NWD-121867-07E

NEC

P ASOLINK

N ETWORK

M ANAGEMENT

S YSTEM

Northbound
SNMP Interface Specification
for PNMSj
iPASOLINK 400

NEC Corporation

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1 Introduction

This document describes in detail the interface between the PNMS and the higher-level manager for iPASOLINK 400 radio equipment. This describes the iPASOLINK 400 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 400 MIB

This section describes in detail iPASOLINK 400 MIB. The objective of this section is to show MIB definition of IPASOLINK 400 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 400 equipment for the higher-level manager is mainly comprised of following two object ID's (system5 and pasoNeoIpe-common).

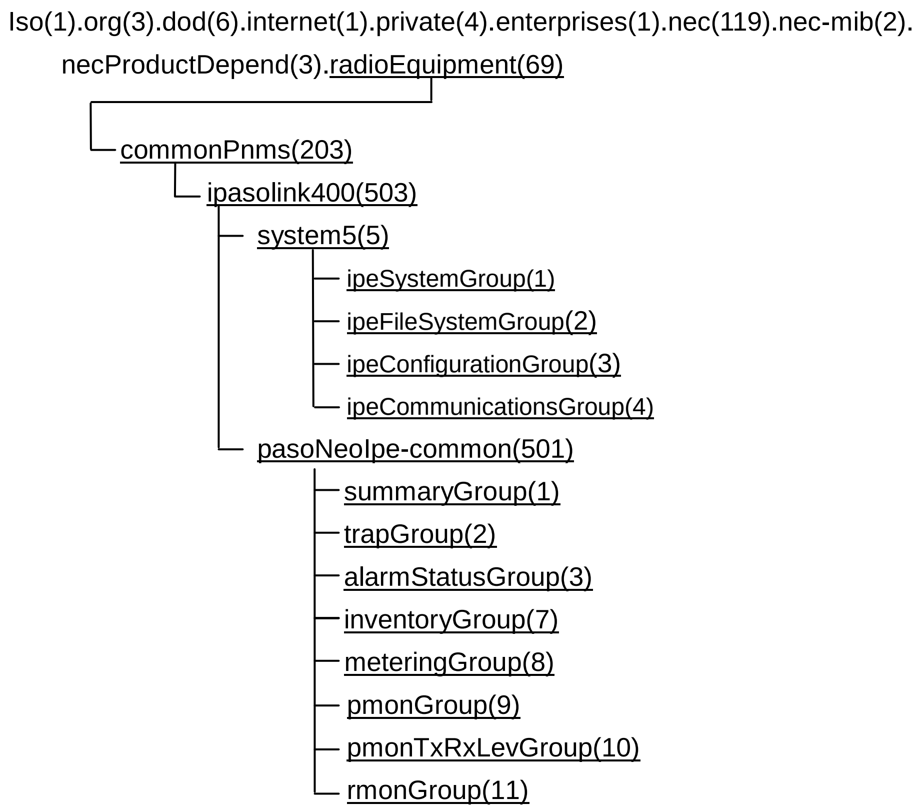
Iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).nec(119).nec-mib(2).
necProductDepend(3).radioEquipment(69)
commonPnms(203)
ipasolink400(503)
system5(5)
ipeSystemGroup(1)
ipeFileSystemGroup(2)
ipeConfigurationGroup(3)
ipeCommunicationsGroup(4)
pasoNeoIpe-common(501)
summaryGroup(1)
trapGroup(2)
alarmStatusGroup(3)
inventoryGroup(7)
meteringGroup(8)
pmonGroup(9)
pmonTxRxLevGroup(10)
rmonGroup(11)

Figure 1 iPASOLINK 400 MIB Tree (1)

2.1 system5

This group includes the system information of the detailed MIB object of iPASOLINK 400 equipment.

Following is a detailed list of system5 which is supported by upper SNMP function of iPASOLINK 400. Please refer to appendix for further details with regards to each file name shown in the list.

File Name	Table Name
MIB-PNMSJ-IPASOLINK-400-SYSTEM-MIB.my	ipeSysInfoTable
	ipeSysOpTimeTable
	ipeSysOpFileDownloadTable
	ipeSysOpProgramPmonRmonClearTable
	ipeFsFileInfoTable
	ipeFsUsbInfoTable
	ipeCfgSystemTable
	ipeCfgAuxInTable
	ipeCfgAuxOutTable
	ipeCfgNtpServiceTable
	ipeCfgNtpServerTable
	ipeCfgFtpServerTable
	ipeCfgSftpServerTable
	ipeCfgHttpServerTable
	ipeCfgHttpsServerTable
	ipeCfgSnmpServerTable
	ipeCfgSnmpCommunityTable
	ipeCfgSnmpTrapTable
	ipeCfgAccountUserInfoTable
	ipeCfgAccountGroupInfoTable
	ipeCfgUserAccountAuthTable
	ipeCfgPortLctTable
	ipeCfgPortEtherTable
	ipeCfgPortNe2Table
	ipeCfgPortE1Table
	ipeCfgPortInbandTable
	ipeCfgPortMainEtherTable
	ipeCfgBridgeTable
	ipeCfgBridgePortTable
	ipeCfgNaptTable
	ipeCfgStaticRouteTable
	ipeCfgAccessListRuleTable
	ipeCfgAccessListInputTable
	ipeCfgAccessListForwardTable
	ipeCfgRadiusGeneralTable
	ipeCfgRadiusAuthServerExtTable
	ipeCfgRadiusPrivLevelGeneralTable
	ipeCfgRadiusGroupPrivLevelMappingTable
	ipeCfgLldpTable
	ipeCfgMgmtTrafficControlTable
	ipeCfgSysNE1PortTable
	ipeNeighborInfoTable
MIB-PNMSJ-IPASOLINK-400-CASCADE-MIB.my	ipeCfgCascadeTable
	ipeCfgCascadeShelfTable
MIB-PNMSJ-IPASOLINK-400-DHCP-MAIN-MIB.my	ipeCfgDhcpMainServerTable
	ipeCfgDhcpMainRegisteredMacTable

2.1.1 ipeSystemGroup

The object ID’s in this group defines summary (total) status of agent (PASOLINK 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 400 450:iPASOLINK 400A 501-502:iPASOLINK SX 520:iPASOLINK EX 1000:iPASOLINK 1000 5000:5000iP Series	-
ipeSysPmType	Number of Branch. 2-13. 1=normalNE mode. 1!=branchNE mode (2<= ipeSysPmType <= 20).	-

ipeSysOpTimeTable

Object Name	Item	Trap Type
ipeSysOpTimeIndex	The value is fixed at 1.	-
ipeSysOpTimeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeSysOpCurrentTime	Current time.	Control

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 Parameter 4:FPGA (Option) 5:FPGA (Main Board) 7:Software Key 8:Network Config. 9:Equipment Config. 10:User Config. 11:SSL Certificate 18:F/W (Option) *'0:Invalidity' is used as an initial state.	Status
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.	Status

	*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 ipeFsUpdateFileStatusis(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.	
ipeSysOpFileDownloadProtocolType	Kind of protocol, 0: Invalid 1: FTP 2: SFTP 3: HTTP *'0:Invalidity' is used as an initial state. *Pertinent details: ipeSysOpFileDownloadCtrl	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	Control
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	Type for acquisition 0:Invalidity 1: IDU 2: ODU 3: MODEM Parameter 4: FPGA(Other slot) 5: FPGA(Ctrl) 6: MSE 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) 18: Card Firmware *'0:Invalidity' is used as an initial state. *Pertinent details: ipeFsFileListCurrent *Pertinent details: ipeFsFileListTemp	-
ipeFsFileListCurrent	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. Ex) FilePath1/FileName1,size,CRC FilePath2/FileName2,size,CRC... [Indispensable condition] *ipeFsFileListType setup is indispensable.	-
ipeFsFileListTemp	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. Ex) Filename1,size,CRC Filename2,size,CRC...	-

	[Indispensable condition] *ipeFsFileListType setup is indispensable.	
ipeFsUpdateFileDetail	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 ipeFsUpdateFileStatusis(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.	Control
ipeFsUpdateFileStatus	Update result. 0:Invalidity 1:Success 2:Failed 3:Executing 4:Checking 5:Success without Restricted User *'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	Status
ipeFsUpdateFileStatusDetail	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] : Main Card OCT[1] : Universal Slot01 Card OCT[2] : Universal Slot02 Card OCT[3] : Universal Slot03 Card	-

	OCT[4] : Universal Slot04 Card OCT[33]: ODU1 OCT[34]: ODU2 OCT[35]: ODU3 OCT[36]: ODU4 *Pertinent details: ipeSysOpFileDownloadCtrl *Pertinent details: ipeFsUpdateFileDetail *Pertinent details: ipeFsUsbCommand	
ipeFsUpdateFileProgressBase	Progress of update (denominator). *Pertinent details: ipeSysOpFileDownloadModule *Pertinent details: ipeFsUpdateFileStatus	-
ipeFsUpdateFileProgress	Progress of update (molecule). *Pertinent details: ipeSysOpFileDownloadModule *Pertinent details: ipeFsUpdateFileStatus	-
ipeFsUpdateFileUpdateList	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. 1 : Universal Slot01 Card 2 : Universal Slot02 Card 3 : Universal Slot03 Card 4 : Universal Slot04 Card 33: ODU1 34: ODU2 35: ODU3 36: ODU4 *Pertinent details: ipeFsUpdateFileDetail	-
ipeFsUpdateFileConfigPartial	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	Control

	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 = '00011101010000000000000000000000'	

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	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(Main Card) 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 ipeFsUpdateFileStatusis (3:Executing), (0:DL) is invalid. *When ipeFsUsbProcStatus is (2:Normal :Process executing), (0:DL) is invalid.	
ipeFsUsbProcStatus	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	Status
ipeFsUsbList	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...	-
ipeFsUsbConnectStatus	Status of connection USB memory. 1:Connect 2:Not connect	Status

2.1.3 ipeConfigurationGroup

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

ipeCfgSystemTable

Object Name	Item	Trap Type
ipeCfgSystemIndex	The value is fixed at 1.	-
ipeCfgSystemNEAddress	PASOLINK NE IP Address (used as index of this table)	-
ipeCfgNeName	NE Name PASOLINK unit name. White space characters are not allowed for head or tail of characters.	Control

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	Poll Time NTP Polling Time, in seconds as a power of two. For instance, a value of six indicates a interval of 64 seconds. Note) The value less than 6 is rejected by the agent because of the system recommendation. iPASOLINK 200/400/1000 series : R3.5 or later. iPASOLINK AOR : R1.0 or later. 0:Invalid 4:16s 5:32s 6:1min 4s (64s) 7:2min 8s (128s) 8:4min 16s (256s)	Control

	9:8min 32s (512s) 10:17min 4s (1024s) 11:34min 8s (2048s) 12:1h 8min 16s (4096s) 13:2h 16min 32s (8192s) 14:4h 33min 4s (16384s) 15:9h 6min 8s (32768s) 16:18h 12min 16s (65536s) 17:36h 24min 32s (131072s)	

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	Control
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

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:ServiceDisable 2:ServiceEnable 3:AlwaysEnable	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	-
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	-
ipeCfgSnmpServerPort	A UDP port number to receive all SNMP Request-PDU. The reboot of the system is necessary to reflect setting. 1-65535	-

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	An IP Address which is permitted to use this entry's community name. The following address can't be used.	Control

	127.0.0.0/8 Loopback 224.0.0.0/4 Multicasts (former Class D) 240.0.0.0/4 Reserved (former Class E)	
ipeCfgSnmpCommunityAccessPrefixLength	1:active 4:createAndGo 6:destroy 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 ipeCfgSnmpCommunityAccessMask ipeCfgSnmpCommunityRowStatus <- createAndGo(4) ipeCfgSnmpCommunityIndex 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. < Attention > You have to restart equipment to apply this entry(creating, deleting) to actual movement.	Control

ipeCfgSnmpTrapTable

Object Name	Item	Trap Type
ipeCfgSnmpTrapEntryIndex	The value is fixed at 1.	-
ipeCfgSnmpTrapEntryNEAddress	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.	Control

	0: Invalid 1: trap 2: inform	
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 3: authPriv	Control
ipeCfgSnmpTrapEngineId	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.	Control
ipeCfgSnmpTrapAuthAlgorithm	Authentication protocol. 0: Invalid	Control

	1: md5 2: sha 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.	
ipeCfgSnmpTrapAuthKey	Authenticate password(plane text) encrypted by blowfish. SIZE of SYNTAX is data length after the coding. SYNTAX after the decoding is DisplayString (SIZE(8..31)). 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.	Control
ipeCfgSnmpTrapPrivAlgorithm	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. 0: Invalid 1: des 2: aes	Control
ipeCfgSnmpTrapPrivKey	Privacy password(plane text) encrypted by blowfish. SIZE of SYNTAX is data length after the coding. SYNTAX after the decoding is DisplayString (SIZE(8..31)) . 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 ipeCfgAccountUserSnmpV3PrivKey is acquired at time to get.	Control

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.	Control

	Please use ASCII code. The characters which can be used are '-', '_','0'-'9', 'a'-'z' and 'A'-'Z'.	
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
ipeCfgAccountUserSnmpV3PrivKey	Cipher password(plane text) encrypted by blowfish. Setting for SET/GET/TRAP at the time of the SNMPv3 use(INFORM is inapplicable)	Control
ipeCfgAccountUserRowStatus	1: active 4: createAndGo 6: destroy 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) modifing 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.	

ipeCfgAccountGroupInfoTable

Object Name	Item	Trap Type
ipeCfgAccountGroupIndex	1-10	-
ipeCfgAccountGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAccountGroupName	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'.	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	1: active 4: createAndGo 6: destroy 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 <- 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. 3) modifing a entry It is not possible. Please destroy a exist row, and create a new row.	-

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:Mode1 2:Mode2 3:Mode3	Control
ipeCfgUserAccountAuthOrder	Authentication Sequence 0:Invalid 1:LocalAuthFirst 2:ExternalAuthFirst	Control
ipeCfgUserAccountAuthTrapLocal	Login Result 0:Invalid 1:Success 2:Failure	Control
ipeCfgUserAccountAuthTrapExternal	Login Result 0:Invalid 1:Success 2:Failure	Control

ipeCfgPortGroup ipeCfgPortLctTable

Object Name	Item	Trap Type
ipeCfgPortLctIfIndex	1-13	-
ipeCfgPortLctNEAddress	iPASOLINK NE IP Address (used as index of this table)	-

ipeCfgPortGroup ipeCfgPortEtherTable

Object Name	Item	Trap Type
ipeCfgPortEtherIfIndex	Index Type is “ifindex”. NMS Port: 31 NE1 Port: 32 LCT Port: 2	-
ipeCfgPortEtherNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortEtherEnable	NMS Port Usage Effective/invalid setting of NMS/NE1 port. value range: enabled(1) disabled(2) 1:Enabled 2:Disabled	Control
ipeCfgPortEtherAutoNeg	NMS Port Auto Negotiation Auto negotiation invalid effective/setting of NMS/NE1 port. value range: enabled(1) disabled(2) 1:Enabled 2:Disabled	Control
ipeCfgPortEtherSpecialFilter	Connect NMS Port to NMS Setting of whether a special broadcast packet is blocked. 1:True 2:False	Control
ipeCfgPortEtherLldpMode	LLDP Mode 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. 0:Invalid 1:StandardMode 2:ProprietaryMode	Control

ipeCfgPortGroup ipeCfgPortNe2Table

Object Name	Item	Trap Type
ipeCfgPortNe2IfIndex	Index Type is “ifindex”. NE2 Port: 4	-
ipeCfgPortNe2NEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortNe2IpAddress	NE2 Port IP Address NE2 port IP Address. value range:0x00000000 -	Control

	0xdfffffff(0.0.0.0 - 223.255.255.255) The ppp function is restarted when setting it.	
ipeCfgPortNe2Enable	NE2 Port Usage NE2 port enable. value range:enabled(1) disabled(2) 1:Enabled 2:Disabled	Control
ipeCfgPortNe2Speed	NE2 Port Speed NE2 port baud rate. value range:9600bps(9600) 19200bps(19200) The ppp function is restarted when setting it. 9600:speed9600 19200:speed19200	Control

ipeCfgPortGroup ipeCfgPortE1Table

Object Name	Item	Trap Type
ipeCfgPortE1IfIndex	Index Type is “ifindex”. E1 Port: 33	-
ipeCfgPortE1NEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortE1Enable	E1 Port Usage Effective/invalid setting of E1 port. value range: enabled(1) disabled(2)" 1:Enabled 2:Disabled	Control
ipeCfgPortE1ChannelNumber	E1 Port CH Use channel of E1 port. value range:1 to 16	Control

ipeCfgPortGroup ipeCfgPortInbandTable

Object Name	Item	Trap Type
ipeCfgPortInbandIfIndex	IfIndex(Inband)	-
ipeCfgPortInbandNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgPortInbandEnable	Inband Management VLAN Usage Effective/invalid setting of INBAND Management VLAN port. value range: enabled(1) disabled(2) 1:Enabled 2:Disabled	Control
ipeCfgPortInbandVlanId	VLAN ID 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 Range:1 Port Number 1-4 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	IPAddress set to bridge. A set value becomes a binary. Value range:0x00000000 - 0xdfffffff(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, 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. 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.	-
ipeCfgBridgeNetMask	Netmask set to bridge. A set value becomes a binary. Value range:0x00000000 - 0xfffffffc(0 - 30bit) There can not be relation and it sets, and it refer the number of branch.	Control

ipeCfgBridgeGroup ipeCfgBridgePortTable

Object Name	Item	Trap Type
ipeCfgBridgePortIfIndex	Index Type is “ifindex”. NMS Port: 31 NE1 Port: 32 E1 Port: 33 MODEM1 Port: 41 MODEM2 Port: 42 MODEM3 Port: 43 MODEM4 Port: 44 Inband(Main Card GbE Port1-4,Univ.-Slot GbE Port1-4)	-
ipeCfgBridgePortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgBridgePortBridgeIndex	Bridge No. Index value of bridge.	Control

ipeCfgNaptGroup ipeCfgNaptTable

Object Name	Item	Trap Type
ipeCfgNaptIndex	The value is fixed at 1.	-
ipeCfgNaptNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgNaptEnable	Restrict LCT Connection Address translation invalid effective/setting by NAPT. value range: enabled disabled 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:0x00000000-0xfffffffc(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.	Control

	A set value becomes a binary. Value range:0x80000000 - 0xdfffffff(0.0.0.1 - 223.255.255.255) The value acquisition when unsetting it returns NoSuchObject.	

ipeCfgAccessListGroup ipeCfgAccessListRuleTable

Object Name	Item	Trap Type
ipeCfgAccessListRuleEnableIndex	The value is fixed at 1.	-
ipeCfgAccessListRuleNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAccessListInputRuleEnable	Input Filter Rule IP Access Control Input Filter Rule 0:Invalid 1:Disable 2:Enable	Control
ipeCfgAccessListForwardRuleEnable	Forwarding Filter Rule IP Access Control Forwarding Filter Rule 0:Invalid 1:Disable 2:Enable	Control
ipeCfgAccessListInputDefaultAction	Default Action IP Access Control Input Default Action. 1:Permit 2:Deny	Control
ipeCfgAccessListForwardDefaultAction	Default Action IP Access Control Forwarding Default Action 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 Index IP Access Control Input Filter Interface. The value 'inband' is not supported. 0:Any 3:Inband 4:Ne2 11:Bridge1 12:Bridge2 13:Bridge3 14:Bridge4 15:Bridge5 16:Bridge6 17:Bridge7 18:Bridge8	Control

	19:Bridge9 20:Bridge10 21:Bridge11 22:Bridge12 23:Bridge13 24:Bridge14 25:Bridge15 26:Bridge16 27:Bridge17 28:Bridge18 29:Bridge19 30:Bridge20	
ipeCfgAccessListInputSrcIpAddress	Source IP Address IP Access Control Input Filter Source IP Address	Control
ipeCfgAccessListInputSrcNetMask	Source Subnet Mask 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'.	Control
ipeCfgAccessListInputProtocol	Protcol IP Access Control Input Filter Protocol. '-1' acts as 'Any'.	Control
ipeCfgAccessListInputDstPortNum	Destination Port IP Access Control Input Filter Port Number. '-1' acts as 'Any'.	Control
ipeCfgAccessListInputAction	Action IP Access Control Input Filter Action. 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. 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) modifing a entry It isn't possible. 3) deleting a entry	

ipeCfgAccessListGroup ipeCfgAccessListForwardTable

Object Name	Item	Trap Type
ipeCfgAccessListForwardOrderNum	Index of table(1-50).	-
ipeCfgAccessListForwardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgAccessListForwardInIfIndex	Input Index IP Access Control Forward Filter Input Interface. The value 'inband' is not supported. 0:Any 3:Inband 4:Ne2 11:Bridge1 12:Bridge2 13:Bridge3 14:Bridge4 15:Bridge5 16:Bridge6 17:Bridge7 18:Bridge8 19:Bridge9 20:Bridge10 21:Bridge11 22:Bridge12 23:Bridge13 24:Bridge14 25:Bridge15 26:Bridge16 27:Bridge17 28:Bridge18 29:Bridge19 30:Bridge20	Control
ipeCfgAccessListForwardOutIfIndex	Output Index IP Access Control Forward Filter Output	Control

	Interface. The value 'inband' is not supported. 0:Any 3:Inband 4:Ne2 11:Bridge1 12:Bridge2 13:Bridge3 14:Bridge4 15:Bridge5 16:Bridge6 17:Bridge7 18:Bridge8 19:Bridge9 20:Bridge10 21:Bridge11 22:Bridge12 23:Bridge13 24:Bridge14 25:Bridge15 26:Bridge16 27:Bridge17 28:Bridge18 29:Bridge19 30:Bridge20	
ipeCfgAccessListForwardSrcIpAddress	Source IP Address IP Access Control Forward Filter Source IP Address.	Control
ipeCfgAccessListForwardSrcNetMask	Source Subnet Mask 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'	Control
ipeCfgAccessListForwardDstIpAddress	Destination IP Address IP Access Control Forward Filter Destination IP Address.	Control
ipeCfgAccessListForwardDstNetMask	Destination Subnet Mask 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'.	Control
ipeCfgAccessListForwardProtocol	Protcol IP Access Control Forward Filter Protocol. '-1' acts as 'Any'.	Control
ipeCfgAccessListForwardSrcPortNum	Source Port IP Access Control Forward Filter Source Port Number. '-1' acts as 'Any'.	Control
ipeCfgAccessListForwardDstPortNum	Destination Port IP Access Control Forward Filter Destination Port Number.	Control

	'-1' acts as 'Any'.	
ipeCfgAccessListForwardAction	Action IP Access Control Forward Filter Action. 1:Permit 2:Deny	Control
ipeCfgAccessListForwardRowStatus	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 ipeCfgAccessListForward	-

	Protocol to '6' or '17',, even when ipeCfgAccessListForwardSrcPortNum and ipeCfgAccessListForwardDstPortNum are set, it is set as 'any'. 2) modifing a entry It isn't possible. 3) deleting a entry When you SET a destroy(6) to ipeCfgAccessListForwardRowStatus, the entry is destroyed.	

ipeConfigurationGroup **ipeCfgSysNE1PortTable**

Object Name	Item	Trap Type
ipeCfgSysNE1PortIndex	The value is fixed at 1.	-
ipeCfgSysNE1PortNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgSysNE1PortMode	NE1 Port Mode NE1 Port Mode Configuration 0:Invalid 1:UserPort 2:MgmtPort	Control

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 No. 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..3	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

ipeCfgCascadeGroup ipeCfgCascadeTable

Object Name	Item	Trap Type
ipeCfgCascadeId	The value is fixed at 1.	-
ipeCfgCascadeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgCascadeShelves	No. of cascade NE	Control
ipeCfgCascadeMyShelfId	NE’s uniquely own cascade ID	Control

ipeCfgCascadeGroup ipeCfgCascadeShelfTable

Object Name	Item	Trap Type
ipeCfgCascadeShelfId	1-4	-
ipeCfgCascadeShelfNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgCascadeShelfRowStatus	1: active 4: createAndGo 6: destroy	Control
ipeCfgCascadeShelfIpAddress	Primary IP address of cascade NE	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

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
ipeCfgMgmtTraffcEgressCos	CoS Range: 5-7	Control

ipeCfgDhcpGroup ipeCfgDhcpMainServerTable

Object Name	Item	Trap Type
ipeCfgDhcpMainServerIndex	DHCP No. Range: 0..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. Interface Index. Slot Number +1 Range:2-5 Port Number 1:Port1 Path Number The value is fixed at 0.	Control
ipeCfgDhcpMainServerIpAddr	DHCP Server Address IpAddress	Control
ipeCfgDhcpMainServerLeaseTime	Lease Time Lease Time 0:Disabled Range:1-72[h]	Control
ipeCfgDhcpMainServerLeaseAddrRangeBegin	IP Address Range (Start) IpAddress	Control
ipeCfgDhcpMainServerLeaseAddrRangeEnd	IP Address Range (End) IpAddress	Control
ipeCfgDhcpMainServerLeaseAddrExcludeBegin	Exception (Start) IpAddress	Control
ipeCfgDhcpMainServerLeaseAddrExcludeEnd	Exception (End) IpAddress	Control
ipeCfgDhcpMainServerOptGatewayAddrEnable	Default Gateway Address Enable 0:Invalid 1:Same as Bridge Interface 2:Specify	Control

	3:Disabled	
ipeCfgDhcpMainServerOptGatewayAddr	Default Gateway Address IpAddress	Control
ipeCfgDhcpMainServerOptDnsServerPrimary	DNS Server Address (Primary) IpAddress	Control
ipeCfgDhcpMainServerOptDnsServerSecondary	DNS Server Address (Secondary) IpAddress	Control
ipeCfgDhcpMainServerOptSpecifyEnable	Other Option 0:Invalid 1:Disabled(Not Used) 2:Enabled(Used)	Control
ipeCfgDhcpMainServerOptSpecifyId	ID Range:0-255	Control
ipeCfgDhcpMainServerOptSpecifyType	Type 0:Invalid 1:IP Address 3:String 4:Octet String	Control
ipeCfgDhcpMainServerOptSpecifyValue	Value	Control
ipeCfgDhcpMainServerSecurityLevel	Security 0:Invalid 1:Any 2:Only Registered	Control
ipeCfgDhcpMainServerRegisteredMacId	DHCP No. Range:0-3	Control

ipeCfgDhcpGroup ipeCfgDhcpMainRegisteredMacTable

Object Name	Item	Trap Type
ipeCfgDhcpMainRegisteredMacId	DHCP No. Range:1-3	-
ipeCfgDhcpMainRegisteredMacNo	No. Range:1-256	-
ipeCfgDhcpMainRegisteredMacNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
ipeCfgDhcpMainRegisteredMacAddr	MAC Address	Control
ipeCfgDhcpMainRegisteredMacIpAddr	IP Address 0.0.0.0:Auto 255.255.255.255:Rejected	Control
ipeCfgDhcpMainRegisteredMacRowStatus	RowStatus 0:Invalid 1:Active 4:CreateAndGo 6:Destoy	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

2.2 pasoNeoIpe-common

This group includes the information of the detailed MIB object of iPASOLINK 400 equipment.

Following is a detailed list of pasoNeoIpe-common which is supported by upper SNMP function of iPASOLINK 400. Please refer to appendix for further details with regards to each file name shown in the list.

File Name	Table Name
MIB-PNMSJ-IPASOLINK-400-COMMON-MIB.my	alarmSummaryCommonInfoTable
	alarmSummaryIduSlotInfoTable
	alarmSummaryIduSwGrpInfoTable
	alarmSummaryOduInfoTable
	alarmSummaryPmonTcnInfoTable
	alarmSummaryCtrlInfoTable
	alarmSummaryRmonTcnInfoTable
	oduGroupTable
	oduSwGroupTable
	modemGroupTable
	modemXpicTable
	modemCardTable
	asModemHeaderCompressTable
	asModemHeaderCompressRemoteTable
	asModemTrafficAggrTable
	asModemTransmissionModeTable
	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
	clusterAlarmOutTable
	asStm1ChPortTable
	asStm1PortTable
	asStm1ChTable
	asStm1CardTable
	asE1CardTable
	asE1ChTable

	asRstpBridgeTable
	asRstpPortTable
	asEthOamMepCcmFaultTable
	asEthOamMegCcmFaultTable
	asFdbEquipmentTable
	asFdbPortTable
	asFdbVlanTable
	asLlfGroupTable
	asETHPortTable
	asETHCardTable
	iduCommonTable
	asStm1ApsTable
	invMainInfoTable
	invCardInfoTable
	invFPGAInfoTable
	invModuleInfoOduTable
	invUpdateInfoTable
	invSfpInfoTable
	invSoftkeyInfoTable
	invClk2mInfoTable
	invMacAddressInfoTable
	invModemParamInfoTable
	invChassisInfoTable
	meteringTable
	meteringFanTable
	pmon15minDataRadioTable
	pmon15minDataTmRsTable
	pmon15minDataTmDMRRsTable
	pmon15minDataChRsTable
	pmon15minDataChMsTable
	pmon15minData16E1PdhTable
	pmon1dayDataRadioTable
	pmon1dayDataTmRsTable
	pmon1dayDataTmDMRRsTable
	pmon1dayDataChRsTable
	pmon1dayDataChMsTable
	pmon1dayData16E1PdhTable
	pmonTxRxLev15minCurrentDataTable
	pmonTxRxLev1dayCurrentDataTable
	rmon15minPortTable
	rmon15minPort2Table
	rmon1dayPortTable
	rmon1dayPort2Table
	rmon15minVlanTable
	rmon1dayVlanTable
MIB-PNMSJ-IPASOLINK-400-MSE-MIB.my	asMseCardTable
	asMseLineTable
MIB-PNMSJ-IPASOLINK-400-LAG-MIB.my	asLinkAggrGroupTable
	asLinkAggrPortTable
MIB-PNMSJ-IPASOLINK-400-ETH-RING-MIB.my	asEtherRingTable
	asEtherRingPortTable
MIB-PNMSJ-IPASOLINK-400-MSTP-MIB.my	asMstpBridgeCistTable
	asMstpBridgeMstTable
	asMstpPortCistTable
	asMstpPortMstTable
MIB-PNMSJ-IPASOLINK-400-PTP-MIB.my	asPtpClockModeTable
	asPtpParentDSTable
	asPtpPortCurrentTable
	asPtpUnicastMasterTable

	asPtpMulticastMasterTable
	asPtpSlaveTable
	asPtpCardTable
MIB-PNMSJ-IPASOLINK-400-DOT3OAM-MIB.my	asDot3OamPortAlarmTable

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:Indeterminete 3:Critical 4:Major (Default) 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:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning This object is the total summary of IDU(Slot) and Main Card.	Alarm	-	-
alarmCtrlSummary	Main Card Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmOduSummary	ODU Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmAuxInputSummary	AUX Input Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmPmonTcnSummary	PMON TCN Summary 0:Invalid	Alarm	-	-

	1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning			
alarmRmonTcnSummary	RMON TCN Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmRmonTcnCtrlSummary	RMON TCN Main Card 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	Slot Number +1 Range:1-8	-	-	-
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:Indeterminete 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	Slot Number +1 Range:2-5	-	-	-
alarmSummaryOduInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmOduEachSummary	ODU Each Summary 0:Invalid 1:Cleared 2:Indeterminete 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	Slot Number +1 Range:1-5	-	-	-
alarmSummaryPmonTcnInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmPmonTcnSlotSummary	PMON (TCN) Slot Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-

alarmSummaryGroup alarmSummaryCtrlInfoTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
alarmSummaryEoamInfoIndex	The value is fixed at 1.	-	-	-
alarmSummaryEoamInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmEoamSummary	ETH-OAM Summary 0:Invalid 1:Cleared 2:Indeterminete 3:Critical 4:Major 5:Minor 6:Warning	Alarm	-	-
alarmRmonEoamSummary	RMON ETH-OAM Summary 0:Invalid 1:Cleared 2:Indeterminete 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	Slot Number +1 Range:1-5	-	-	-
alarmSummaryRmonTcnInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
alarmRmonTcnSlotSummary	ETH-OAM Summary 0:Invalid 1:Cleared 2:Indeterminete 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-3 to 12 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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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. When the TRAP is resent, deci-seconds field (8th octet of the data) is always set to zero.
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 "|". - 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 +1 Range:2-5 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	communications Alarm	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 2:Indeterminate	Alarm	equipmentAlarm	equipmentMalfunction

	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 +1 Range:2,4 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 +1 Range:2-5 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	communicationsAlarm	lossOfFrame
frameID	Frame ID 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	equipmentMalfunction
highBERAlarm	High BER 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	qualityOfServiceAlarm	excessiveBER
lowBERAlarm	Low BER 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor(Default) 6:Warning	Alarm	qualityOfServiceAlarm	degradedSignal
earlyWarningAlarm	Early Warning 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor 6:Warning(Default)	Alarm	qualityOfServiceAlarm	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	Alarm	equipmentAlarm	equipmentMalfunc

	0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major(Default) 5:Minor 6:Warning			tion
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 7:512QAM 8:1024QAM 9:2048QAM	Status	-	-
rxModulation	RX Modulation 0:Invalid 1:QPSK 2:16QAM 3:32QAM 4:64QAM 5:128QAM 6:256QAM 7:512QAM 8:1024QAM 9:2048QAM	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	Alarm	equipmentAlarm	equipmentMalfunction

	1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning			
tdmRangeMismatch	TDM / AMR Range Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsProtocolError
modemPsOff	MODEM Power Supply 0:Invalid 1:Off 2:On	Status	-	-

asModemGroup modemXpicTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
modemXpicIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 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)	-	-	-
xIFLevelAlarm	XIF 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfSignal
xpicTypeMismatch	XPIC Mode Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lossOfSignal

asModemGroup modemCardTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
modemCardIndex	Slot Number +1 Range:2-5	-	-	-
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
modemUnequipped	Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
modemAlarm	Module 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
modemBusErrorTx	TX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
modemBusErrorRx	RX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
modemTypeMismatch	Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

modemCardOnlineStatus	Online Status Invalid Offline Online	Status	-	-
modemCardPsAlarm	MODEM Power Supply Alarm 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asModemGroup asModemHeaderCompressTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asModemHeaderCompressIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 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)	-	-	-
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 +1 Range:2-5 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	-	-	-

asModemGroup asModemTrafficAggrTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asModemTrafficAggrIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number The value is fixed at 1. Path Number The value is fixed at 0.	-	-	-
asModemTrafficAggrNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asModemTrafficAggrModeMismatch	Radio Traffic Aggregation Setting Mismatch Radio Traffic Aggregation Mode Mismatch Alarm. This alarm is asserted if the Radio Traffic Aggregation is configured when the H/W and/or F/W does not support the function. And also the alarm is asserted when the configuration is mismatched between local node and peer node. 1:Cleared	Alarm	equipmentAlarm	equipmentMalfunction

	2:Indetermine 3:Critical 4:Major 5:Minor 6:Warning			
asModemTrafficAggrEncapStatus	Radio Traffic Aggregation Encapsulation Error Radio Traffic Aggregation Encapsulation Status. When the Modem cannot build frames continuously, the object will assert the 'fail'. The value will change to 'normal' if the condition is cleared. 0:Invalid 1:Normal 2:Fail	Status	-	-

asModemGroup asModemTransmissionModeTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asModemTransmissionModeCardIndex	Slot Number +1 Range:2-5	-	-	-
asModemTransmissionModeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asModemTransmissionModeMismatch	Radio Transmission Mode Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asCtrlGroup ctrlGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
ctrlGroupIndex	Slot Number +1 The value is fixed at 1	-	-	-
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	Alarm	equipmentAlarm	equipmentMalfunction

