherRingRPLPortEnable
        lpeEnableDisableValue,
        provEtherRingRPLPortId
        lpeEtherRingPortIdOrZero,
        provEtherRingRPLMode
        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.7.1.1
provEtherRingRPLPortRingIndex OBJECT-TYPE
    SYNTAX lpeEtherRingIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provEtherRingRPLPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.7.1.2
provEtherRingRPLPortNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provEtherRingRPLPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.7.1.3
provEtherRingRPLPortEnable OBJECT-TYPE
    SYNTAX lpeEnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { disabled }

```

```

::= { provEtherRingRPLPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.7.1.4
provEtherRingRPLPortId OBJECT-TYPE
    SYNTAX IpeEtherRingPortIdOrZero
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { 0 }
    ::= { provEtherRingRPLPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.7.1.5
provEtherRingRPLMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            revertive(1),
            nonRevertive(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { nonRevertive }
    ::= { provEtherRingRPLPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.8
provEtherRingTimerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEtherRingTimerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provEtherRingGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.8.1
provEtherRingTimerEntry OBJECT-TYPE
    SYNTAX ProvEtherRingTimerEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { provEtherRingTimerNEAddress, provEtherRingTimerRingIndex }
    ::= { provEtherRingTimerTable 1 }

ProvEtherRingTimerEntry ::=
    SEQUENCE {
        provEtherRingTimerRingIndex
        IpeEtherRingIndex,
        provEtherRingTimerNEAddress
        IpAddress,
        provEtherRingTimerWtrTimer
        INTEGER,
        provEtherRingTimerGrdTimer

```

```

        INTEGER
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.8.1.1
provEtherRingTimerRingIndex OBJECT-TYPE
    SYNTAX IpeEtherRingIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEtherRingTimerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.8.1.2
provEtherRingTimerNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEtherRingTimerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.8.1.3
provEtherRingTimerWtrTimer OBJECT-TYPE
    SYNTAX INTEGER (1..12)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { 5 }
    ::= { provEtherRingTimerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.8.1.4
provEtherRingTimerGrdTimer OBJECT-TYPE
    SYNTAX INTEGER (1..200)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { 50 }
    ::= { provEtherRingTimerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.10
provEtherRingEquipmentTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvEtherRingEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provEtherRingGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.10.1
provEtherRingEquipmentEntry OBJECT-TYPE
    SYNTAX ProvEtherRingEquipmentEntry
    ACCESS not-accessible
    STATUS mandatory

```

DESCRIPTION

" "

INDEX { provEtherRingEquipmentNEAddress, provEtherRingEquipmentIndex }
 ::= { provEtherRingEquipmentTable 1 }

ProvEtherRingEquipmentEntry ::=

```
SEQUENCE {
    provEtherRingEquipmentIndex
        INTEGER,
    provEtherRingEquipmentNEAddress
        IpAddress,
    provEtherRingEquipmentEnable
        IpeEnableDisableValue
}
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.10.1.1

provEtherRingEquipmentIndex OBJECT-TYPE

SYNTAX INTEGER (1)

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provEtherRingEquipmentEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.10.1.2

provEtherRingEquipmentNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { provEtherRingEquipmentEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.39.10.1.3

provEtherRingEquipmentEnable OBJECT-TYPE

SYNTAX IpeEnableDisableValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

DEFVAL { disabled }

::= { provEtherRingEquipmentEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6

maintenanceGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39

maintEtherRingGroup OBJECT IDENTIFIER ::= { maintenanceGroup 39 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.1

maintEtherRingLoopDetectClearTable OBJECT-TYPE

SYNTAX SEQUENCE OF MaintEtherRingLoopDetectClearEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

::= { maintEtherRingGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.1.1

maintEtherRingLoopDetectClearEntry OBJECT-TYPE

SYNTAX MaintEtherRingLoopDetectClearEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

" "

INDEX { maintEtherRingLoopDetectClearNEAddress, maintEtherRingLoopDetectClearRingId,
maintEtherRingLoopDetectClearPortId }

::= { maintEtherRingLoopDetectClearTable 1 }

MaintEtherRingLoopDetectClearEntry ::=

SEQUENCE {

 maintEtherRingLoopDetectClearRingId

 IpeEtherRingIndex,

 maintEtherRingLoopDetectClearPortId

 IpeEtherRingPortId,

 maintEtherRingLoopDetectClearNEAddress

 IpAddress,

 maintEtherRingLoopDetectClearCommand

 INTEGER

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.1.1.1

maintEtherRingLoopDetectClearRingId OBJECT-TYPE

SYNTAX IpeEtherRingIndex

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { maintEtherRingLoopDetectClearEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.1.1.2

maintEtherRingLoopDetectClearPortId OBJECT-TYPE

SYNTAX IpeEtherRingPortId

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { maintEtherRingLoopDetectClearEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.1.1.3

maintEtherRingLoopDetectClearNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION

" "

::= { maintEtherRingLoopDetectClearEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.1.1.4

maintEtherRingLoopDetectClearCommand OBJECT-TYPE
SYNTAX INTEGER

```
{
    invalid(0),
    none(1),
    clear(2)
}
```

ACCESS read-only
STATUS mandatory
DESCRIPTION
" "

::= { maintEtherRingLoopDetectClearEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.2

maintEtherRingSwitchControlTable OBJECT-TYPE
SYNTAX SEQUENCE OF MaintEtherRingSwitchControlEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
" "

::= { maintEtherRingGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.2.1

maintEtherRingSwitchControlEntry OBJECT-TYPE
SYNTAX MaintEtherRingSwitchControlEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
" "

INDEX { maintEtherRingSwitchControlINEAddress, maintEtherRingSwitchControlRingId,
maintEtherRingSwitchControlPortId }
::= { maintEtherRingSwitchControlTable 1 }

MaintEtherRingSwitchControlEntry ::=

```
SEQUENCE {
    maintEtherRingSwitchControlRingId
        lpeEtherRingIndex,
    maintEtherRingSwitchControlPortId
        lpeEtherRingPortId,
    maintEtherRingSwitchControlINEAddress
        IpAddress,
    maintEtherRingSwitchControlCommand
        INTEGER
}
```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.2.1.1

maintEtherRingSwitchControlRingId OBJECT-TYPE
SYNTAX lpeEtherRingIndex
ACCESS read-only
STATUS mandatory
DESCRIPTION
" "

::= { maintEtherRingSwitchControlEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.2.1.2

maintEtherRingSwitchControlPortId OBJECT-TYPE

```

SYNTAX IpeEtherRingPortId
ACCESS read-only
STATUS mandatory
DESCRIPTION
    " "
 ::= { maintEtherRingSwitchControlEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.2.1.3
maintEtherRingSwitchControlNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintEtherRingSwitchControlEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.6.39.2.1.4
maintEtherRingSwitchControlCommand OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            none(1),
            forced(2),
            manual(3),
            clear(4)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { maintEtherRingSwitchControlEntry 4 }