	4:Major 5:Minor 6:Warning (Default)			
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 6:Warning	Alarm	communicationsAlarm	communicationsSubsystemFailure
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	-	-
ctrlTempAlarm	Temperature 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
ctrlTemperature	IDU Temperature Main Board / Ctrl Card Temperature. if the unexpected condition happened, the object reports value '-999'.	-	-	-

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:No1 2:No2	Status	-	-

asAuxGroup auxGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
auxGroupIndex	Slot Number +1 Range:4-5	-	-	-
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
auxTypeMismatch	Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor	Alarm	equipmentAlarm	equipmentMalfunction

	6:Warning			
auxAlarm	Module 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
auxComFailAlarm	Communication FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	communicationsProtocolError
auxBusErrorTx	TX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
auxBusErrorRx	RX Bus Error 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)	-	-	-
ltiAlarm	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	Alarm	equipmentAlarm	timingProblem

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

asExtClkGroup extClkGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
extClkGroupIndex	The value is fixed at 1.	-	-	-
extClkGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
clk2mLosAlarm	EXT CLK LOS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor(Default) 6:Warning	Alarm	equipmentAlarm	timingProblem
aisAlarm	EXT CLK AIS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor(Default)	Alarm	equipmentAlarm	timingProblem

	6:Warning			
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
extClkOutputStatus	EXT CLK Output Status 0:Invalid 1:Nomal 2:AIS 3:Shutdown	Status	-	-
extClkOutputQlValue	EXT CLK 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	-	-
squelch	Squelch 0:Invalid 1:Normal 2:Squelch	Status	-	-
clk2mTypeMismatch	EXT CLK Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asFanGroup **fanGroupTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
fanGroupIndex	Slot Number +1 Range:8	-	-	-
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)	Alarm	equipmentAlarm	equipmentMalfunction

	5:Minor 6:Warning			
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 +1 Range:6-7	-	-	-
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 +1 Range:2-5 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	qualityOfService Alarm	thresholdCrossed

asTCNGroup　　tcn15minDataRadioGroup　　tcn15minRxLevTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minRxLevIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 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 +1 Range:2-5 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	Alarm	qualityOfService Alarm	thresholdCrossed

	RS SES RS SEP RS UAS RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning			

asTCNGroup　tcn15minDataCableGroup　tcn15minDataThroughModeGroup tcn15minDataTmDMRRsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minDataTmDMRRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 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 +1 Range:2-5 Port Number 1:Port1 2:Port2 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 RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

asTCNGroup tcn15minDataCableGroup tcn15minDataChannelizedModeGroup tcn15minDataChMsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn15minDataChMsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 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 Range:1-5 As for 16E1: 2-5 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

asTCNGroup tcn1dayDataRadioGroup tcn1dayDataRadioTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayDataModemIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 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 4:MODEM No.3 5:MODEM No.4 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

asTCNGroup tcn1dayDataCableGroup tcn1dayDataThroughModeGroup tcn1dayDataTmRsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayDataTmRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 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 +1 Range:2-5 Port Number 1:Port1 2:Port2 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	Alarm	qualityOfService Alarm	thresholdCrossed

	DMR RS SEP DMR RS UAS DMR RS OFS 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning			

asTCNGroup tcn1dayDataCableGroup tcn1dayDataChannelizedModeGroup tcn1dayDataChRsTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayDataChRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 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 +1 Range:2-5 Port Number 1:Port1 2:Port2 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 Range:1-5 Port Number 1:Port1 Path Number 1-16:CH01-CH16	-	-	-
tcn1dayData16E1PdhMonitorName	1:CV	-	-	-
tcn1dayData16E1PdhNEAddress	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 Range:1-5 Port Number 1-4:Port1-Port4 Path Number The value is fixed at 0. Index Type is “ifindex”. Slot Number The value is fixed at 0. Port Number 1-8,65-66 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
tcn15minHCRxEthStatsCRCAlignErrors	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	Alarm	qualityOfService Alarm	thresholdCrossed

	1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning			

asTCNGroup tcn1dayDataRmonGroup tcn1dayDataRmonTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
tcn1dayRmonIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1-4:Port1-Port4 Path Number The value is fixed at 0. Index Type is “ifindex”. Slot Number The value is fixed at 0. Port Number 1-8,65-66 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
tcn1dayHCRxEthStatsCRCAlignErrors	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	Alarm	qualityOfService Alarm	thresholdCrossed

	1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning			
tcn1dayHCTxEthStatsCollisions	TX Collisions 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	qualityOfService Alarm	thresholdCrossed

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	-	-

clusterAlarmGroup clusterAlarmOutTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
clusterAlarmOutIndex	Range:1-4	-	-	-
clusterAlarmOutNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
clusterAlarmOutStatus	Cluster Alarm Out MODEM Cluster Alarm Out. 0:Invalid 1:Alarm 2:Normal	-	-	-

asStm1Group asStm1ChPortTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asStm1ChPortIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1:Port1 2:Port2 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	localNodeTransmissionError
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	Alarm	communications Alarm	lossOfFrame

	3:Critical 4:Major (Default) 5:Minor 6:Warning			
hpUnequipedAlarm	HP UNEQ 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsProtocolError
hpTimAlarm	HP TIM 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsProtocolError
hpPlmAlarm	HP PLM 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	communicationsProtocolError
hpRdiAlarm	HP RDI 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmissionError
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 +1 Range:2-5 Port Number 1:Port1 2:Port2 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	Alarm	equipmentAlarm	equipmentMalfunction

	1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning			
portRemovedAlarm	SFP Removed 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmissionError
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) 5:Minor 6:Warning	Alarm	communications Alarm	framingError
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	communicationsProtocolError
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	Status	-	-

	0:Invalid 1:Normal 2:Under UAS			
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 +1 Range:2-5 Port Number 1:Port1 2:Port2 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	communicationsProtocolError
lpRdiAlarm	LP RDI 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	localNodeTransmissionError
lpPlmAlarm	LP PLM 0:Invalid	Alarm	communications Alarm	communicationsProtocolError

	1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning			
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 +1 Range:2-5	-	-	-
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	equipmentMalfunction
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

stm1BusErrorTx	TX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
stm1BusErrorRx	RX Bus Error 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 Range:1-5	-	-	-
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	Alarm	equipmentAlarm	equipmentMalfunction
e1BusErrorTx	TX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
e1BusErrorRx	RX Bus Error 0:Invalid 1:Cleared 2:Indeterminate	Alarm	equipmentAlarm	equipmentMalfunction

	3:Critical 4:Major (Default) 5:Minor 6:Warning			
e1ComFailAlarm	Communication FAIL 16E1 Communication FAIL Alarm. 0:Invalid 1:Leared 2:Indetermine 3:Critical 4:Major 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 Range:1-5 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	operationalViolationAlarm	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:Ais	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 Range:1-3 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 1-8,65-66 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	-	-
asRstpPortNewRootBridgeDetectedBridgePriority	RSTP New Bridge Detect bridge ID	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	localNodeTransmissionError

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.	-	-	-
asEthOamMegCcmFaultNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asEthOamMegCcmMismergeCondition	ETH-OAM Mismerge 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	communications Alarm	communicationsProtocolError
asEthOamMegCcmUnexpectedMepCondition	ETH-OAM Unexpected MEP 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major 5:Minor (Default) 6:Warning	Alarm	communications Alarm	communicationsProtocolError

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.	-	-	-
asFdbEquipmentLearningLimitOver	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 Range:1 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.	-	-	-
asFdbVlanLearningLimitOver	FDB Full 0:Invalid 1:Not Reached 2:Reached	Status	-	-

asETHGroup asLlfGroup asLlfGroupTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asLlfGroupIndex	The index values are from 1 to 16.	-	-	-
asLlfGroupNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asLlfGroupForceClose	LLF 0:Invalid 1:Not-forceclose 2:Forceclose	Status	-	-
asLlfGroupTimeout	LLF Message Timeout 0:Invalid 1:Received 2:Timeout	-	-	-

asETHGroup asETHPortGroup asETHPortTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asETHIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1-4:Port1-Port4 As for SFP: Port3,4 Path Number The value is fixed at 0.	-	-	-
asETHNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asETHPortInterfaceType	SFP Port Type 0:Invalid 1:Fiber 2:Copper	Status	-	-
asETHPortSpeedDuplex	Speed & Duplex 0:Invalid 1:10M-Half 2:10M-Full 3:100M-Half 4:100M-Full 5:1000M-Full	Status	-	-
asETHPortFlowControl	Flow Control 0:Invalid 1:Disabled 2:Enabled	-	-	-
asETHPortMDIMDIX	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	Alarm	communications Alarm	lANerror

	6:Warning			
asETHPortAdminStatus	LLF 0:Invalid 1:Normal 2:Forced 3:OamSend	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	communicationsAlarm	lossOfSignal
asETHPortSFPTxError	ETH TF 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	localNodeTransmissionError
asETHPortSFPTypeMismatch	SFP Type Mismatch 0:Invalid 1:Normal 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asETHPortOperStatus	LAN Link Status 0:Invalid 1:Link Down 2:Link Up	Status	-	-
asETHPortLlfOamReceived	LLF OAM Received 0:Invalid 1:Normal 2:Received	-	-	-

asETHGroup **asETHCardGroup** **asETHCardTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asETHCardIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1:Port1 2:Port2 3:Port3 4:Port4 Path Number 1	-	-	-
asETHCardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
ethAlarm	Module 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
ethComFailAlarm	Communication FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	communicationsProtocolError
ethUnequipped	Unequipped 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
ethTypeMismatch	Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
ethBusErrorTx	TX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
ethBusErrorRx	RX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default)	Alarm	equipmentAlarm	equipmentMalfunction

	5:Minor 6:Warning			

asCommonGroup **iduCommonTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
iduCommonIndex	Fixed at 1	-	-	-
iduCommonNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
equipConfigStatus	Equipment Config Status 1:All Status 2:Alarm Only When 1 is notified, all statuses must be obtained. When 2, only the alarm information is being asked.	Status	-	-

asLinkAggrGroup **asLinkAggrGroupTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asLinkAggrGroupIfIndex	Index Type is “ifindex”. Slot Number +1 The value is fixed at 0. Port Number 1-8,65-66 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	lANError
asLinkAggrGroupLLFStatus	LAG LLF Status The status for link loss forwarding. 'force' means the interface is shutting down by the link loss forwarding. 0:Invalid 1:Normal 2:Force	Status	-	-
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 +1 The value is fixed at 0. Port Number 1-8,65-66 Path Number The value is fixed at 0.	-	-	-
asLinkAggrPortIfIndex	Index Type is “ifindex”. Slot Number 2:MODEM1 3:MODEM2 4:MODEM3 5:MODEM4 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	-	-
asLinkAggrPortActorLacpStatus	LACP Status Bit Format lacpActivity(bit 0), lacpTimeout(bit 1) aggregation(bit 2) synchronization(bit 3) collecting(bit 4) distributing(bit 5) defaulted(bit 6) expired(bit 7) This value is set in 80h (hex format) if this object value is lacpActivity. This value is set in 64h (hex format) if this object value is lacpTimeout, aggregation, or distributing.	Status	-	-
asLinkAggrPortLoopDetect	LAG Port Loop Detect LACP Control frames loop detect status for that port. This status will be cleared when the condition is not detected for a fixed time. 0:Invalid 1:None 2:Detected	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 5:Manual 6:Pending	Status	-	-
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	-	-

asProtectionGroup **asStm1ApsTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asStm1ApsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 Path Number The value is fixed at 0.	-	-	-
asStm1ApsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
apsProtectionStatusCh1	APS Protection Status (Work) 0:Invalid 1:FS 2:SF 3:SD 4:MS 5:NR	Status	-	-
apsProtectionStatusCh2	APS Protection Status (Protection) 0:Invalid 1:FS 2:SF 3:SD 4:MS 5:NR	Status	-	-
apsOnlineStatus	APS Online Status 0:Invalid 1:Work 2:Protection	Status	-	-
apsLockinStatus	APS Lock-in Status APS Lockin Status 1:Normal 2:Lockin	Status	-	-
apsSwStatus	APS SW 0:Invalid 1:Work 2:Protection	Status	-	-

asMseGroup **asMseCardTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asMseCardIndex	Slot Number +1 Range:2-5	-	-	-
sMseCardNEAddress	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
asMseCardBusErrorTx	TX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asMseCardBusErrorRx	RX Bus Error 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 +1 Range:2-5 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	communications Alarm	lossOfFrame
asMseLineAdaptiveClkStatus	Adaptive CLK Status 0:Invalid 1:Hold Over 2:Acquiring 3:Acquired	Status	-	-

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 Range:1-5 Port Number 1-4	-	-	-

	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:AlarmOff 1:AlarmOn	Status	-	-

asMstpGroup asMstpPortMstTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asMstpPortMstIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1-4 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	-	-

asPtpGroup asPtpClockGroup asPtpClockModeTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asPtpClockModeIndex	Slot Number +1 Range:2-5	-	-	-
asPtpClockModeNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asPtpClockRunningState	Clock Status 0:Invalid 1:Free Run 2:Hold Over 3:Acquiring 4:Frequency Locked 5:Locked 6:Warm Up	Status	-	-

asPtpGroup asPtpClockGroup asPtpParentDSTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asPtpParentDSIndex	Slot Number +1 Range:2-5	-	-	-
asPtpParentDSNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asPtpParentDSPortIdentity	Port ID OCTET STRING(10) This object specifies the value of portIdentity of the port on the master that issues the Sync messages used in synchronizing this clock.	Status	-	-
asPtpParentDSGMClockIdentity	Clock ID OCTET STRING(8) This object specifies the parent dataset Grandmaster clock identity.	Status	-	-
asPtpParentDSGMClockPriority1	Clock Priority1 The values are from 0 to 255. This object specifies the parent dataset Grandmaster clock priority1.	Status	-	-
asPtpParentDSGMClockPriority2	Clock Priority2 The values are from 0 to 255. This object specifies the parent dataset Grandmaster clock priority1.	Status	-	-
asPtpParentDSGMClockQualityClass	Clock Quality Class The values are from 0 to 255. This object specifies the parent dataset grandmaster clock quality class.	Status	-	-
asPtpParentDSGMClockQualityAccuracy	Clock Quality Accuracy This object specifies the parent dataset grandmaster clock quality accuracy.	Status	-	-

	0:Invalid 32:25 [ns] 33:100 [ns] 34:250 [ns] 35:1 [us] 36:2.5 [us] 37:10 [us] 38:25 [us] 39:100 [us] 40:250 [us] 41:1 [ms] 42:2.5 [ms] 43:10 [ms] 44:25 [ms] 45:100 [ms] 46:250 [ms] 47:1 [s] 48:10 [s] 49:10 [s] Greater			
asPtpParentDSGMClockQuality Offset	Offset Scaled Log Variance This object specifies the parent dataset grandmaster clock quality offset.	Status	-	-

asPtpGroup **asPtpClockGroup** **asPtpPortCurrentTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asPtpPortCurrentIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 Path Number The value is fixed at 0.	-	-	-
asPtpPortCurrentIfNumber	The index values are from 1 to 32.	-	-	-
asPtpPortCurrentNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asPtpPortCurrentRole	Current Role 0:Invalid 1:Master 2:Slave	Status	-	-
asPtpPortCurrentState	Current Status 0:Invalid 1: Initializing 2: Faulty 3: Disabled 4: Listening 5: Premaster 6: Master 7: Passive 8: Uncalibrated 9: Slave	Status	-	-
asPtpPortCurrentTxMode	Current TX Mode 0: Invalid 1: Unicast 2: Multicast 3: Multicast Mix 99: Unknown	Status	-	-

asPtpPortCurrentRxMode	Current RX Mode 0: Invalid 1: Unicast 2: Multicast 3: Multicast Mix 99: Unknown	Status	-	-

asPtpGroup **asPtpClockGroup** **asPtpUnicastMasterTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asPtpUnicastMasterCardIndex	Slot Number +1 Range:2-5	-	-	-
asPtpUnicastMasterIndex	The index values are from 1 to 5.	-	-	-
asPtpUnicastMasterNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asPtpUnicastMasterClockId	Clock ID OCTET STRING(8) Clock Identity of Unicast Master Node.	Status	-	-
asPtpUnicastMasterClockClass	Clock Class The values are from 0 to 255. The Clock Quality Class of the Unicast Master node.	Status	-	-
asPtpUnicastMasterStatus	PTP Source Status	Status	-	-
asPtpUnicastMasterLossAnnounceAlarm	Loss Announce 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	communicationsProtocolError
asPtpUnicastMasterLossSyncAlarm	Loss Sync 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	communicationsProtocolError
asPtpUnicastMasterUnusableAlarm	Unusable 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	communicationsProtocolError
asPtpUnicastMasterAssociatedIfIndex	Associated Port The value is ifindex or zero. This object specifies the interface which is associated by the unicast master.	Status	-	-
asPtpUnicastMasterAssociatedIfNum	Associated Port No. The values are from 0 to 5. This object specifies the logical interface number which is associated by the unicast master.	Status	-	-

asPtpGroup asPtpClockGroup asPtpMulticastMasterTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asPtpMulticastMasterIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 Path Number The value is fixed at 0.	-	-	-
asPtpMulticastMasterIfNum	The index values are from 1 to 5.	-	-	-
asPtpMulticastMasterNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asPtpMulticastMasterClockId	Clock ID OCTET STRING(8) Clock Identity of Muticast Master Node.	Status	-	-
asPtpMulticastMasterClockClass	Clock Class The values are from 0 to 255. The Clock Quality Class of the Multicast Master node.	Status	-	-
asPtpMulticastMasterStatus	PTP Source Status 0: Invalid 1: Not Selected 2: Selected 3: Forced	Status	-	-
asPtpMulticastMasterLossAnnounceAlarm	Loss Announce 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	communicationsProtocolError
asPtpMulticastMasterLossSyncAlarm	Loss Sync 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	communicationsProtocolError
asPtpMulticastMasterUnusableAlarm	Unusable 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communicationsAlarm	communicationsProtocolError

asPtpGroup **asPtpClockGroup** **asPtpSlaveTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asPtpSlaveCardIndex	Slot Number +1 Range:2-5	-	-	-
asPtpSlaveClockId	This object specifies Clock Identity of slave node.	-	-	-
asPtpSlaveInetAddressType	This object specifies Address type of slave node.	-	-	-
asPtpSlaveInetAddress	This object specifies IP Address of slave node.	-	-	-
asPtpSlaveNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asPtpSlaveAssociatedStatus	Slave Association Status (Addr: InetAddress) 0: Invalid 1: Connected 2: Timeout 3: Cancelled	Status	-	-
asPtpSlaveAssociatedIfIndex	Slave Associated Port The value is ifindex. This object specifies the interface which is associated by the slave node.	Status	-	-
asPtpSlaveAssociatedIfNum	Slave Associated Port No. The values are from 1 to 32. This object specifies the logical interface number which is associated by the slave node.	Status	-	-

asPtpGroup **asPtpCardGroup** **asPtpCardTable**

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asPtpCardIndex	Slot Number +1 Range:2-5	-	-	-
asPtpCardNEAddress	iPASOLINK NE IP Address (used as index of this table)	-	-	-
asPtpCardModuleFail	Module 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asPtpCardComFailAlarm	Communication FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	communicationsProtocolError
asPtpCardUnequipped	Unequipped	Alarm	equipmentAlarm	equipmentMalfunc

	0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning			tion
asPtpCardTypeMismatch	Type Mismatch 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asPtpCardBusErrorTx	TX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asPtpCardBusErrorRx	RX Bus Error 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asPtpCardClockFail	PTP CLK FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	timingProblem
asPtpCardToDin	ToD Input FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction
asPtpCardPPSin	1PPS Input FAIL 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	equipmentAlarm	equipmentMalfunction

asDot3OamGroup asDot3OamPortAlarmTable

Object Name	Item	Trap Type	Alarm Definition(X.733)	
			Alarm Type	Probable Cause
asDot3OamPortAlarmIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1-4 Path Number 0	-	-	-
asDot3OamPortAlarmNEAddress	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	Critical Event 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	Link OAM Down 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lANError
asDot3OamPortRemoteDyingGasp	Remote Dying Gasp 0:Invalid 1:Cleared 2:Indeterminate 3:Critical	Alarm	communications Alarm	remoteNodeTransmissionError

	4:Major (Default) 5:Minor 6:Warning			
asDot3OamPortRemoteCriticalEvent	Remote Critical Event 0:Invalid 1:Cleared 2:Indeterminate 3:Critical 4:Major (Default) 5:Minor 6:Warning	Alarm	communications Alarm	lANError

2.2.4 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 ACSII 16bytes	-
invMainCodeNo	Code number ASCII 16bytes	-
invMainSerialNo	Serial number ASCII 8bytes	-
invMainFirmVersion	Current Main Board / Ctrl Card Firmware Version.	-
invMainFirmVersionUncurrent	Uncurrent Main Board / Ctrl Card Firmware Version (Uncurrent).	-
invMainCardHardVersion	H/W Version Main Board / Ctrl Card Hardware Version.	-

invCardInfoTable

Object Name	Item	Trap Type
invCardInfoIndex	Slot Number +1 Range:2-8	-
invCardInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invCardName	Card name ACSII 16bytes	-
invCardCodeNo	Code number ASCII 16bytes	-
invCardSerialNo	Serial number ASCII 8bytes	-
invCardManufacturedDate	Date of manufacture ASCII 8bytes "YYYYMMDD"	-
invCardFirmVersion	Current Card Firmware Version. when the card is removed, the value will be changed to '**'.	-
invCardHardVersion	H/W Version Card Hardware Version. when the card is removed, the value will be changed to '**'.	-
invCardFirmVersionUncurrent	Uncurrent Card Firmware Version (uncurrent side). When the card is removed, the	-

	value will be changed to '**'.	

invFPGAInfoTable

Object Name	Item	Trap Type
invFPGAInfoIndex	Slot Number +1 Range:2-5	-
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 +1 Range:2-5 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 (Uncureent 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] ACSII 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
invSfpInfoIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1-4:Port1-4 Path Number Fixed at 0	-
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	-
invSfpManufacturedDate	Manufactured Date ASCII	-
invSfpSupportedWavelength	Wavelength supported by SFP/XFP/SFP+. If the SFP media	-

	type is not optical, this object will show the value '0'.	
invSfpSupportedLinkLength	Link length supported by SFP/XFP/SFP+.	-

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
invMacAddressInfoIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-4 Port Number 1:Port1(MODEM or GbE orMSE) 2-4:Port2-4(GbE) Path Number 0	-
invMacAddressInfoNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
invMacAddress	MAC address	-

invModemParamInfoTable

Object Name	Item	Trap Type
invModemParamInfoIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1	-
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	Name	-
invChassisSerialNo	Serial No.	-
invChassisManufacturedDate	Date of manufacture ASCII 8bytes "YYYYMMDD"	-
invChassisCodeNo	Code No. Code No.	
invChassisHardVersion	H/W Version Hardware Version	

2.2.5 meteringGroup

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

meteringTable

Object Name	Item	Trap Type
meteringIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 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.	-
metSysTempODUStatus	ODU Temperature MODEM ODU Temperature Status 0:Invalid 1:Valid	-
metSysTempODUValue	ODU Temperature MODEM ODU Temperature	-
metSysBitErrorRateStatus	BER Status FFh: Finalized data 7Fh: Calculating	-
metSysBitErrorRateValue	BER "*.*E-**"	-

meteringFanTable

Object Name	Item	Trap Type
meteringFanSlotIndex	Slot Number +1 Range:7	-
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	-

2.2.6 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 +1 Range:2-5 Port Number 1:Port1 Path Number The value is fixed at 0.	-
pmon15minDataModemMonitorName	PMON item type 1:BBE 2:ES 3:SES 4:SEF 5:UAS 6:OFS	-
pmon15minDataRadioNEAddress	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 pmon15minDataThroughModeGroup
pmon15minDataTmRsTable

Object Name	Item	Trap Type
pmon15minDataTmRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 Path Number The value is fixed at 0.	-
pmon15minDataTmRsMoniterName	PMON item type 1:BBE 2:ES 3:SES 4:SEF 5:UAS 6:OFS	-
pmon15minDataTmRsNEAddress	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	-

pmon15minDataCableGroup pmon15minDataThroughModeGroup pmon15minDataTmDMRRsTable

Object Name	Item	Trap Type
pmon15minDataTmDMRRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1-2: Port1-2 Path Number The value is fixed at 0.	-
pmon15minDataTmDMRRsMonitorName	Index of this table. The value represents the monitoring item. 1:PmonBBE 2:PmonES 3:PmonSES 4:PmonSEF 5:PmonUAS 6:PmonOFS	-
pmon15minDataTmDMRRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmon15minDataTmDMRRsStatusInfo	DMR RS BBE PMON STM-1 15min (Through Mode) DMR RS Monitoring Status 0:invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
pmon15minDataTmDMRRsValue	DMR RS BBE PMON STM-1 15min (Through Mode) DMR RS Monitoring Value	-

pmon15minDataCableGroup pmon15minDataChannelizedModeGroup pmon15minDataChRsTable

Object Name	Item	Trap Type
pmon15minDataChRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1-2: Port1-2 Path Number The value is fixed at 0.	-
pmon15minDataChRsMonitorName	Index of this table. The value represents the monitoring item. 1:PmonBBE 2:PmonES 3:PmonSES 4:PmonSEF 5:PmonUAS 6:PmonOFS	-
pmon15minDataChRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmon15minDataChRsStatusInfo	RS BBE PMON STM-1 15min (Channelized Mode) RS Monitoring Status 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint	-

	4:InvalidMaint	
pmon15minDataChRsValue	RS BBE PMON STM-1 15min (Channelized Mode) RS Monitoring Value	-

pmon15minDataCableGroup pmon15minDataChannelizedModeGroup pmon15minDataChMsTable

Object Name	Item	Trap Type
pmon15minDataChMsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1-2: Port1-2 Path Number The value is fixed at 0.	-
pmon15minDataChMsMonitorName	Index of this table. The value represents the monitoring item 1:PmonBBE 2:PmonES 3:PmonSES 4:PmonSEP 5:PmonUAS	-
pmon15minDataChMsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmon15minDataChMsStatusInfo	MS BBE PMON STM-1 15min (Channelized Mode) MS Monitoring Status. 0:invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
pmon15minDataChMsValue	MS BBE PMON STM-1 15min (Channelized Mode) MS Monitoring Value	-

pmon15minDataCableGroup pmon15minDataChannelizedModeGroup pmon15minData16E1PdhTable

Object Name	Item	Trap Type
pmon15minData16E1PdhIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number The value is fixed at 1. Path Number 1-16: CH01-16	-
pmon15minData16E1PdhMonitorName	Index of this table. The value represents the monitoring item 1:PmonCV	-
pmon15minData16E1PdhNEAddress	pmon15minData16E1PdhIfIndex	-
pmon15minData16E1PdhStatusInfo	E1 CV PMON E1 15min Monitoring Status 0:Invalid	-

	1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
pmon15minData16E1PdhValue	E1 CV PMON E1 15min Monitoring Value	-

pmon1dayDataRadioGroup pmon1dayDataRadioTable

Object Name	Item	Trap Type
pmon1dayDataModemIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 Path Number The value is fixed at 0.	-
pmon1dayDataModemMonitorName	PMON item type 1:BBE 2:ES 3:SES 4:SEF 5:UAS 6:OFS	-
pmon1dayDataRadioNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmon1dayDataModemStatusInfo	PMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF) 4: Invalid (Maintenance ON)	-
pmon1dayDataRfValue	RF PMON data	-

pmon1dayDataCableGroup pmon1dayDataThroughModeGroup
pmon1dayDataTmRsTable

Object Name	Item	Trap Type
pmon1dayDataTmRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 2:Port2 Path Number The value is fixed at 0.	-
pmon1dayDataTmRsMonitorName	PMON item type 1:BBE 2:ES 3:SES 4:SEF 5:UAS 6:OFS	-
pmon1dayDataTmRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmon1dayDataTmRsStatusInfo	PMON data status 0: Not obtained 1: Valid (Maintenance OFF) 2: Valid (Maintenance ON) 3: Invalid (Maintenance OFF)	-

	4: Invalid (Maintenance ON)	
pmon1dayDataTmRsValue	RS PMON data	-

pmon1dayDataCableGroup pmon1dayDataThroughModeGroup pmon1dayDataTmDMRRsTable

Object Name	Item	Trap Type
pmon1dayDataTmDMRRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1-2: Port1-2 Path Number The value is fixed at 0.	-
pmon1dayDataTmDMRRsMonitorName	Index of this table. The value represents the monitoring item. 1:PmonBBE 2:PmonES 3:PmonSES 4:PmonSEF 5:PmonUAS 6:PmonOFS	-
pmon1dayDataTmDMRRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmon1dayDataTmDMRRsStatusInfo	DMR RS BBE PMON STM-1 1day (Through Mode) DMR RS Monitoring Status 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
pmon1dayDataTmDMRRsValue	DMR RS BBE PMON STM-1 1day (Through Mode) DMR RS Monitoring Value	-

pmon1dayDataCableGroup pmon1dayDataChannelizedModeGroup pmon1dayDataChRsTable

Object Name	Item	Trap Type
pmon1dayDataChRsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1-2: Port1-2 Path Number The value is fixed at 0.	-
pmon1dayDataChRsMonitorName	Index of this table. The value represents the monitoring item 1:PmonBBE 2:PmonES 3:PmonSES 4:PmonSEF 5:PmonUAS 6:PmonOFS	-
pmon1dayDataChRsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmon1dayDataChRsStatusInfo	RS BBE PMON STM-1 1day (Channelized Mode) RS Monitoring Status	-

	0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
pmon1dayDataChRsValue	RS BBE PMON STM-1 1day (Channelized Mode) RS Monitoring Value	-

pmon1dayDataCableGroup pmon1dayDataChannelizedModeGroup pmon1dayDataChMsTable

Object Name	Item	Trap Type
pmon1dayDataChMsIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1-2: Port1-2 Path Number The value is fixed at 0.	-
pmon1dayDataChMsMonitorName	Index of this table. The value represents the monitoring item 1:PmonBBE 2:PmonES 3:PmonSES 4:PmonSEP 5:PmonUAS	-
pmon1dayDataChMsNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
pmon1dayDataChMsStatusInfo	MS BBE PMON STM-1 1day (Channelized Mode) MS Monitoring Status 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
pmon1dayDataChMsValue	MS BBE PMON STM-1 1day (Channelized Mode) MS Monitoring Value	-

pmon1dayDataCableGroup pmon1dayData16E1Group pmon1dayData16E1PdhTable

Object Name	Item	Trap Type
pmon1dayData16E1PdhIfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number The value is fixed at 1. Path Number 1-16: CH01-16	-
pmon1dayData16E1PdhMonitorName	Index of this table. The value represents the monitoring item. 1:PmonCV	-
pmon1dayData16E1PdhNEAddress	pmon1dayData16E1PdhIfIndex	-
pmon1dayData16E1PdhStatusInfo	E1 CV PMON E1 1day Monitoring Status 0:Invalid	-

	1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
pmon1dayData16E1PdhValue	E1 CV PMON E1 1day Monitoring Value	-

2.2.7 pmonTxRxLevGroup

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

pmonTxRxLev15minCurrentDataTable

Object Name	Item	Trap Type
pmonTxRxLev15minCurrentDataIfIndex	Index Type is “ifindex”. Slot Number +1 Range:2-5 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	Index Type is “ifindex”. Slot Number +1 Range:2-5 Port Number 1:Port1 Path Number The value is fixed at 0.	-
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.	-
pmonTxRxLev1dayRxLevelMinCurrentData	RX Level (MIN) ([dBm]) "+/-**.*" (ASCII 5bytes) When pmonTxRxLev1dayCurrentDataStatusInfo = 0, stored values are variant & negligible.	-

2.2.8 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 Range:1-5 Port Number 1-4:Port1-Port4 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)	-
rmon15minRxEthStatsFragments	Frame Receive Undersize Error Packet Count	-
rmon15minRxEthStatsFragmentsStatusInfo	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 256o511Octets 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 512o1023Octets 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)	-
rmon15minRxEthStatsCRCAlignErrors	Frame Receive Alignment Error Packet Count	-
rmon15minRxEthStatsCRCAlignErrorsStatusInfo	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)	-
rmon15minHCRxUnknownTPID	RX Unknown TPID RMON 15min Unknown TPID	-
rmon15minHCRxUnknownTPIDStatusInfo	RX Unknown TPID RMON 15min Unknown TPID 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.	
rmon15minHCRxUnknownVID	RX Unknown VID RMON 15min Unknown VID	-
rmon15minHCRxUnknownVIDStatusInfo	RX Unknown VID RMON 15min Unknown VID 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.	
rmon15minHCRxMAClimit	RX MAC Limit RMON 15min RX MAC Limit	-

rmon15minHCRxMAClimitStatusInfo	RX MAC Limit RMON 15min RX MAC Limit 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.	
rmon15minHCRxFilterDiscard	RX Filter Discard RMON 15min RX Filter Discard	-
rmon15minHCRxFilterDiscardStatusInfo	RX Filter Discard RMON 15min RX Filter Discard 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.	
rmon15minHCRxQoSDiscard	RX QoS Discard RMON 15min RX QoS Discard	-
rmon15minHCRxQoSDiscardStatusInfo	RX QoS Discard RMON 15min RX QoS Discard 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.	
rmon15minHCTxQueue0Discard	TX Queue0 Discard RMON 15min TX Queue0 Discard	-
rmon15minHCTxQueue0DiscardStatusInfo	TX Queue0 Discard RMON 15min TX Queue0 Discard 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon15minHCTxQueue1Discard	TX Queue1 Discard RMON 15min TX Queue1 Discard	-
rmon15minHCTxQueue1DiscardStatusInfo	TX Queue1 Discard RMON 15min TX Queue1 Discard 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.	

	0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon15minHCTxQueue2Discard	TX Queue2 Discard RMON 15min TX Queue2 Discard	-
rmon15minHCTxQueue2DiscardStatusInfo	TX Queue2 Discard RMON 15min TX Queue2 Discard 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon15minHCTxQueue3Discard	TX Queue3 Discard RMON 15min TX Queue3 Discard	-
rmon15minHCTxQueue3DiscardStatusInfo	TX Queue3 Discard RMON 15min TX Queue3 Discard 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon15minHCTxQueue4Discard	TX Queue4 Discard RMON 15min TX Queue4 Discard	-
rmon15minHCTxQueue4DiscardStatusInfo	TX Queue4 Discard RMON 15min TX Queue4 Discard 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon15minHCTxQueue5Discard	TX Queue5 Discard RMON 15min TX Queue5 Discard	-
rmon15minHCTxQueue5DiscardStatusInfo	TX Queue5 Discard RMON 15min TX Queue5 Discard 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon15minHCTxQueue6Discard	TX Queue6 Discard RMON 15min TX Queue6 Discard	-
rmon15minHCTxQueue6Discard StatusInfo	TX Queue6 Discard RMON 15min TX Queue6 Discard 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. 0:Invalid 1:Valid-no-maintenance 2:valid-maintenance 3:invalid-no-maintenance 4:invalid-maintenance	-
rmon15minHCTxQueue7Discard	TX Queue7 Discard RMON 15min TX Queue7 Discard	-
rmon15minHCTxQueue7Discard StatusInfo	TX Queue7 Discard RMON 15min TX Queue7 Discard 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
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)	-

rmon15minPortGroup rmon15minPort2Table

Object Name	Item	Trap Type
rmon15minPort2IfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1-4: Port1-4 Path Number The value is fixed at 0.	-

rmon15minPort2NEAddress	iPASOLINK NE IP Address (used as index of this table)	-
rmon15minHCRxEthStatsOctets2	RX Octs RMON 15min RX Octs	-
rmon15minHCRxEthStatsOctets2Status	RX Octs RMON 15min RX 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCTxEthStatsOctets2	TX Octs RMON 15min TX Octs	-
rmon15minHCTxEthStatsOctets2Status	TX Octs RMON 15min TX 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxEthStatsPkts2	RX Pkts RMON 15min RX Pkts	-
rmon15minHCRxEthStatsPkts2Status	RX Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCTxEthStatsPkts2	TX Pkts RMON 15min TX Pkts	-
rmon15minHCTxEthStatsPkts2Status	TX Pkts 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. 0:Invalid 1:validNoMaint	-

	2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon15minRxEthStatsDropEvents2	RX Drop Events RMON 15min RX Drop Events	-
rmon15minRxEthStatsDropEvents2Status	RX Drop Events 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minRxEthStatsUndersizePkts2	RX Undersize Pkts RMON 15min RX Undersize Pkts	-
rmon15minRxEthStatsUndersizePkts2Status	RX Undersize Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minRxEthStatsFragments2	RX Fragments RMON 15min RX Fragments	-
rmon15minRxEthStatsFragments2Status	RX Fragments 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxEthStatsPkts64Octets2	RX 64Octs MON 15min RX 64 Octs	-
rmon15minHCRxEthStatsPkts64Octets2Status	RX 64Octs 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.	
rmon15minHCTxEthStatsPkts64Octets2	TX 64Octs RMON 15min TX 64 Octs	-
rmon15minHCTxEthStatsPkts64Octets2Status	TX 64Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxEthStatsPkts65to127Octets2	RX 65 to 127Octs RMON 15min RX 65 to 127 Octs	-
rmon15minHCRxEthStatsPkts65to127Octets2Status	RX 65 to 127Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCTxEthStatsPkts65to127Octets2	TX 65 to 127Octs RMON 15min TX 65 to 127 Octs	-
rmon15minHCTxEthStatsPkts65to127Octets2Status	TX 65 to 127Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxEthStatsPkts128to255Octets2	RX 128 to 255Octs RMON 15min RX 128 to 255 Octs	-
rmon15minHCRxEthStatsPkts128to255Octets2Status	RX 128 to 255Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon15minHCTxEthStatsPkts128to255Octets2	TX 128 to 255Octs RMON 15min TX 128 to 255 Octs	-
rmon15minHCTxEthStatsPkts128to255Octets2Status	TX 128 to 255Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxEthStatsPkts256to511Octets2	RX 256 to 511Octs RMON 15min RX 256 to 511 Octs	-
rmon15minHCRxEthStatsPkts256to511Octets2Status	RX 256 to 511Octs 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. 0:Invalid 1:ValidNoMaint 2:validMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCTxEthStatsPkts256to511Octets2	TX 256 to 511Octs RMON 15min TX 256 to 511 Octs	-
rmon15minHCTxEthStatsPkts256to511Octets2Status	TX 256 to 511Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxEthStatsPkts512to1023Octets2	RX 512 to 1023Octs RMON 15min RX 512 to 1023 Octs	-
rmon15minHCRxEthStatsPkts512to1023Octets2Status	RX 512 to 1023Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon15minHCTxEthStatsPkts512to1023Octets2	TX 512 to 1023Octs RMON 15min TX 512 to 1023 Octs	-
rmon15minHCTxEthStatsPkts512to1023Octets2Status	TX 512 to 1023Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxEthStatsPkts1024to1518Octets2	RX 1024 to 1518Octs RMON 15min RX 1024 to 1518 Octs	-
rmon15minHCRxEthStatsPkts1024to1518Octets2Status	RX 1024 to 1518Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCTxEthStatsPkts1024to1518Octets2	TX 1024 to 1518Octs RMON 15min TX 1024 to 1518 Octs	-
rmon15minHCTxEthStatsPkts1024to1518Octets2Status	TX 1024 to 1518Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint	-

	3:InvalidNoMaint 4:InvalidMaint	
rmon15minRxEthStatsCRCAlignErrors2	RX CRC Alignment Errors RMON 15min RX CRC Alignment Errors	-
rmon15minRxEthStatsCRCAlignErrors2Status	RX CRC Alignment Errors 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minRxEthStatsOversizePkts2	RX Oversize Pkts RMON 15min RX Oversize Pkts	-
rmon15minRxEthStatsOversizePkts2Status	RX Oversize Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minRxEthStatsJabbers2	RX Jabbers RMON 15min RX Jabbers	-
rmon15minRxEthStatsJabbers2Status	RX Jabbers 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minRxEthStatsMulticastPkts2	RX Multicast Pkts RMON 15min RX Multicast Pkts	-
rmon15minRxEthStatsMulticastPkts2Status	RX Multicast Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon15minTxEthStatsMulticastPkts2	TX Multicast Pkts RMON 15min TX Multicast Pkts	-
rmon15minTxEthStatsMulticastPkts2Status	TX Multicast Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minRxEthStatsBroadcastPkts2	RX Broadcast Pkts RMON 15min RX Broadcast Pkts	-
rmon15minRxEthStatsBroadcastPkts2Status	RX Broadcast Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minTxEthStatsBroadcastPkts2	TX Broadcast Pkts RMON 15min TX Broadcast Pkts	-
rmon15minTxEthStatsBroadcastPkts2Status	TX Broadcast Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minTxEthStatsCollisions2	TX Collisions RMON 15min TX Collisions	-
rmon15minTxEthStatsCollisions2Status	TX Collisions 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon15minHCRxUnknownTPID2	RX Unknown TPID RMON 15min Unknown TPID	-
rmon15minHCRxUnknownTPID2Status	RX Unknown TPID RMON 15min Unknown TPID 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxUnknownVID2	RX Unknown VID RMON 15min Unknown VID	-
rmon15minHCRxUnknownVID2Status	RX Unknown VID RMON 15min Unknown VID 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxMAClimit2	RX MAC Limit RMON 15min RX MAC Limit	-
rmon15minHCRxMAClimit2Status	RX MAC Limit RMON 15min RX MAC Limit 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-

rmon15minHCRxFilterDiscard2	RX Filter Discard RMON 15min RX Filter Discard	-
rmon15minHCRxFilterDiscard2Status	RX Filter Discard RMON 15min RX Filter Discard 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCRxQoSDiscard2	RX QoS Discard RMON 15min RX QoS Discard	-
rmon15minHCRxQoSDiscard2Status	RX QoS Discard RMON 15min RX QoS Discard 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon15minHCTxQueue0Discard2	TX Queue0 Discard RMON 15min TX Queue0 Discard	-
rmon15minHCTxQueue0Discard2Status	TX Queue0 Discard RMON 15min TX Queue0 Discard 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.	-
rmon15minHCTxQueue1Discard2	TX Queue1 Discard RMON 15min TX Queue1 Discard	-
rmon15minHCTxQueue1Discard2Status	TX Queue1 Discard RMON 15min TX Queue1 Discard 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.	-
rmon15minHCTxQueue2Discard2	TX Queue2 Discard RMON 15min TX Queue2 Discard	-
rmon15minHCTxQueue2Discard2Status	TX Queue2 Discard RMON 15min TX Queue2 Discard	-

	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.	
rmon15minHCTxQueue3Discard2	TX Queue3 Discard RMON 15min TX Queue3 Discard	-
rmon15minHCTxQueue3Discard2Status	TX Queue3 Discard RMON 15min TX Queue3 Discard 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.	-
rmon15minHCTxQueue4Discard2	TX Queue4 Discard RMON 15min TX Queue4 Discard	-
rmon15minHCTxQueue4Discard2Status	TX Queue4 Discard RMON 15min TX Queue4 Discard 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.	-
rmon15minHCTxQueue5Discard2	TX Queue5 Discard RMON 15min TX Queue5 Discard	-
rmon15minHCTxQueue5Discard2Status	TX Queue5 Discard RMON 15min TX Queue5 Discard 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.	-
rmon15minHCTxQueue6Discard2	TX Queue6 Discard RMON 15min TX Queue6 Discard	-
rmon15minHCTxQueue6Discard2Status	TX Queue6 Discard RMON 15min TX Queue6 Discard 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.	-
rmon15minHCTxQueue7Discard2	TX Queue7 Discard RMON 15min TX Queue7 Discard	-
rmon15minHCTxQueue7Discard2Status	TX Queue7 Discard RMON 15min TX Queue7 Discard 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.	
rmon15minTxEthStatsOversizePkts2	TX Oversize Pkts RMON 15min TX Oversize Pkts.	-
rmon15minTxEthStatsOversizePkts2Status	TX Oversize Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-

rmon1dayPortGroup rmon1dayPortTable

Object Name	Item	Trap Type
rmon1dayIfIndex	I Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1-4:Port1-Port4 Path Number The value is fixed at 0.	-
rmon1dayNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
rmon1dayHCRxEthStatsOctets	RX Octs RMON 1day RX Octs	-
rmon1dayHCRxEthStatsOctetsStatusInfo	RX Octs RMON 1day RX 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
rmon1dayHCTxEthStatsOctets	TX Octs RMON 1day TX Octs	-
rmon1dayHCTxEthStatsOctetsStatusInfo	TX Octs RMON 1day TX 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
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 256o511Octets 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 512o1023Octets 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)	-
rmon1dayRxEthStatsCRCAlignErrors	Frame Receive Alignment Error Packet Count	-
rmon1dayRxEthStatsCRCAlignErrorsStatusInfo	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)	-

rmon1dayHCRxUnknownTPID	RX Unknown TPID RMON 1day RX Unknown TPID.	-
rmon1dayHCRxUnknownTPIDStatusInfo	RX Unknown TPID RMON 1day RX Unknown TPID 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
rmon1dayHCRxUnknownVID	RX Unknown VID RMON 1day RX Unknown VID.	-
rmon1dayHCRxUnknownVIDStatusInfo	RX Unknown VID RMON 1day RX Unknown VID 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
rmon1dayHCRxMAClimit	RX MAC Limit RMON 1day RX MAC Limit.	-
rmon1dayHCRxMAClimitStatusInfo	RX MAC Limit RMON 1day RX MAC Limit 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
rmon1dayHCRxFilterDiscard	RX Filter Discard RMON 1day RX Filter Discard.	-
rmon1dayHCRxFilterDiscardStatusInfo	RX Filter Discard RMON 1day RX Filter Discard 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.	-

	0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon1dayHCRxQoSDiscard	RX QoS Discard RMON 1day RX QoS Discard.	-
rmon1dayHCRxQoSDiscardStatusInfo	RX QoS Discard RMON 1day RX QoS Discard 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
rmon1dayHCTxQueue0Discard	TX Queue0 Discard RMON 1day TX Queue0 Discard.	-
rmon1dayHCTxQueue0DiscardStatusInfo	TX Queue0 Discard RMON 1day TX Queue0 Discard 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.	-
rmon1dayHCTxQueue1Discard	TX Queue1 Discard RMON 1day TX Queue1 Discard.	-
rmon1dayHCTxQueue1DiscardStatusInfo	TX Queue1 Discard RMON 1day TX Queue1 Discard 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.	-
rmon1dayHCTxQueue2Discard	TX Queue2 Discard RMON 1day TX Queue2 Discard.	-
rmon1dayHCTxQueue2DiscardStatusInfo	TX Queue2 Discard RMON 1day TX Queue2 Discard 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.	-
rmon1dayHCTxQueue3Discard	TX Queue3 Discard RMON 1day TX Queue3 Discard.	-
rmon1dayHCTxQueue3DiscardStatusInfo	TX Queue3 Discard RMON 1day TX Queue3 Discard	-

	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.	
rmon1dayHCTxQueue4Discard	TX Queue4 Discard RMON 1day TX Queue4 Discard.	-
rmon1dayHCTxQueue4DiscardStatusInfo	TX Queue4 Discard RMON 1day TX Queue4 Discard 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.	-
rmon1dayHCTxQueue5Discard	TX Queue5 Discard RMON 1day TX Queue5 Discard.	-
rmon1dayHCTxQueue5DiscardStatusInfo	TX Queue5 Discard RMON 1day TX Queue5 Discard 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.	-
rmon1dayHCTxQueue6Discard	TX Queue6 Discard RMON 1day TX Queue6 Discard.	-
rmon1dayHCTxQueue6DiscardStatusInfo	TX Queue6 Discard RMON 1day TX Queue6 Discard 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.	-
rmon1dayHCTxQueue7Discard	TX Queue7 Discard RMON 1day TX Queue7 Discard.	-
rmon1dayHCTxQueue7DiscardStatusInfo	TX Queue7 Discard RMON 1day TX Queue7 Discard 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.	-
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)	

rmon1dayPortGroup **rmon1dayPort2Table**

Object Name	Item	Trap Type
rmon1dayPort2IfIndex	Index Type is “ifindex”. Slot Number +1 Range:1-5 Port Number 1-4: Port1-4 Path Number The value is fixed at 0.	-
rmon1dayPort2NEAddress	iPASOLINK NE IP Address (used as index of this table)	-
rmon1dayHCRxEthStatsOctets2	RX Octs RMON 1day RX Octs	-
rmon1dayHCRxEthStatsOctets2 Status	RX Octs RMON 1day RX 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCTxEthStatsOctets2	TX Octs RMON 1day TX Octs	-
rmon1dayHCTxEthStatsOctets2 Status	TX Octs RMON 1day TX 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCRxEthStatsPkts2	RX Pkts RMON 1day RX Pkts	-
rmon1dayHCRxEthStatsPkts2Status	RX Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint	-

	4:InvalidMaint	
rmon1dayHCTxEthStatsPkts2	TX Pkts RMON 1day TX Pkts	-
rmon1dayHCTxEthStatsPkts2Status	TX Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayRxEthStatsDropEvents2	RX Drop Events RMON 1day RX Drop Events	-
rmon1dayRxEthStatsDropEvents2Status	RX Drop Events 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayRxEthStatsUndersizePkts2	RX Undersize Pkts RMON 1day RX Undersize Pkts	-
rmon1dayRxEthStatsUndersizePkts2Status	RX Undersize Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayRxEthStatsFragments2	RX Fragments RMON 1day RX Fragments	-
rmon1dayRxEthStatsFragments2Status	RX Fragments 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.	-

	0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon1dayHCRxEthStatsPkts64Octets2	RX 64Octs RMON 1day RX 64 Octs	-
rmon1dayHCRxEthStatsPkts64Octets2Status	RX 64Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCTxEthStatsPkts64Octets2	TX 64Octs RMON 1day TX 64 Octs	-
rmon1dayHCTxEthStatsPkts64Octets2Status	TX 64Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCRxEthStatsPkts65to127Octets2	RX 65 to 127Octs RMON 1day RX 65 to 127 Octs	-
rmon1dayHCRxEthStatsPkts65to127Octets2Status	RX 65 to 127Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCTxEthStatsPkts65to127Octets2	TX 65 to 127Octs RMON 1day TX 65 to 127 Octs	-
rmon1dayHCTxEthStatsPkts65to127Octets2Status	TX 65 to 127Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon1dayHCRxEthStatsPkts128to255Octets2	RX 128 to 255Octs RMON 1day RX 128 to 255 Octs	-
rmon1dayHCRxEthStatsPkts128to255Octets2Status	RX 128 to 255Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCTxEthStatsPkts128to255Octets2	TX 128 to 255Octs RMON 1day TX 128 to 255 Octs	-
rmon1dayHCTxEthStatsPkts128to255Octets2Status	TX 128 to 255Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCRxEthStatsPkts256to511Octets2	RX 256 to 511Octs RMON 1day RX 256 to 511 Octs	-
rmon1dayHCRxEthStatsPkts256to511Octets2Status	RX 256 to 511Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCTxEthStatsPkts256to511Octets2	TX 256 to 511Octs RMON 1day TX 256 to 511 Octs	-
rmon1dayHCTxEthStatsPkts256to511Octets2Status	TX 256 to 511Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon1dayHCRxEthStatsPkts512to1023Octets2	RX 512 to 1023Octs RMON 1day RX 512 to 1023 Octs	-
rmon1dayHCRxEthStatsPkts512to1023Octets2Status	RX 512 to 1023Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCTxEthStatsPkts512to1023Octets2	TX 512 to 1023Octs RMON 1day TX 512 to 1023 Octs	-
rmon1dayHCTxEthStatsPkts512to1023Octets2Status	TX 512 to 1023Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCRxEthStatsPkts1024to1518Octets2	RX 1024 to 1518Octs RMON 1day RX 1024 to 1518 Octs	-
rmon1dayHCRxEthStatsPkts1024to1518Octets2Status	RX 1024 to 1518Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint	-

	4:InvalidMaint	
rmon1dayHCTxEthStatsPkts1024to1518Octets2	TX 1024 to 1518Octs RMON 1day TX 1024 to 1518 Octs	-
rmon1dayHCTxEthStatsPkts1024to1518Octets2Status	TX 1024 to 1518Octs 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayRxEthStatsCRCAlignErrors2	RX CRC Alignment Errors RMON 1day RX CRC Alignment Errors	-
rmon1dayRxEthStatsCRCAlignErrors2Status	RX CRC Alignment Errors 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayRxEthStatsOversizePkts2	RX Oversize Pkts RMON 1day RX Oversize Pkts	-
rmon1dayRxEthStatsOversizePkts2Status	RX Oversize Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayRxEthStatsJabbers2	RX Jabbers RMON 1day RX Jabbers	-
rmon1dayRxEthStatsJabbers2Status	RX Jabbers 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon1dayRxEthStatsMulticastPkts2	RX Multicast Pkts RMON 1day RX Multicast Pkts	-
rmon1dayRxEthStatsMulticastPkts2Status	RX Multicast Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayTxEthStatsMulticastPkts2	TX Multicast Pkts RMON 1day TX Multicast Pkts.	-
rmon1dayTxEthStatsMulticastPkts2Status	TX Multicast Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayRxEthStatsBroadcastPkts2	RX Broadcast Pkts RMON 1day RX Broadcast Pkts.	-
rmon1dayRxEthStatsBroadcastPkts2Status	RX Broadcast Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayTxEthStatsBroadcastPkts2	TX Broadcast Pkts RMON 1day TX Broadcast Pkts.	-
rmon1dayTxEthStatsBroadcastPkts2Status	TX Broadcast Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	
rmon1dayTxEthStatsCollisions2	TX Collisions RMON 1day TX Collisions.	-
rmon1dayTxEthStatsCollisions2 Status	TX Collisions RMON 1day TX Collistions 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCRxUnknownTPID2	RX Unknown TPID RMON 1day RX Unknown TPID.	-
rmon1dayHCRxUnknownTPID2 Status	RX Unknown TPID RMON 1day RX Unknown TPID 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCRxUnknownVID2	RX Unknown VID RMON 1day RX Unknown VID.	-
rmon1dayHCRxUnknownVID2Status	RX Unknown VID RMON 1day RX Unknown VID 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-

rmon1dayHCRxMAClimit2	RX MAC Limit RMON 1day RX MAC Limit.	-
rmon1dayHCRxMAClimit2Status	RX MAC Limit RMON 1day RX MAC Limit 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCRxFilterDiscard2	RX Filter Discard rmon1dayHCRxFilterDiscard2	-
rmon1dayHCRxFilterDiscard2Status	RX Filter Discard RMON 1day RX Filter Discard 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCRxQoSDiscard2	RX QoS Discard RMON 1day RX QoS Discard.	-
rmon1dayHCRxQoSDiscard2Status	RX QoS Discard RMON 1day RX QoS Discard 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-
rmon1dayHCTxQueue0Discard2	TX Queue0 Discard RMON 1day TX Queue0 Discard.	-
rmon1dayHCTxQueue0Discard2Status	TX Queue0 Discard RMON 1day TX Queue0 Discard 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.	-

rmon1dayHCTxQueue1Discard2	TX Queue1 Discard RMON 1day TX Queue0 Discard.	-
rmon1dayHCTxQueue1Discard2 Status	TX Queue1 Discard RMON 1day TX Queue0 Discard 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.	-
rmon1dayHCTxQueue2Discard2	TX Queue2 Discard RMON 1day TX Queue2 Discard.	-
rmon1dayHCTxQueue2Discard2 Status	TX Queue2 Discard RMON 1day TX Queue2 Discard 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.	-
rmon1dayHCTxQueue3Discard2	TX Queue3 Discard RMON 1day TX Queue3 Discard.	-
rmon1dayHCTxQueue3Discard2 Status	TX Queue3 Discard RMON 1day TX Queue3 Discard 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.	-
rmon1dayHCTxQueue4Discard2	TX Queue4 Discard RMON 1day TX Queue4 Discard.	-
rmon1dayHCTxQueue4Discard2 Status	TX Queue4 Discard RMON 1day TX Queue4 Discard 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.	-
rmon1dayHCTxQueue5Discard2	TX Queue5 Discard RMON 1day TX Queue5 Discard.	-
rmon1dayHCTxQueue5Discard2 Status	TX Queue5 Discard RMON 1day TX Queue5 Discard 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.	-
rmon1dayTxEthStatsOversizePkts2	TX Oversize Pkts RMON 1day TX Oversize Pkts.	-

rmon1dayTxEthStatsOversizePkts2Status	TX Oversize Pkts 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. 0:Invalid 1:ValidNoMaint 2:ValidMaint 3:InvalidNoMaint 4:InvalidMaint	-

rmon15minVlanGroup rmon15minVlanTable

Object Name	Item	Trap Type
rmon15minVlanCounterIndex	Range:1-8	-
rmon15minVlanCounterNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
rmon15minHCRxFrame	VLAN RX Frame RMON 15min VLAN RX Frames	-
rmon15minHCRxFrameStatusInfo	VLAN RX Frame RMON 15min VLAN RX Frames 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
rmon15minHCTxFrame	VLAN TX Frame RMON 15min VLAN TX Frames	
rmon15minHCTxFrameStatusInfo	VLAN TX Frame RMON 15min VLAN TX Frames 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon15minHCRxQoSDiscardFrame	VLAN RX QoS Discard Frame RMON 15min RX QoS Discard Frames	
rmon15minHCRxQoSDiscardFrameStatusInfo	VLAN RX QoS Discard Frame RMON 15min RX QoS Discard Frames 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	

rmon1dayVlanGroup **rmon1dayVlanTable**

Object Name	Item	Trap Type
rmon1dayVlanCounterIndex	Range:1-8	-
rmon1dayVlanCounterNEAddress	iPASOLINK NE IP Address (used as index of this table)	-
rmon1dayHCRxFrame	VLAN RX Frame RMON 1day VLAN RX Frames	-
rmon1dayHCRxFrameStatusInfo	VLAN RX Frame RMON 15min VLAN RX Frames 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	-
rmon1dayHCTxFrame	VLAN TX Frame RMON 1day VLAN TX Frames	
rmon1dayHCTxFrameStatusInfo	VLAN TX Frame RMON 1day VLAN TX Frames 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	
rmon1dayHCRxQoSDiscardFrame	VLAN RX QoS Discard Frame RMON 15min RX QoS Discard Frames	
rmon1dayHCRxQoSDiscardFrameStatusInfo	VLAN RX QoS Discard Frame RMON 15min RX QoS Discard Frames 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. 0:Invalid 1:Valid-no-maintenance 2:Valid-maintenance 3:Invalid-no-maintenance 4:Invalid-maintenance	

Appendix 1: Index - 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	[0: For LAG/Radio redundancy] [For Slots] 1: Slot0(Main Card) 2: Slot1(Univ.) 3: Slot2(Univ.) 4: Slot3(Univ.) 5: Slot4(Univ.) 6: Slot5(PS1) 7: Slot6(PS2) 8: Slot7(FAN) *For MODEM SW GRP configuration, this will be the lower numbered Slot. * When configuring APS between the cards, only odd numbered slots are valid. When configuring APS within a card, slot number for that card is valid.
22-16 (7bit)	Port Number	[When Slot Number is other than 0] 1-4 : Line/Radio Physical ports * When configuring APS within a card, only Port1 is valid. When configuring APS between the cards, Port1 or Port2 whichever applicable is valid. 0 : Internal E1 channel of MSE 1 : Internal ETH port of MSE 1-2 : Internal ETH ports of PTP 2 : lowPDV port of MODEM [When Slot Number = 0] 1-64 : ETH Logical LAG Port 65-80 : Radio Logical LAG Port
15-0 (16bit)	Path Number	[For Cross Connect end point (bit15 = 0)] 1-16 : E1Channel 1-152 : Modem Path 1-63 : STM1 VC-12 1-64 : MSE E1Channel [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: For Physical port]

2. The combinations of slot and card type on iPASOLINK400.

The combinations of slots on iPASOLINK400 and mounting various cards to Universal Slot are indicated in the following.

1 (Univ.)	2 (Univ.)	3 (Univ.)	4 (Univ.)		7 (FAN)
0 (Main Card)			5 (PS1)	6 (PS2)	

Card	Possible combinations of slot number and card types for Univ.-Slot.
MODEM	1-4
16E1	1-4
STM-1	1-4
GbE	1-4
AUX	3,4
MSE	1-4
PTP	1-4

3. ifIndex: Examples

Below are some examples of IfIndex.

Example 1)

For MODEM Slot1:

Slot Number: 2
Port Number: 1
Path Number: 0
Hexadecimal number: 0x1010000
Decimal number: 16842752

Ex. 2)

For Port4 of Main Card (GbE):

Slot Number: 1
Port Number: 4
Path Number: 0
Hexadecimal number: 0x840000
Decimal number: 8650752

Ex. 3)

For Port1 of Slot3 (STM-1) Through Mode:

Slot Number: 4
Port Number: 1
Path Number: 0
Hexadecimal number: 0x2010000
Decimal number: 33619968

Ex. 4)

For CH16 of Slot3 (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 Card (16E1):

Slot Number: 1
Port Number: 1
Path Number: 8
Hexadecimal number: 0x810008
Decimal number: 8454152

Ex. 6)

For CH08 of Slot3 (16E1):

Slot Number: 4
Port Number: 1
Path Number: 8
Hexadecimal number: 0x2010008
Decimal number: 33619976

Appendix 2: IfIndex - List

Slot Number	Port Number	Path Number	Decimal number	Comments
0	1	0	65536	ETH Logical LAG Port1
0	2	0	131072	ETH Logical LAG Port2
0	3	0	196608	ETH Logical LAG Port3
0	4	0	262144	ETH Logical LAG Port4
0	5	0	327680	ETH Logical LAG Port5
0	6	0	393216	ETH Logical LAG Port6
0	7	0	458752	ETH Logical LAG Port7
0	8	0	524288	ETH Logical LAG Port8
0	65	0	4259840	Radio Logical LAG Port65
0	66	0	4325376	Radio Logical LAG Port66
1	1	0	8454144	Main GbE Port1
1	1	1	8454145	Main 16E1 CH01
1	1	2	8454146	Main 16E1 CH02
1	1	3	8454147	Main 16E1 CH03
1	1	4	8454148	Main 16E1 CH04
1	1	5	8454149	Main 16E1 CH05
1	1	6	8454150	Main 16E1 CH06
1	1	7	8454151	Main 16E1 CH07
1	1	8	8454152	Main 16E1 CH08
1	1	9	8454153	Main 16E1 CH09
1	1	10	8454154	Main 16E1 CH10
1	1	11	8454155	Main 16E1 CH11
1	1	12	8454156	Main 16E1 CH12
1	1	13	8454157	Main 16E1 CH13
1	1	14	8454158	Main 16E1 CH14
1	1	15	8454159	Main 16E1 CH15
1	1	16	8454160	Main 16E1 CH16
1	2	0	8519680	Main GbE Port2
1	3	0	8585216	Main GbE Port3
1	4	0	8650752	Main GbE Port4
2	0	1	16777217	Slot01 MSE Internal CH01
2	0	2	16777218	Slot01 MSE Internal CH02
2	0	3	16777219	Slot01 MSE Internal CH03
2	0	4	16777220	Slot01 MSE Internal CH04
2	0	5	16777221	Slot01 MSE Internal CH05
2	0	6	16777222	Slot01 MSE Internal CH06
2	0	7	16777223	Slot01 MSE Internal CH07
2	0	8	16777224	Slot01 MSE Internal CH08
2	0	9	16777225	Slot01 MSE Internal CH09
2	0	10	16777226	Slot01 MSE Internal CH10
2	0	11	16777227	Slot01 MSE Internal CH11
2	0	12	16777228	Slot01 MSE Internal CH12
2	0	13	16777229	Slot01 MSE Internal CH13
2	0	14	16777230	Slot01 MSE Internal CH14
2	0	15	16777231	Slot01 MSE Internal CH15
2	0	16	16777232	Slot01 MSE Internal CH16
2	0	17	16777233	Slot01 MSE Internal CH17
2	0	18	16777234	Slot01 MSE Internal CH18
2	0	19	16777235	Slot01 MSE Internal CH19
2	0	20	16777236	Slot01 MSE Internal CH20
2	0	21	16777237	Slot01 MSE Internal CH21
2	0	22	16777238	Slot01 MSE Internal CH22
2	0	23	16777239	Slot01 MSE Internal CH23
2	0	24	16777240	Slot01 MSE Internal CH24
2	0	25	16777241	Slot01 MSE Internal CH25
2	0	26	16777242	Slot01 MSE Internal CH26
2	0	27	16777243	Slot01 MSE Internal CH27
2	0	28	16777244	Slot01 MSE Internal CH28
2	0	29	16777245	Slot01 MSE Internal CH29

2	0	30	16777246	Slot01 MSE Internal CH30
2	0	31	16777247	Slot01 MSE Internal CH31
2	0	32	16777248	Slot01 MSE Internal CH32
2	0	33	16777249	Slot01 MSE Internal CH33
2	0	34	16777250	Slot01 MSE Internal CH34
2	0	35	16777251	Slot01 MSE Internal CH35
2	0	36	16777252	Slot01 MSE Internal CH36
2	0	37	16777253	Slot01 MSE Internal CH37
2	0	38	16777254	Slot01 MSE Internal CH38
2	0	39	16777255	Slot01 MSE Internal CH39
2	0	40	16777256	Slot01 MSE Internal CH40
2	0	41	16777257	Slot01 MSE Internal CH41
2	0	42	16777258	Slot01 MSE Internal CH42
2	0	43	16777259	Slot01 MSE Internal CH43
2	0	44	16777260	Slot01 MSE Internal CH44
2	0	45	16777261	Slot01 MSE Internal CH45
2	0	46	16777262	Slot01 MSE Internal CH46
2	0	47	16777263	Slot01 MSE Internal CH47
2	0	48	16777264	Slot01 MSE Internal CH48
2	0	49	16777265	Slot01 MSE Internal CH49
2	0	50	16777266	Slot01 MSE Internal CH50
2	0	51	16777267	Slot01 MSE Internal CH51
2	0	52	16777268	Slot01 MSE Internal CH52
2	0	53	16777269	Slot01 MSE Internal CH53
2	0	54	16777270	Slot01 MSE Internal CH54
2	0	55	16777271	Slot01 MSE Internal CH55
2	0	56	16777272	Slot01 MSE Internal CH56
2	0	57	16777273	Slot01 MSE Internal CH57
2	0	58	16777274	Slot01 MSE Internal CH58
2	0	59	16777275	Slot01 MSE Internal CH59
2	0	60	16777276	Slot01 MSE Internal CH60
2	0	61	16777277	Slot01 MSE Internal CH61
2	0	62	16777278	Slot01 MSE Internal CH62
2	0	63	16777279	Slot01 MSE Internal CH63
2	0	64	16777280	Slot01 MSE Internal CH64
2	1	0	16842752	Slot01 MODEM/GbE/STM-1/MSE/PTP Port1
2	1	1	16842753	Slot01 MODEM/STM-1/16E1 CH001
2	1	2	16842754	Slot01 MODEM/STM-1/16E1 CH002
2	1	3	16842755	Slot01 MODEM/STM-1/16E1 CH003
2	1	4	16842756	Slot01 MODEM/STM-1/16E1 CH004
2	1	5	16842757	Slot01 MODEM/STM-1/16E1 CH005
2	1	6	16842758	Slot01 MODEM/STM-1/16E1 CH006
2	1	7	16842759	Slot01 MODEM/STM-1/16E1 CH007
2	1	8	16842760	Slot01 MODEM/STM-1/16E1 CH008
2	1	9	16842761	Slot01 MODEM/STM-1/16E1 CH009
2	1	10	16842762	Slot01 MODEM/STM-1/16E1 CH010
2	1	11	16842763	Slot01 MODEM/STM-1/16E1 CH011
2	1	12	16842764	Slot01 MODEM/STM-1/16E1 CH012
2	1	13	16842765	Slot01 MODEM/STM-1/16E1 CH013
2	1	14	16842766	Slot01 MODEM/STM-1/16E1 CH014
2	1	15	16842767	Slot01 MODEM/STM-1/16E1 CH015
2	1	16	16842768	Slot01 MODEM/STM-1/16E1 CH016
2	1	17	16842769	Slot01 MODEM/STM-1 CH017
2	1	18	16842770	Slot01 MODEM/STM-1 CH018
2	1	19	16842771	Slot01 MODEM/STM-1 CH019
2	1	20	16842772	Slot01 MODEM/STM-1 CH020
2	1	21	16842773	Slot01 MODEM/STM-1 CH021
2	1	22	16842774	Slot01 MODEM/STM-1 CH022
2	1	23	16842775	Slot01 MODEM/STM-1 CH023
2	1	24	16842776	Slot01 MODEM/STM-1 CH024
2	1	25	16842777	Slot01 MODEM/STM-1 CH025
2	1	26	16842778	Slot01 MODEM/STM-1 CH026
2	1	27	16842779	Slot01 MODEM/STM-1 CH027
2	1	28	16842780	Slot01 MODEM/STM-1 CH028