```

END

```

--
-- MIB-PNMSJ-IPASOLINK-100-200-ETH-RING-MIB.my
--

```

Appendix 8: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-DOT3OAM-MIB.my)

```

--
-- MIB-PNMSJ-IPASOLINK-100-200-DOT3OAM-MIB.my
-- Friday, May 11, 2012
--

```

MIB-PNMSJ-IPASOLINK-100-200-DOT3OAM-MIB DEFINITIONS ::= BEGIN

```

IMPORTS
    InterfaceIndex, InterfaceIndexOrZero
    FROM IF-MIB
    OBJECT-TYPE

```

```

        FROM RFC-1212
TRAP-TYPE
        FROM RFC-1215
enterprises, IpAddress, Counter, Gauge
        FROM RFC1155-SMI
DisplayString
        FROM RFC1213-MIB
DateAndTime, MacAddress
        FROM SNMPv2-TC;

```

```

--
-- Type definitions
--

```

```

EnableDisableValue ::= INTEGER
{
    invalid(0),
    disable(1),
    enable(2)
}

SeverityValue ::= INTEGER
{
    cleared(1),
    indetermine(2),
    critical(3),
    major(4),
    minor(5),
    warning(6)
}

```

```

--
-- Node definitions
--

```

```

-- 1.3.6.1.4.1.119
nec OBJECT IDENTIFIER ::= { enterprises 119 }

-- 1.3.6.1.4.1.119.2
nec-mib OBJECT IDENTIFIER ::= { nec 2 }

-- 1.3.6.1.4.1.119.2.3
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }

-- 1.3.6.1.4.1.119.2.3.69
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }

-- 1.3.6.1.4.1.119.2.3.69.203
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }

-- 1.3.6.1.4.1.119.2.3.69.203.502
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501
pasoNeolpe-common OBJECT IDENTIFIER ::= { ipasolink200 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3
alarmStatusGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46
asDot3OamGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 46 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.1
asDot3OamPortTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsDot3OamPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "This table contains status of the OAM capabilities of the
        interface."
    ::= { asDot3OamGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.1.1
asDot3OamPortEntry OBJECT-TYPE
    SYNTAX AsDot3OamPortEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Entries in the table are created automatically."
    INDEX{ asDot3OamPortNEAddress, asDot3OamPortIfIndex }
    ::= { asDot3OamPortTable 1 }

AsDot3OamPortEntry ::=
    SEQUENCE {
        asDot3OamPortIfIndex
            InterfaceIndex,
        asDot3OamPortNEAddress
            IpAddress,
        asDot3OamPortOperStatus
            INTEGER,
        asDot3OamPortMaxOamPduSize
            Gauge,
        asDot3OamPortConfigRevision
            Gauge,
        asDot3OamPortFunctionsSupported
            BITS
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.1.1.1
asDot3OamPortIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of the entry."
    ::= { asDot3OamPortEntry 1 }

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.1.1.2
asDot3OamPortNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"reserved."

::= { asDot3OamPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.1.1.3
asDot3OamPortOperStatus OBJECT-TYPE

SYNTAX INTEGER

```
{
    invalid(0),
    disabled(1),
    linkFault(2),
    passiveWait(3),
    activeSendLocal(4),
    sendLocalAndRemote(5),
    sendLocalAndRemoteOK(6),
    oamPeeringLocallyRejected(7),
    oamPeeringRemotelyRejected(8),
    operational(9),
    nonOperHalfDuplex(10)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This value is always disabled(1) if OAM is disabled on the interface via the provDot3OamPortEnabled.

If the link has detected a fault and is transmitting OAMPDUs with a link fault indication or the interface is not operational, the value is linkFault(2).

The passiveWait(3) state is returned only by OAM entities in passive mode and reflects the state in which the OAM entity is waiting to see if the peer device is OA capable. The

activeSendLocal(4) value is used by active mode trying to discover whether the peer has OAM capability but has not yet made that determination.

The state sendLocalAndRemote(5) reflects that the local OA entity has discovered the peer but has not yet accepted or rejected the configuration of the peer. The local device can, for whatever reason, decide that the peer device is unacceptable and decline OAM peering. If the local OAM entity rejects the peer OAM entity, the state becomes oamPeeringLocallyRejected(7). If the OAM peering is allowed by the local device, the state moves to sendLocalAndRemoteOk(6).

If the remote OAM entity rejects the peering, the state becomes oamPeeringRemotelyRejected(8). When the local OAM entity learns that both it and the remote OAM entity have accepted the peering, the state moves to operational(9). Since Ethernet OAM functions are not designed to work completely over half-duplex interfaces, the value nonOperHalfDuplex(10) is returned whenever Ethernet OAM is enabled, but the interface is in half-duplex operation."

::= { asDot3OamPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.1.1.4

asDot3OamPortMaxOamPduSize OBJECT-TYPE

SYNTAX Gauge (64..1518)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The largest OAMPDU that the OAM entity supports. OA entities exchange maximum OAMPDU sizes and negotiate to use the smaller of the two maximum OAMPDU sizes between the peers."

::= { asDot3OamPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.1.1.5

asDot3OamPortConfigRevision OBJECT-TYPE

SYNTAX Gauge (0..65535)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The configuration revision of the OAM entity as reflected in the latest OAMPDU sent by the OAM entity. The config revision is used by OAM entities to indicate that configuration changes have occurred, which might require the peer OAM entity to re-evaluate whether OAM peering is allowed."

::= { asDot3OamPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.1.1.6

asDot3OamPortFunctionsSupported OBJECT-TYPE

SYNTAX BITS

```
{
    unidirectionalSupport(0),
    loopbackSupport(1),
    eventSupport(2),
    variableSupport(3)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The OAM functions supported on this interface. OAM consists of separate functional sets beyond the basic discovery process that is always required. These functional groups can be supported independently by any implementation. These values are communicated to the peer via the local configuration field of Information OAMPDUs.

Setting unidirectionalSupport(0) indicates that the OA entity supports the transmission of OAMPDUs on links that are operating in unidirectional mode. Setting loopbackSupport(1) indicates that the OAM entity can initiate and respond to loopback commands. Setting eventSupport(2) indicates that the OAM entity can send and receive Event Notification OAMPDUs. Setting variableSupport(3) indicates that the OAM entity can send and receive Variable Request and Response OAMPDUs."

::= { asDot3OamPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2

asDot3OamPeerTable OBJECT-TYPE

SYNTAX SEQUENCE OF AsDot3OamPeerEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"This table contains information about the OAM peer for a particular interface. OAM entities communicates with a single OAM peer entity on Ethernet links."

::= { asDot3OamGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1

asDot3OamPeerEntry OBJECT-TYPE

SYNTAX AsDot3OamPeerEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"An entry in the table containing information on the peer entity for a single interface.

Note that there is at most on OAM peer for each interface. Peer information is not reliable when asDot3OamPortStatus is disabled(1), linkFault(2), passiveWait(3), activeSendLocal(4), or nonOperHalfDuplex(10)."

INDEX{ asDot3OamPeerNEAddress, asDot3OamPeerIfIndex }

::= { asDot3OamPeerTable 1 }

AsDot3OamPeerEntry ::=

SEQUENCE {

asDot3OamPeerIfIndex
InterfaceIndex,
asDot3OamPeerNEAddress
IpAddress,
asDot3OamPeerMacAddress
MacAddress,
asDot3OamPeerVendorOui
OCTET STRING,
asDot3OamPeerVendorInfo
Gauge,
asDot3OamPeerMode
INTEGER,
asDot3OamPeerMaxOamPduSize
Gauge,
asDot3OamPeerConfigRevision
Gauge,
asDot3OamPeerFunctionsSupported
BITS

}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.1

asDot3OamPeerIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Index of this table."

::= { asDot3OamPeerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.2

asDot3OamPeerNEAddress OBJECT-TYPE

SYNTAX IpAddress

ACCESS not-accessible


```

STATUS mandatory
DESCRIPTION
    "reserved."
::= { asDot3OamPeerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.3
asDot3OamPeerMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The MAC address of the peer OAM entity. The MAC address is
        derived from the most recently received OAMPDU."
    ::= { asDot3OamPeerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.4
asDot3OamPeerVendorOui OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE(3..3))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The OUI of the OAM peer as reflected in the latest Information
        OAMPDU received with a Local Information TLV. The OUI can be used
        to identify the vendor of the remote OA entity. This value is
        initialized to three octets of zero before any Local Information
        TLV is received."
    ::= { asDot3OamPeerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.5
asDot3OamPeerVendorInfo OBJECT-TYPE
    SYNTAX Gauge
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The Vendor Info of the OAM peer as reflected in the latest
        Information OAMPDU received with a Local Information TLV.
        The semantics of the Vendor Information field is proprietary and
        specific to the vendor. This value is initialized to zero before
        any Local Information TLV is received."
    ::= { asDot3OamPeerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.6
asDot3OamPeerMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            passive(1),
            active(2),
            unknown(3)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The mode of the OAM peer as reflected in the latest Information
        OAMPDU received with a Local Information TLV. The mode of the
        peer can be determined from the Configuration field in the Local

```

Information TLV of the last Information OAMPDU received from the peer. The value is unknown(3) whenever no Local Information TLV has been received. The values of active(2) and passive(1) are returned when a Local Information TLV has been received indicating that the peer is in active or passive mode, respectively."

::= { asDot3OamPeerEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.7

asDot3OamPeerMaxOamPduSize OBJECT-TYPE

SYNTAX Gauge (0|64..1518)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The maximum size of OAMPDU supported by the peer as reflected in the latest Information OAMPDU received with a Local Information TLV. Ethernet OAM on this interface must not use OAMPDUs that exceed this size. The maximum OAMPDU size can be determined from the PDU Configuration field of the Local Information TLV of the last Information OAMPDU received from the peer. A value of zero is returned if no Local Information TLV has been received. Otherwise, the value of the OAM peer's maximum OAMPDU size is returned in this value."

::= { asDot3OamPeerEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.8

asDot3OamPeerConfigRevision OBJECT-TYPE

SYNTAX Gauge (0..65535)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The configuration revision of the OAM peer as reflected in the latest OAMPDU. This attribute is changed by the peer whenever it has a local configuration change for Ethernet OA on this interface. The configuration revision can be determined from the Revision field of the Local Information TLV of the most recently received Information OAMPDU with a Local Information TLV. A value of zero is returned if no Local Information TLV has been received."

::= { asDot3OamPeerEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.2.1.9

asDot3OamPeerFunctionsSupported OBJECT-TYPE

SYNTAX BITS

```
{
    unidirectionalSupport(0),
    loopbackSupport(1),
    eventSupport(2),
    variableSupport(3)
}
```

ACCESS read-only

STATUS mandatory

DESCRIPTION

"The OAM functions supported on the interface. OAM consists of separate functionality sets above the basic discovery process.

This value indicates the capabilities of the peer OAM entity with

respect to these functions. This value is initialized so all bits are clear.

If unidirectionalSupport(0) is set, the the peer OAM entity supports sending OAM frames on the interfaces when the receive path is known to be inoperable. If loopbackSupport(1) is set, then the peer OAM entity can send and receive OAM loopback commands. If eventSupport(2) is set, then the peer OAM entity can send and receive event OAMPDUs to signal various error conditions. If variableSupport(3) is set, then the peer OAM entity can send and receive variable requests to monitor the attribute value.

The capabilities of the OAM peer can be determined from the configuration field of the Local Information TLV of the most recently received Information OAMPDU with a Local Information TLV. All zeros are returned if no Local Information TLV has yet been received."

```
::= { asDot3OamPeerEntry 9 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3
```

```
asDot3OamPortStatsTable OBJECT-TYPE
```

```
SYNTAX SEQUENCE OF AsDot3OamPortStatsEntry
```

```
ACCESS not-accessible
```

```
STATUS mandatory
```

```
DESCRIPTION
```

"This table contains statistics for the OAM function on a particular interface. There is an entry in the table for every asDot3OamPortTable."

```
::= { asDot3OamGroup 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1
```

```
asDot3OamPortStatsEntry OBJECT-TYPE
```

```
SYNTAX AsDot3OamPortStatsEntry
```

```
ACCESS not-accessible
```

```
STATUS mandatory
```

```
DESCRIPTION
```

"An entry in the table containing statistics information on the Ethernet OAM function for a single interface. Entries are automatically created for every entry in the asDot3OamPortTable. Counters are maintained across transitions in asDot3OamPortStatus."