2	1	29	16842781	Slot01 MODEM/STM-1 CH029
2	1	30	16842782	Slot01 MODEM/STM-1 CH030
2	1	31	16842783	Slot01 MODEM/STM-1 CH031
2	1	32	16842784	Slot01 MODEM/STM-1 CH032
2	1	33	16842785	Slot01 MODEM/STM-1 CH033
2	1	34	16842786	Slot01 MODEM/STM-1 CH034
2	1	35	16842787	Slot01 MODEM/STM-1 CH035
2	1	36	16842788	Slot01 MODEM/STM-1 CH036
2	1	37	16842789	Slot01 MODEM/STM-1 CH037
2	1	38	16842790	Slot01 MODEM/STM-1 CH038
2	1	39	16842791	Slot01 MODEM/STM-1 CH039
2	1	40	16842792	Slot01 MODEM/STM-1 CH040
2	1	41	16842793	Slot01 MODEM/STM-1 CH041
2	1	42	16842794	Slot01 MODEM/STM-1 CH042
2	1	43	16842795	Slot01 MODEM/STM-1 CH043
2	1	44	16842796	Slot01 MODEM/STM-1 CH044
2	1	45	16842797	Slot01 MODEM/STM-1 CH045
2	1	46	16842798	Slot01 MODEM/STM-1 CH046
2	1	47	16842799	Slot01 MODEM/STM-1 CH047
2	1	48	16842800	Slot01 MODEM/STM-1 CH048
2	1	49	16842801	Slot01 MODEM/STM-1 CH049
2	1	50	16842802	Slot01 MODEM/STM-1 CH050
2	1	51	16842803	Slot01 MODEM/STM-1 CH051
2	1	52	16842804	Slot01 MODEM/STM-1 CH052
2	1	53	16842805	Slot01 MODEM/STM-1 CH053
2	1	54	16842806	Slot01 MODEM/STM-1 CH054
2	1	55	16842807	Slot01 MODEM/STM-1 CH055
2	1	56	16842808	Slot01 MODEM/STM-1 CH056
2	1	57	16842809	Slot01 MODEM/STM-1 CH057
2	1	58	16842810	Slot01 MODEM/STM-1 CH058
2	1	59	16842811	Slot01 MODEM/STM-1 CH059
2	1	60	16842812	Slot01 MODEM/STM-1 CH060
2	1	61	16842813	Slot01 MODEM/STM-1 CH061
2	1	62	16842814	Slot01 MODEM/STM-1 CH062
2	1	63	16842815	Slot01 MODEM/STM-1 CH063
2	1	64	16842816	Slot01 MODEM CH064
2	1	65	16842817	Slot01 MODEM CH065
2	1	66	16842818	Slot01 MODEM CH066
2	1	67	16842819	Slot01 MODEM CH067
2	1	68	16842820	Slot01 MODEM CH068
2	1	69	16842821	Slot01 MODEM CH069
2	1	70	16842822	Slot01 MODEM CH070
2	1	71	16842823	Slot01 MODEM CH071
2	1	72	16842824	Slot01 MODEM CH072
2	1	73	16842825	Slot01 MODEM CH073
2	1	74	16842826	Slot01 MODEM CH074
2	1	75	16842827	Slot01 MODEM CH075
2	1	76	16842828	Slot01 MODEM CH076
2	1	77	16842829	Slot01 MODEM CH077
2	1	78	16842830	Slot01 MODEM CH078
2	1	79	16842831	Slot01 MODEM CH079
2	1	80	16842832	Slot01 MODEM CH080
2	1	81	16842833	Slot01 MODEM CH081
2	1	82	16842834	Slot01 MODEM CH082
2	1	83	16842835	Slot01 MODEM CH083
2	1	84	16842836	Slot01 MODEM CH084
2	1	85	16842837	Slot01 MODEM CH085
2	1	86	16842838	Slot01 MODEM CH086
2	1	87	16842839	Slot01 MODEM CH087
2	1	88	16842840	Slot01 MODEM CH088
2	1	89	16842841	Slot01 MODEM CH089
2	1	90	16842842	Slot01 MODEM CH090
2	1	91	16842843	Slot01 MODEM CH091
2	1	92	16842844	Slot01 MODEM CH092

2	1	93	16842845	Slot01 MODEM CH093
2	1	94	16842846	Slot01 MODEM CH094
2	1	95	16842847	Slot01 MODEM CH095
2	1	96	16842848	Slot01 MODEM CH096
2	1	97	16842849	Slot01 MODEM CH097
2	1	98	16842850	Slot01 MODEM CH098
2	1	99	16842851	Slot01 MODEM CH099
2	1	100	16842852	Slot01 MODEM CH100
2	1	101	16842853	Slot01 MODEM CH101
2	1	102	16842854	Slot01 MODEM CH102
2	1	103	16842855	Slot01 MODEM CH103
2	1	104	16842856	Slot01 MODEM CH104
2	1	105	16842857	Slot01 MODEM CH105
2	1	106	16842858	Slot01 MODEM CH106
2	1	107	16842859	Slot01 MODEM CH107
2	1	108	16842860	Slot01 MODEM CH108
2	1	109	16842861	Slot01 MODEM CH109
2	1	110	16842862	Slot01 MODEM CH110
2	1	111	16842863	Slot01 MODEM CH111
2	1	112	16842864	Slot01 MODEM CH112
2	1	113	16842865	Slot01 MODEM CH113
2	1	114	16842866	Slot01 MODEM CH114
2	1	115	16842867	Slot01 MODEM CH115
2	1	116	16842868	Slot01 MODEM CH116
2	1	117	16842869	Slot01 MODEM CH117
2	1	118	16842870	Slot01 MODEM CH118
2	1	119	16842871	Slot01 MODEM CH119
2	1	120	16842872	Slot01 MODEM CH120
2	1	121	16842873	Slot01 MODEM CH121
2	1	122	16842874	Slot01 MODEM CH122
2	1	123	16842875	Slot01 MODEM CH123
2	1	124	16842876	Slot01 MODEM CH124
2	1	125	16842877	Slot01 MODEM CH125
2	1	126	16842878	Slot01 MODEM CH126
2	1	127	16842879	Slot01 MODEM CH127
2	1	128	16842880	Slot01 MODEM CH128
2	1	129	16842881	Slot01 MODEM CH129
2	1	130	16842882	Slot01 MODEM CH130
2	1	131	16842883	Slot01 MODEM CH131
2	1	132	16842884	Slot01 MODEM CH132
2	1	133	16842885	Slot01 MODEM CH133
2	1	134	16842886	Slot01 MODEM CH134
2	1	135	16842887	Slot01 MODEM CH135
2	1	136	16842888	Slot01 MODEM CH136
2	1	137	16842889	Slot01 MODEM CH137
2	1	138	16842890	Slot01 MODEM CH138
2	1	139	16842891	Slot01 MODEM CH139
2	1	140	16842892	Slot01 MODEM CH140
2	1	141	16842893	Slot01 MODEM CH141
2	1	142	16842894	Slot01 MODEM CH142
2	1	143	16842895	Slot01 MODEM CH143
2	1	144	16842896	Slot01 MODEM CH144
2	1	145	16842897	Slot01 MODEM CH145
2	1	146	16842898	Slot01 MODEM CH146
2	1	147	16842899	Slot01 MODEM CH147
2	1	148	16842900	Slot01 MODEM CH148
2	1	149	16842901	Slot01 MODEM CH149
2	1	150	16842902	Slot01 MODEM CH150
2	1	151	16842903	Slot01 MODEM CH151
2	1	152	16842904	Slot01 MODEM CH152
2	1	0x8001	16875521	Slot01 Radio SC1
2	1	0x8002	16875522	Slot01 Radio SC2
2	1	0x8003	16875523	Slot01 Radio SC3
2	1	0x8004	16875524	Slot01 Radio SC4

2	1	0x8005	16875525	Slot01 STM-1 F1
2	1	0x8006	16875526	Slot01 STM-1 E1
2	1	0x8007	16875527	Slot01 STM-1 DCCr
2	1	0x8008	16875528	Slot01 V11 Radio SC192k Connect
2	1	0x8011	16875537	Slot01 Radio CLA CH1
2	1	0x8012	16875538	Slot01 Radio CLA CH2
2	1	0x8013	16875539	Slot01 Radio CLA CH3
2	1	0x8014	16875540	Slot01 Radio CLA CH4
2	2	0	16908288	Slot01 MODEM/GbE/STM-1/PTP Port2
2	3	0	16973824	Slot01 GbE Port3
2	4	0	17039360	Slot01 GbE Port4
3	0	1	25165825	Slot02 MSE Internal CH01
3	0	2	25165826	Slot02 MSE Internal CH02
3	0	3	25165827	Slot02 MSE Internal CH03
3	0	4	25165828	Slot02 MSE Internal CH04
3	0	5	25165829	Slot02 MSE Internal CH05
3	0	6	25165830	Slot02 MSE Internal CH06
3	0	7	25165831	Slot02 MSE Internal CH07
3	0	8	25165832	Slot02 MSE Internal CH08
3	0	9	25165833	Slot02 MSE Internal CH09
3	0	10	25165834	Slot02 MSE Internal CH10
3	0	11	25165835	Slot02 MSE Internal CH11
3	0	12	25165836	Slot02 MSE Internal CH12
3	0	13	25165837	Slot02 MSE Internal CH13
3	0	14	25165838	Slot02 MSE Internal CH14
3	0	15	25165839	Slot02 MSE Internal CH15
3	0	16	25165840	Slot02 MSE Internal CH16
3	0	17	25165841	Slot02 MSE Internal CH17
3	0	18	25165842	Slot02 MSE Internal CH18
3	0	19	25165843	Slot02 MSE Internal CH19
3	0	20	25165844	Slot02 MSE Internal CH20
3	0	21	25165845	Slot02 MSE Internal CH21
3	0	22	25165846	Slot02 MSE Internal CH22
3	0	23	25165847	Slot02 MSE Internal CH23
3	0	24	25165848	Slot02 MSE Internal CH24
3	0	25	25165849	Slot02 MSE Internal CH25
3	0	26	25165850	Slot02 MSE Internal CH26
3	0	27	25165851	Slot02 MSE Internal CH27
3	0	28	25165852	Slot02 MSE Internal CH28
3	0	29	25165853	Slot02 MSE Internal CH29
3	0	30	25165854	Slot02 MSE Internal CH30
3	0	31	25165855	Slot02 MSE Internal CH31
3	0	32	25165856	Slot02 MSE Internal CH32
3	0	33	25165857	Slot02 MSE Internal CH33
3	0	34	25165858	Slot02 MSE Internal CH34
3	0	35	25165859	Slot02 MSE Internal CH35
3	0	36	25165860	Slot02 MSE Internal CH36
3	0	37	25165861	Slot02 MSE Internal CH37
3	0	38	25165862	Slot02 MSE Internal CH38
3	0	39	25165863	Slot02 MSE Internal CH39
3	0	40	25165864	Slot02 MSE Internal CH40
3	0	41	25165865	Slot02 MSE Internal CH41
3	0	42	25165866	Slot02 MSE Internal CH42
3	0	43	25165867	Slot02 MSE Internal CH43
3	0	44	25165868	Slot02 MSE Internal CH44
3	0	45	25165869	Slot02 MSE Internal CH45
3	0	46	25165870	Slot02 MSE Internal CH46
3	0	47	25165871	Slot02 MSE Internal CH47
3	0	48	25165872	Slot02 MSE Internal CH48
3	0	49	25165873	Slot02 MSE Internal CH49
3	0	50	25165874	Slot02 MSE Internal CH50
3	0	51	25165875	Slot02 MSE Internal CH51
3	0	52	25165876	Slot02 MSE Internal CH52
3	0	53	25165877	Slot02 MSE Internal CH53

3	0	54	25165878	Slot02 MSE Internal CH54
3	0	55	25165879	Slot02 MSE Internal CH55
3	0	56	25165880	Slot02 MSE Internal CH56
3	0	57	25165881	Slot02 MSE Internal CH57
3	0	58	25165882	Slot02 MSE Internal CH58
3	0	59	25165883	Slot02 MSE Internal CH59
3	0	60	25165884	Slot02 MSE Internal CH60
3	0	61	25165885	Slot02 MSE Internal CH61
3	0	62	25165886	Slot02 MSE Internal CH62
3	0	63	25165887	Slot02 MSE Internal CH63
3	0	64	25165888	Slot02 MSE Internal CH64
3	1	0	25231360	Slot02 MODEM/GbE/STM-1/MSE/PTP Port1
3	1	1	25231361	Slot02 MODEM/STM-1/16E1 CH001
3	1	2	25231362	Slot02 MODEM/STM-1/16E1 CH002
3	1	3	25231363	Slot02 MODEM/STM-1/16E1 CH003
3	1	4	25231364	Slot02 MODEM/STM-1/16E1 CH004
3	1	5	25231365	Slot02 MODEM/STM-1/16E1 CH005
3	1	6	25231366	Slot02 MODEM/STM-1/16E1 CH006
3	1	7	25231367	Slot02 MODEM/STM-1/16E1 CH007
3	1	8	25231368	Slot02 MODEM/STM-1/16E1 CH008
3	1	9	25231369	Slot02 MODEM/STM-1/16E1 CH009
3	1	10	25231370	Slot02 MODEM/STM-1/16E1 CH010
3	1	11	25231371	Slot02 MODEM/STM-1/16E1 CH011
3	1	12	25231372	Slot02 MODEM/STM-1/16E1 CH012
3	1	13	25231373	Slot02 MODEM/STM-1/16E1 CH013
3	1	14	25231374	Slot02 MODEM/STM-1/16E1 CH014
3	1	15	25231375	Slot02 MODEM/STM-1/16E1 CH015
3	1	16	25231376	Slot02 MODEM/STM-1/16E1 CH016
3	1	17	25231377	Slot02 MODEM/STM-1 CH017
3	1	18	25231378	Slot02 MODEM/STM-1 CH018
3	1	19	25231379	Slot02 MODEM/STM-1 CH019
3	1	20	25231380	Slot02 MODEM/STM-1 CH020
3	1	21	25231381	Slot02 MODEM/STM-1 CH021
3	1	22	25231382	Slot02 MODEM/STM-1 CH022
3	1	23	25231383	Slot02 MODEM/STM-1 CH023
3	1	24	25231384	Slot02 MODEM/STM-1 CH024
3	1	25	25231385	Slot02 MODEM/STM-1 CH025
3	1	26	25231386	Slot02 MODEM/STM-1 CH026
3	1	27	25231387	Slot02 MODEM/STM-1 CH027
3	1	28	25231388	Slot02 MODEM/STM-1 CH028
3	1	29	25231389	Slot02 MODEM/STM-1 CH029
3	1	30	25231390	Slot02 MODEM/STM-1 CH030
3	1	31	25231391	Slot02 MODEM/STM-1 CH031
3	1	32	25231392	Slot02 MODEM/STM-1 CH032
3	1	33	25231393	Slot02 MODEM/STM-1 CH033
3	1	34	25231394	Slot02 MODEM/STM-1 CH034
3	1	35	25231395	Slot02 MODEM/STM-1 CH035
3	1	36	25231396	Slot02 MODEM/STM-1 CH036
3	1	37	25231397	Slot02 MODEM/STM-1 CH037
3	1	38	25231398	Slot02 MODEM/STM-1 CH038
3	1	39	25231399	Slot02 MODEM/STM-1 CH039
3	1	40	25231400	Slot02 MODEM/STM-1 CH040
3	1	41	25231401	Slot02 MODEM/STM-1 CH041
3	1	42	25231402	Slot02 MODEM/STM-1 CH042
3	1	43	25231403	Slot02 MODEM/STM-1 CH043
3	1	44	25231404	Slot02 MODEM/STM-1 CH044
3	1	45	25231405	Slot02 MODEM/STM-1 CH045
3	1	46	25231406	Slot02 MODEM/STM-1 CH046
3	1	47	25231407	Slot02 MODEM/STM-1 CH047
3	1	48	25231408	Slot02 MODEM/STM-1 CH048
3	1	49	25231409	Slot02 MODEM/STM-1 CH049
3	1	50	25231410	Slot02 MODEM/STM-1 CH050
3	1	51	25231411	Slot02 MODEM/STM-1 CH051
3	1	52	25231412	Slot02 MODEM/STM-1 CH052

3	1	53	25231413	Slot02 MODEM/STM-1 CH053
3	1	54	25231414	Slot02 MODEM/STM-1 CH054
3	1	55	25231415	Slot02 MODEM/STM-1 CH055
3	1	56	25231416	Slot02 MODEM/STM-1 CH056
3	1	57	25231417	Slot02 MODEM/STM-1 CH057
3	1	58	25231418	Slot02 MODEM/STM-1 CH058
3	1	59	25231419	Slot02 MODEM/STM-1 CH059
3	1	60	25231420	Slot02 MODEM/STM-1 CH060
3	1	61	25231421	Slot02 MODEM/STM-1 CH061
3	1	62	25231422	Slot02 MODEM/STM-1 CH062
3	1	63	25231423	Slot02 MODEM/STM-1 CH063
3	1	64	25231424	Slot02 MODEM CH064
3	1	65	25231425	Slot02 MODEM CH065
3	1	66	25231426	Slot02 MODEM CH066
3	1	67	25231427	Slot02 MODEM CH067
3	1	68	25231428	Slot02 MODEM CH068
3	1	69	25231429	Slot02 MODEM CH069
3	1	70	25231430	Slot02 MODEM CH070
3	1	71	25231431	Slot02 MODEM CH071
3	1	72	25231432	Slot02 MODEM CH072
3	1	73	25231433	Slot02 MODEM CH073
3	1	74	25231434	Slot02 MODEM CH074
3	1	75	25231435	Slot02 MODEM CH075
3	1	76	25231436	Slot02 MODEM CH076
3	1	77	25231437	Slot02 MODEM CH077
3	1	78	25231438	Slot02 MODEM CH078
3	1	79	25231439	Slot02 MODEM CH079
3	1	80	25231440	Slot02 MODEM CH080
3	1	81	25231441	Slot02 MODEM CH081
3	1	82	25231442	Slot02 MODEM CH082
3	1	83	25231443	Slot02 MODEM CH083
3	1	84	25231444	Slot02 MODEM CH084
3	1	85	25231445	Slot02 MODEM CH085
3	1	86	25231446	Slot02 MODEM CH086
3	1	87	25231447	Slot02 MODEM CH087
3	1	88	25231448	Slot02 MODEM CH088
3	1	89	25231449	Slot02 MODEM CH089
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3	1	91	25231451	Slot02 MODEM CH091
3	1	92	25231452	Slot02 MODEM CH092
3	1	93	25231453	Slot02 MODEM CH093
3	1	94	25231454	Slot02 MODEM CH094
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3	1	96	25231456	Slot02 MODEM CH096
3	1	97	25231457	Slot02 MODEM CH097
3	1	98	25231458	Slot02 MODEM CH098
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3	1	100	25231460	Slot02 MODEM CH100
3	1	101	25231461	Slot02 MODEM CH101
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3	1	103	25231463	Slot02 MODEM CH103
3	1	104	25231464	Slot02 MODEM CH104
3	1	105	25231465	Slot02 MODEM CH105
3	1	106	25231466	Slot02 MODEM CH106
3	1	107	25231467	Slot02 MODEM CH107
3	1	108	25231468	Slot02 MODEM CH108
3	1	109	25231469	Slot02 MODEM CH109
3	1	110	25231470	Slot02 MODEM CH110
3	1	111	25231471	Slot02 MODEM CH111
3	1	112	25231472	Slot02 MODEM CH112
3	1	113	25231473	Slot02 MODEM CH113
3	1	114	25231474	Slot02 MODEM CH114
3	1	115	25231475	Slot02 MODEM CH115
3	1	116	25231476	Slot02 MODEM CH116

3	1	117	25231477	Slot02 MODEM CH117
3	1	118	25231478	Slot02 MODEM CH118
3	1	119	25231479	Slot02 MODEM CH119
3	1	120	25231480	Slot02 MODEM CH120
3	1	121	25231481	Slot02 MODEM CH121
3	1	122	25231482	Slot02 MODEM CH122
3	1	123	25231483	Slot02 MODEM CH123
3	1	124	25231484	Slot02 MODEM CH124
3	1	125	25231485	Slot02 MODEM CH125
3	1	126	25231486	Slot02 MODEM CH126
3	1	127	25231487	Slot02 MODEM CH127
3	1	128	25231488	Slot02 MODEM CH128
3	1	129	25231489	Slot02 MODEM CH129
3	1	130	25231490	Slot02 MODEM CH130
3	1	131	25231491	Slot02 MODEM CH131
3	1	132	25231492	Slot02 MODEM CH132
3	1	133	25231493	Slot02 MODEM CH133
3	1	134	25231494	Slot02 MODEM CH134
3	1	135	25231495	Slot02 MODEM CH135
3	1	136	25231496	Slot02 MODEM CH136
3	1	137	25231497	Slot02 MODEM CH137
3	1	138	25231498	Slot02 MODEM CH138
3	1	139	25231499	Slot02 MODEM CH139
3	1	140	25231500	Slot02 MODEM CH140
3	1	141	25231501	Slot02 MODEM CH141
3	1	142	25231502	Slot02 MODEM CH142
3	1	143	25231503	Slot02 MODEM CH143
3	1	144	25231504	Slot02 MODEM CH144
3	1	145	25231505	Slot02 MODEM CH145
3	1	146	25231506	Slot02 MODEM CH146
3	1	147	25231507	Slot02 MODEM CH147
3	1	148	25231508	Slot02 MODEM CH148
3	1	149	25231509	Slot02 MODEM CH149
3	1	150	25231510	Slot02 MODEM CH150
3	1	151	25231511	Slot02 MODEM CH151
3	1	152	25231512	Slot02 MODEM CH152
3	1	0x8001	25264129	Slot02 Radio SC1
3	1	0x8002	25264130	Slot02 Radio SC2
3	1	0x8003	25264131	Slot02 Radio SC3
3	1	0x8004	25264132	Slot02 Radio SC4
3	1	0x8005	25264133	Slot02 STM-1 F1
3	1	0x8006	25264134	Slot02 STM-1 E1
3	1	0x8007	25264135	Slot02 STM-1 DCCr
3	1	0x8008	25264136	Slot02 V11 Radio SC192k Connect
3	1	0x8011	25264145	Slot02 Radio CLA CH1
3	1	0x8012	25264146	Slot02 Radio CLA CH2
3	1	0x8013	25264147	Slot02 Radio CLA CH3
3	1	0x8014	25264148	Slot02 Radio CLA CH4
3	2	0	25296896	Slot02 MODEM/GbE/STM-1/PTP Port2
3	3	0	25362432	Slot02 GbE Port3
3	4	0	25427968	Slot02 GbE Port4
4	0	1	33554433	Slot03 MSE Internal CH01
4	0	2	33554434	Slot03 MSE Internal CH02
4	0	3	33554435	Slot03 MSE Internal CH03
4	0	4	33554436	Slot03 MSE Internal CH04
4	0	5	33554437	Slot03 MSE Internal CH05
4	0	6	33554438	Slot03 MSE Internal CH06
4	0	7	33554439	Slot03 MSE Internal CH07
4	0	8	33554440	Slot03 MSE Internal CH08
4	0	9	33554441	Slot03 MSE Internal CH09
4	0	10	33554442	Slot03 MSE Internal CH10
4	0	11	33554443	Slot03 MSE Internal CH11
4	0	12	33554444	Slot03 MSE Internal CH12
4	0	13	33554445	Slot03 MSE Internal CH13

4	0	14	33554446	Slot03 MSE Internal CH14
4	0	15	33554447	Slot03 MSE Internal CH15
4	0	16	33554448	Slot03 MSE Internal CH16
4	0	17	33554449	Slot03 MSE Internal CH17
4	0	18	33554450	Slot03 MSE Internal CH18
4	0	19	33554451	Slot03 MSE Internal CH19
4	0	20	33554452	Slot03 MSE Internal CH20
4	0	21	33554453	Slot03 MSE Internal CH21
4	0	22	33554454	Slot03 MSE Internal CH22
4	0	23	33554455	Slot03 MSE Internal CH23
4	0	24	33554456	Slot03 MSE Internal CH24
4	0	25	33554457	Slot03 MSE Internal CH25
4	0	26	33554458	Slot03 MSE Internal CH26
4	0	27	33554459	Slot03 MSE Internal CH27
4	0	28	33554460	Slot03 MSE Internal CH28
4	0	29	33554461	Slot03 MSE Internal CH29
4	0	30	33554462	Slot03 MSE Internal CH30
4	0	31	33554463	Slot03 MSE Internal CH31
4	0	32	33554464	Slot03 MSE Internal CH32
4	0	33	33554465	Slot03 MSE Internal CH33
4	0	34	33554466	Slot03 MSE Internal CH34
4	0	35	33554467	Slot03 MSE Internal CH35
4	0	36	33554468	Slot03 MSE Internal CH36
4	0	37	33554469	Slot03 MSE Internal CH37
4	0	38	33554470	Slot03 MSE Internal CH38
4	0	39	33554471	Slot03 MSE Internal CH39
4	0	40	33554472	Slot03 MSE Internal CH40
4	0	41	33554473	Slot03 MSE Internal CH41
4	0	42	33554474	Slot03 MSE Internal CH42
4	0	43	33554475	Slot03 MSE Internal CH43
4	0	44	33554476	Slot03 MSE Internal CH44
4	0	45	33554477	Slot03 MSE Internal CH45
4	0	46	33554478	Slot03 MSE Internal CH46
4	0	47	33554479	Slot03 MSE Internal CH47
4	0	48	33554480	Slot03 MSE Internal CH48
4	0	49	33554481	Slot03 MSE Internal CH49
4	0	50	33554482	Slot03 MSE Internal CH50
4	0	51	33554483	Slot03 MSE Internal CH51
4	0	52	33554484	Slot03 MSE Internal CH52
4	0	53	33554485	Slot03 MSE Internal CH53
4	0	54	33554486	Slot03 MSE Internal CH54
4	0	55	33554487	Slot03 MSE Internal CH55
4	0	56	33554488	Slot03 MSE Internal CH56
4	0	57	33554489	Slot03 MSE Internal CH57
4	0	58	33554490	Slot03 MSE Internal CH58
4	0	59	33554491	Slot03 MSE Internal CH59
4	0	60	33554492	Slot03 MSE Internal CH60
4	0	61	33554493	Slot03 MSE Internal CH61
4	0	62	33554494	Slot03 MSE Internal CH62
4	0	63	33554495	Slot03 MSE Internal CH63
4	0	64	33554496	Slot03 MSE Internal CH64
4	1	0	33619968	Slot03 MODEM/GbE/STM-1/MSE/PTP Port1
4	1	1	33619969	Slot03 MODEM/STM-1/16E1 CH001
4	1	2	33619970	Slot03 MODEM/STM-1/16E1 CH002
4	1	3	33619971	Slot03 MODEM/STM-1/16E1 CH003
4	1	4	33619972	Slot03 MODEM/STM-1/16E1 CH004
4	1	5	33619973	Slot03 MODEM/STM-1/16E1 CH005
4	1	6	33619974	Slot03 MODEM/STM-1/16E1 CH006
4	1	7	33619975	Slot03 MODEM/STM-1/16E1 CH007
4	1	8	33619976	Slot03 MODEM/STM-1/16E1 CH008
4	1	9	33619977	Slot03 MODEM/STM-1/16E1 CH009
4	1	10	33619978	Slot03 MODEM/STM-1/16E1 CH010
4	1	11	33619979	Slot03 MODEM/STM-1/16E1 CH011
4	1	12	33619980	Slot03 MODEM/STM-1/16E1 CH012

4	1	13	33619981	Slot03 MODEM/STM-1/16E1 CH013
4	1	14	33619982	Slot03 MODEM/STM-1/16E1 CH014
4	1	15	33619983	Slot03 MODEM/STM-1/16E1 CH015
4	1	16	33619984	Slot03 MODEM/STM-1/16E1 CH016
4	1	17	33619985	Slot03 MODEM/STM-1 CH017
4	1	18	33619986	Slot03 MODEM/STM-1 CH018
4	1	19	33619987	Slot03 MODEM/STM-1 CH019
4	1	20	33619988	Slot03 MODEM/STM-1 CH020
4	1	21	33619989	Slot03 MODEM/STM-1 CH021
4	1	22	33619990	Slot03 MODEM/STM-1 CH022
4	1	23	33619991	Slot03 MODEM/STM-1 CH023
4	1	24	33619992	Slot03 MODEM/STM-1 CH024
4	1	25	33619993	Slot03 MODEM/STM-1 CH025
4	1	26	33619994	Slot03 MODEM/STM-1 CH026
4	1	27	33619995	Slot03 MODEM/STM-1 CH027
4	1	28	33619996	Slot03 MODEM/STM-1 CH028
4	1	29	33619997	Slot03 MODEM/STM-1 CH029
4	1	30	33619998	Slot03 MODEM/STM-1 CH030
4	1	31	33619999	Slot03 MODEM/STM-1 CH031
4	1	32	33620000	Slot03 MODEM/STM-1 CH032
4	1	33	33620001	Slot03 MODEM/STM-1 CH033
4	1	34	33620002	Slot03 MODEM/STM-1 CH034
4	1	35	33620003	Slot03 MODEM/STM-1 CH035
4	1	36	33620004	Slot03 MODEM/STM-1 CH036
4	1	37	33620005	Slot03 MODEM/STM-1 CH037
4	1	38	33620006	Slot03 MODEM/STM-1 CH038
4	1	39	33620007	Slot03 MODEM/STM-1 CH039
4	1	40	33620008	Slot03 MODEM/STM-1 CH040
4	1	41	33620009	Slot03 MODEM/STM-1 CH041
4	1	42	33620010	Slot03 MODEM/STM-1 CH042
4	1	43	33620011	Slot03 MODEM/STM-1 CH043
4	1	44	33620012	Slot03 MODEM/STM-1 CH044
4	1	45	33620013	Slot03 MODEM/STM-1 CH045
4	1	46	33620014	Slot03 MODEM/STM-1 CH046
4	1	47	33620015	Slot03 MODEM/STM-1 CH047
4	1	48	33620016	Slot03 MODEM/STM-1 CH048
4	1	49	33620017	Slot03 MODEM/STM-1 CH049
4	1	50	33620018	Slot03 MODEM/STM-1 CH050
4	1	51	33620019	Slot03 MODEM/STM-1 CH051
4	1	52	33620020	Slot03 MODEM/STM-1 CH052
4	1	53	33620021	Slot03 MODEM/STM-1 CH053
4	1	54	33620022	Slot03 MODEM/STM-1 CH054
4	1	55	33620023	Slot03 MODEM/STM-1 CH055
4	1	56	33620024	Slot03 MODEM/STM-1 CH056
4	1	57	33620025	Slot03 MODEM/STM-1 CH057
4	1	58	33620026	Slot03 MODEM/STM-1 CH058
4	1	59	33620027	Slot03 MODEM/STM-1 CH059
4	1	60	33620028	Slot03 MODEM/STM-1 CH060
4	1	61	33620029	Slot03 MODEM/STM-1 CH061
4	1	62	33620030	Slot03 MODEM/STM-1 CH062
4	1	63	33620031	Slot03 MODEM/STM-1 CH063
4	1	64	33620032	Slot03 MODEM CH064
4	1	65	33620033	Slot03 MODEM CH065
4	1	66	33620034	Slot03 MODEM CH066
4	1	67	33620035	Slot03 MODEM CH067
4	1	68	33620036	Slot03 MODEM CH068
4	1	69	33620037	Slot03 MODEM CH069
4	1	70	33620038	Slot03 MODEM CH070
4	1	71	33620039	Slot03 MODEM CH071
4	1	72	33620040	Slot03 MODEM CH072
4	1	73	33620041	Slot03 MODEM CH073
4	1	74	33620042	Slot03 MODEM CH074
4	1	75	33620043	Slot03 MODEM CH075
4	1	76	33620044	Slot03 MODEM CH076

4	1	77	33620045	Slot03 MODEM CH077
4	1	78	33620046	Slot03 MODEM CH078
4	1	79	33620047	Slot03 MODEM CH079
4	1	80	33620048	Slot03 MODEM CH080
4	1	81	33620049	Slot03 MODEM CH081
4	1	82	33620050	Slot03 MODEM CH082
4	1	83	33620051	Slot03 MODEM CH083
4	1	84	33620052	Slot03 MODEM CH084
4	1	85	33620053	Slot03 MODEM CH085
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4	1	87	33620055	Slot03 MODEM CH087
4	1	88	33620056	Slot03 MODEM CH088
4	1	89	33620057	Slot03 MODEM CH089
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4	1	94	33620062	Slot03 MODEM CH094
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4	1	99	33620067	Slot03 MODEM CH099
4	1	100	33620068	Slot03 MODEM CH100
4	1	101	33620069	Slot03 MODEM CH101
4	1	102	33620070	Slot03 MODEM CH102
4	1	103	33620071	Slot03 MODEM CH103
4	1	104	33620072	Slot03 MODEM CH104
4	1	105	33620073	Slot03 MODEM CH105
4	1	106	33620074	Slot03 MODEM CH106
4	1	107	33620075	Slot03 MODEM CH107
4	1	108	33620076	Slot03 MODEM CH108
4	1	109	33620077	Slot03 MODEM CH109
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4	1	111	33620079	Slot03 MODEM CH111
4	1	112	33620080	Slot03 MODEM CH112
4	1	113	33620081	Slot03 MODEM CH113
4	1	114	33620082	Slot03 MODEM CH114
4	1	115	33620083	Slot03 MODEM CH115
4	1	116	33620084	Slot03 MODEM CH116
4	1	117	33620085	Slot03 MODEM CH117
4	1	118	33620086	Slot03 MODEM CH118
4	1	119	33620087	Slot03 MODEM CH119
4	1	120	33620088	Slot03 MODEM CH120
4	1	121	33620089	Slot03 MODEM CH121
4	1	122	33620090	Slot03 MODEM CH122
4	1	123	33620091	Slot03 MODEM CH123
4	1	124	33620092	Slot03 MODEM CH124
4	1	125	33620093	Slot03 MODEM CH125
4	1	126	33620094	Slot03 MODEM CH126
4	1	127	33620095	Slot03 MODEM CH127
4	1	128	33620096	Slot03 MODEM CH128
4	1	129	33620097	Slot03 MODEM CH129
4	1	130	33620098	Slot03 MODEM CH130
4	1	131	33620099	Slot03 MODEM CH131
4	1	132	33620100	Slot03 MODEM CH132
4	1	133	33620101	Slot03 MODEM CH133
4	1	134	33620102	Slot03 MODEM CH134
4	1	135	33620103	Slot03 MODEM CH135
4	1	136	33620104	Slot03 MODEM CH136
4	1	137	33620105	Slot03 MODEM CH137
4	1	138	33620106	Slot03 MODEM CH138
4	1	139	33620107	Slot03 MODEM CH139
4	1	140	33620108	Slot03 MODEM CH140

4	1	141	33620109	Slot03 MODEM CH141
4	1	142	33620110	Slot03 MODEM CH142
4	1	143	33620111	Slot03 MODEM CH143
4	1	144	33620112	Slot03 MODEM CH144
4	1	145	33620113	Slot03 MODEM CH145
4	1	146	33620114	Slot03 MODEM CH146
4	1	147	33620115	Slot03 MODEM CH147
4	1	148	33620116	Slot03 MODEM CH148
4	1	149	33620117	Slot03 MODEM CH149
4	1	150	33620118	Slot03 MODEM CH150
4	1	151	33620119	Slot03 MODEM CH151
4	1	152	33620120	Slot03 MODEM CH152
4	1	0x8001	33652737	Slot03 Radio SC1
4	1	0x8002	33652738	Slot03 Radio SC2
4	1	0x8003	33652739	Slot03 Radio SC3
4	1	0x8004	33652740	Slot03 Radio SC4
4	1	0x8005	33652741	Slot03 STM-1 F1
4	1	0x8006	33652742	Slot03 STM-1 E1
4	1	0x8007	33652743	Slot03 STM-1 DCCr
4	1	0x8008	33652744	Slot03 V11 Radio SC192k Connect
4	1	0x8011	33652753	Slot03 Radio CLA CH1
4	1	0x8012	33652754	Slot03 Radio CLA CH2
4	1	0x8013	33652755	Slot03 Radio CLA CH3
4	1	0x8014	33652756	Slot03 Radio CLA CH4
4	2	0	33685504	Slot03 MODEM/GbE/STM-1/PTP Port2
4	3	0	33751040	Slot03 GbE Port3
4	4	0	33816576	Slot03 GbE Port4
5	0	1	41943041	Slot04 MSE Internal CH01
5	0	2	41943042	Slot04 MSE Internal CH02
5	0	3	41943043	Slot04 MSE Internal CH03
5	0	4	41943044	Slot04 MSE Internal CH04
5	0	5	41943045	Slot04 MSE Internal CH05
5	0	6	41943046	Slot04 MSE Internal CH06
5	0	7	41943047	Slot04 MSE Internal CH07
5	0	8	41943048	Slot04 MSE Internal CH08
5	0	9	41943049	Slot04 MSE Internal CH09
5	0	10	41943050	Slot04 MSE Internal CH10
5	0	11	41943051	Slot04 MSE Internal CH11
5	0	12	41943052	Slot04 MSE Internal CH12
5	0	13	41943053	Slot04 MSE Internal CH13
5	0	14	41943054	Slot04 MSE Internal CH14
5	0	15	41943055	Slot04 MSE Internal CH15
5	0	16	41943056	Slot04 MSE Internal CH16
5	0	17	41943057	Slot04 MSE Internal CH17
5	0	18	41943058	Slot04 MSE Internal CH18
5	0	19	41943059	Slot04 MSE Internal CH19
5	0	20	41943060	Slot04 MSE Internal CH20
5	0	21	41943061	Slot04 MSE Internal CH21
5	0	22	41943062	Slot04 MSE Internal CH22
5	0	23	41943063	Slot04 MSE Internal CH23
5	0	24	41943064	Slot04 MSE Internal CH24
5	0	25	41943065	Slot04 MSE Internal CH25
5	0	26	41943066	Slot04 MSE Internal CH26
5	0	27	41943067	Slot04 MSE Internal CH27
5	0	28	41943068	Slot04 MSE Internal CH28
5	0	29	41943069	Slot04 MSE Internal CH29
5	0	30	41943070	Slot04 MSE Internal CH30
5	0	31	41943071	Slot04 MSE Internal CH31
5	0	32	41943072	Slot04 MSE Internal CH32
5	0	33	41943073	Slot04 MSE Internal CH33
5	0	34	41943074	Slot04 MSE Internal CH34
5	0	35	41943075	Slot04 MSE Internal CH35
5	0	36	41943076	Slot04 MSE Internal CH36
5	0	37	41943077	Slot04 MSE Internal CH37

5	0	38	41943078	Slot04 MSE Internal CH38
5	0	39	41943079	Slot04 MSE Internal CH39
5	0	40	41943080	Slot04 MSE Internal CH40
5	0	41	41943081	Slot04 MSE Internal CH41
5	0	42	41943082	Slot04 MSE Internal CH42
5	0	43	41943083	Slot04 MSE Internal CH43
5	0	44	41943084	Slot04 MSE Internal CH44
5	0	45	41943085	Slot04 MSE Internal CH45
5	0	46	41943086	Slot04 MSE Internal CH46
5	0	47	41943087	Slot04 MSE Internal CH47
5	0	48	41943088	Slot04 MSE Internal CH48
5	0	49	41943089	Slot04 MSE Internal CH49
5	0	50	41943090	Slot04 MSE Internal CH50
5	0	51	41943091	Slot04 MSE Internal CH51
5	0	52	41943092	Slot04 MSE Internal CH52
5	0	53	41943093	Slot04 MSE Internal CH53
5	0	54	41943094	Slot04 MSE Internal CH54
5	0	55	41943095	Slot04 MSE Internal CH55
5	0	56	41943096	Slot04 MSE Internal CH56
5	0	57	41943097	Slot04 MSE Internal CH57
5	0	58	41943098	Slot04 MSE Internal CH58
5	0	59	41943099	Slot04 MSE Internal CH59
5	0	60	41943100	Slot04 MSE Internal CH60
5	0	61	41943101	Slot04 MSE Internal CH61
5	0	62	41943102	Slot04 MSE Internal CH62
5	0	63	41943103	Slot04 MSE Internal CH63
5	0	64	41943104	Slot04 MSE Internal CH64
5	1	0	42008576	Slot04 MODEM/GbE/STM-1/MSE/PTP Port1
5	1	1	42008577	Slot04 MODEM/STM-1/16E1 CH001
5	1	2	42008578	Slot04 MODEM/STM-1/16E1 CH002
5	1	3	42008579	Slot04 MODEM/STM-1/16E1 CH003
5	1	4	42008580	Slot04 MODEM/STM-1/16E1 CH004
5	1	5	42008581	Slot04 MODEM/STM-1/16E1 CH005
5	1	6	42008582	Slot04 MODEM/STM-1/16E1 CH006
5	1	7	42008583	Slot04 MODEM/STM-1/16E1 CH007
5	1	8	42008584	Slot04 MODEM/STM-1/16E1 CH008
5	1	9	42008585	Slot04 MODEM/STM-1/16E1 CH009
5	1	10	42008586	Slot04 MODEM/STM-1/16E1 CH010
5	1	11	42008587	Slot04 MODEM/STM-1/16E1 CH011
5	1	12	42008588	Slot04 MODEM/STM-1/16E1 CH012
5	1	13	42008589	Slot04 MODEM/STM-1/16E1 CH013
5	1	14	42008590	Slot04 MODEM/STM-1/16E1 CH014
5	1	15	42008591	Slot04 MODEM/STM-1/16E1 CH015
5	1	16	42008592	Slot04 MODEM/STM-1/16E1 CH016
5	1	17	42008593	Slot04 MODEM/STM-1 CH017
5	1	18	42008594	Slot04 MODEM/STM-1 CH018
5	1	19	42008595	Slot04 MODEM/STM-1 CH019
5	1	20	42008596	Slot04 MODEM/STM-1 CH020
5	1	21	42008597	Slot04 MODEM/STM-1 CH021
5	1	22	42008598	Slot04 MODEM/STM-1 CH022
5	1	23	42008599	Slot04 MODEM/STM-1 CH023
5	1	24	42008600	Slot04 MODEM/STM-1 CH024
5	1	25	42008601	Slot04 MODEM/STM-1 CH025
5	1	26	42008602	Slot04 MODEM/STM-1 CH026
5	1	27	42008603	Slot04 MODEM/STM-1 CH027
5	1	28	42008604	Slot04 MODEM/STM-1 CH028
5	1	29	42008605	Slot04 MODEM/STM-1 CH029
5	1	30	42008606	Slot04 MODEM/STM-1 CH030
5	1	31	42008607	Slot04 MODEM/STM-1 CH031
5	1	32	42008608	Slot04 MODEM/STM-1 CH032
5	1	33	42008609	Slot04 MODEM/STM-1 CH033
5	1	34	42008610	Slot04 MODEM/STM-1 CH034
5	1	35	42008611	Slot04 MODEM/STM-1 CH035
5	1	36	42008612	Slot04 MODEM/STM-1 CH036

5	1	37	42008613	Slot04 MODEM/STM-1 CH037
5	1	38	42008614	Slot04 MODEM/STM-1 CH038
5	1	39	42008615	Slot04 MODEM/STM-1 CH039
5	1	40	42008616	Slot04 MODEM/STM-1 CH040
5	1	41	42008617	Slot04 MODEM/STM-1 CH041
5	1	42	42008618	Slot04 MODEM/STM-1 CH042
5	1	43	42008619	Slot04 MODEM/STM-1 CH043
5	1	44	42008620	Slot04 MODEM/STM-1 CH044
5	1	45	42008621	Slot04 MODEM/STM-1 CH045
5	1	46	42008622	Slot04 MODEM/STM-1 CH046
5	1	47	42008623	Slot04 MODEM/STM-1 CH047
5	1	48	42008624	Slot04 MODEM/STM-1 CH048
5	1	49	42008625	Slot04 MODEM/STM-1 CH049
5	1	50	42008626	Slot04 MODEM/STM-1 CH050
5	1	51	42008627	Slot04 MODEM/STM-1 CH051
5	1	52	42008628	Slot04 MODEM/STM-1 CH052
5	1	53	42008629	Slot04 MODEM/STM-1 CH053
5	1	54	42008630	Slot04 MODEM/STM-1 CH054
5	1	55	42008631	Slot04 MODEM/STM-1 CH055
5	1	56	42008632	Slot04 MODEM/STM-1 CH056
5	1	57	42008633	Slot04 MODEM/STM-1 CH057
5	1	58	42008634	Slot04 MODEM/STM-1 CH058
5	1	59	42008635	Slot04 MODEM/STM-1 CH059
5	1	60	42008636	Slot04 MODEM/STM-1 CH060
5	1	61	42008637	Slot04 MODEM/STM-1 CH061
5	1	62	42008638	Slot04 MODEM/STM-1 CH062
5	1	63	42008639	Slot04 MODEM/STM-1 CH063
5	1	64	42008640	Slot04 MODEM CH064
5	1	65	42008641	Slot04 MODEM CH065
5	1	66	42008642	Slot04 MODEM CH066
5	1	67	42008643	Slot04 MODEM CH067
5	1	68	42008644	Slot04 MODEM CH068
5	1	69	42008645	Slot04 MODEM CH069
5	1	70	42008646	Slot04 MODEM CH070
5	1	71	42008647	Slot04 MODEM CH071
5	1	72	42008648	Slot04 MODEM CH072
5	1	73	42008649	Slot04 MODEM CH073
5	1	74	42008650	Slot04 MODEM CH074
5	1	75	42008651	Slot04 MODEM CH075
5	1	76	42008652	Slot04 MODEM CH076
5	1	77	42008653	Slot04 MODEM CH077
5	1	78	42008654	Slot04 MODEM CH078
5	1	79	42008655	Slot04 MODEM CH079
5	1	80	42008656	Slot04 MODEM CH080
5	1	81	42008657	Slot04 MODEM CH081
5	1	82	42008658	Slot04 MODEM CH082
5	1	83	42008659	Slot04 MODEM CH083
5	1	84	42008660	Slot04 MODEM CH084
5	1	85	42008661	Slot04 MODEM CH085
5	1	86	42008662	Slot04 MODEM CH086
5	1	87	42008663	Slot04 MODEM CH087
5	1	88	42008664	Slot04 MODEM CH088
5	1	89	42008665	Slot04 MODEM CH089
5	1	90	42008666	Slot04 MODEM CH090
5	1	91	42008667	Slot04 MODEM CH091
5	1	92	42008668	Slot04 MODEM CH092
5	1	93	42008669	Slot04 MODEM CH093
5	1	94	42008670	Slot04 MODEM CH094
5	1	95	42008671	Slot04 MODEM CH095
5	1	96	42008672	Slot04 MODEM CH096
5	1	97	42008673	Slot04 MODEM CH097
5	1	98	42008674	Slot04 MODEM CH098
5	1	99	42008675	Slot04 MODEM CH099
5	1	100	42008676	Slot04 MODEM CH100

5	1	101	42008677	Slot04 MODEM CH101
5	1	102	42008678	Slot04 MODEM CH102
5	1	103	42008679	Slot04 MODEM CH103
5	1	104	42008680	Slot04 MODEM CH104
5	1	105	42008681	Slot04 MODEM CH105
5	1	106	42008682	Slot04 MODEM CH106
5	1	107	42008683	Slot04 MODEM CH107
5	1	108	42008684	Slot04 MODEM CH108
5	1	109	42008685	Slot04 MODEM CH109
5	1	110	42008686	Slot04 MODEM CH110
5	1	111	42008687	Slot04 MODEM CH111
5	1	112	42008688	Slot04 MODEM CH112
5	1	113	42008689	Slot04 MODEM CH113
5	1	114	42008690	Slot04 MODEM CH114
5	1	115	42008691	Slot04 MODEM CH115
5	1	116	42008692	Slot04 MODEM CH116
5	1	117	42008693	Slot04 MODEM CH117
5	1	118	42008694	Slot04 MODEM CH118
5	1	119	42008695	Slot04 MODEM CH119
5	1	120	42008696	Slot04 MODEM CH120
5	1	121	42008697	Slot04 MODEM CH121
5	1	122	42008698	Slot04 MODEM CH122
5	1	123	42008699	Slot04 MODEM CH123
5	1	124	42008700	Slot04 MODEM CH124
5	1	125	42008701	Slot04 MODEM CH125
5	1	126	42008702	Slot04 MODEM CH126
5	1	127	42008703	Slot04 MODEM CH127
5	1	128	42008704	Slot04 MODEM CH128
5	1	129	42008705	Slot04 MODEM CH129
5	1	130	42008706	Slot04 MODEM CH130
5	1	131	42008707	Slot04 MODEM CH131
5	1	132	42008708	Slot04 MODEM CH132
5	1	133	42008709	Slot04 MODEM CH133
5	1	134	42008710	Slot04 MODEM CH134
5	1	135	42008711	Slot04 MODEM CH135
5	1	136	42008712	Slot04 MODEM CH136
5	1	137	42008713	Slot04 MODEM CH137
5	1	138	42008714	Slot04 MODEM CH138
5	1	139	42008715	Slot04 MODEM CH139
5	1	140	42008716	Slot04 MODEM CH140
5	1	141	42008717	Slot04 MODEM CH141
5	1	142	42008718	Slot04 MODEM CH142
5	1	143	42008719	Slot04 MODEM CH143
5	1	144	42008720	Slot04 MODEM CH144
5	1	145	42008721	Slot04 MODEM CH145
5	1	146	42008722	Slot04 MODEM CH146
5	1	147	42008723	Slot04 MODEM CH147
5	1	148	42008724	Slot04 MODEM CH148
5	1	149	42008725	Slot04 MODEM CH149
5	1	150	42008726	Slot04 MODEM CH150
5	1	151	42008727	Slot04 MODEM CH151
5	1	152	42008728	Slot04 MODEM CH152
5	1	0x8001	42041345	Slot04 Radio SC1
5	1	0x8002	42041346	Slot04 Radio SC2
5	1	0x8003	42041347	Slot04 Radio SC3
5	1	0x8004	42041348	Slot04 Radio SC4
5	1	0x8005	42041349	Slot04 STM-1 F1
5	1	0x8006	42041350	Slot04 STM-1 E1
5	1	0x8007	42041351	Slot04 STM-1 DCCr
5	1	0x8008	42041352	Slot04 V11 Radio SC192k Connect
5	1	0x8011	42041361	Slot04 Radio CLA CH1
5	1	0x8012	42041362	Slot04 Radio CLA CH2
5	1	0x8013	42041363	Slot04 Radio CLA CH3
5	1	0x8014	42041364	Slot04 Radio CLA CH4

5	2	0	42074112	Slot04 MODEM/GbE/STM-1/PTP Port2
5	3	0	42139648	Slot04 GbE Port3
5	4	0	42205184	Slot04 GbE Port4

Appendix 3: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-SYSTEM-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-SYSTEM-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        Timeout
            FROM BRIDGE-MIB
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        Counter, IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI
        DateAndTime, DisplayString, MacAddress, RowStatus
            FROM SNMPv2-TC;

    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), aIS(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),
lowTemperatue(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), lossOfRealTimel(157),
applicationSubsystemFailure(158),
configurationOrCustomisationError(159),
databaseInconsistency(160), fileError(161),
outOfMemory(162), softwareError(163),
timeoutExpired(164),
underlayingResourceUnavailable(165),
versionMismatch(166), bandwidthReduced(201),
congestion(202), excessiveErrorRate(203),
excessiveResponseTime(204),
excessiveRetransmissionRate(205),
reducedLoggingCapability(206),
systemResourcesOverload(207), adapterError(500),
applicationSubsystemFailture(501),
bandwidthReducedX733(502),
callEstablishmentError(503),
communicationsProtocolError(504),
communicationsSubsystemFailure(505),
configurationOrCustomizationError(506),
congestionX733(507), coruptData(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),
                        responseTimeExecessive(542),
                        retransmissionRateExcessive(543),
                        softwareErrorX733(544),
                        softwareProgramAbnormallyTerminated(545),
                        softwareProgramError(546),
                        storageCapacityProblemX733(547),
                        temperatureUnacceptable(548), thresholdCrossed(549),
                        timingProblemX733(550), toxicLeakDetected(551),
                        transmitFailureX733(552), transmiterFailure(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) }


-- 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503
ipasolink400 OBJECT IDENTIFIER
    ::= { commonPnms 503 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5
system5 OBJECT IDENTIFIER
```

```
    ::= { ipasolink400 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1
ipeSystemGroup OBJECT IDENTIFIER
    ::= { system5 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1
ipeSysInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeSysInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of System Information."
    ::= { ipeSystemGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.1
ipeSysInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of Table."
    ::= { ipeSysInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.2
ipeSysInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeSysInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.3
ipeSysNeName OBJECT-TYPE
```

```
    SYNTAX        DisplayString
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Equipment name (for display)."
    ::= { ipeSysInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.4
ipeSysAreaName OBJECT-TYPE
    SYNTAX        DisplayString
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Area name (for display)."
    ::= { ipeSysInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.5
ipeSysNote OBJECT-TYPE
    SYNTAX        DisplayString
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Memorandum (for display)."
    ::= { ipeSysInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.6
ipeSysPrimaryIpAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "Primary IP Address (for display and setting)."
    ::= { ipeSysInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.7
ipeSysSubnetMask OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Subnet mask (for display)."
    ::= { ipeSysInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.8
ipeSysDefaultGateway OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Default gateway (for display)."
    ::= { ipeSysInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.9
ipeSysMacAddress OBJECT-TYPE
    SYNTAX        MacAddress
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "MAC address (for display)."
    ::= { ipeSysInfoEntry 9 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.10
ipeSysMibVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MIB version."
    ::= { ipeSysInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.11
ipeSysEquipmentType OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Equipment type."
    ::= { ipeSysInfoEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.1.1.12
ipeSysPmType OBJECT-TYPE
    SYNTAX          INTEGER (1..20)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Number of Branch.
         1=normalNE mode.
         1!=branchNE mode (2<= ipeSysPmType <= 20)."
    ::= { ipeSysInfoEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2
ipeSysInventoryInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeSysInventoryInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of system basic information."
    ::= { ipeSystemGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2.1
ipeSysInventoryInfoEntry OBJECT-TYPE
    SYNTAX          IpeSysInventoryInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Entry of system basic information."
    INDEX           { ipeSysInventoryInfoNEAddress, ipeSysInventoryInfoIndex }
    ::= { ipeSysInventoryInfoTable 1 }

IpeSysInventoryInfoEntry ::= SEQUENCE {
    ipeSysInventoryInfoIndex            INTEGER,
    ipeSysInventoryInfoNEAddress        IpAddress,
    ipeSysInvSoftwareVersion            DisplayString,
    ipeSysInvSoftwareReleaseDate        DateAndTime,
    ipeSysInvDlSoftwareVersion          DisplayString,
    ipeSysInvOperationSide              INTEGER,
    ipeSysInvStandbySoftwareVersion     DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2.1.1
```

```
ipeSysInventoryInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeSysInventoryInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2.1.2
ipeSysInventoryInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeSysInventoryInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2.1.3
ipeSysInvSoftwareVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Software version."
    ::= { ipeSysInventoryInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2.1.4
ipeSysInvSoftwareReleaseDate OBJECT-TYPE
    SYNTAX          DateAndTime
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Software update date and time."
    ::= { ipeSysInventoryInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2.1.5
ipeSysInvDlSoftwareVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Download control."
    ::= { ipeSysInventoryInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2.1.6
ipeSysInvOperationSide OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Active side information."
    ::= { ipeSysInventoryInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.2.1.7
ipeSysInvStandbySoftwareVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Firmware version of inactive side."
    ::= { ipeSysInventoryInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3
ipeSysOperationGroup OBJECT IDENTIFIER
    ::= { ipeSystemGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.1
ipeSysOpTimeTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeSysOpTimeEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of date and time."
    ::= { ipeSysOperationGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.1.1
ipeSysOpTimeEntry OBJECT-TYPE
    SYNTAX          IpeSysOpTimeEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Entry of date and time."
    INDEX           { ipeSysOpTimeNEAddress, ipeSysOpTimeIndex }
    ::= { ipeSysOpTimeTable 1 }

IpeSysOpTimeEntry ::= SEQUENCE {
    ipeSysOpTimeIndex           INTEGER,
    ipeSysOpTimeNEAddress       IpAddress,
    ipeSysOpCurrentTime         DateAndTime,
    ipeSysOpStartTime           DateAndTime,
    ipeSysOpUpTime              Counter
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.1.1.1
ipeSysOpTimeIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeSysOpTimeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.1.1.2
ipeSysOpTimeNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeSysOpTimeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.1.1.3
ipeSysOpCurrentTime OBJECT-TYPE
    SYNTAX          DateAndTime
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Current time."
    ::= { ipeSysOpTimeEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.1.1.4
ipeSysOpStartTime OBJECT-TYPE
    SYNTAX        DateAndTime
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "OS started time."
    ::= { ipeSysOpTimeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.1.1.5
ipeSysOpUpTime OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Duration after OS started (second)."
    ::= { ipeSysOpTimeEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2
ipeSysOpFileDownloadTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF IpeSysOpFileDownloadEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Table of file download."
    ::= { ipeSysOperationGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2.1.1
ipeSysOpFileDownloadIndex OBJECT-TYPE
    SYNTAX        INTEGER (1)
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeSysOpFileDownloadEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2.1.2
ipeSysOpFileDownloadNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    ::= { ipeSysOpFileDownloadEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2.1.3
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), cardFw(18) }
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "Program type.

         *'0:Invalidity' is used as an initial state."
    ::= { ipeSysOpFileDownloadEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2.1.4
ipeSysOpFileDownloadCpuResetDetail OBJECT-TYPE
    SYNTAX         INTEGER { invalid(0), revertReset(1), normReset(2) }
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2.1.6
ipeSysOpFileDownloadCtrl OBJECT-TYPE
        SYNTAX          INTEGER { invalid(0), startDownload(1),
                            suspendDownload(2), startUpload(3), endUpload(4),
                            resetDownload(5) }
        ACCESS          read-write
        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 ipeFsUpdateFileStatusis(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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.2.1.7
ipeSysOpFileDownloadProtocolType OBJECT-TYPE
        SYNTAX          INTEGER { invalid(0), ftp(1), sftp(2), http(3) }
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "Kind of protocol,
                 *'0:Invalidity' is used as an initial state.

                 *Pertinent details: ipeSysOpFileDownloadCtrl"
        ::= { ipeSysOpFileDownloadEntry 7 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.3
    ipeSysOpProgramPmonRmonClearTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeSysOpProgramPmonRmonClearEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                ""
        ::= { ipeSysOperationGroup 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.3.1
    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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.3.1.1
    ipeSysOpProgramPmonRmonClearIndex OBJECT-TYPE
        SYNTAX          INTEGER (1)
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                ""
        ::= { ipeSysOpProgramPmonRmonClearEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.3.1.2
    ipeSysOpProgramPmonRmonClearNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                ""
        ::= { ipeSysOpProgramPmonRmonClearEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.3.1.3
    ipeSysOpProgramPmonRmonClear OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
                "PMON data clear control
                 0:FIXED VALUE 1:REQUEST"
        ::= { ipeSysOpProgramPmonRmonClearEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.1.3.3.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2
ipeFileSystemGroup OBJECT IDENTIFIER
    ::= { system5 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1
ipeFsFileInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeFsFileInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of file information."
    ::= { ipeFileSystemGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.1
ipeFsFileInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of Table."
    ::= { ipeFsFileInfoEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.2
ipeFsFileInfoNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeFsFileInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.3
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),
                    cardFw(18) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "Type for acquisition

         0:Invalidity
         1: IDU
         2: ODU
         3: MODEM Parameter
         4: FPGA(Other slot)
         5: FPGA(Ctrl)
         6: MSE
         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)
         18: Card Firmware

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

         *Pertinent details: ipeFsFileListCurrent
         *Pertinent details: ipeFsFileListTemp"
    ::= { ipeFsFileInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.6
ipeFsUpdateFileDetail OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-write
        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 ipeFsUpdateFileStatusis(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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.9
ipeFsUpdateFileProgressBase OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
            "Progress of update (denominator).

              *Pertinent details: ipeSysOpFileDownloadModule
              *Pertinent details: ipeFsUpdateFileStatus"
    ::= { ipeFsFileInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.10
ipeFsUpdateFileProgress OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
            "Progress of update (molecule).

              *Pertinent details: ipeSysOpFileDownloadModule
              *Pertinent details: ipeFsUpdateFileStatus"
    ::= { ipeFsFileInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.11
ipeFsUpdateFileUpdateList OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.1.1.12
ipeFsUpdateFileConfigPartial OBJECT-TYPE
        SYNTAX          OCTET STRING (SIZE(4))
        ACCESS          read-write
        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 =
                             '00011101010000000000000000000000'"
        ::= { ipeFsFileInfoEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.2
ipeFsUsbInfoTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeFsUsbInfoEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
             "Table of USB memory information."
```

```
    ::= { ipeFileSystemGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.2.1.1
ipeFsUsbInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of Table."
    ::= { ipeFsUsbInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.2.1.2
ipeFsUsbInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeFsUsbInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.2.1.3
ipeFsUsbCommand OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-write
    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 ipeFsUpdateFileStatusis (3:Executing),   (0:DL) is invalid.
            *When ipeFsUsbProcStatus is (2:Normal :Process executing),
            (0:DL) is invalid."
    ::= { ipeFsUsbInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.2.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.2.1.5
```

```
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.2.2.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3
ipeConfigurationGroup OBJECT IDENTIFIER
      ::= { system5 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.1
ipeCfgSystemTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF IpeCfgSystemEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Table of System Item Information."
      ::= { ipeConfigurationGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.1.1
ipeCfgSystemEntry OBJECT-TYPE
      SYNTAX          IpeCfgSystemEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Entry of System Item Information."
      INDEX           { ipeCfgSystemNEAddress, ipeCfgSystemIndex }
      ::= { ipeCfgSystemTable 1 }

IpeCfgSystemEntry ::= SEQUENCE {
      ipeCfgSystemIndex           INTEGER,
      ipeCfgSystemNEAddress       IpAddress,
      ipeCfgNeName                DisplayString,
      ipeCfgAreaName              DisplayString,
      ipeCfgMemo                  DisplayString
}
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.1.1.1
ipeCfgSystemIndex OBJECT-TYPE
      SYNTAX          INTEGER (1)
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of table."
      ::= { ipeCfgSystemEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.1.1.2
ipeCfgSystemNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            ""
      ::= { ipeCfgSystemEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.1.1.3
ipeCfgNeName OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
            "PASOLINK unit name. White space characters are not allowed for
              head or tail of characters."
      ::= { ipeCfgSystemEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.1.1.4
ipeCfgAreaName OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
            "Area name. White space characters are not allowed for head or
              tail of characters."
      ::= { ipeCfgSystemEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.1.1.5
ipeCfgMemo OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
            "Memorandum. White space characters are not allowed for head or
              tail of characters."
      ::= { ipeCfgSystemEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.2
ipeCfgOemTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF IpeCfgOemEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Table of Equipment Item Information."
      ::= { ipeConfigurationGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.2.1
ipeCfgOemEntry OBJECT-TYPE
```

```
    SYNTAX          IpeCfgOemEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Entry of Equipment Item Information."
    INDEX           { ipeCfgOemNEAddress, ipeCfgOemIndex }
    ::= { ipeCfgOemTable 1 }

IpeCfgOemEntry ::= SEQUENCE {
    ipeCfgOemIndex              INTEGER,
    ipeCfgOemNEAddress          IpAddress,
    ipeCfgOemSysDescr           DisplayString,
    ipeCfgOemSysContact         DisplayString,
    ipeCfgOemSysName            DisplayString,
    ipeCfgOemSysLocation        DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.2.1.1
ipeCfgOemIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgOemEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.2.1.2
ipeCfgOemNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgOemEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.2.1.3
ipeCfgOemSysDescr OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "System Description.
         The space of the begininng and end dose not permit it."
    ::= { ipeCfgOemEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.2.1.4
ipeCfgOemSysContact OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "System contact.
         The space of the begininng and end dose not permit it."
    ::= { ipeCfgOemEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.2.1.5
ipeCfgOemSysName OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "System name.
         The space of the begininng and end dose not permit it."
    ::= { ipeCfgOemEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.2.1.6
ipeCfgOemSysLocation OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "System location.
         The space of the begininng and end dose not permit it."
    ::= { ipeCfgOemEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3
ipeCfgAux OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1
ipeCfgAuxInTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgAuxInEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Aux Input Table"
    ::= { ipeCfgAux 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.1
ipeCfgAuxInIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxInEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.2
```

```
ipeCfgAuxInNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxInEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.3
ipeCfgAuxInItemName OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(0..32))
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxInEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.4
ipeCfgAuxInItemType OBJECT-TYPE
    SYNTAX          INTEGER { alarmInOpen(1), alarmInClose(2), status(3) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxInEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.5
ipeCfgAuxInOpenState OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(0..32))
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxInEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.6
ipeCfgAuxInCloseState OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(0..32))
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxInEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.7
ipeCfgAuxInSeverity OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), critical(1), major(2), minor(3),
                      warning(4) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxInEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.8
ipeCfgAuxInAlarmType OBJECT-TYPE
    SYNTAX          AlarmTypeValue
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
```

```
            ""
        ::= { ipeCfgAuxInEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.1.1.9
ipeCfgAuxInProbableCause OBJECT-TYPE
        SYNTAX          ProbableCauseValue
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            ""
        ::= { ipeCfgAuxInEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.2
ipeCfgAuxOutTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgAuxOutEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "AUX Output Table"
        ::= { ipeCfgAux 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.2.1.1
ipeCfgAuxOutIndex OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            ""
        ::= { ipeCfgAuxOutEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.2.1.2
ipeCfgAuxOutNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            ""
        ::= { ipeCfgAuxOutEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.2.1.3
ipeCfgAuxOutItemName OBJECT-TYPE
        SYNTAX          DisplayString (SIZE(0..32))
```

```
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxOutEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.2.1.4
ipeCfgAuxOutOpenState OBJECT-TYPE
    SYNTAX        DisplayString (SIZE(0..32))
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxOutEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.3.2.1.5
ipeCfgAuxOutCloseState OBJECT-TYPE
    SYNTAX        DisplayString (SIZE(0..32))
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAuxOutEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4
ipeCfgNtp OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1
ipeCfgNtpServiceTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF IpeCfgNtpServiceEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Table of NTP configuration information."
    ::= { ipeCfgNtp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1.1
ipeCfgNtpServiceIndex OBJECT-TYPE
```

```
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgNtpServiceEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1.2
ipeCfgNtpServiceNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgNtpServiceEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1.3
ipeCfgNtpServiceEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "NTP control enable."
    ::= { ipeCfgNtpServiceEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1.4
ipeCfgNtpServerMode OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), unicast(1), multicast(2),
                      disabled(3) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "NTP server mode."
    ::= { ipeCfgNtpServiceEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1.5
ipeCfgNtpClientMode OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), unicast(1), multicast(2),
                      disabled(3) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "NTP client mode."
    ::= { ipeCfgNtpServiceEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1.6
ipeCfgNtpServerStratum OBJECT-TYPE
    SYNTAX          INTEGER (2..15)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "NTP Stratum."
    ::= { ipeCfgNtpServiceEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1.7
ipeCfgNtpServerMulticastPort OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
```

```
            "NTP server multicast port."
        ::= { ipeCfgNtpServiceEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.1.1.8
ipeCfgNtpServerMulticastIntervalTime OBJECT-TYPE
        SYNTAX          INTEGER (4..17)
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "Value of NTP multicast polling time."
        ::= { ipeCfgNtpServiceEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.2
ipeCfgNtpServerTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgNtpServerEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Table of NTP server information."
        ::= { ipeCfgNtp 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.2.1.1
ipeCfgNtpServerIndex OBJECT-TYPE
        SYNTAX          INTEGER (1..4)
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of table."
        ::= { ipeCfgNtpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.2.1.2
ipeCfgNtpServerNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            ""
        ::= { ipeCfgNtpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.2.1.3
ipeCfgNtpServerAddress OBJECT-TYPE
        SYNTAX          IpAddress
```

```
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IP Address of NTP server."
    ::= { ipeCfgNtpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.2.1.4
ipeCfgNtpVersion OBJECT-TYPE
    SYNTAX          INTEGER (3..4)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Version of supported NTP message."
    ::= { ipeCfgNtpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.4.2.1.5
ipeCfgNtpPollTime OBJECT-TYPE
    SYNTAX          INTEGER (4..17)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "NTP Polling Time, in seconds as a power of two.
         For instance, a value of six indicates a interval of 64 seconds.