```
INDEX{ asDot3OamPortStatsNEAddress, asDot3OamPortStatsIfIndex }
```

```
::= { asDot3OamPortStatsTable 1 }
```

```
AsDot3OamPortStatsEntry ::=
```

```
SEQUENCE {
```

```
asDot3OamPortStatsIfIndex
```

```
InterfaceIndex,
```

```
asDot3OamPortStatsNEAddress
```

```
IpAddress,
```

```
asDot3OamInformationTx
```

```
Counter,
```

```
asDot3OamInformationRx
```

```
Counter,
```

```
asDot3OamUniqueEventNotifTx
```

```
Counter,
```

```

asDot3OamUniqueEventNotifRx
    Counter,
asDot3OamDuplicateEventNotifTx
    Counter,
asDot3OamDuplicateEventNotifRx
    Counter,
asDot3OamLoopbackControlTx
    Counter,
asDot3OamLoopbackControlRx
    Counter,
asDot3OamVariableRequestTx
    Counter,
asDot3OamVariableRequestRx
    Counter,
asDot3OamVariableResponseTx
    Counter,
asDot3OamVariableResponseRx
    Counter,
asDot3OamOrgSpecificTx
    Counter,
asDot3OamOrgSpecificRx
    Counter,
asDot3OamUnsupportedCodesTx
    Counter,
asDot3OamUnsupportedCodesRx
    Counter,
asDot3OamFramesLostDueToOam
    Counter
}

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.1
asDot3OamPortStatsIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asDot3OamPortStatsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.2
asDot3OamPortStatsNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asDot3OamPortStatsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.3
asDot3OamInformationTx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of Information OAMPDUs transmitted on the
        interface."
    ::= { asDot3OamPortStatsEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.4
asDot3OamInformationRx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of Information OAMPDUs received on the
        interface."
    ::= { asDot3OamPortStatsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.5
asDot3OamUniqueEventNotifTx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of unique Event OAMPDUs transmitted on the
        interface. Event Notifications may be sent in duplicate to
        increase the probability of successfully being received, given
        the possibility that a frame may be lost in transit. Duplicate
        Event Notification transmissions are counted by
        asDot3OamDuplicatedEventNotifTx.
        A unique Event Notification OAMPDU is indicated as an Event
        Notification OAMPDU with a Sequence Number field that is distinct
        from the previously transmitted Event Notification OAMPDU
        Sequence Number."
    ::= { asDot3OamPortStatsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.6
asDot3OamUniqueEventNotifRx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of unique Event OAMPDUs received on the
        interface. Event Notifications may be sent in duplicate to
        increase the probability of successfully being received, given
        the possibility that a frame may be lost in transit. Duplicate
        Event Notification receptions are counted by
        asDot3OamDuplicateEventNotifRx.
        A unique Event Notification OAMPDU is indicated as an Event
        Notification OAMPDU with a Sequence Nubmer field that is distinct
        from the previously received Event Notification OAMPDU Sequence
        Number."
    ::= { asDot3OamPortStatsEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.7
asDot3OamDuplicateEventNotifTx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of duplicate Event OAMPDUs transmitted on
        the interface. Event Notification OAMPDUs may be sent in
        duplicate to increase the probability of successfully being

```

received, given the possibility that a frame may be lost in transit.

A duplicate Event Notification OAMPDU is indicated as an Event Notification OAMPDU with a Sequence Number field that is identical to the previously transmitted Event Notification OAMPDU Sequence Number."

::= { asDot3OamPortStatsEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.8

asDot3OamDuplicateEventNotifRx OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"A count of the number of duplicate Event OAMPDUs received on the interface. Event Notification OAMPDUs may be sent in duplicate to increase the probability of successfully being received, given the possibility that a frame may be lost in transit.

A duplicate Event Notification OAMPDU is indicated as an Event Notification OAMPDU with a Sequence Number field that is identical to the previously received Event Notification OAMPDU Sequence Number."

::= { asDot3OamPortStatsEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.9

asDot3OamLoopbackControlTx OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"A count of the number of Loopback Control OAMPDUs transmitted on the interface."

::= { asDot3OamPortStatsEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.10

asDot3OamLoopbackControlRx OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"A count of the number of Loopback Control OAMPDUs received on the interface."

::= { asDot3OamPortStatsEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.11

asDot3OamVariableRequestTx OBJECT-TYPE

SYNTAX Counter

ACCESS read-only

STATUS mandatory

DESCRIPTION

"A count of the number of Variable Request OAMPDUs transmitted on the interface."

::= { asDot3OamPortStatsEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.12

```

asDot3OamVariableRequestRx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of Variable Request OAMPDUs received on
        the interface."
    ::= { asDot3OamPortStatsEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.13
asDot3OamVariableResponseTx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of Variable Response OAMPDUs transmitted
        on the interface."
    ::= { asDot3OamPortStatsEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.14
asDot3OamVariableResponseRx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of Variable Response OAMPDUs received on
        the interface."
    ::= { asDot3OamPortStatsEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.15
asDot3OamOrgSpecificTx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of Organization Specific OAMPDUs
        transmitted on the interface."
    ::= { asDot3OamPortStatsEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.16
asDot3OamOrgSpecificRx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "A count of the number of Organization Specific OAMPDUs received
        on the interface."
    ::= { asDot3OamPortStatsEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.17
asDot3OamUnsupportedCodesTx OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION

```

"A count of the number of OAMPDUs transmitted on the interface with an unsupported op-code."
 ::= { asDot3OamPortStatsEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.18
 asDot3OamUnsupportedCodesRx OBJECT-TYPE
 SYNTAX Counter
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "A count of the number of OAMPDUs received on the interface with an unsupported op-code."
 ::= { asDot3OamPortStatsEntry 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.3.1.19
 asDot3OamFramesLostDueToOam OBJECT-TYPE
 SYNTAX Counter
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "A count of the number of frames that were dropped by the OA multiplexer. Since the OAM multiplexer has multiple inputs and a single output, there may be cases where frames are dropped due to transmit resource contention. This counter is incremented whenever a frame is dropped by the OAM layer.
 Note that any Ethernet frame, not just OAMPDUs, may be dropped by the OAM layer. This can occur when an OAMPDU takes precedence over a 'normal' frame resulting in the 'normal' frame being dropped.
 When this counter is incremented, no other counters in this MIB are incremented."
 ::= { asDot3OamPortStatsEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4
 asDot3OamPortAlarmTable OBJECT-TYPE
 SYNTAX SEQUENCE OF AsDot3OamPortAlarmEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "This table contains alarm & status information of the interface."
 ::= { asDot3OamGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1
 asDot3OamPortAlarmEntry OBJECT-TYPE
 SYNTAX AsDot3OamPortAlarmEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "An entry in the table containing alarm & status information on the Ethernet OAM function for a single interface. Entries are automatically created for every entry in the asDot3OamPortTable."
 INDEX{ asDot3OamPortAlarmNEAddress, asDot3OamPortAlarmIfIndex }
 ::= { asDot3OamPortAlarmTable 1 }


```

AsDot3OamPortAlarmEntry ::=
    SEQUENCE {
        asDot3OamPortAlarmIfIndex
            InterfaceIndex,
        asDot3OamPortAlarmNEAddress
            IpAddress,
        asDot3OamPortLinkOamDown
            SeverityValue,
        asDot3OamPortLocalDyingGasp
            INTEGER,
        asDot3OamPortLocalCriticalEvent
            INTEGER,
        asDot3OamPortRemoteErroredSymbolEvent
            INTEGER,
        asDot3OamPortRemoteErroredFramePeriodEvent
            INTEGER,
        asDot3OamPortRemoteErroredFrameEvent
            INTEGER,
        asDot3OamPortRemoteErroredFrameSecondEvent
            INTEGER,
        asDot3OamPortRemoteLinkFault
            SeverityValue,
        asDot3OamPortRemoteDyingGasp
            SeverityValue,
        asDot3OamPortRemoteCriticalEvent
            SeverityValue
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.1
asDot3OamPortAlarmIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asDot3OamPortAlarmEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.2
asDot3OamPortAlarmNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "reserved."
    ::= { asDot3OamPortAlarmEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.3
asDot3OamPortLinkOamDown OBJECT-TYPE
    SYNTAX SeverityValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The alarm status of the OAM function status. When the Discovery
        State of the interface is not in SEND_ANY, the object becomes
        alarm state."
    ::= { asDot3OamPortAlarmEntry 3 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.4
asDot3OamPortLocalDyingGasp OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            normal(1),
            generated(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Generating Dying Gasp OAMPDU status.
        If the OAM entity sends the DyingGasp OAMPDUs, the object will
        return the value 'generated'."
    ::= { asDot3OamPortAlarmEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.5
asDot3OamPortLocalCriticalEvent OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            normal(1),
            generated(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Generating Critical Event OAMPDU status.
        If the OAM entity sends the CriticalEvent OAMPDUs, the object
        will return the value 'generated'."
    ::= { asDot3OamPortAlarmEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.6
asDot3OamPortRemoteErroredSymbolEvent OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            normal(1),
            received(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Receiving Errored Symbol Event OAMPDU status.
        If the OAM entity receives the ErroredSymbolEvent OAMPDUs from
        peer, the object will show the value 'received'."
    ::= { asDot3OamPortAlarmEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.7
asDot3OamPortRemoteErroredFramePeriodEvent OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            normal(1),
            received(2)
        }

```

ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Receiving Errored Frame Period Event OAMPDU status.
 If the OAM entity receives the ErroredFramePeriodEvent OAMPDUs
 from peer, the object will show the value 'received'."
 ::= { asDot3OamPortAlarmEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.8
 asDot3OamPortRemoteErroredFrameEvent OBJECT-TYPE
 SYNTAX INTEGER
 {
 invalid(0),
 normal(1),
 received(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Receiving Errored Frame Event OAMPDU status.
 If the OAM entity receives the ErroredFrameEvent OAMPDUs from
 peer, the object will show the value 'received'."
 ::= { asDot3OamPortAlarmEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.9
 asDot3OamPortRemoteErroredFrameSecondEvent OBJECT-TYPE
 SYNTAX INTEGER
 {
 invalid(0),
 normal(1),
 received(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Receiving Errored Frame Second Event OAMPDU status.
 If the OAM entity receives the ErroredFrameSecondEvent OAMPDUs
 from peer, the object will show the value 'received'."
 ::= { asDot3OamPortAlarmEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.10
 asDot3OamPortRemoteLinkFault OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Receiving Link Fault OAMPDU.
 If the OAM entity receives the LinkFault OAMPDUs from peer, the
 object will report Link Fault Alarm of the interface."
 ::= { asDot3OamPortAlarmEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.11
 asDot3OamPortRemoteDyingGasp OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory

DESCRIPTION

"Receiving DyingGasp OAMPDU.

If the OAM entity receives the DyingGasp OAMPDUs from peer, the object will report DyingGasp Alarm of the interface."

::= { asDot3OamPortAlarmEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.46.4.1.12

asDot3OamPortRemoteCriticalEvent OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Receiving Critical Event OAMPDU.

If the OAM entity receives the CriticalEvent OAMPDUs from peer, the object will report CriticalEvent Alarm of the interface."

::= { asDot3OamPortAlarmEntry 12 }

--

-- MIB-PNMSJ-IPASOLINK-100-200-DOT3OAM-MIB.my

--

END

Appendix 9: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-MSTP-MIB.my)

--

-- MIB-PNMSJ-IPASOLINK-100-200-MSTP-MIB.my

-- Friday, May 11, 2012

--

MIB-PNMSJ-IPASOLINK-100-200-MSTP-MIB DEFINITIONS ::= BEGIN

IMPORTS

Bridgeld

FROM BRIDGE-MIB

InterfaceIndex

FROM IF-MIB

enterprises, IpAddress

FROM RFC1155-SMI

OBJECT-TYPE

FROM RFC-1212

DisplayString

FROM RFC1213-MIB;

--

-- Type definitions

--

EnableDisableValue ::= INTEGER

{

invalid(0),

disable(1),

enable(2)

}

```
lpeBridgePriority ::= INTEGER (0..61440)
```

```
lpePortPathCost ::= INTEGER (0..200000000)
```

```
lpePortPriority ::= INTEGER (0..240)
```

```
lpePortRole ::= INTEGER
```

```
{
  invalid(0),
  disabled(1),
  alternate(2),
  backup(3),
  root(4),
  designated(5)
}
```

```
lpePortState ::= INTEGER
```

```
{
  invalid(0),
  disabled(1),
  blocking(2),
  listening(3),
  learning(4),
  forwarding(5),
  restricted(8),
  guarded(9)
}
```

```
lpeVlanList ::= OCTET STRING (SIZE(512..512))
```

```
--
-- Node definitions
--
```

```
-- 1.3.6.1.4.1.119
nec OBJECT IDENTIFIER ::= { enterprises 119 }
```

```
-- 1.3.6.1.4.1.119.2
nec-mib OBJECT IDENTIFIER ::= { nec 2 }
```

```
-- 1.3.6.1.4.1.119.2.3
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501
pasoNeolpe-common OBJECT IDENTIFIER ::= { ipasolink200 501 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3
alarmStatusGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44
asMstpGroup OBJECT IDENTIFIER ::= { alarmStatusGroup 44 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.1
asMstpBridgeCistTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsMstpBridgeCistEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "The Common and Internal Spanning Tree (CIST) Alarm/Status
        table."
    ::= { asMstpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.1.1
asMstpBridgeCistEntry OBJECT-TYPE
    SYNTAX AsMstpBridgeCistEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "A CIST Table Entry."
    INDEX{ asMstpBridgeCistNEAddress, asMstpBridgeCistIndex }
    ::= { asMstpBridgeCistTable 1 }

AsMstpBridgeCistEntry ::=
    SEQUENCE {
        asMstpBridgeCistIndex
            INTEGER,
        asMstpBridgeCistNEAddress
            IpAddress,
        asMstpBridgeCistRegionalRoot
            BridgeId,
        asMstpBridgeCistTopChanges
            Counter,
        asMstpBridgeCistRoot
            BridgeId
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.1.1.1
asMstpBridgeCistIndex OBJECT-TYPE
    SYNTAX INTEGER (1..1)
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asMstpBridgeCistEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.1.1.2
asMstpBridgeCistNEAddress OBJECT-TYPE
    SYNTAX IpAddress

```