         Note) The value less than 6 is rejected by the agent because of
         the system recommendation.
          iPASOLINK 200/400/1000 series : R3.5 or later.
          iPASOLINK AOR : R1.0 or later."
    ::= { ipeCfgNtpServerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7
ipeCfgFtp OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1
ipeCfgFtpServerTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgFtpServerEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of FTP server configuration information."
    ::= { ipeCfgFtp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1.1.1
ipeCfgFtpServerIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgFtpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1.1.2
ipeCfgFtpServerNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgFtpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1.1.3
ipeCfgFtpServerEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), serviceDisable(1),
                      serviceEnable(2), alwaysEnable(3) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "FTP control enable."
    ::= { ipeCfgFtpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1.1.4
ipeCfgFtpServerCommandTcpPort OBJECT-TYPE
    SYNTAX          INTEGER (1..65535)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Port number of FTP command."
    ::= { ipeCfgFtpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1.1.5
ipeCfgFtpServerDataTcpPort OBJECT-TYPE
    SYNTAX          INTEGER (1..65535)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Port number of FTP data transfer."
    ::= { ipeCfgFtpServerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1.1.6
ipeCfgFtpServerMaxSession OBJECT-TYPE
    SYNTAX          INTEGER (1..3)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Number of max connections."
    ::= { ipeCfgFtpServerEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.7.1.1.7
ipeCfgFtpServerAutoDisable OBJECT-TYPE
```

```
    SYNTAX        INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "FTP automatic stop control enable."
    ::= { ipeCfgFtpServerEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.8
ipeCfgSftp OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.8.1
ipeCfgSftpServerTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF IpeCfgSftpServerEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Table of SFTP server configuration information."
    ::= { ipeCfgSftp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.8.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.8.1.1.1
ipeCfgSftpServerIndex OBJECT-TYPE
    SYNTAX        INTEGER (1)
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgSftpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.8.1.1.2
ipeCfgSftpServerNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgSftpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.8.1.1.3
ipeCfgSftpServerEnable OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), serviceDisable(1),
                    serviceEnable(2), alwaysEnable(3) }
    ACCESS        read-write
    STATUS          mandatory
    DESCRIPTION
        "SFTP control enable."
    ::= { ipeCfgSftpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.8.1.1.4
ipeCfgSftpServerAutoDisable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "SFTP automatic stop control enable."
    ::= { ipeCfgSftpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.9
ipeCfgHttp OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.9.1
ipeCfgHttpServerTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgHttpServerEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of HTTP configuration information."
    ::= { ipeCfgHttp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.9.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.9.1.1.1
ipeCfgHttpServerIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgHttpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.9.1.1.2
ipeCfgHttpServerNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgHttpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.9.1.1.3
ipeCfgHttpServerEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "HTTP control enable."
    ::= { ipeCfgHttpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.9.1.1.4
ipeCfgHttpServerTcpPort OBJECT-TYPE
    SYNTAX          INTEGER (1..65535)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Port number of HTTP."
    ::= { ipeCfgHttpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.10
ipeCfgHttps OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.10.1
ipeCfgHttpsServerTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgHttpsServerEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of HTTPS configuration information."
    ::= { ipeCfgHttps 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.10.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.10.1.1.1
ipeCfgHttpsServerIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgHttpsServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.10.1.1.2
```

```
ipeCfgHttpsServerNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            ""
      ::= { ipeCfgHttpsServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.10.1.1.3
ipeCfgHttpsServerEnable OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), disabled(1), enabled(2) }
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
            "HTTPS control enable."
      ::= { ipeCfgHttpsServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.10.1.1.4
ipeCfgHttpsServerTcpPort OBJECT-TYPE
      SYNTAX          INTEGER (1..65535)
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
            "TCP port number of HTTPS."
      ::= { ipeCfgHttpsServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11
ipeCfgSnmp OBJECT IDENTIFIER
      ::= { ipeConfigurationGroup 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.1
ipeCfgSnmpServerTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF IpeCfgSnmpServerEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "A table of SNMP configuration information."
      ::= { ipeCfgSnmp 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.1.1.1
ipeCfgSnmpServerIndex OBJECT-TYPE
      SYNTAX          INTEGER (1)
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this ipeCfgSnmpServerEntry.
             It's a fiexed value(= 1)."
      ::= { ipeCfgSnmpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.1.1.2
ipeCfgSnmpServerNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            ""
      ::= { ipeCfgSnmpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.1.1.3
ipeCfgSnmpV1V2cEnable OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), disabled(1), enabled(2) }
      ACCESS          read-write
      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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.1.1.4
ipeCfgSnmpV3Enable OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), disabled(1), enabled(2) }
      ACCESS          read-write
      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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.1.1.5
ipeCfgSnmpServerPort OBJECT-TYPE
      SYNTAX          INTEGER (1..65535)
      ACCESS          read-write
      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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2
ipeCfgSnmpCommunityTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF IpeCfgSnmpCommunityEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "A table of SNMP community information."
      ::= { ipeCfgSnmp 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2.1
```

```
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2.1.1
ipeCfgSnmpCommunityIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..10)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this ipeCfgSnmpCommunityEntry.
         You have to choose a value  from 1 to 10."
    ::= { ipeCfgSnmpCommunityEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2.1.2
ipeCfgSnmpCommunityNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgSnmpCommunityEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2.1.3
ipeCfgSnmpCommunityName OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(1..31))
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2.1.4
ipeCfgSnmpCommunityAccessLevel OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), operatorLevel(1), configLevel(2),
                      adminLevel(3) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "A access level of a connection using this entry's community
        name."
    ::= { ipeCfgSnmpCommunityEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2.1.5
ipeCfgSnmpCommunityAccessAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2.1.6
ipeCfgSnmpCommunityAccessPrefixLength OBJECT-TYPE
    SYNTAX          INTEGER (0..32)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "A prefix length of ipeCfgSnmpCommunityAccessAddress."
    ::= { ipeCfgSnmpCommunityEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.2.1.7
ipeCfgSnmpCommunityRowStatus OBJECT-TYPE
    SYNTAX          RowStatus { active(1), createAndGo(4), destroy(6) }
    ACCESS          read-write
    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 destory(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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3
ipeCfgSnmpTrapTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgSnmpTrapEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "A table of notification information."
    ::= { ipeCfgSnmp 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.1
ipeCfgSnmpTrapEntryIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..6)
    ACCESS          not-accessible
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.2
ipeCfgSnmpTrapEntryNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgSnmpTrapEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.3
ipeCfgSnmpTrapVersion OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), v1(1), v2c(2), v3(3) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "A version of this entry's notification."
    ::= { ipeCfgSnmpTrapEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.4
ipeCfgSnmpTrapNotifyType OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), trap(1), inform(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "A notification type of this entry's notification."
    ::= { ipeCfgSnmpTrapEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.5
ipeCfgSnmpTrapTargetAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.6
ipeCfgSnmpTrapTargetPort OBJECT-TYPE
    SYNTAX          INTEGER (1..65535)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Destination UDP port this entry's notification."
    ::= { ipeCfgSnmpTrapEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.7
ipeCfgSnmpTrapSecurityName OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(1..31))
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.8
ipeCfgSnmpTrapSecurityLevel OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), noAuthNoPriv(1), authNoPriv(2),
                      authPriv(3) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.9
ipeCfgSnmpTrapEngineId OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(5..32))
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.10
ipeCfgSnmpTrapAuthAlgorithm OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), md5(1), sha(2) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.11
ipeCfgSnmpTrapAuthKey OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(8..128))
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.12
ipeCfgSnmpTrapPrivAlgorithm OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), des(1), aes(2) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.13
ipeCfgSnmpTrapPrivKey OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(8..128))
    ACCESS          read-write
    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
            orignal 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.11.3.1.14
ipeCfgSnmpTrapRowStatus OBJECT-TYPE
    SYNTAX          RowStatus { active(1), createAndGo(4), destroy(6) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12
ipeCfgAccount OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1
ipeCfgAccountUserInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgAccountUserInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of user Information."
    ::= { ipeCfgAccount 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.1
ipeCfgAccountUserIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..102)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgAccountUserInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.2
ipeCfgAccountUserNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAccountUserInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.3
ipeCfgAccountUserName OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(1..31))
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.4
ipeCfgAccountUserKey OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(8..128))
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.5
ipeCfgAccountUserGroup OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(1..31))
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.6
ipeCfgAccountUserSnmpV3SecurityLevel OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), noAuthNoPriv(1), authNoPriv(2),
                      authPriv(3) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "SNMPv3 security level.

         Setting for SET/GET/TRAP at the time of the SNMPv3 use(INFORM is
         inapplicable)"
    ::= { ipeCfgAccountUserInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.7
ipeCfgAccountUserSnmpV3AuthAlgorithm OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), md5(1), sha(2) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.8
ipeCfgAccountUserSnmpV3AuthKey OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(8..128))
    ACCESS          read-write
    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
         orignal password (8..31).

         When the object 'ipeCfgSnmpTrapNotifyType' is set to inform(2),
         the INFORM PDU Authenticate key is configured by
         'ipeCfgSnmpTrapAuthKey'."
    ::= { ipeCfgAccountUserInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.9
ipeCfgAccountUserSnmpV3PrivAlgorithm OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), des(1), aes(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Cipher algorithm.

         Setting for SET/GET/TRAP at the time of the SNMPv3 use(INFORM is
         inapplicable)"
    ::= { ipeCfgAccountUserInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.10
ipeCfgAccountUserSnmpV3PrivKey OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(8..128))
    ACCESS          read-write
    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
         orignal password (8..31).

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

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.1.1.11
ipeCfgAccountUserRowStatus OBJECT-TYPE
    SYNTAX          RowStatus { active(1), createAndGo(4), destroy(6) }
    ACCESS          read-write
    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) modifing 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2
ipeCfgAccountGroupInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgAccountGroupInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of Group Information."
    ::= { ipeCfgAccount 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1
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,
    ipeCfgAccountGroupTelnet          INTEGER,
    ipeCfgAccountGroupSsh             INTEGER,
    ipeCfgAccountGroupFtp             INTEGER,
    ipeCfgAccountGroupSftp            INTEGER,
    ipeCfgAccountGroupHttp            INTEGER,
    ipeCfgAccountGroupHttps           INTEGER,
    ipeCfgAccountGroupSnmp            INTEGER,
    ipeCfgAccountGroupAccessLevel     INTEGER,
    ipeCfgAccountGroupRowStatus       RowStatus
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.1
ipeCfgAccountGroupIndex OBJECT-TYPE
    SYNTAX        INTEGER (1..10)
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgAccountGroupInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.2
ipeCfgAccountGroupNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAccountGroupInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.3
ipeCfgAccountGroupName OBJECT-TYPE
    SYNTAX        DisplayString (SIZE(1..31))
    ACCESS        read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.4
ipeCfgAccountGroupTelnet OBJECT-TYPE
```

```
    SYNTAX        INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "TELNET enable."
    ::= { ipeCfgAccountGroupInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.5
ipeCfgAccountGroupSsh OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "SSH enable."
    ::= { ipeCfgAccountGroupInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.6
ipeCfgAccountGroupFtp OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "FTP enable."
    ::= { ipeCfgAccountGroupInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.7
ipeCfgAccountGroupSftp OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "SFTP enable."
    ::= { ipeCfgAccountGroupInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.8
ipeCfgAccountGroupHttp OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "HTTP enable."
    ::= { ipeCfgAccountGroupInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.9
ipeCfgAccountGroupHttps OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "HTTPS enable."
    ::= { ipeCfgAccountGroupInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.10
ipeCfgAccountGroupSnmp OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), disabled(1), enabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "SNMP enable."
    ::= { ipeCfgAccountGroupInfoEntry 10 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.11
ipeCfgAccountGroupAccessLevel OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), operatorLevel(1), configLevel(2),
                      adminLevel(3) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Access level."
    ::= { ipeCfgAccountGroupInfoEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.2.1.12
ipeCfgAccountGroupRowStatus OBJECT-TYPE
    SYNTAX          RowStatus { active(1), createAndGo(4), destroy(6) }
    ACCESS          read-write
    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 <- 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) modifing 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4
ipeCfgUserAccountAuthTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgUserAccountAuthEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Configure user authentication method about Web LCT."
    ::= { ipeCfgAccount 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4.1
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,
    ipeCfgUserAccountAuthTrapEnable             INTEGER,
    ipeCfgUserAccountAuthTrapLocal              INTEGER,
    ipeCfgUserAccountAuthTrapExternal           INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4.1.1
ipeCfgUserAccountAuthIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "The index of this table."
    ::= { ipeCfgUserAccountAuthEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4.1.2
ipeCfgUserAccountAuthNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Reserved object for northbound interface."
    ::= { ipeCfgUserAccountAuthEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4.1.3
ipeCfgUserAccountAuthMode OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), mode1(1), mode2(2), mode3(3) }
    ACCESS          read-write
    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 supprted in future version."
    DEFVAL          { mode1 }
    ::= { ipeCfgUserAccountAuthEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4.1.4
ipeCfgUserAccountAuthOrder OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), localAuthFirst(1),
                      externalAuthFirst(2) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4.1.5
ipeCfgUserAccountAuthTrapEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), disable(1), enable(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Enable or disable user login trap.
         In case this object is set to enable, the system sends trap
         when user attempt to login to Web LCT."
    DEFVAL          { enable }
    ::= { ipeCfgUserAccountAuthEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.12.4.1.7
ipeCfgUserAccountAuthTrapExternal OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), success(1), failure(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Indicate authentication result of externel authentication.
         This object is dedicated for login control trap.
         If you read this object, the system returns invalid(0)."
    DEFVAL          { invalid }
    ::= { ipeCfgUserAccountAuthEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13
ipeCfgDhcpGroup OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.1
ipeCfgDhcpServerTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgDhcpServerEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "DHCPserver table."
    ::= { ipeCfgDhcpGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.1.1
ipeCfgDhcpServerEntry OBJECT-TYPE
    SYNTAX        IpeCfgDhcpServerEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "entry of DHCPserver table."
    INDEX         { ipeCfgDhcpServerNEAddress, ipeCfgDhcpServerIndex }
    ::= { ipeCfgDhcpServerTable 1 }

IpeCfgDhcpServerEntry ::= SEQUENCE {
    ipeCfgDhcpServerIndex              INTEGER,
    ipeCfgDhcpServerNEAddress          IpAddress,
    ipeCfgDhcpServerEnable             INTEGER,
    ipeCfgDhcpLeaseAddrRangeBegin      IpAddress,
    ipeCfgDhcpLeaseAddrRangeEnd        IpAddress
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.1.1.1
ipeCfgDhcpServerIndex OBJECT-TYPE
    SYNTAX        INTEGER (1..2)
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table.
         Index value '2' is used for redundant Ctrl card."
    ::= { ipeCfgDhcpServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.1.1.2
ipeCfgDhcpServerNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgDhcpServerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.1.1.3
ipeCfgDhcpServerEnable OBJECT-TYPE
    SYNTAX        INTEGER { start(1), stop(2), restart(3) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "Effective/invalid setting of DHCP.
         value range:start(1)
                     stop(2)
                     restart(3)
         DHCPD has already started. When the start is specified, DHCPD
         restart."
    ::= { ipeCfgDhcpServerEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.1.1.4
ipeCfgDhcpLeaseAddrRangeBegin OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "Beginning IPaddress within the range of lease address.
         value range:Dotted decimal notation
```

```
          denial value:0.0.0.0 , 127.0.0.1 , 255.255.255.255
          ipeCfgDhcpLeaseAddrRangeBegin don't same as
          ipeCfgPortLctIpAddress value"
    ::= { ipeCfgDhcpServerEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.1.1.5
ipeCfgDhcpLeaseAddrRangeEnd OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "End IPaddress within the range of lease address.
         value range:Dotted decimal notation
         denial value:0.0.0.0 , 127.0.0.1 , 255.255.255.255
         ipeCfgDhcpLeaseAddrRangeEnd don't same as ipeCfgPortLctIpAddress
         value"
    ::= { ipeCfgDhcpServerEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14
ipeCfgStpGroup OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1
ipeCfgStpBridgeTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgStpBridgeEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "STP state setting table."
    ::= { ipeCfgStpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1.1
ipeCfgStpBridgeEntry OBJECT-TYPE
    SYNTAX          IpeCfgStpBridgeEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "entry of STP state setting table."
    INDEX           { ipeCfgStpBridgeNEAddress, ipeCfgStpBridgeIndex }
    ::= { ipeCfgStpBridgeTable 1 }

IpeCfgStpBridgeEntry ::= SEQUENCE {
    ipeCfgStpBridgeIndex                INTEGER,
    ipeCfgStpBridgeNEAddress            IpAddress,
    ipeCfgStpEnable                     INTEGER,
    ipeCfgStpPriority                   INTEGER,
    ipeCfgStpBridgeMaxAge               Timeout,
    ipeCfgStpBridgeHelloTime            Timeout,
    ipeCfgStpBridgeForwardDelay         Timeout
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1.1.1
ipeCfgStpBridgeIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..20)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this ipeCfgStpBridgeEntry.
         Range from 1 o 20."
    ::= { ipeCfgStpBridgeEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1.1.2
ipeCfgStpBridgeNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgStpBridgeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1.1.3
ipeCfgStpEnable OBJECT-TYPE
    SYNTAX          INTEGER { enabled(1), disabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Effective/invalid setting of STP.
         value :enabled
                disabled"
    ::= { ipeCfgStpBridgeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1.1.4
ipeCfgStpPriority OBJECT-TYPE
    SYNTAX          INTEGER (0..65535)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Bridge priority.
         value range:0 to 65535"
    ::= { ipeCfgStpBridgeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1.1.5
ipeCfgStpBridgeMaxAge OBJECT-TYPE
    SYNTAX          Timeout (600..4000)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "MaxAge (in units of hundredths of a second).
         value range:600 to 4000
         rule: 2 * (ipeCfgStpBridgeForwardDelay - 1) =>
         ipeCfgStpBridgeMaxAge
              ipeCfgStpBridgeMaxAge >= 2 * (ipeCfgStpBridgeHelloTime + 1)"
    ::= { ipeCfgStpBridgeEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1.1.6
ipeCfgStpBridgeHelloTime OBJECT-TYPE
    SYNTAX          Timeout (100..1000)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "HelloTime (in units of hundredths of a second).
         value range:100 to 1000
         rule:ipeCfgStpBridgeMaxAge >= 2x(ipeCfgStpBridgeHelloTime + 1)"
    ::= { ipeCfgStpBridgeEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.1.1.7
ipeCfgStpBridgeForwardDelay OBJECT-TYPE
    SYNTAX          Timeout (400..3000)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "ForwardDelay (in units of hundredths of a second).
         value range:400 to 3000
         rule: 2 * (ipeCfgStpBridgeForwardDelay - 1) >=
         ipeCfgStpBridgeMaxAge"
    ::= { ipeCfgStpBridgeEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.2
ipeCfgStpPortTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgStpPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "STP port information table."
    ::= { ipeCfgStpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.2.1
ipeCfgStpPortEntry OBJECT-TYPE
    SYNTAX          IpeCfgStpPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "entry of   STP port information table."
    INDEX           { ipeCfgStpPortNEAddress, ipeCfgStpPortIfIndex }
    ::= { ipeCfgStpPortTable 1 }

IpeCfgStpPortEntry ::= SEQUENCE {
    ipeCfgStpPortIfIndex            InterfaceIndex,
    ipeCfgStpPortNEAddress          IpAddress,
    ipeCfgStpPortPriority           INTEGER,
    ipeCfgStpPortPathCost           INTEGER,
    ipeCfgStpPortEdgeEnable         INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.2.1.1
ipeCfgStpPortIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of I/F table."
    ::= { ipeCfgStpPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.2.1.2
ipeCfgStpPortNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgStpPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.2.1.3
ipeCfgStpPortPriority OBJECT-TYPE
    SYNTAX          INTEGER (0..63)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Port priority.
         value range:0 to 63"
        ::= { ipeCfgStpPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.2.1.4
ipeCfgStpPortPathCost OBJECT-TYPE
        SYNTAX          INTEGER (1..65535)
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
                "Pathcost.
                  value range:1 to 65535"
        ::= { ipeCfgStpPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.14.2.1.5
ipeCfgStpPortEdgeEnable OBJECT-TYPE
        SYNTAX          INTEGER { enabled(1), disabled(2) }
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
                "Effective/invalid setting of BPDU.
                  value range:enabled(1)
                                disabled(2)"
        ::= { ipeCfgStpPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15
ipeCfgPortGroup OBJECT IDENTIFIER
        ::= { ipeConfigurationGroup 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.1
ipeCfgPortModemTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgPortModemEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "MODEM port set up information table."
        ::= { ipeCfgPortGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.1.1
ipeCfgPortModemEntry OBJECT-TYPE
        SYNTAX          IpeCfgPortModemEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "entry of   MODEM port set up information table."
        INDEX           { ipeCfgPortModemNEAddress, ipeCfgPortModemIfIndex }
        ::= { ipeCfgPortModemTable 1 }

IpeCfgPortModemEntry ::= SEQUENCE {
        ipeCfgPortModemIfIndex          InterfaceIndex,
        ipeCfgPortModemNEAddress        IpAddress,
        ipeCfgPortModemEnable           INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.1.1.1
ipeCfgPortModemIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index of table."
        ::= { ipeCfgPortModemEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.1.1.2
ipeCfgPortModemNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgPortModemEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.1.1.3
ipeCfgPortModemEnable OBJECT-TYPE
    SYNTAX          INTEGER { enabled(1), disabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Effective/invalid setting of MODEM port.
         value range: enabled(1)
                      disabled(2)"
    ::= { ipeCfgPortModemEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2
ipeCfgPortLctTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgPortLctEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "LCT port set up information table."
    ::= { ipeCfgPortGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2.1
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,
    ipeCfgPortLctIpAddress    IpAddress,
    ipeCfgPortLctNetMask       IpAddress,
    ipeCfgPortLctEnable        INTEGER,
    ipeCfgPortLctMtu           INTEGER,
    ipeCfgPortLctAutoNeg       INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2.1.1
ipeCfgPortLctIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgPortLctEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2.1.2
```

```
ipeCfgPortLctNEAddress OBJECT-TYPE
    SYNTAX           IpAddress
    ACCESS           not-accessible
    STATUS           mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgPortLctEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2.1.3
ipeCfgPortLctIpAddress OBJECT-TYPE
    SYNTAX           IpAddress
    ACCESS           read-write
    STATUS           mandatory
    DESCRIPTION
        "IPaddress of LCT port.
         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, InbandMngVLAN1-16, Bridge1-Bridge20, NE2
         Value range:0x00000000-0xdfffffff(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 ipeCfgPortLctIpAddress, it becomes an
         Internet Protocol address deletion."
    ::= { ipeCfgPortLctEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2.1.4
ipeCfgPortLctNetMask OBJECT-TYPE
    SYNTAX           IpAddress
    ACCESS           read-write
    STATUS           mandatory
    DESCRIPTION
        "Subnet mask of LCT port.
         When it isn't proper as subnetmask, it'll be an error.
         Value range:0x00000000-0xfffffffc(0-30bit)"
    ::= { ipeCfgPortLctEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2.1.5
ipeCfgPortLctEnable OBJECT-TYPE
    SYNTAX           INTEGER { enabled(1), disabled(2) }
    ACCESS           read-write
    STATUS           mandatory
    DESCRIPTION
        "Effective/invalid setting of LCT port.
         value range: enabled
                      disabled"
    ::= { ipeCfgPortLctEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2.1.6
ipeCfgPortLctMtu OBJECT-TYPE
    SYNTAX           INTEGER (256..1500)
    ACCESS           read-write
    STATUS           mandatory
    DESCRIPTION
        "MTU value of LCT.
         value range:256 to 1500"
    ::= { ipeCfgPortLctEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.2.1.7
ipeCfgPortLctAutoNeg OBJECT-TYPE
    SYNTAX          INTEGER { enabled(1), disabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Effective/invalid setting of LCT AUTO NEGOTIATION.
         value range: enabled
                      disabled"
    ::= { ipeCfgPortLctEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.3
ipeCfgPortEtherTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgPortEtherEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "NMS/NE1 port set up information table."
    ::= { ipeCfgPortGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.3.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.3.1.1
ipeCfgPortEtherIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgPortEtherEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.3.1.2
ipeCfgPortEtherNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgPortEtherEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.3.1.3
ipeCfgPortEtherEnable OBJECT-TYPE
```

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

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.3.1.4
ipeCfgPortEtherAutoNeg OBJECT-TYPE
    SYNTAX        INTEGER { enabled(1), disabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "Auto negotiation invalid effective/setting of NMS/NE1 port.
         value range: enabled(1)
                      disabled(2)"
    ::= { ipeCfgPortEtherEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.3.1.5
ipeCfgPortEtherSpecialFilter OBJECT-TYPE
    SYNTAX        INTEGER { true(1), false(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "Setting of whether a special broadcast packet is blocked."
    ::= { ipeCfgPortEtherEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.3.1.6
ipeCfgPortEtherLldpMode OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), standardMode(1),
                    proprietaryMode(2) }
    ACCESS        read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.4
ipeCfgPortNe2Table OBJECT-TYPE
    SYNTAX        SEQUENCE OF IpeCfgPortNe2Entry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "NE2 port set up information table."
    ::= { ipeCfgPortGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.4.1
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,
      ipeCfgPortNe2NeighborMibEnable   INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.4.1.1
ipeCfgPortNe2IfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
          "Index of table."
      ::= { ipeCfgPortNe2Entry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.4.1.2
ipeCfgPortNe2NEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
          ""
      ::= { ipeCfgPortNe2Entry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.4.1.3
ipeCfgPortNe2IpAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
          "NE2 port IP Address.
           value range:0x00000000 - 0xdfffffff(0.0.0.0 - 223.255.255.255)
           The ppp function is restarted when setting it."
      ::= { ipeCfgPortNe2Entry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.4.1.4
ipeCfgPortNe2Enable OBJECT-TYPE
      SYNTAX          INTEGER { enabled(1), disabled(2) }
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
          "NE2 port enable.
           value range:enabled(1)
                       disabled(2)"
      ::= { ipeCfgPortNe2Entry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.4.1.5
ipeCfgPortNe2Speed OBJECT-TYPE
      SYNTAX          INTEGER { speed9600(9600), speed19200(19200) }
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
          "NE2 port baud rate.
```

```
             value range:9600bps(9600)
                         19200bps(19200)
             The ppp function is restarted when setting it."
        ::= { ipeCfgPortNe2Entry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.4.1.6
ipeCfgPortNe2NeighborMibEnable OBJECT-TYPE
        SYNTAX          INTEGER { enabled(1), disabled(2) }
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "NE2 port neighbor detection enable.
             value range:enabled(1)
                         disabled(2)
             The ppp function is restarted when setting it."
        ::= { ipeCfgPortNe2Entry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.5
ipeCfgPortE1Table OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgPortE1Entry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "E1 port set up information table."
        ::= { ipeCfgPortGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.5.1
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,
        ipeCfgPortE1ChannelNumber       INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.5.1.1
ipeCfgPortE1IfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of table."
        ::= { ipeCfgPortE1Entry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.5.1.2
ipeCfgPortE1NEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            ""
        ::= { ipeCfgPortE1Entry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.5.1.3
ipeCfgPortE1Enable OBJECT-TYPE
    SYNTAX          INTEGER { enabled(1), disabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Effective/invalid setting of E1 port.
         value range: enabled(1)
                      disabled(2)"
    ::= { ipeCfgPortE1Entry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.5.1.4
ipeCfgPortE1ChannelNumber OBJECT-TYPE
    SYNTAX          INTEGER (1..16)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Use channel of E1 port.
         value range:1 to 16"
    ::= { ipeCfgPortE1Entry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6
ipeCfgPortInbandTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgPortInbandEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "InBand Management VLAN port set up information table."
    ::= { ipeCfgPortGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1
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,
    ipeCfgPortInbandIpAddress     IpAddress,
    ipeCfgPortInbandNetMask       IpAddress,
    ipeCfgPortInbandEnable        INTEGER,
    ipeCfgPortInbandVlanId        INTEGER,
    ipeCfgPortInbandMtu           INTEGER,
    ipeCfgPortInbandCos           INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1.1
ipeCfgPortInbandIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgPortInbandEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1.2
ipeCfgPortInbandNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgPortInbandEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1.3
ipeCfgPortInbandIpAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    STATUS          obsolete
    DESCRIPTION
        "IPaddress of INBAND Management VLAN port.
         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, InbandMngVLAN1-16, Bridge1-20, NE2
         Value range: 0x00000000 - 0xdfffffff(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."
    ::= { ipeCfgPortInbandEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1.4
ipeCfgPortInbandNetMask OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    STATUS          obsolete
    DESCRIPTION
        "Subnet mask of INBAND Management VLAN port.
         When it isn't proper as subnetmask, it'll be an error.
         Value range:0x00000000 - 0xfffffffc(0 - 30bit)"
    ::= { ipeCfgPortInbandEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1.5
ipeCfgPortInbandEnable OBJECT-TYPE
    SYNTAX          INTEGER { enabled(1), disabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Effective/invalid setting of INBAND Management VLAN port.
         value range: enabled(1)
                      disabled(2)"
    ::= { ipeCfgPortInbandEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1.6
ipeCfgPortInbandVlanId OBJECT-TYPE
    SYNTAX          INTEGER (1..4094)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "VLAN ID of INBAND Management VLAN port.
```

```
                value range:1 to 4094"
        ::= { ipeCfgPortInbandEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1.7
ipeCfgPortInbandMtu OBJECT-TYPE
        SYNTAX          INTEGER (256..1500)
        ACCESS          read-write
        STATUS          obsolete
        DESCRIPTION
              "MTU value of INBAND Management VLAN port.
                value range:256 to 1500"
        ::= { ipeCfgPortInbandEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.6.1.8
ipeCfgPortInbandCos OBJECT-TYPE
        SYNTAX          INTEGER (0..7)
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
              "CoS value of INBAND Management VLAN port"
        DEFVAL          { 7 }
        ::= { ipeCfgPortInbandEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.7
ipeCfgPortMainEtherTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgPortMainEtherEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
              "Main traffic ether port set up information table."
        ::= { ipeCfgPortGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.7.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.7.1.1
ipeCfgPortMainEtherIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
              "Index of table.
                Ifindex of main traffic ether port."
        ::= { ipeCfgPortMainEtherEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.7.1.2
ipeCfgPortMainEtherNEAddress OBJECT-TYPE
```

```
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { ipeCfgPortMainEtherEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.15.7.1.3
ipeCfgPortMainEtherLldpMode OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), standardMode(1),
                      proprietaryMode(2) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16
ipeCfgBridgeGroup OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.1
ipeCfgBridgeTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgBridgeEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Bridge set up information table."
    ::= { ipeCfgBridgeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.1.1.1
ipeCfgBridgeIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..20)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgBridgeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.1.1.2
ipeCfgBridgeNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgBridgeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.1.1.3
ipeCfgBridgeIpAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IPAddress set to bridge.
         Value range:0x00000000 - 0xdfffffff(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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.1.1.4
ipeCfgBridgeNetMask OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Netmask set to bridge.
         When it isn't proper as subnetmask, it'll be an error.
         Value range:0x00000000 - 0xfffffffc(0 - 30bit)

         There can not be relation and it sets, and it refer the number of
         branch."
    ::= { ipeCfgBridgeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.1.1.5
ipeCfgBridgeMtu OBJECT-TYPE
    SYNTAX          INTEGER (256..1500)
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.2
ipeCfgBridgePortTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgBridgePortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Bridge set up information table."
    ::= { ipeCfgBridgeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.2.1.1
ipeCfgBridgePortIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    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,RADIO00-10,InbandMngVLAN1-16)"
    ::= { ipeCfgBridgePortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.2.1.2
ipeCfgBridgePortNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgBridgePortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.16.2.1.3
ipeCfgBridgePortBridgeIndex OBJECT-TYPE
    SYNTAX          INTEGER (0..20)
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Index value of bridge."
    ::= { ipeCfgBridgePortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17
ipeCfgPripGroup OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 17 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.1
ipeCfgPripTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF IpeCfgPripEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "PRIP set up information table."
    ::= { ipeCfgPripGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.1.1
ipeCfgPripEntry OBJECT-TYPE
    SYNTAX         IpeCfgPripEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "entry of PRIP set up information table."
    INDEX          { ipeCfgPripNEAddress, ipeCfgPripIndex }
    ::= { ipeCfgPripTable 1 }

IpeCfgPripEntry ::= SEQUENCE {
    ipeCfgPripIndex             INTEGER,
    ipeCfgPripNEAddress         IpAddress,
    ipeCfgPripRouteEnable       INTEGER,
    ipeCfgPripUdpPort           INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.1.1.1
ipeCfgPripIndex OBJECT-TYPE
    SYNTAX         INTEGER (1)
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of this ipeCfgPripEntry.
         It's a fiexed value(= 1)."
    ::= { ipeCfgPripEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.1.1.2
ipeCfgPripNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgPripEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.1.1.3
ipeCfgPripRouteEnable OBJECT-TYPE
    SYNTAX         INTEGER { invalid(0), enabled(1), disabled(2) }
    ACCESS         read-write
    STATUS         mandatory
    DESCRIPTION
        "Enable or disables PRIP.

         enabled(1):PRIP is enabled.
         disabled(2):PRIP is disabled."
    ::= { ipeCfgPripEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.1.1.4
ipeCfgPripUdpPort OBJECT-TYPE
    SYNTAX         INTEGER { ripdefaultport(520), pripdefaultport(8520) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "Setting of UDP port number used with PRIP.

         Either of 8520 or 520 is set.

         This setting is valid since PRIP will start next time."
    ::= { ipeCfgPripEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.2
ipeCfgPripPortTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF IpeCfgPripPortEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "PRIP set up information table.(per port)"
    ::= { ipeCfgPripGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.2.1
ipeCfgPripPortEntry OBJECT-TYPE
    SYNTAX        IpeCfgPripPortEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "entry of PRIP set up information table.(per port)"
    INDEX         { ipeCfgPripPortNEAddress, ipeCfgPripPortIfIndex }
    ::= { ipeCfgPripPortTable 1 }

IpeCfgPripPortEntry ::= SEQUENCE {
    ipeCfgPripPortIfIndex                 InterfaceIndex,
    ipeCfgPripPortNEAddress                 IpAddress,
    ipeCfgPripPortEnable                  INTEGER,
    ipeCfgPripPortPropagateNetEnable      INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.2.1.1
ipeCfgPripPortIfIndex OBJECT-TYPE
    SYNTAX        InterfaceIndex
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of table."
    ::= { ipeCfgPripPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.2.1.2
ipeCfgPripPortNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgPripPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.2.1.3
ipeCfgPripPortEnable OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), enabled(1), disabled(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
```

```
        "Setting of some port when PRIP will be enabled.

         enabled(1)   : this port is enabled.
         disabled(2) : this port is disable."
    ::= { ipeCfgPripPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.17.2.1.4
ipeCfgPripPortPropagateNetEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), enabled(1), disabled(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Propagate setting for neighbor NE.

         enabled(1)   : this port is propagated.
         disabled(2) : this port is not propagated.
                       (Do not register in the RIP route.)"
    ::= { ipeCfgPripPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.18
ipeCfgNaptGroup OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.18.1
ipeCfgNaptTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgNaptEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "NAPT set up information table."
    ::= { ipeCfgNaptGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.18.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.18.1.1.1
ipeCfgNaptIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this ipeCfgNaptEntry.
         It's a fixed value(=1)."
    ::= { ipeCfgNaptEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.18.1.1.2
ipeCfgNaptNEAddress OBJECT-TYPE
```

```
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgNaptEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.18.1.1.3
ipeCfgNaptEnable OBJECT-TYPE
    SYNTAX         INTEGER { enabled(1), disabled(2) }
    ACCESS         read-write
    STATUS         mandatory
    DESCRIPTION
        "Address translation invalid effective/setting by NAPT.
         value range: enabled
                      disabled"
    ::= { ipeCfgNaptEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19
ipeCfgStaticRouteGroup OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19.1
ipeCfgStaticRouteTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF IpeCfgStaticRouteEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Static Routing set up information table."
    ::= { ipeCfgStaticRouteGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19.1.1.1
ipeCfgRouteIndex OBJECT-TYPE
    SYNTAX         INTEGER (1..128)
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of table(1 to 128)."
    ::= { ipeCfgStaticRouteEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19.1.1.2
```

```
ipeCfgRouteNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgStaticRouteEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19.1.1.3
ipeCfgRouteDest OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         read-write
    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:0x00000000-0xdfffffff(0.0.0.0-223.255.255.255)
         The value acquisition when unsetting it returns NoSuchObject."
    ::= { ipeCfgStaticRouteEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19.1.1.4
ipeCfgRouteMask OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19.1.1.5
ipeCfgRouteNextHop OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         read-write
    STATUS         mandatory
    DESCRIPTION
        "Static routing object gateway address.
         Value range:0x00000001 - 0xdfffffff(0.0.0.1 - 223.255.255.255)
         The value acquisition when unsetting it returns NoSuchObject."
    ::= { ipeCfgStaticRouteEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.19.1.1.6
ipeCfgRouteRowStatus OBJECT-TYPE
    SYNTAX         RowStatus { active(1), createAndGo(4), destroy(6) }
    ACCESS         read-write
    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) modifing 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 <- destory(6)"
        ::= { ipeCfgStaticRouteEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21
ipeCfgAccessListGroup OBJECT IDENTIFIER
        ::= { ipeConfigurationGroup 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.1
ipeCfgAccessListRuleTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgAccessListRuleEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Table of Access List(Rule)."
        ::= { ipeCfgAccessListGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.1.1.1
ipeCfgAccessListRuleEnableIndex OBJECT-TYPE
        SYNTAX          INTEGER (1)
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index of this ipeCfgAccessListRuleEntry.
                 It's a fixed value(=1)."
        ::= { ipeCfgAccessListRuleEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.1.1.2
ipeCfgAccessListRuleNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
```

```
    DESCRIPTION
        ""
    ::= { ipeCfgAccessListRuleEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.1.1.3
ipeCfgAccessListInputRuleEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), disable(1), enable(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IP Access Control Input Filter Rule"
    ::= { ipeCfgAccessListRuleEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.1.1.4
ipeCfgAccessListForwardRuleEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), disable(1), enable(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IP Access Control Forwarding Filter Rule"
    ::= { ipeCfgAccessListRuleEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.1.1.5
ipeCfgAccessListInputDefaultAction OBJECT-TYPE
    SYNTAX          INTEGER { permit(1), deny(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IP Access Control Input Default Action."
    ::= { ipeCfgAccessListRuleEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.1.1.6
ipeCfgAccessListForwardDefaultAction OBJECT-TYPE
    SYNTAX          INTEGER { permit(1), deny(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IP Access Control Forwarding Default Action"
    ::= { ipeCfgAccessListRuleEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2
ipeCfgAccessListInputTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgAccessListInputEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of Access List(Input Direction)."
    ::= { ipeCfgAccessListGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.1
ipeCfgAccessListInputOrderNum OBJECT-TYPE
     SYNTAX          INTEGER (1..50)
     ACCESS          not-accessible
     STATUS          mandatory
     DESCRIPTION
          "Index of table(1-50)."
     ::= { ipeCfgAccessListInputEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.2
ipeCfgAccessListInputNEAddress OBJECT-TYPE
     SYNTAX          IpAddress
     ACCESS          not-accessible
     STATUS          mandatory
     DESCRIPTION
          ""
     ::= { ipeCfgAccessListInputEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.3
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-write
     STATUS          mandatory
     DESCRIPTION
          "IP Access Control Input Filter Interface.

           The value 'inband' is not supported."
     ::= { ipeCfgAccessListInputEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.4
ipeCfgAccessListInputSrcIpAddress OBJECT-TYPE
     SYNTAX          IpAddress
     ACCESS          read-write
     STATUS          mandatory
     DESCRIPTION
          "IP Access Control Input Filter Source IP Address"
     ::= { ipeCfgAccessListInputEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.5
ipeCfgAccessListInputSrcNetMask OBJECT-TYPE
     SYNTAX          IpAddress
     ACCESS          read-write
     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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.6
ipeCfgAccessListInputProtocol OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IP Access Control Input Filter Protocol.
         '-1' acts as 'Any'."
    ::= { ipeCfgAccessListInputEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.7
ipeCfgAccessListInputDstPortNum OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IP Access Control Input Filter Port Number.
         '-1' acts as 'Any'."
    ::= { ipeCfgAccessListInputEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.8
ipeCfgAccessListInputAction OBJECT-TYPE
    SYNTAX          INTEGER { permit(1), deny(2) }
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "IP Access Control Input Filter Action."
    ::= { ipeCfgAccessListInputEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.2.1.9
ipeCfgAccessListInputRowStatus OBJECT-TYPE
    SYNTAX          RowStatus { active(1), createAndGo(4), destroy(6) }
    ACCESS          read-write
    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) modifing a entry
            It isn't possible.

            3) deleting a entry
            When you SET a destroy(6) to ipeCfgAccessListInputRowStatus, the
            entry is destroyed."
    ::= { ipeCfgAccessListInputEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3
ipeCfgAccessListForwardTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgAccessListForwardEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Table of Access List(Forward Direction)."
    ::= { ipeCfgAccessListGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.1
ipeCfgAccessListForwardOrderNum OBJECT-TYPE
    SYNTAX          INTEGER (1..50)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table(1-50)."
    ::= { ipeCfgAccessListForwardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.2
ipeCfgAccessListForwardNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAccessListForwardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.3
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-write
    STATUS        mandatory
    DESCRIPTION
        "IP Access Control Forward Filter Input Interface.

         The value 'inband' is not supported."
    ::= { ipeCfgAccessListForwardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.4
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-write
    STATUS        mandatory
    DESCRIPTION
        "IP Access Control Forward Filter Output Interface.

         The value 'inband' is not supported."
    ::= { ipeCfgAccessListForwardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.5
ipeCfgAccessListForwardSrcIpAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "IP Access Control Forward Filter Source IP Address."
    ::= { ipeCfgAccessListForwardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.6
ipeCfgAccessListForwardSrcNetMask OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.7
```

```
ipeCfgAccessListForwardDstIpAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "IP Access Control Forward Filter Destination IP Address."
    ::= { ipeCfgAccessListForwardEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.8
ipeCfgAccessListForwardDstNetMask OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.9
ipeCfgAccessListForwardProtocol OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "IP Access Control Forward Filter Protocol.
         '-1' acts as 'Any'."
    ::= { ipeCfgAccessListForwardEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.10
ipeCfgAccessListForwardSrcPortNum OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "IP Access Control Forward Filter Source Port Number.
         '-1' acts as 'Any'."
    ::= { ipeCfgAccessListForwardEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.11
ipeCfgAccessListForwardDstPortNum OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "IP Access Control Forward Filter Destination Port Number.
         '-1' acts as 'Any'."
    ::= { ipeCfgAccessListForwardEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.12
ipeCfgAccessListForwardAction OBJECT-TYPE
    SYNTAX        INTEGER { permit(1), deny(2) }
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "IP Access Control Forward Filter Action."
    ::= { ipeCfgAccessListForwardEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.21.3.1.13
ipeCfgAccessListForwardRowStatus OBJECT-TYPE
```

```
    SYNTAX        RowStatus { active(1), createAndGo(4), destroy(6) }
    ACCESS        read-write
    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) modifing a entry
         It isn't possible.

         3) deleting a entry
         When you SET a destroy(6) to ipeCfgAccessListForwardRowStatus,
         the entry is destroyed."
    ::= { ipeCfgAccessListForwardEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.22
ipeCfgAutoIpGroup OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 22 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.22.1
ipeCfgAutoIpTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF IpeCfgAutoIpEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Table of AutoIP configuration information."
    ::= { ipeCfgAutoIpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.22.1.1
ipeCfgAutoIpEntry OBJECT-TYPE
    SYNTAX        IpeCfgAutoIpEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Entry of AutoIP configuration information."
    INDEX           { ipeCfgAutoIpNEAddress, ipeCfgAutoIpIndex }
    ::= { ipeCfgAutoIpTable 1 }

IpeCfgAutoIpEntry ::= SEQUENCE {
    ipeCfgAutoIpIndex               INTEGER,
    ipeCfgAutoIpNEAddress           IpAddress,
    ipeCfgAutoIpNetworkAddress      IpAddress,
    ipeCfgAutoIpNetMask             IpAddress
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.22.1.1.1
ipeCfgAutoIpIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of table.
         It's a fixed value(=1)."
    ::= { ipeCfgAutoIpEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.22.1.1.2
ipeCfgAutoIpNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { ipeCfgAutoIpEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.22.1.1.3
ipeCfgAutoIpNetworkAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Aggregation Net of AutoIP.
         A set value becomes a binary.
         Value range:0x00000000-0xdfffffff(0.0.0.0-223.255.255.255)
         If this value is changed in state of 'now setting' or 'automatic
         setting', AutoIP will set IP Address again."
    ::= { ipeCfgAutoIpEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.22.1.1.4
ipeCfgAutoIpNetMask OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Aggregation NetMask of AutoIp.
         A set value becomes a binary.
         Value range:0x80000000-0xfffffffc(1-30bit)
         If this value is changed in state of 'now setting' or 'automatic
         setting', AutoIP will set IP Address again."
    ::= { ipeCfgAutoIpEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.25
```

```
ipeCfgSysNE1PortTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF IpeCfgSysNE1PortEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "NE1 Port Mode Configuration Table."
      ::= { ipeConfigurationGroup 25 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.25.1
ipeCfgSysNE1PortEntry OBJECT-TYPE
      SYNTAX          IpeCfgSysNE1PortEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            ""
      INDEX           { ipeCfgSysNE1PortNEAddress, ipeCfgSysNE1PortIndex }
      ::= { ipeCfgSysNE1PortTable 1 }

IpeCfgSysNE1PortEntry ::= SEQUENCE {
      ipeCfgSysNE1PortIndex           INTEGER,
      ipeCfgSysNE1PortNEAddress       IpAddress,
      ipeCfgSysNE1PortMode            INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.25.1.1
ipeCfgSysNE1PortIndex OBJECT-TYPE
      SYNTAX          INTEGER (1)
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { ipeCfgSysNE1PortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.25.1.2
ipeCfgSysNE1PortNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            ""
      ::= { ipeCfgSysNE1PortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.25.1.3
ipeCfgSysNE1PortMode OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), userPort(1), mgmtPort(2) }
      ACCESS          read-write
      STATUS          mandatory
      DESCRIPTION
            "NE1 Port Mode Configuration"
      DEFVAL          { userPort }
      ::= { ipeCfgSysNE1PortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27
ipeCfgRadiusGroup OBJECT IDENTIFIER
      ::= { ipeConfigurationGroup 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.1
ipeCfgRadiusGeneralTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF IpeCfgRadiusGeneralEntry
      ACCESS          not-accessible
```

```
        STATUS          mandatory
        DESCRIPTION
                "Configure RADIUS parameters."
        ::= { ipeCfgRadiusGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.1.1.1
ipeCfgRadiusGeneralIndex OBJECT-TYPE
        SYNTAX          INTEGER (1)
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "The index of this table."
        ::= { ipeCfgRadiusGeneralEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.1.1.2
ipeCfgRadiusGeneralNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Reserved object for northbound interface."
        ::= { ipeCfgRadiusGeneralEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.1.1.3
ipeCfgRadiusGeneralAuthClientRetransmit OBJECT-TYPE
        SYNTAX          INTEGER (0..255)
        ACCESS          read-write
        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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.1.1.4
ipeCfgRadiusGeneralAuthClientTimeout OBJECT-TYPE
        SYNTAX          INTEGER (0..65535)
        ACCESS          read-write
        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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2
ipeCfgRadiusAuthServerExtTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF IpeCfgRadiusAuthServerExtEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Configure RADIUS authentication server parameters."
    ::= { ipeCfgRadiusGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1.1
ipeCfgRadiusAuthServerExtIndex OBJECT-TYPE
    SYNTAX         INTEGER (1..3)
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "The index of this table."
    ::= { ipeCfgRadiusAuthServerExtEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1.2
ipeCfgRadiusAuthServerNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Reserved object for northbound interface."
    ::= { ipeCfgRadiusAuthServerExtEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1.3
ipeCfgRadiusAuthServerAddressType OBJECT-TYPE
    SYNTAX         INTEGER { invalid(0), ipv4(1), ipv6(2) }
    ACCESS         read-write
    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 supprted in future version."
        DEFVAL          { ipv4 }
        ::= { ipeCfgRadiusAuthServerExtEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1.4
ipeCfgRadiusAuthServerAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "Indicate IP address of this server."
        ::= { ipeCfgRadiusAuthServerExtEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1.5
ipeCfgRadiusAuthClientServerPortNumber OBJECT-TYPE
        SYNTAX          INTEGER (0..65535)
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "Indicate port number of RADIUS authentication protocol on
             this server."
        DEFVAL          { 1812 }
        ::= { ipeCfgRadiusAuthServerExtEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1.6
ipeCfgRadiusAuthClientPasswordType OBJECT-TYPE
        SYNTAX          INTEGER { invalid(0), user(1), chap(2) }
        ACCESS          read-write
        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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1.7
ipeCfgRadiusAuthClientSecretKey OBJECT-TYPE
        SYNTAX          DisplayString (SIZE(8..128))
        ACCESS          read-write
        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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.2.1.8
    ipeCfgRadiusAuthServerExtRowStatus OBJECT-TYPE
        SYNTAX          RowStatus
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "The row status of this table."
        ::= { ipeCfgRadiusAuthServerExtEntry 8 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.3
    ipeCfgRadiusPrivLevelGeneralTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgRadiusPrivLevelGeneralEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Configure general privilege level for RADIUS
              authetication."
        ::= { ipeCfgRadiusGroup 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.3.1
    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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.3.1.1
    ipeCfgRadiusPrivLevelGeneralIndex OBJECT-TYPE
        SYNTAX          INTEGER (1)
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "The index of this table."
        ::= { ipeCfgRadiusPrivLevelGeneralEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.3.1.2
    ipeCfgRadiusPrivLevelGeneralNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Reserved object for northbound interface."
        ::= { ipeCfgRadiusPrivLevelGeneralEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.3.1.3
    ipeCfgRadiusPrivLevelGeneralDefaultAction OBJECT-TYPE
```

```
        SYNTAX          INTEGER { invalid(0), denyLogin(1), useDefaultGroup(2) }
        ACCESS          read-write
        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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.3.1.4
    ipeCfgRadiusPrivLevelGeneralDefaultGroup OBJECT-TYPE
        SYNTAX          DisplayString (SIZE(1..32))
        ACCESS          read-write
        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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.4
    ipeCfgRadiusGroupPrivLevelMappingTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgRadiusGroupPrivLevelMappingEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Configure privilege level mapping for RADIUS
             authentication."
        ::= { ipeCfgRadiusGroup 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.4.1
    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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.4.1.1
ipeCfgRadiusGroupPrivLevelMappingPrivLevel OBJECT-TYPE
    SYNTAX          INTEGER (0..15)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "The index of this table.
         The value corresponds to received privilege level on
         Access-Accept message."
    ::= { ipeCfgRadiusGroupPrivLevelMappingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.4.1.2
ipeCfgRadiusGroupPrivLevelMappingNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Reserved object for northbound interface."
    ::= { ipeCfgRadiusGroupPrivLevelMappingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.4.1.3
ipeCfgRadiusGroupPrivLevelMappingEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), disable(1), enable(2) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.27.4.1.4
ipeCfgRadiusGroupPrivLevelMappingGroup OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(1..32))
    ACCESS          read-write
    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 registerd in
                the system (as ipeCfgAccountGroupName).
                The characters which can be used are '-', '_','0'-'9',
                'a'-'z' and 'A'-'Z'."
        ::= { ipeCfgRadiusGroupPrivLevelMappingEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.28
ipeCfgLldpGroup OBJECT IDENTIFIER
        ::= { ipeConfigurationGroup 28 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.28.1
ipeCfgLldpTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgLldpEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "LLDP set up information table."
        ::= { ipeCfgLldpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.28.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.28.1.1.1
ipeCfgLldpIndex OBJECT-TYPE
        SYNTAX          INTEGER (1)
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "The index of this table."
        ::= { ipeCfgLldpEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.28.1.1.2
ipeCfgLldpNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "reserved."
        ::= { ipeCfgLldpEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.28.1.1.3
ipeCfgLldpProprietaryModeMacAddress OBJECT-TYPE
```

```
    SYNTAX          MacAddress
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.29
ipeCfgMgmtTrafficGrop OBJECT IDENTIFIER
    ::= { ipeConfigurationGroup 29 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.29.1
ipeCfgMgmtTrafficControlTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgMgmtTrafficControlEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This table configures the M-plane traffic."
    ::= { ipeCfgMgmtTrafficGrop 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.29.1.1
ipeCfgMgmtTrafficControlEntry OBJECT-TYPE
    SYNTAX          IpeCfgMgmtTrafficControlEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { ipeCfgMgmtTrafficControlNEAddress, ipeCfgMgmtTrafficControlIndex }
    ::= { ipeCfgMgmtTrafficControlTable 1 }

IpeCfgMgmtTrafficControlEntry ::= SEQUENCE {
    ipeCfgMgmtTrafficControlIndex           INTEGER,
    ipeCfgMgmtTrafficControlNEAddress       IpAddress,
    ipeCfgMgmtTrafficRate                   INTEGER,
    ipeCfgMgmtTraffcEgressCos               INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.29.1.1.1
ipeCfgMgmtTrafficControlIndex OBJECT-TYPE
    SYNTAX          INTEGER (1)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Indef of this table."
    ::= { ipeCfgMgmtTrafficControlEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.29.1.1.2
ipeCfgMgmtTrafficControlNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { ipeCfgMgmtTrafficControlEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.29.1.1.3
ipeCfgMgmtTrafficRate OBJECT-TYPE
```

```
    SYNTAX          INTEGER (0 | 500..10000)
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.29.1.1.4
ipeCfgMgmtTraffcEgressCos OBJECT-TYPE
    SYNTAX          INTEGER (5..7)
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.4
ipeCommunicationsGroup OBJECT IDENTIFIER
    ::= { system5 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.4.1
ipeNeighborInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeNeighborInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Neighbor NE table."
    ::= { ipeCommunicationsGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.4.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.4.1.1.1
ipeNeighborInfoIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
```

```
                "Index of table."
            ::= { ipeNeighborInfoEntry 1 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.4.1.1.2
        ipeNeighborInfoNEAddress OBJECT-TYPE
            SYNTAX          IpAddress
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                ""
            ::= { ipeNeighborInfoEntry 2 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.4.1.1.3
        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 }

    END -- end of module MIB-PNMSJ-IPASOLINK-400-SYSTEM-MIB.
```