```

ACCESS not-accessible
STATUS obsolete
DESCRIPTION
    "reserved."
::= { asMstpBridgeCistEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.1.1.3
asMstpBridgeCistRegionalRoot OBJECT-TYPE
    SYNTAX Bridgeld
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the CIST Regional Root Identifier parameter,
        i.e. the Bridge Identifier of the current CIST Regional Root."
    ::= { asMstpBridgeCistEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.1.1.4
asMstpBridgeCistTopChanges OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "MSTP Topology Changed Status. The total number of topology
        chagnes detected by this bridge since the equipment was last
        initialized."
    ::= { asMstpBridgeCistEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.1.1.5
asMstpBridgeCistRoot OBJECT-TYPE
    SYNTAX Bridgeld
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMstpBridgeCistEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.2
asMstpBridgeMstTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsMstpBridgeMstEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the MSTP Table. Each row in the Table
        represents information regarding a Bridge's Bridge Protocol
        Entity for the specified Spanning Tree instance.
        Entries in this table is retained across reinitializations of the
        management system."
    ::= { asMstpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.2.1
asMstpBridgeMstEntry OBJECT-TYPE
    SYNTAX AsMstpBridgeMstEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION

```

"A MSTP Table entry."
 INDEX{ asMstpBridgeMstNEAddress, asMstpBridgeMstIndex }
 ::= { asMstpBridgeMstTable 1 }

AsMstpBridgeMstEntry ::=
 SEQUENCE {
 asMstpBridgeMstIndex
 INTEGER,
 asMstpBridgeMstNEAddress
 IpAddress,
 asMstpBridgeMstRegionalRoot
 BridgId,
 asMstpBridgeMstTopChanges
 Counter
 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.2.1.1
 asMstpBridgeMstIndex OBJECT-TYPE
 SYNTAX INTEGER (1..4)
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "In an MSTP Bridge, this parameter is the MSTID, i.e. the
 identifier of a Spanning Tree (or MST) Instance."
 ::= { asMstpBridgeMstEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.2.1.2
 asMstpBridgeMstNEAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS not-accessible
 STATUS obsolete
 DESCRIPTION
 "reserved."
 ::= { asMstpBridgeMstEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.2.1.3
 asMstpBridgeMstRegionalRoot OBJECT-TYPE
 SYNTAX BridgId
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "In an MSTP Bridge, the Designated Root parameter value, i.e. the
 Bridge Identifier of the Root Bridge for the MSTI."
 ::= { asMstpBridgeMstEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.2.1.4
 asMstpBridgeMstTopChanges OBJECT-TYPE
 SYNTAX Counter
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "In an MSTP Bridge, count of the times tcWhile has been
 non-zero for any Port for the MSTI since the Bridge was powered
 on or initialized."
 ::= { asMstpBridgeMstEntry 4 }


```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3
asMstpPortCistTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsMstpPortCistEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "The CIST Port Table. Each row in the Table represents
        information regarding a specific Port within the Bridge's Bridge
        Protocol Entity, for the CIST."
    ::= { asMstpGroup 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1
asMstpPortCistEntry OBJECT-TYPE
    SYNTAX AsMstpPortCistEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "A CIST Port Table entry."
    INDEX{ asMstpPortCistNEAddress, asMstpPortCistIfIndex }
    ::= { asMstpPortCistTable 1 }
```

```
AsMstpPortCistEntry ::=
    SEQUENCE {
        asMstpPortCistIfIndex
            InterfaceIndex,
        asMstpPortCistNEAddress
            IpAddress,
        asMstpPortCistRole
            lpePortRole,
        asMstpPortCistState
            lpePortState,
        asMstpPortCistRegionalRoot
            BridgId,
        asMstpPortCistProtoVersion
            INTEGER,
        asMstpPortCistPathCost
            INTEGER,
        asMstpPortCistInvalidBpdu
            INTEGER,
        asMstpPortCistDesignatedPathCost
            INTEGER,
        asMstpPortCistDesignatedBridge
            BridgId,
        asMstpPortCistDesignatedPort
            OCTET STRING,
        asMstpPortCistForwardTransitions
            Counter,
        asMstpPortCistOperEdgePort
            INTEGER
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.1
asMstpPortCistIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS not-accessible
```

```

STATUS mandatory
DESCRIPTION
    "Index of this table."
::= { asMstpPortCistEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.2
asMstpPortCistNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS obsolete
    DESCRIPTION
        "reserved."
    ::= { asMstpPortCistEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.3
asMstpPortCistRole OBJECT-TYPE
    SYNTAX IpePortRole
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The current Port Role for the Port (i.e., Root, Alternate,
        Designated, or Backup), for the CIST."
    ::= { asMstpPortCistEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.4
asMstpPortCistState OBJECT-TYPE
    SYNTAX IpePortState
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the current state of the Port (i.e.,
        Disabled, Listening, Learning, Forwarding, or Blocking), for the
        MSTI."
    ::= { asMstpPortCistEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.5
asMstpPortCistRegionalRoot OBJECT-TYPE
    SYNTAX Bridgeld
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the CIST Regional Root Identifier, i.e. the
        Bridge Identifier of the current CIST Regional Root, for the
        CIST."
    ::= { asMstpPortCistEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.6
asMstpPortCistProtoVersion OBJECT-TYPE
    SYNTAX INTEGER
    {
        invalid(0),
        stp(1),
        rstp(2),
        mstp(3)
    }

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "In an MSTP Bridge, the current version of xSTP Protocol for the
    Port."
::= { asMstpPortCistEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.7
asMstpPortCistPathCost OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the CIST Path Cost parameter, i.e. the
        CISTpath cost from the transmitting Bridge to the CIST Regional
        Root. The sum (about 20 possible out of the given range) of
        multiple port path costs. Also, if the 'transmitting Bridge' is
        the 'CIST Regional Root', then this value could be zero."
    ::= { asMstpPortCistEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.8
asMstpPortCistInvalidBpdu OBJECT-TYPE
    SYNTAX INTEGER { invalid(0) }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { asMstpPortCistEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.9
asMstpPortCistDesignatedPathCost OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the CIST Path Cost parameter, i.e. the CIST
        path cost from the transmitting Bridge to the CIST Regional Root.
        The sum (about 20 possible out of the given range) of multiple
        port path costs. Also, if the 'transmitting Bridge' is the 'CIST
        Regional Root', then this value could be zero."
    ::= { asMstpPortCistEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.10
asMstpPortCistDesignatedBridge OBJECT-TYPE
    SYNTAX Bridged
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the Designated Root parameter value, i.e. the
        Bridge Identifier of the Root Bridge for the MSTI."
    ::= { asMstpPortCistEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.11
asMstpPortCistDesignatedPort OBJECT-TYPE
    SYNTAX OCTET STRING

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "The CIST Regional Root Identifier component of the Port's port
    priority vector for the CIST."
::= { asMstpPortCistEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.12
asMstpPortCistForwardTransitions OBJECT-TYPE
    SYNTAX Counter
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The number of times this port has transitioned from the Learning
        state to the Forwarding state."
    ::= { asMstpPortCistEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.3.1.13
asMstpPortCistOperEdgePort OBJECT-TYPE
    SYNTAX INTEGER
        {
            alarmOff(0),
            alarmOn(1)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "The operational value of the Edge Port parameter.
        If the port whose 'provMstpPortCistEdgePort' is 'enable' receives
        the BPDU, the object will be changed to alarmOn.
        When the 'provMstpPortCistEdgePort' is 'disable', the object
        always shows 'alarmOff'."
    ::= { asMstpPortCistEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4
asMstpPortMstTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AsMstpPortMstEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "The MSTP Port Table. Each row in the Table represents
        information
        regarding a specific Port within the Bridge's Bridge Protocol
        Entity, for a given MSTI."
    ::= { asMstpGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1
asMstpPortMstEntry OBJECT-TYPE
    SYNTAX AsMstpPortMstEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "A MSTP Port Table entry."
    INDEX{ asMstpPortMstNEAddress, asMstpPortMstIfIndex, asMstpPortMstIndex }
    ::= { asMstpPortMstTable 1 }

```

```

AsMstpPortMstEntry ::=
    SEQUENCE {
        asMstpPortMstIfIndex
            InterfaceIndex,
        asMstpPortMstIndex
            INTEGER,
        asMstpPortMstNEAddress
            IpAddress,
        asMstpPortMstRole
            lpePortRole,
        asMstpPortMstState
            lpePortState,
        asMstpPortMstRegionalRoot
            BridgeId,
        asMstpPortMstPathCost
            INTEGER,
        asMstpPortMstDesignatedPathCost
            INTEGER,
        asMstpPortMstDesignatedBridge
            BridgeId,
        asMstpPortMstDesignatedPort
            OCTET STRING
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.1
asMstpPortMstIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Index of this table. The object represents the interface."
    ::= { asMstpPortMstEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.2
asMstpPortMstIndex OBJECT-TYPE
    SYNTAX INTEGER (1..4)
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, this parameter is the MSTID, i.e. the
        identifier of a Spanning Tree (or MST) Instance."
    ::= { asMstpPortMstEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.3
asMstpPortMstNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS not-accessible
    STATUS obsolete
    DESCRIPTION
        "reserved."
    ::= { asMstpPortMstEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.4
asMstpPortMstRole OBJECT-TYPE
    SYNTAX lpePortRole

```

```

ACCESS read-only
STATUS mandatory
DESCRIPTION
    "In an MSTP Bridge, the current Port Role for the Port (i.e.,
    Root, Alternate, Designated, or Backup), for the MSTI."
::= { asMstpPortMstEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.5
asMstpPortMstState OBJECT-TYPE
    SYNTAX IpePortState
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the current state of the Port (i.e.,
        Disabled, Listening, Learning, Forwarding, or Blocking), for the
        MSTI."
    ::= { asMstpPortMstEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.6
asMstpPortMstRegionalRoot OBJECT-TYPE
    SYNTAX Bridgeld
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the Regional Root Identifier component of the
        Port's MSTI port priority vector for the MSTI."
    ::= { asMstpPortMstEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.7
asMstpPortMstPathCost OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the Port's Port Path Cost parameter value for
        the MSTI."
    ::= { asMstpPortMstEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.8
asMstpPortMstDesignatedPathCost OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the Internal Root Path Cost component of the
        Port's MSTI port priority vector for the MSTI."
    ::= { asMstpPortMstEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.9
asMstpPortMstDesignatedBridge OBJECT-TYPE
    SYNTAX Bridgeld
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "In an MSTP Bridge, the Designated Bridge Identifier component of

```

the Port's MSTI port priority vector for the MSTI."
::= { asMstpPortMstEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.3.44.4.1.10

asMstpPortMstDesignatedPort OBJECT-TYPE

SYNTAX OCTET STRING

ACCESS read-only

STATUS mandatory

DESCRIPTION

"In an MSTP Bridge, the Designated Port Identifier component of
the Port's MSTI port priority vector for the MSTI."

::= { asMstpPortMstEntry 10 }

END

--

-- MIB-PNMSJ-IPASOLINK-100-200-MSTP-MIB.my

--

Appendix 10: iPASOLINK 100/200 MIB Definition (MIB-PNMSJ-IPASOLINK-100-200-PW-MIB)

```
--
-- MIB-PNMSJ-IPASOLINK-100-200-PW-MIB.my
-- Monday, August 29, 2011
--

MIB-PNMSJ-IPASOLINK-100-200-PW-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        enterprises, IpAddress
            FROM RFC1155-SMI
        DisplayString
            FROM RFC1213-MIB;

--
-- Type definitions
--

IpePwIndex ::= INTEGER (1..2147483647)

RowStatus ::= INTEGER
{
    active(1),
    notInService(2),
    notReady(3),
    createAndGo(4),
    createAndWait(5),
    destroy(6)
}

IpeAtmVpi ::= INTEGER (0..255)

IpeAtmVci ::= INTEGER (32..65535)

IpeEnableDisableValue ::= INTEGER
{
    invalid(0),
    disabled(1),
    enabled(2)
}

IpeVlanIndex ::= INTEGER (1..4094)

MacAddress ::= OCTET STRING (SIZE (6))

IpeExpBitValue ::= INTEGER (0..7)

IpeLabelIndex ::= INTEGER (0..1048575)

IpeVlanIndexOrZero ::= INTEGER (0..4094)
```



```

--
-- Node definitions
--

-- 1.3.6.1.4.1.119
nec OBJECT IDENTIFIER ::= { enterprises 119 }

-- 1.3.6.1.4.1.119.2
nec-mib OBJECT IDENTIFIER ::= { nec 2 }

-- 1.3.6.1.4.1.119.2.3
necProductDepend OBJECT IDENTIFIER ::= { nec-mib 3 }

-- 1.3.6.1.4.1.119.2.3.69
radioEquipment OBJECT IDENTIFIER ::= { necProductDepend 69 }

-- 1.3.6.1.4.1.119.2.3.69.203
commonPnms OBJECT IDENTIFIER ::= { radioEquipment 203 }