Appendix 4: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-CASCADE-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-CASCADE-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        OBJECT-TYPE
            FROM RFC-1212
        IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI
        RowStatus
            FROM SNMPv2-TC;

    IpeCascadeShelfCount ::=
        INTEGER (1..4)


    IpeCascadeShelfIndex ::=
        INTEGER (1..4)


    -- 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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503
    ipasolink400 OBJECT IDENTIFIER
        ::= { commonPnms 503 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5
    system5 OBJECT IDENTIFIER
        ::= { ipasolink400 5 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3
    ipeConfigurationGroup OBJECT IDENTIFIER
        ::= { system5 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26
    ipeCfgCascadeGroup OBJECT IDENTIFIER
```

```
        ::= { ipeConfigurationGroup 26 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.1
ipeCfgCascadeTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgCascadeEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "this table configures cascade group information.
                 the information contains total shelf counts and
                 shelf id for the shelf."
        ::= { ipeCfgCascadeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.1.1
ipeCfgCascadeEntry OBJECT-TYPE
        SYNTAX          IpeCfgCascadeEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                ""
        INDEX           { ipeCfgCascadeNEAddress, ipeCfgCascadeId }
        ::= { ipeCfgCascadeTable 1 }

IpeCfgCascadeEntry ::= SEQUENCE {
        ipeCfgCascadeId              INTEGER,
        ipeCfgCascadeNEAddress    IpAddress,
        ipeCfgCascadeShelves       IpeCascadeShelfCount,
        ipeCfgCascadeMyShelfId    IpeCascadeShelfIndex
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.1.1.1
ipeCfgCascadeId OBJECT-TYPE
        SYNTAX          INTEGER (1)
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index for this table."
        ::= { ipeCfgCascadeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.1.1.2
ipeCfgCascadeNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Reserved."
        ::= { ipeCfgCascadeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.1.1.3
ipeCfgCascadeShelves OBJECT-TYPE
        SYNTAX          IpeCascadeShelfCount
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
                "The total count of cascaded shelves.
                 This object must have same value among the cascaded
                 shelves"
        ::= { ipeCfgCascadeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.1.1.4
```

```
ipeCfgCascadeMyShelfId OBJECT-TYPE
    SYNTAX        IpeCascadeShelfIndex
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "the shelf id for this shelf.
         this object must not be larger than ipeCfgCascadeShelves.
         And this object must not have same value among the cascaded
         shelves."
    ::= { ipeCfgCascadeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.2
ipeCfgCascadeShelfTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF IpeCfgCascadeShelfEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "this table configures the ip address for the cascade
         shelves."
    ::= { ipeCfgCascadeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.2.1
ipeCfgCascadeShelfEntry OBJECT-TYPE
    SYNTAX        IpeCfgCascadeShelfEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX         { ipeCfgCascadeShelfNEAddress, ipeCfgCascadeShelfId }
    ::= { ipeCfgCascadeShelfTable 1 }

IpeCfgCascadeShelfEntry ::= SEQUENCE {
    ipeCfgCascadeShelfId                IpeCascadeShelfIndex,
    ipeCfgCascadeShelfNEAddress         IpAddress,
    ipeCfgCascadeShelfRowStatus         RowStatus,
    ipeCfgCascadeShelfIpAddress         IpAddress
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.2.1.1
ipeCfgCascadeShelfId OBJECT-TYPE
    SYNTAX        IpeCascadeShelfIndex
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "index of this table.
         This value must not larger than ipeCfgCascadeShelves."
    ::= { ipeCfgCascadeShelfEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.2.1.2
ipeCfgCascadeShelfNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved"
    ::= { ipeCfgCascadeShelfEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.2.1.3
ipeCfgCascadeShelfRowStatus OBJECT-TYPE
    SYNTAX        RowStatus
```

```
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "RowStatus for this entry."
        ::= { ipeCfgCascadeShelfEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.26.2.1.4
    ipeCfgCascadeShelfIpAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "The IP Address of cascaded shelf whose shelf id is
             ipeCfgCascadeShelfId."
        ::= { ipeCfgCascadeShelfEntry 4 }

END -- end of module MIB-PNMSJ-IPASOLINK-400-CASCADE-MIB.
```

Appendix 5: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-DHCP-MAIN-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-DHCP-MAIN-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI
        MacAddress, RowStatus
            FROM SNMPv2-TC;

    EnableDisableValue ::=
        INTEGER { invalid(0), disable(1), enable(2) }


    -- 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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503
    ipasolink400 OBJECT IDENTIFIER
        ::= { commonPnms 503 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5
    system5 OBJECT IDENTIFIER
        ::= { ipasolink400 5 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3
    ipeConfigurationGroup OBJECT IDENTIFIER
        ::= { system5 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13
    ipeCfgDhcpGroup OBJECT IDENTIFIER
        ::= { ipeConfigurationGroup 13 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2
ipeCfgDhcpMainServerTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF IpeCfgDhcpMainServerEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "IPv4 DHCP server/relay configuraion table for main traffic."
    ::= { ipeCfgDhcpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.1
ipeCfgDhcpMainServerIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..16)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { ipeCfgDhcpMainServerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.2
ipeCfgDhcpMainServerNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Reserved object for northbound interface."
    ::= { ipeCfgDhcpMainServerEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.3
ipeCfgDhcpMainServerEnable OBJECT-TYPE
    SYNTAX         EnableDisableValue
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.4
ipeCfgDhcpMainServerMode OBJECT-TYPE
    SYNTAX         INTEGER { invalid(0), server(1), relay(2) }
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.5
ipeCfgDhcpMainServerInterface OBJECT-TYPE
    SYNTAX         InterfaceIndex
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.6
ipeCfgDhcpMainServerIpAddr OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         read-write
    STATUS         mandatory
    DESCRIPTION
        "IPv4 address of DHCP server.
         This object is effective only if DHCP relay agent mode."
    ::= { ipeCfgDhcpMainServerEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.7
ipeCfgDhcpMainServerLeaseTime OBJECT-TYPE
    SYNTAX         INTEGER (0 | 60..259200)
    ACCESS         read-write
    STATUS         mandatory
    DESCRIPTION
        "The lease time of IPv4 Address provides to DHCP Client. The unit
         is seconds.
```

```
          0 means inifinity.
          This object is effective only if DHCP server mode."
    DEFVAL         { 86400 }
    ::= { ipeCfgDhcpMainServerEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.8
ipeCfgDhcpMainServerLeaseAddrRangeBegin OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.9
ipeCfgDhcpMainServerLeaseAddrRangeEnd OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.10
ipeCfgDhcpMainServerLeaseAddrExcludeBegin OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.11
ipeCfgDhcpMainServerLeaseAddrExcludeEnd OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.12
```

```
ipeCfgDhcpMainServerOptGatewayAddrEnable OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), enabledInterface(1),
                      enabledSpecify(2), disabled(3) }
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.13
ipeCfgDhcpMainServerOptGatewayAddr OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.14
ipeCfgDhcpMainServerOptDnsServerPrimary OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.15
ipeCfgDhcpMainServerOptDnsServerSecondary OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Secoundary 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.16
ipeCfgDhcpMainServerOptSpecifyEnable OBJECT-TYPE
        SYNTAX          EnableDisableValue
        ACCESS          read-write
        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 otption.

                 This object is effective only if DHCP server mode."
        DEFVAL          { disable }
        ::= { ipeCfgDhcpMainServerEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.17
ipeCfgDhcpMainServerOptSpecifyId OBJECT-TYPE
        SYNTAX          INTEGER (0..255)
        ACCESS          read-write
        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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.18
ipeCfgDhcpMainServerOptSpecifyType OBJECT-TYPE
        SYNTAX          INTEGER { invalid(0), ipv4(1), ipv6(2), displayString(3),
                            octetString(4) }
        ACCESS          read-write
        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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.19
ipeCfgDhcpMainServerOptSpecifyValue OBJECT-TYPE
        SYNTAX          OCTET STRING (SIZE(0..255))
        ACCESS          read-write
        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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.20
    ipeCfgDhcpMainServerSecurityLevel OBJECT-TYPE
        SYNTAX          INTEGER { invalid(0), any(1), onlyRegistered(2) }
        ACCESS          read-write
        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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.2.1.21
    ipeCfgDhcpMainServerRegisteredMacId OBJECT-TYPE
        SYNTAX          INTEGER (0..3)
        ACCESS          read-write
        STATUS          mandatory
        DESCRIPTION
            "The identifier of ipeCfgDhcpMainServerRegisteredMacEnrty.
             0 means no registered/rejected IP address exists.
             This object is effective only if DHCP server mode."
        DEFVAL          { 0 }
        ::= { ipeCfgDhcpMainServerEntry 21 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.3
    ipeCfgDhcpMainRegisteredMacTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeCfgDhcpMainRegisteredMacEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "IPv4 registered MAC address table for DHCP server."
        ::= { ipeCfgDhcpGroup 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.3.1
    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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.3.1.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.3.1.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.3.1.3
ipeCfgDhcpMainRegisteredMacNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Reserved object for northbound interface."
    ::= { ipeCfgDhcpMainRegisteredMacEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.3.1.4
ipeCfgDhcpMainRegisteredMacAddr OBJECT-TYPE
    SYNTAX        MacAddress
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "This object means registered MAC address. When ipeCfgDhcpMain-
         ServerSecurityLevel is set to onlyRegisterd, DHCP server accept
         DHCP message sent from registered MAC address.

         This object must be set when the row is created."
    ::= { ipeCfgDhcpMainRegisteredMacEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.3.1.5
ipeCfgDhcpMainRegisteredMacIpAddr OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        read-write
    STATUS        mandatory
    DESCRIPTION
        "IP address correspond to registered MAC address. If DHCP server
         receives DHCP DISCOVER from registered MAC address, it provide
         corespoinding 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 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.3.13.3.1.6
        ipeCfgDhcpMainRegisteredMacRowStatus OBJECT-TYPE
            SYNTAX          RowStatus
            ACCESS          read-write
            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 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.8
        ipeCommandGroup OBJECT IDENTIFIER
            ::= { system5 8 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.8.13
        ipeCmdDhcpGroup OBJECT IDENTIFIER
            ::= { ipeCommandGroup 13 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.8.13.1
        ipeCmdDhcpMainTable OBJECT-TYPE
            SYNTAX          SEQUENCE OF IpeCmdDhcpMainEntry
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                "Maintenance table for DHCP server."
            ::= { ipeCmdDhcpGroup 1 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.8.13.1.1
        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
        }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.8.13.1.1.1
        ipeCmdDhcpMainIndex OBJECT-TYPE
            SYNTAX          INTEGER (1..3)
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
```

```
                "Index of table."
            ::= { ipeCmdDhcpMainEntry 1 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.8.13.1.1.2
        ipeCmdDhcpMainLeaseIpAddr OBJECT-TYPE
            SYNTAX          IpAddress
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                "The lease IP Address."
            ::= { ipeCmdDhcpMainEntry 2 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.8.13.1.1.3
        ipeCmdDhcpMainNEAddress OBJECT-TYPE
            SYNTAX          IpAddress
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                "Index of table."
            ::= { ipeCmdDhcpMainEntry 3 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.5.8.13.1.1.4
        ipeCmdDhcpMainManualDelete OBJECT-TYPE
            SYNTAX          INTEGER { invalid(0), normal(1), manualDelete(2) }
            ACCESS          read-write
            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 alwasys return
                 normal."
            ::= { ipeCmdDhcpMainEntry 4 }

    END -- end of module MIB-PNMSJ-IPASOLINK-400-DHCP-MAIN-MIB.
```

Appendix 6: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-COMMON-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-COMMON-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        BridgeId
            FROM BRIDGE-MIB
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        TRAP-TYPE
            FROM RFC-1215
        Counter, Gauge, IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI
        DateAndTime, DisplayString, MacAddress, RowStatus, TruthValue
            FROM SNMPv2-TC;

    AlarmTypeValue ::=
        INTEGER { invalid(0), communicationsAlarm(1),
                        qualityOfServiceAlarm(2), processingErrorAlarm(3),
                        equipmentAlarm(4), environmentalAlarm(5),
                        integrityViolationAlarm(6),
                        operationalViolationAlarm(7),
                        physicalViolationAlarm(8), securityViolationAlarm(9),
                        timeDomainViolationAlarm(10) }


    EnableDisableValue ::=
        INTEGER { invalid(0), disable(1), enable(2) }


    IpeMepId ::=
        INTEGER (1..128)


    IpeStatsInfo ::=
        INTEGER { invalid(0), validNoMaint(1), validMaint(2),
                        invalidNoMaint(3), invalidMaint(4) }


    IpeVlanIndex ::=
        INTEGER (1..4094)


    IpeVlanIndexOrZero ::=
        INTEGER (0..4094)


    IpeVlanListOrZero ::=
        OCTET STRING (SIZE(0 | 512))


    OffOnValue ::=
    INTEGER { invalid(0), off(1), on(2) }


ProbableCauseValue ::=
    INTEGER { invalid(0), aIS(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),
                    lowTemperatue(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), lossOfRealTimel(157),
applicationSubsystemFailure(158),
configurationOrCustomisationError(159),
databaseInconsistency(160), fileError(161),
outOfMemory(162), softwareError(163),
timeoutExpired(164),
underlayingResourceUnavailable(165),
versionMismatch(166), bandwidthReduced(201),
congestion(202), excessiveErrorRate(203),
excessiveResponseTime(204),
excessiveRetransmissionRate(205),
reducedLoggingCapability(206),
systemResourcesOverload(207), adapterError(500),
applicationSubsystemFailture(501),
bandwidthReducedX733(502),
callEstablishmentError(503),
communicationsProtocolError(504),
communicationsSubsystemFailure(505),
configurationOrCustomizationError(506),
congestionX733(507), coruptData(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),
responseTimeExecessive(542),
retransmissionRateExcessive(543),
softwareErrorX733(544),
softwareProgramAbnormallyTerminated(545),
softwareProgramError(546),
storageCapacityProblemX733(547),
temperatureUnacceptable(548), thresholdCrossed(549),
timingProblemX733(550), toxicLeakDetected(551),
transmitFailureX733(552), transmiterFailure(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) }


ReportNotreportValue ::=
      INTEGER { invalid(0), notReport(1), report(2) }


SeverityValue ::=
      INTEGER { cleared(1), indetermine(2), critical(3), major(4),
                              minor(5), warning(6) }


UsedNotusedValue ::=
      INTEGER { invalid(0), notUsed(1), used(2) }


ValidInvalidValue ::=
      INTEGER { invalid(0), valid(1) }


-- 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503
ipasolink400 OBJECT IDENTIFIER
      ::= { commonPnms 503 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501
pasoNeoIpe-common OBJECT IDENTIFIER
      ::= { ipasolink400 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1
summaryGroup OBJECT IDENTIFIER
      ::= { pasoNeoIpe-common 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1
alarmSummaryGroup OBJECT IDENTIFIER
      ::= { summaryGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.1
alarmSummaryCommonInfoIndex OBJECT-TYPE
    SYNTAX        INTEGER (1)
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table"
    ::= { alarmSummaryCommonInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.2
alarmSummaryCommonInfoNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved"
    ::= { alarmSummaryCommonInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.3
alarmTotalSummary OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Total Summary Alarm."
    ::= { alarmSummaryCommonInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.4
alarmIduSummary OBJECT-TYPE
```

```
   SYNTAX        SeverityValue
   ACCESS        read-only
   STATUS        mandatory
   DESCRIPTION
      "IDU Summary Alarm."
   ::= { alarmSummaryCommonInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.5
alarmCtrlSummary OBJECT-TYPE
   SYNTAX        SeverityValue
   ACCESS        read-only
   STATUS        mandatory
   DESCRIPTION
      "Main Board / Ctrl Card Summary Alarm (including Equipment clock
       alarms)"
   ::= { alarmSummaryCommonInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.6
alarmOduSummary OBJECT-TYPE
   SYNTAX        SeverityValue
   ACCESS        read-only
   STATUS        mandatory
   DESCRIPTION
      "ODU Summary Alarm."
   ::= { alarmSummaryCommonInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.7
alarmAuxInputSummary OBJECT-TYPE
   SYNTAX        SeverityValue
   ACCESS        read-only
   STATUS        mandatory
   DESCRIPTION
      "AUX Input Summary Alarm."
   ::= { alarmSummaryCommonInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.8
alarmPmonTcnSummary OBJECT-TYPE
   SYNTAX        SeverityValue
   ACCESS        read-only
   STATUS        mandatory
   DESCRIPTION
      "PMON TCN Summary Alarm."
   ::= { alarmSummaryCommonInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.9
alarmRmonTcnSummary OBJECT-TYPE
   SYNTAX        SeverityValue
   ACCESS        read-only
   STATUS        mandatory
   DESCRIPTION
      "RMON TCN Summary Alarm."
   ::= { alarmSummaryCommonInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.1.1.10
alarmRmonTcnCtrlSummary OBJECT-TYPE
   SYNTAX        SeverityValue
   ACCESS        read-only
   STATUS        mandatory
   DESCRIPTION
      "RMON TCN Main Board / Ctrl Card Summary Alarm."
```

```
    ::= { alarmSummaryCommonInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2
alarmSummaryIduGroup OBJECT IDENTIFIER
    ::= { alarmSummaryGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.1
alarmSummaryIduSlotInfoTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF AlarmSummaryIduSlotInfoEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Alarm Summary per IDU Slot."
    ::= { alarmSummaryIduGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.1.1
alarmSummaryIduSlotInfoEntry OBJECT-TYPE
    SYNTAX        AlarmSummaryIduSlotInfoEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX         { alarmSummaryIduSlotInfoNEAddress, alarmSummaryIduSlotInfoIndex }
    ::= { alarmSummaryIduSlotInfoTable 1 }

AlarmSummaryIduSlotInfoEntry ::= SEQUENCE {
    alarmSummaryIduSlotInfoIndex            INTEGER,
    alarmSummaryIduSlotInfoNEAddress        IpAddress,
    alarmIduSlotSummary                     SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.1.1.1
alarmSummaryIduSlotInfoIndex OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryIduSlotInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.1.1.2
alarmSummaryIduSlotInfoNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { alarmSummaryIduSlotInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.1.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.2
```

```
alarmSummaryIduSwGrpInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AlarmSummaryIduSwGrpInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Alarm Summary per MODEM Switch group."
    ::= { alarmSummaryIduGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.2.1
alarmSummaryIduSwGrpInfoEntry OBJECT-TYPE
    SYNTAX          AlarmSummaryIduSwGrpInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { alarmSummaryIduSwGrpInfoNEAddress, alarmSummaryIduSwGrpInfoIndex }
    ::= { alarmSummaryIduSwGrpInfoTable 1 }

AlarmSummaryIduSwGrpInfoEntry ::= SEQUENCE {
    alarmSummaryIduSwGrpInfoIndex           INTEGER,
    alarmSummaryIduSwGrpInfoNEAddress       IpAddress,
    alarmIduSwGrpSummary                    SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.2.1.1
alarmSummaryIduSwGrpInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryIduSwGrpInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.2.1.2
alarmSummaryIduSwGrpInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { alarmSummaryIduSwGrpInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.2.2.1.3
alarmIduSwGrpSummary 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."
    ::= { alarmSummaryIduSwGrpInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.3
alarmSummaryOduInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AlarmSummaryOduInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Alarm Summary per ODU."
    ::= { alarmSummaryGroup 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.3.1
alarmSummaryOduInfoEntry OBJECT-TYPE
    SYNTAX          AlarmSummaryOduInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { alarmSummaryOduInfoNEAddress, alarmSummaryOduInfoIndex }
    ::= { alarmSummaryOduInfoTable 1 }

AlarmSummaryOduInfoEntry ::= SEQUENCE {
    alarmSummaryOduInfoIndex            INTEGER,
    alarmSummaryOduInfoNEAddress        IpAddress,
    alarmOduEachSummary                 SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.3.1.1
alarmSummaryOduInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table"
    ::= { alarmSummaryOduInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.3.1.2
alarmSummaryOduInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { alarmSummaryOduInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.3.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.4
alarmSummaryPmonTcnInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AlarmSummaryPmonTcnInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Alarm Summay of Threshold Crossing Alarms per Slot."
    ::= { alarmSummaryGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.4.1
alarmSummaryPmonTcnInfoEntry OBJECT-TYPE
    SYNTAX          AlarmSummaryPmonTcnInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
```