-- 1.3.6.1.4.1.119.2.3.69.203.502
ipasolink200 OBJECT IDENTIFIER ::= { commonPnms 502 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501
pasoNeolpe-common OBJECT IDENTIFIER ::= { ipasolink200 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5
provisioningGroup OBJECT IDENTIFIER ::= { pasoNeolpe-common 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42
provPwGroup OBJECT IDENTIFIER ::= { provisioningGroup 42 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4
provPwTdmLineTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvPwTdmLineEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPwGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4.1
provPwTdmLineEntry OBJECT-TYPE
    SYNTAX ProvPwTdmLineEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provPwTdmLineNEAddress, provPwTdmLineIfIndex }
    ::= { provPwTdmLineTable 1 }

```

```

ProvPwTdmLineEntry ::=
  SEQUENCE {
    provPwTdmLineIfIndex
      InterfaceIndex,
    provPwTdmLineNEAddress
      IpAddress,
    provPwTdmLineFrameMode
      INTEGER,
    provPwTdmLineCasMode
      IpeEnableDisableValue,
    provPwTdmLineCrc4Mode
      IpeEnableDisableValue,
    provPwTdmLineJtrBfrDepth
      INTEGER,
    provPwTdmLineDstMacCheck
      IpeEnableDisableValue
  }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4.1.1
provPwTdmLineIfIndex OBJECT-TYPE
  SYNTAX InterfaceIndex
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  ::= { provPwTdmLineEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4.1.2
provPwTdmLineNEAddress OBJECT-TYPE
  SYNTAX IpAddress
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  ::= { provPwTdmLineEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4.1.3
provPwTdmLineFrameMode OBJECT-TYPE
  SYNTAX INTEGER
  {
    invalid(0),
    unframed(1),
    framed(2)
  }
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION
    " "
  DEFVAL { unframed }
  ::= { provPwTdmLineEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4.1.4
provPwTdmLineCasMode OBJECT-TYPE
  SYNTAX IpeEnableDisableValue
  ACCESS read-only

```

```

STATUS mandatory
DESCRIPTION
    " "

DEFVAL { disabled }
::= { provPwTdmLineEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4.1.5
provPwTdmLineCrc4Mode OBJECT-TYPE
    SYNTAX IpeEnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { disabled }
    ::= { provPwTdmLineEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4.1.6
provPwTdmLineJtrBfrDepth OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            jtr2ms(1),
            jtr4ms(2),
            jtr8ms(3),
            jtr16ms(4),
            jtr32ms(5),
            jtr64ms(6),
            jtr128ms(7)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { jtr8ms }
    ::= { provPwTdmLineEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.4.1.7
provPwTdmLineDstMacCheck OBJECT-TYPE
    SYNTAX IpeEnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { enabled }
    ::= { provPwTdmLineEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5
provPwTdmTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvPwTdmEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provPwGroup 5 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1
provPwTdmEntry OBJECT-TYPE
    SYNTAX ProvPwTdmEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "

    INDEX { provPwTdmNEAddress, provPwTdmPwIndex }
    ::= { provPwTdmTable 1 }

```

```

ProvPwTdmEntry ::=
    SEQUENCE {
        provPwTdmPwIndex
            IpePwIndex,
        provPwTdmNEAddress
            IpAddress,
        provPwTdmIfIndex
            InterfaceIndex,
        provPwTdmRtpHdrUsed
            IpeEnableDisableValue,
        provPwTdmFrameLength
            INTEGER,
        provPwTdmEncapMode
            INTEGER,
        provPwTdmRowStatus
            RowStatus,
        provPwTdmAdaptiveClkSource
            IpeEnableDisableValue
    }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1.1
provPwTdmPwIndex OBJECT-TYPE
    SYNTAX IpePwIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provPwTdmEntry 1 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1.2
provPwTdmNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provPwTdmEntry 2 }

```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1.3
provPwTdmIfIndex OBJECT-TYPE
    SYNTAX InterfaceIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provPwTdmEntry 3 }

```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1.4
provPwTdmRtpHdrUsed OBJECT-TYPE
    SYNTAX IpeEnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { disabled }
    ::= { provPwTdmEntry 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1.5
provPwTdmFrameLength OBJECT-TYPE
    SYNTAX INTEGER (1..8)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { 8 }
    ::= { provPwTdmEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1.6
provPwTdmEncapMode OBJECT-TYPE
    SYNTAX INTEGER
        {
            invalid(0),
            tdmOverEther(1),
            tdmOverMpls(2)
        }
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { tdmOverEther }
    ::= { provPwTdmEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1.7
provPwTdmRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    ::= { provPwTdmEntry 7 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.5.1.8
provPwTdmAdaptiveClkSource OBJECT-TYPE
    SYNTAX IpeEnableDisableValue
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "

    DEFVAL { disabled }
    ::= { provPwTdmEntry 8 }
```

```

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11
provPwOverEthTable OBJECT-TYPE
    SYNTAX SEQUENCE OF ProvPwOverEthEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPwGroup 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11.1
provPwOverEthEntry OBJECT-TYPE
    SYNTAX ProvPwOverEthEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        " "
    INDEX { provPwOverEthNEAddress, provPwOverEthPwIndex }
    ::= { provPwOverEthTable 1 }

ProvPwOverEthEntry ::=
    SEQUENCE {
        provPwOverEthPwIndex
        IpePwIndex,
        provPwOverEthNEAddress
        IpAddress,
        provPwOverEthVlanId
        IpeVlanIndex,
        provPwOverEthCosValue
        INTEGER,
        provPwOverEthEcid
        INTEGER,
        provPwOverEthName
        DisplayString,
        provPwOverEthDstMacAddress
        MacAddress
    }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11.1.1
provPwOverEthPwIndex OBJECT-TYPE
    SYNTAX IpePwIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPwOverEthEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11.1.2
provPwOverEthNEAddress OBJECT-TYPE
    SYNTAX IpAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPwOverEthEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11.1.3

```

```

provPwOverEthVlanId OBJECT-TYPE
    SYNTAX IpeVlanIndex
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPwOverEthEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11.1.5
provPwOverEthCosValue OBJECT-TYPE
    SYNTAX INTEGER (0..7)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { 5 }
    ::= { provPwOverEthEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11.1.6
provPwOverEthEcid OBJECT-TYPE
    SYNTAX INTEGER (1..1048575)
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPwOverEthEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11.1.7
provPwOverEthName OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..32))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    DEFVAL { "h" }
    ::= { provPwOverEthEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.502.501.5.42.11.1.8
provPwOverEthDstMacAddress OBJECT-TYPE
    SYNTAX MacAddress
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        " "
    ::= { provPwOverEthEntry 8 }

```

END

```

--
-- MIB-PNMSJ-IPASOLINK-100-200-PW-MIB.my
--

```