```
        ""
    INDEX          { alarmSummaryPmonTcnInfoNEAddress, alarmSummaryPmonTcnInfoIndex }
    ::= { alarmSummaryPmonTcnInfoTable 1 }

AlarmSummaryPmonTcnInfoEntry ::= SEQUENCE {
    alarmSummaryPmonTcnInfoIndex           INTEGER,
    alarmSummaryPmonTcnInfoNEAddress        IpAddress,
    alarmPmonTcnSlotSummary                SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.4.1.1
alarmSummaryPmonTcnInfoIndex OBJECT-TYPE
    SYNTAX         INTEGER
    ACCESS          not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryPmonTcnInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.4.1.2
alarmSummaryPmonTcnInfoNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS          not-accessible
    STATUS         mandatory
    DESCRIPTION
        "reserved"
    ::= { alarmSummaryPmonTcnInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.4.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.5
alarmSummaryCtrlInfoTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF AlarmSummaryCtrlInfoEntry
    ACCESS          not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Alarm Summary of Main Board or Ctrl Card."
    ::= { alarmSummaryGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.5.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.5.1.1
alarmSummaryEoamInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryCtrlInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.5.1.2
alarmSummaryEoamInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { alarmSummaryCtrlInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.5.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.5.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.6
alarmSummaryRmonTcnInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AlarmSummaryRmonTcnInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Alarm summary of RMON Threshold Crossing Alarms per slot."
    ::= { alarmSummaryGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.6.1
alarmSummaryRmonTcnInfoEntry OBJECT-TYPE
    SYNTAX          AlarmSummaryRmonTcnInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { alarmSummaryRmonTcnInfoNEAddress, alarmSummaryRmonTcnInfoIndex }
    ::= { alarmSummaryRmonTcnInfoTable 1 }
```

```
AlarmSummaryRmonTcnInfoEntry ::= SEQUENCE {
    alarmSummaryRmonTcnInfoIndex            INTEGER,
    alarmSummaryRmonTcnInfoNEAddress        IpAddress,
    alarmRmonTcnSlotSummary                 SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.6.1.1
alarmSummaryRmonTcnInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { alarmSummaryRmonTcnInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.6.1.2
alarmSummaryRmonTcnInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { alarmSummaryRmonTcnInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.1.6.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.2
maintSummaryGroup OBJECT IDENTIFIER
    ::= { summaryGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.2.1
maintSummaryCommonInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF MaintSummaryCommonInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This table represents the status of maintenance functions."
    ::= { maintSummaryGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.2.1.1
maintSummaryCommonInfoEntry OBJECT-TYPE
    SYNTAX          MaintSummaryCommonInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { maintSummaryCommonInfoNEAddress, maintSummaryCommonInfoIndex }
    ::= { maintSummaryCommonInfoTable 1 }

MaintSummaryCommonInfoEntry ::= SEQUENCE {
    maintSummaryCommonInfoIndex             INTEGER,
    maintSummaryCommonInfoNEAddress        IpAddress,
    maintTotalSummary                      OffOnValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.2.1.1.1
maintSummaryCommonInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { maintSummaryCommonInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.2.1.1.2
maintSummaryCommonInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { maintSummaryCommonInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.1.2.1.1.3
maintTotalSummary OBJECT-TYPE
    SYNTAX          OffOnValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Maintenance Total Summary. Represents the status of maintenance
         functions.
         'on' means some maintenance functions are performed on this
         equipment."
    ::= { maintSummaryCommonInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2
trapGroup OBJECT IDENTIFIER
    ::= { pasoNeoIpe-common 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1
ipeTrapCommon OBJECT IDENTIFIER
    ::= { trapGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.1
ipeTrapCommonVars OBJECT IDENTIFIER
    ::= { ipeTrapCommon 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.1.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.1.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.1.3
eventTime OBJECT-TYPE
    SYNTAX          DateAndTime
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The local date and time when the TRAP/INFORM event occurred."
    ::= { ipeTrapCommonVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.1.5
eventResourceID OBJECT-TYPE
    SYNTAX          OBJECT IDENTIFIER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The OBJECT IDENTIFIER of the object which raised the event."
    ::= { ipeTrapCommonVars 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.2
ipeTrapCommonAdditionalVars OBJECT IDENTIFIER
    ::= { ipeTrapCommon 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.2.1
eventAdditionalText1 OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Additional Information about the TRAP/INFORM event."
    ::= { ipeTrapCommonAdditionalVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.2.2
eventAdditionalText2 OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Additional Information about the TRAP/INFORM event."
    ::= { ipeTrapCommonAdditionalVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.2.3
eventAdditionalText3 OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
```

```
      STATUS          mandatory
      DESCRIPTION
            "Additional Information about the TRAP/INFORM event."
      ::= { ipeTrapCommonAdditionalVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.2.4
eventAdditionalText4 OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Additional Information about the TRAP/INFORM event."
      ::= { ipeTrapCommonAdditionalVars 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.2.5
eventAdditionalText5 OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Additional Information about the TRAP/INFORM event."
      ::= { ipeTrapCommonAdditionalVars 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.3
ipeTrapAlarmVars OBJECT IDENTIFIER
      ::= { ipeTrapCommon 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.3.1
eventSeverity OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Severity value of notified alarm event."
      ::= { ipeTrapAlarmVars 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.3.2
eventAlarmType OBJECT-TYPE
      SYNTAX          AlarmTypeValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Represents the X.733 based event type value for the alarms."
      ::= { ipeTrapAlarmVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.3.3
eventProbableCause OBJECT-TYPE
      SYNTAX          ProbableCauseValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Represents the X.733 based probable cause value for the alarms."
      ::= { ipeTrapAlarmVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.4
ipeTrapStatusValueVars OBJECT IDENTIFIER
      ::= { ipeTrapCommon 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.4.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.4.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.4.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.4.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.5
ipeTrapControlValueVars OBJECT IDENTIFIER
    ::= { ipeTrapCommon 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.5.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.5.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.5.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.5.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.6
ipeTrapControlVars OBJECT IDENTIFIER
    ::= { ipeTrapCommon 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.6.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.6.2
eventRecordAccessType OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), nms(1), webLct(2), cli(3),
                      internal(4) }
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.6.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.7
ipeTrapFileDownloadValueVars OBJECT IDENTIFIER
     ::= { ipeTrapCommon 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.7.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.7.2
eventDownloadStatus OBJECT-TYPE
     SYNTAX          INTEGER
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "Represents download status. The status values are same as
           'ipeSysOpFileDownloadStatus'."
     ::= { ipeTrapFileDownloadValueVars 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.7.3
eventUpdateDetail OBJECT-TYPE
     SYNTAX          DisplayString
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "Represents download file name which is specified by
           'ipeFsUpdateFileDetail'."
     ::= { ipeTrapFileDownloadValueVars 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.1.7.4
eventUpdateStatus OBJECT-TYPE
     SYNTAX          INTEGER
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "Represents download file progress. The value is same as
           'ipeFsUpdateFileStatus'."
     ::= { ipeTrapFileDownloadValueVars 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.3
ipeTrapItemVar OBJECT IDENTIFIER
     ::= { trapGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.3.1
ipeAlarmTrapItemVar OBJECT IDENTIFIER
     ::= { ipeTrapItemVar 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.3.2
ipeStatusTrapItemVar OBJECT IDENTIFIER
     ::= { ipeTrapItemVar 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.3.3
ipeControlTrapItemVar OBJECT IDENTIFIER
    ::= { ipeTrapItemVar 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.3.4
ipeFileDownloadTrapItemVar OBJECT IDENTIFIER
    ::= { ipeTrapItemVar 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4
ipeEventGroup OBJECT IDENTIFIER
    ::= { trapGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.1.1.1
eventIndex OBJECT-TYPE
    SYNTAX          INTEGER { alarmStateChage(1), statusChange(2),
                      controlEvent(3) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { eventEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.1.1.2
eventNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { eventEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.1.1.3
eventDescription OBJECT-TYPE
```

```
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "A textual string information about the event."
    ::= { eventEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.1.1.5
eventLastTime OBJECT-TYPE
    SYNTAX          DateAndTime
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The date and time when this event type was last updated."
    ::= { eventEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2
eventTypeTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF EventTypeEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This table represents event information."
    ::= { ipeEventGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2.1
eventTypeEntry OBJECT-TYPE
    SYNTAX          EventTypeEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX          { eventTypeNEAddress, eventTypeIndex, eventTypeSourceCategory,
                    eventTypeElemId }
    ::= { eventTypeTable 1 }

EventTypeEntry ::= SEQUENCE {
    eventTypeIndex                  INTEGER,
    eventTypeSourceCategory         INTEGER,
    eventTypeElemId                 INTEGER,
    eventTypeNEAddress              IpAddress,
    eventTypeTrapId                 INTEGER,
    eventTypeDescription            DisplayString,
    eventTypeRowStatus              RowStatus
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2.1.1
eventTypeIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS        mandatory
    DESCRIPTION
        "index of this table. The value is same as 'eventType'."
    ::= { eventTypeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2.1.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2.1.4
eventTypeNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { eventTypeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2.1.6
eventTypeDescription OBJECT-TYPE
    SYNTAX        DisplayString
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "A Textual string information about the event."
    ::= { eventTypeEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.4.2.1.7
eventTypeRowStatus OBJECT-TYPE
    SYNTAX        RowStatus
    ACCESS        read-write
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.5
ipeTrapStatusGroup OBJECT IDENTIFIER
        ::= { trapGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.5.1
ipeTrapCounterTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF IpeTrapCounterEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "This table represents event total count."
        ::= { ipeTrapStatusGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.5.1.1
ipeTrapCounterEntry OBJECT-TYPE
        SYNTAX          IpeTrapCounterEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            ""
        INDEX           { ipeTrapTotalCounterNEAddress, ipeTrapCounterIndex }
        ::= { ipeTrapCounterTable 1 }

IpeTrapCounterEntry ::= SEQUENCE {
        ipeTrapCounterIndex                 INTEGER,
        ipeTrapTotalCounterNEAddress        IpAddress,
        ipeTrapTotalCounter                 Counter
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.5.1.1.1
ipeTrapCounterIndex OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table."
        ::= { ipeTrapCounterEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.5.1.1.2
ipeTrapTotalCounterNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved."
        ::= { ipeTrapCounterEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.2.5.1.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3
alarmStatusGroup OBJECT IDENTIFIER
    ::= { pasoNeoIpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1
asOduGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1
oduGroupTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF OduGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This table represents alarm and status information."
    ::= { asOduGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1
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,
    oduTotalAlarm           SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.1
oduGroupIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { oduGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.2
oduGroupNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
```

```
            "reserved."
        ::= { oduGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.3
oduAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU Alarm."
        ::= { oduGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.4
txPowerAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU TX Power Alarm."
        ::= { oduGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.5
txInputAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU TX Input Alarm."
        ::= { oduGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.6
rxLevelAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU RX Level Alarm."
        ::= { oduGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.7
cpuCableOpenAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU CPU / Cable Open Alarm."
        ::= { oduGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.8
loRefAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU LO REF Alarm"
        ::= { oduGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.9
muteStatus OBJECT-TYPE
        SYNTAX          OffOnValue
```

```
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "ODU mute status."
    ::= { oduGroupEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.10
oduPsAlarm OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "ODU Power Supply Alarm"
    ::= { oduGroupEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.11
oduPsSetStatus OBJECT-TYPE
    SYNTAX         OffOnValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "ODU Power Supply Status."
    ::= { oduGroupEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.12
oduTypeMismatch OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "ODU Type Mismatch Alarm."
    ::= { oduGroupEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.1.1.13
oduTotalAlarm OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "ODU Total Alarm."
    ::= { oduGroupEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.2
oduSwGroupTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF OduSwGroupEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "This table represents ODU Switch Group Status."
    ::= { asOduGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.2.1.1
oduSwGroupIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { oduSwGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.2.1.2
oduSwGroupNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved"
      ::= { oduSwGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.2.1.3
txSWStatus OBJECT-TYPE
      SYNTAX          INTEGER { no1(1), no2(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "ODU TX SW Status"
      ::= { oduSwGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.2.1.4
rxSWStatus OBJECT-TYPE
      SYNTAX          INTEGER { no1(1), no2(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "ODU RX SW Status"
      ::= { oduSwGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.2.1.5
txSWLockInStatus OBJECT-TYPE
      SYNTAX          INTEGER { normal(1), lockin(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "MODEM TX SW Lock-in Status"
      ::= { oduSwGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.1.2.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2
asModemGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1
modemGroupTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF ModemGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This table represents MODEM Alarm Status information."
    ::= { asModemGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1
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,
    amrRangeMismatch            SeverityValue,
    txModulation                INTEGER,
    rxModulation                INTEGER,
    l2SyncLossAlarm             SeverityValue,
    rdiAlarm                    SeverityValue,
    uaeAlarm                    SeverityValue,
    unlocked                    SeverityValue,
    tempAlarm                   SeverityValue,
    tdmRangeMismatch            SeverityValue,
    modemPsOff                  OffOnValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.1
modemGroupIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table"
    ::= { modemGroupEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.2
modemGroupNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved"
      ::= { modemGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.3
lof OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "MODEM LOF Alarm"
      ::= { modemGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.4
frameID OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "MODEM Frame ID Alarm"
      ::= { modemGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.5
highBERAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "MODEM High BER Alarm."
      ::= { modemGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.6
lowBERAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "MODEM Low BER Alarm."
      ::= { modemGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.7
earlyWarningAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "MODEM Early Warning Alarm"
      ::= { modemGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.8
modAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
```

```
          "MODEM MOD Alarm"
      ::= { modemGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.9
ifCableShortAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "MODEM IF Cable Short Alarm"
      ::= { modemGroupEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.10
atpcPowerMode OBJECT-TYPE
      SYNTAX          INTEGER { stop(1), active(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "MODEM ATPC Power Mode Status"
      ::= { modemGroupEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.11
inPhaseStatus OBJECT-TYPE
      SYNTAX          INTEGER { inphase(1), outphase(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "MODEM Inphase Status"
      ::= { modemGroupEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.12
amrRangeMismatch OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          obsolete
      DESCRIPTION
          "obsoleted"
      ::= { modemGroupEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.13
txModulation OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), qpsk(1), qam16(2), qam32(3),
                        qam64(4), qam128(5), qam256(6), qam512(7),
                        qam1024(8), qam2048(9) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "MODEM TX Modulation Status"
      ::= { modemGroupEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.14
rxModulation OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), qpsk(1), qam16(2), qam32(3),
                        qam64(4), qam128(5), qam256(6), qam512(7),
                        qam1024(8), qam2048(9) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "MODEM RX Modulation Status."
      ::= { modemGroupEntry 14 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.15
l2SyncLossAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM L2SYNC Loss Alarm."
    ::= { modemGroupEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.16
rdiAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM RDI Alarm"
    ::= { modemGroupEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.17
uaeAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM UAE Alarm"
    ::= { modemGroupEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.18
unlocked OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Unlocked Alarm"
    ::= { modemGroupEntry 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.19
tempAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          deprecated
    DESCRIPTION
        "MODEM Temperature Alarm"
    ::= { modemGroupEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.20
tdmRangeMismatch OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM TDM / AMR Range Mismatch Alarm"
    ::= { modemGroupEntry 20 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.1.1.21
modemPsOff OBJECT-TYPE
    SYNTAX          OffOnValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MDOEM Power Supply Status"
    ::= { modemGroupEntry 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.2
modemXpicTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF ModemXpicEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Represents XPIC Alarm and Status"
    ::= { asModemGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.2.1
modemXpicEntry OBJECT-TYPE
    SYNTAX          ModemXpicEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { modemXpicNEAddress, modemXpicIfIndex }
    ::= { modemXpicTable 1 }

ModemXpicEntry ::= SEQUENCE {
    modemXpicIfIndex        InterfaceIndex,
    modemXpicNEAddress      IpAddress,
    xIFLevelAlarm           SeverityValue,
    xpicTypeMismatch        SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.2.1.1
modemXpicIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table"
    ::= { modemXpicEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.2.1.2
modemXpicNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { modemXpicEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.2.1.3
xIFLevelAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM XIF Alarm."
    ::= { modemXpicEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.2.1.4
xpicTypeMismatch OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "MODEM XPIC Mode Mismatch Alarm."
    ::= { modemXpicEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3
modemCardTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF ModemCardEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Represents MODEM Card Alarm Status."
    ::= { asModemGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1
modemCardEntry OBJECT-TYPE
    SYNTAX        ModemCardEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX         { modemCardNEAddress, modemCardIndex }
    ::= { modemCardTable 1 }

ModemCardEntry ::= SEQUENCE {
    modemCardIndex            INTEGER,
    modemCardNEAddress        IpAddress,
    modemComFailAlarm         SeverityValue,
    modemUnequipped           SeverityValue,
    modemAlarm                SeverityValue,
    modemBusErrorTx           SeverityValue,
    modemBusErrorRx           SeverityValue,
    modemTypeMismatch         SeverityValue,
    modemCardOnlineStatus     INTEGER,
    modemCardPsAlarm          SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.1
modemCardIndex OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table."
    ::= { modemCardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.2
modemCardNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved"
    ::= { modemCardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.3
modemComFailAlarm OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Communication FAIL Alarm."
    ::= { modemCardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.4
modemUnequipped OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Unequipped Alarm."
    ::= { modemCardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.5
modemAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Module Alarm."
    ::= { modemCardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.6
modemBusErrorTx OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Tx Bus Error Alarm."
    ::= { modemCardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.7
modemBusErrorRx OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Rx Bus Error Alarm."
    ::= { modemCardEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.8
modemTypeMismatch OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Type Mismatch Alarm."
    ::= { modemCardEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.9
modemCardOnlineStatus OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), offline(1), online(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Online Status"
    ::= { modemCardEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.3.1.10
```

```
modemCardPsAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Power Supply Alarm."
    ::= { modemCardEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.4.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.4.1.1
asModemHeaderCompressIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asModemHeaderCompressEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.4.1.2
asModemHeaderCompressNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asModemHeaderCompressEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.4.1.3
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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.4.1.4
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.4.1.5
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.5
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.5.1
    asModemHeaderCompressRemoteEntry OBJECT-TYPE
        SYNTAX         AsModemHeaderCompressRemoteEntry
        ACCESS         not-accessible
        STATUS         mandatory
        DESCRIPTION
             ""
        INDEX          { asModemHeaderCompressRemoteNEAddress,
asModemHeaderCompressRemoteIfIndex }
        ::= { asModemHeaderCompressRemoteTable 1 }

    AsModemHeaderCompressRemoteEntry ::= SEQUENCE {
```

```
    asModemHeaderCompressRemoteIfIndex          InterfaceIndex,
    asModemHeaderCompressRemoteNEAddress        IpAddress,
    asModemHeaderCompressRemoteMode             INTEGER,
    asModemHeaderCompressRemoteVlanMode         INTEGER,
    asModemHeaderCompressRemoteVersion          INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.5.1.1
asModemHeaderCompressRemoteIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asModemHeaderCompressRemoteEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.5.1.2
asModemHeaderCompressRemoteNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asModemHeaderCompressRemoteEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.5.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.5.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.5.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.6
asModemTrafficAggrTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsModemTrafficAggrEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
            "This table contains alarm and status object for Radio Traffic
             Aggregation mode."
    ::= { asModemGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.6.1
asModemTrafficAggrEntry OBJECT-TYPE
    SYNTAX          AsModemTrafficAggrEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
            ""
    INDEX           { asModemTrafficAggrNEAddress, asModemTrafficAggrIfIndex }
    ::= { asModemTrafficAggrTable 1 }

AsModemTrafficAggrEntry ::= SEQUENCE {
    asModemTrafficAggrIfIndex           InterfaceIndex,
    asModemTrafficAggrNEAddress         IpAddress,
    asModemTrafficAggrModeMismatch      SeverityValue,
    asModemTrafficAggrVersion           INTEGER,
    asModemTrafficAggrEncapStatus       INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.6.1.1
asModemTrafficAggrIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
            "Index of this table. This table is created automatically when
             the MODEM card is provisioned."
    ::= { asModemTrafficAggrEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.6.1.2
asModemTrafficAggrNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
            "reserved."
    ::= { asModemTrafficAggrEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.6.1.3
asModemTrafficAggrModeMismatch OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
```

```
                "Radio Traffic Aggregation Mode Mismatch Alarm.
                 This alarm is asserted if the Radio Traffic Aggregation is
                 configured when the H/W and/or F/W does not support the function.
                 And also the alarm is asserted when the configuration is
                 mismatched between local node and peer node."
            ::= { asModemTrafficAggrEntry 3 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.6.1.4
        asModemTrafficAggrVersion OBJECT-TYPE
            SYNTAX          INTEGER
            ACCESS          read-only
            STATUS          mandatory
            DESCRIPTION
                "The support version of Radio Traffic Aggreation function.
                 '2' means the physical mode aggregation and legacy radio traffic
                        aggregation are supported
                 '1' means the legacy radio traffic aggregation is supported
                        but physical mode is not supported.
                 '0' means the physical mode and legacy radio traffic aggregation
                        are not supported
                        (license is not installed or Modem card does not have that
                 capability)."
            ::= { asModemTrafficAggrEntry 4 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.6.1.5
        asModemTrafficAggrEncapStatus OBJECT-TYPE
            SYNTAX          INTEGER { invalid(0), normal(1), fail(2) }
            ACCESS          read-only
            STATUS          mandatory
            DESCRIPTION
                "Radio Traffic Aggregation Encapsulation Status.
                 When the Modem cannot build frames continuously, the object will
                 assert the 'fail'.
                 The value will change to 'normal' if the condition is cleared."
            ::= { asModemTrafficAggrEntry 5 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.7
        asModemTransmissionModeTable OBJECT-TYPE
            SYNTAX          SEQUENCE OF AsModemTransmissionModeEntry
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                "This table contains Alarm & Status for Modem transmission Mode."
            ::= { asModemGroup 7 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.7.1
        asModemTransmissionModeEntry OBJECT-TYPE
            SYNTAX          AsModemTransmissionModeEntry
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                ""
            INDEX           { asModemTransmissionModeNEAddress,
    asModemTransmissionModeCardIndex }
            ::= { asModemTransmissionModeTable 1 }

        AsModemTransmissionModeEntry ::= SEQUENCE {
            asModemTransmissionModeCardIndex            INTEGER,
            asModemTransmissionModeNEAddress             IpAddress,
            asModemTransmissionModeMismatch             SeverityValue,
    asModemTransparentClockModeMismatch        SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.7.1.1
asModemTransmissionModeCardIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. This table is created automatically when
         the appropriate MODEM card is provisioned."
    ::= { asModemTransmissionModeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.7.1.2
asModemTransmissionModeNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { asModemTransmissionModeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.7.1.3
asModemTransmissionModeMismatch OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object indicates the Transmission Mode Mismatch Alarm.
         When the local system and remote system are configured different
         transmission mode, or the H/W which does not have the capability
         for 'lowPDV' is configured as 'LowPDV', the object will report
         alarm."
    ::= { asModemTransmissionModeEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.2.7.1.4
asModemTransparentClockModeMismatch OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object indicates the Transparent Clock Mode Mismatch Alarm.
         When the local system and remote system are configured different
         transparent clock mode mismatch, or the H/W which does not have
         the capability for 'transparent clock mode' is configured as
         'TransparentClockMode', the object will report alarm."
    ::= { asModemTransmissionModeEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3
asCtrlGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1
ctrlGroupTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF CtrlGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Represents Main Board/Ctrl Card Alarm and Status"
    ::= { asCtrlGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1
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,
      iduTotalAlarm           SeverityValue,
      maintenance             OffOnValue,
      busError                SeverityValue,
      memoryFailure           SeverityValue,
      clk2mMount              INTEGER,
      ctrlTempAlarm           SeverityValue,
      ctrlTemperature         INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.1
ctrlGroupIndex OBJECT-TYPE
      SYNTAX          INTEGER
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table"
      ::= { ctrlGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.2
ctrlGroupNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved"
      ::= { ctrlGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.3
ctrlAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Main Board / Ctrl Card Module Alarm"
      ::= { ctrlGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.4
usbFailure OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
```

```
            "Main Board / Ctrl Card USB FAIL Alarm"
        ::= { ctrlGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.5
svLineAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "Main Board / Ctrl Card SV Line Alarm"
        ::= { ctrlGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.6
iduCpuAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "Main Board / Ctrl Card IDU CPU Alarm"
        ::= { ctrlGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.7
iduTotalAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "Main Board / Ctrl Card IDU Total Alarm"
        ::= { ctrlGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.9
busError OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "Main Board / Ctrl Card Bus Error Alarm."
        ::= { ctrlGroupEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.10
memoryFailure OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "Main Board / Ctrl Card Memory FAIL Alarm."
        ::= { ctrlGroupEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.11
```

```
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.12
ctrlTempAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Main Board / Ctrl Card Temperature Alarm."
      ::= { ctrlGroupEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.1.1.13
ctrlTemperature OBJECT-TYPE
      SYNTAX          INTEGER (-999 | -200..900)
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Main Board / Ctrl Card Temperature.
              if the unexpected condition happened, the object reports value
              '-999'."
      ::= { ctrlGroupEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2
sncpGroupTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF SncpGroupEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Represents E1 SNCP Status."
      ::= { asCtrlGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2.1.1
sncpGroupIndex OBJECT-TYPE
      SYNTAX          INTEGER (1..2352)
```

```
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table. The table is created per each XC including
         Work/Protection E1 channel pair.    For 200/400, the range of this
         value is 1 to 168.   For 1000R3.0 or later, the range of value is
         changed to 1 to 2352."
    ::= { sncpGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2.1.2
sncpGroupNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved"
    ::= { sncpGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2.1.3
ppsFail OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Main Board / Ctrl Card PPS FAIL Alarm."
    ::= { sncpGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2.1.6
sncpOnlineStatus OBJECT-TYPE
    SYNTAX        INTEGER { work(1), protection(2) }
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Main Board / Ctrl Card SNCP Online Status."
    ::= { sncpGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.3.2.1.7
sncpSwStatus OBJECT-TYPE
    SYNTAX        INTEGER { no1(1), no2(2) }
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
```

```
          "Main Board / Ctrl Card SNCP Switch Status."
     ::= { sncpGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4
asAuxGroup OBJECT IDENTIFIER
     ::= { alarmStatusGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1
auxGroupTable OBJECT-TYPE
     SYNTAX          SEQUENCE OF AuxGroupEntry
     ACCESS          not-accessible
     STATUS          mandatory
     DESCRIPTION
          "Represents AUX Card Alarm / Status."
     ::= { asAuxGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1
auxGroupEntry OBJECT-TYPE
     SYNTAX          AuxGroupEntry
     ACCESS          not-accessible
     STATUS          mandatory
     DESCRIPTION
          ""
     INDEX           { auxGroupNEAddress, auxGroupIndex }
     ::= { auxGroupTable 1 }

AuxGroupEntry ::= SEQUENCE {
     auxGroupIndex           INTEGER,
     auxGroupNEAddress       IpAddress,
     auxUnequipped           SeverityValue,
     auxTypeMismatch         SeverityValue,
     auxAlarm                SeverityValue,
     auxComFailAlarm         SeverityValue,
     auxBusErrorTx           SeverityValue,
     auxBusErrorRx           SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1.1
auxGroupIndex OBJECT-TYPE
     SYNTAX          INTEGER
     ACCESS          not-accessible
     STATUS          mandatory
     DESCRIPTION
          "Index of this table."
     ::= { auxGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1.2
auxGroupNEAddress OBJECT-TYPE
     SYNTAX          IpAddress
     ACCESS          not-accessible
     STATUS          mandatory
     DESCRIPTION
          "reserved"
     ::= { auxGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1.3
auxUnequipped OBJECT-TYPE
     SYNTAX          SeverityValue
     ACCESS          read-only
     STATUS          mandatory
```

```
    DESCRIPTION
        "AUX Unequipped Alarm"
    ::= { auxGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1.4
auxTypeMismatch OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "AUX Type Mismatch Alarm."
    ::= { auxGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1.5
auxAlarm OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "AUX Module Alarm."
    ::= { auxGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1.6
auxComFailAlarm OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "AUX Communication FAIL Alarm."
    ::= { auxGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1.7
auxBusErrorTx OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "AUX Tx Bus Error Alarm"
    ::= { auxGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.4.1.1.8
auxBusErrorRx OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "AUX Rx Bus Error Alarm"
    ::= { auxGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5
asClkGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1
clkCommonTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF ClkCommonEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Represents Main Board / Ctrl Card CLK Status."
```

```
     ::= { asClkGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1.1
clkCommonIndex OBJECT-TYPE
     SYNTAX         INTEGER { clk(1) }
     ACCESS         not-accessible
     STATUS         mandatory
     DESCRIPTION
          "Index of this table. The value is same as Main Board or Ctrl
           Card."
     ::= { clkCommonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1.2
clkCommonNEAddress OBJECT-TYPE
     SYNTAX         IpAddress
     ACCESS         not-accessible
     STATUS         mandatory
     DESCRIPTION
          "reserved."
     ::= { clkCommonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1.3
ltiAlarm OBJECT-TYPE
     SYNTAX         SeverityValue
     ACCESS         read-only
     STATUS         mandatory
     DESCRIPTION
          "Main Board / Ctrl Card LTI Alarm."
     ::= { clkCommonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1.4
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 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1.5
extClkLoop OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Main Board / Ctrl Card EXT CLK Timing Loop Alarm."
      ::= { clkCommonEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1.6
currentTimingSource OBJECT-TYPE
      SYNTAX          INTEGER { selectRef1(1), selectRef2(2), selectRef3(3) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Main Board / Ctrl Card Current Timing Source."
      ::= { clkCommonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.1.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2
clkRefTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF ClkRefEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Represents Timing Source Status."
      ::= { asClkGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2.1.1
clkRefIndex OBJECT-TYPE
    SYNTAX          INTEGER { refclk1(1), refclk2(2), refclk3(3) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The table is created per each timing
         source."
    ::= { clkRefEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2.1.2
clkRefNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { clkRefEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2.1.3
clkFailedAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card CLK FAIL Alarm per CLK Reference."
    ::= { clkRefEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2.1.4
clkDriftAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card CLK Drift Alarm per CLK Reference."
    ::= { clkRefEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2.1.5
clkRefFailedAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card SSM FAIL Alarm per CLK Reference."
    ::= { clkRefEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2.1.6
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 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.5.2.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6
asExtClkGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1
extClkGroupTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF ExtClkGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Represents Ext CLK Alarm / Status."
    ::= { asExtClkGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1
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,
    extClkOutputStatus          INTEGER,
    extClkOutputQlValue         INTEGER,
    squelch                     INTEGER,
    clk2mTypeMismatch           SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.1
extClkGroupIndex OBJECT-TYPE
    SYNTAX          INTEGER { extclk(1) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { extClkGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.2
extClkGroupNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { extClkGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.3
clk2mLosAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK LOS Alarm."
    ::= { extClkGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.4
aisAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK AIS Alarm."
    ::= { extClkGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.5
lofAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK LOF Alarm."
    ::= { extClkGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.6
clk2mUnequipped OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK Unequipped Alarm."
    ::= { extClkGroupEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.7
extClkOutputStatus OBJECT-TYPE
    SYNTAX          INTEGER { normal(1), ais(2), shutdown(3) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK Output Status."
    ::= { extClkGroupEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.8
extClkOutputQlValue 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 EXT CLK Quality Level."
    ::= { extClkGroupEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.9
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.6.1.1.10
clk2mTypeMismatch OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card EXT CLK Type Mismatch Alarm."
    ::= { extClkGroupEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.7
asFanGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.7.1
fanGroupTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF FanGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Represents FAN Card Alarm / Status."
    ::= { asFanGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.7.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.7.1.1.1
fanGroupIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { fanGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.7.1.1.2
```

```
fanGroupNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved."
      ::= { fanGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.7.1.1.3
fanAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "FAN FAIL Alarm."
      ::= { fanGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.7.1.1.4
fanUnequipped OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "FAN Unequipped Alarm."
      ::= { fanGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.8
asPsGroup OBJECT IDENTIFIER
      ::= { alarmStatusGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.8.1
psGroupTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF PsGroupEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Represents Main Board / Ctrl Card Power Supply Alarm / Status."
      ::= { asPsGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.8.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.8.1.1.1
psGroupIndex OBJECT-TYPE
      SYNTAX          INTEGER
      ACCESS          not-accessible
```

```
        STATUS          mandatory
        DESCRIPTION
              "Index of this table."
        ::= { psGroupEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.8.1.1.2
    psGroupNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
              "reserved."
        ::= { psGroupEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.8.1.1.3
    psPowerSupply OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
              "Main Board / Ctrl Card Power Supply Alarm."
        ::= { psGroupEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.8.1.1.4
    psUnequipped OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
              "Main Board / Ctrl Card Power Supply Unequipped Alarm."
        ::= { psGroupEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9
    asTCNGroup OBJECT IDENTIFIER
        ::= { alarmStatusGroup 9 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1
    tcn15minDataRadioGroup OBJECT IDENTIFIER
        ::= { asTCNGroup 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.1
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.1.1
    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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.1.1.1
tcn15minDataModemIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table. Unique number of the radio interface."
      ::= { tcn15minDataRadioEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.1.1.2
tcn15minDataModemMonitorName OBJECT-TYPE
      SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5), ofs(6) }
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table. The index value shows counting item."
      ::= { tcn15minDataRadioEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.1.1.3
tcn15minDataRadioNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved."
      ::= { tcn15minDataRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.1.1.4
tcn15minDataRf OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "TCN MODEM 15 minutes RF Monitoring Alarm per counting item."
      ::= { tcn15minDataRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.2.1
tcn15minRxLevEntry OBJECT-TYPE
      SYNTAX          Tcn15minRxLevEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
```

```
            ""
        INDEX           { tcn15minRxLevNEAddress, tcn15minRxLevIfIndex }
        ::= { tcn15minRxLevTable 1 }

Tcn15minRxLevEntry ::= SEQUENCE {
        tcn15minRxLevIfIndex       InterfaceIndex,
        tcn15minRxLevNEAddress    IpAddress,
        tcn15minRxLev                   SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.2.1.1
tcn15minRxLevIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. Unique number of the radio interface."
        ::= { tcn15minRxLevEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.2.1.2
tcn15minRxLevNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { tcn15minRxLevEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.1.2.1.3
tcn15minRxLev OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "TCN MODEM 15 minutes RX Level (Min) Alarm."
        ::= { tcn15minRxLevEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2
tcn15minDataCableGroup OBJECT IDENTIFIER
        ::= { asTCNGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1
tcn15minDataThroughModeGroup OBJECT IDENTIFIER
        ::= { tcn15minDataCableGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.1.1
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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.1.1.1
    tcn15minDataTmRsIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. Unique number of the STM-1 interface."
        ::= { tcn15minDataTmRsEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.1.1.2
    tcn15minDataTmRsMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5), ofs(6) }
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. The index value shows counting item."
        ::= { tcn15minDataTmRsEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.1.1.3
    tcn15minDataTmRsNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { tcn15minDataTmRsEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.1.1.4
    tcn15minDataTmRs OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "TCN STM-1 15 minutes (Through Mode) RS Monitoring Alarm."
        ::= { tcn15minDataTmRsEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.2
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.2.1
```

```
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.2.1.1
tcn15minDataTmDMRRsIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table. Unique number of the STM-1 interface."
      ::= { tcn15minDataTmDMRRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.2.1.2
tcn15minDataTmDMRRsMonitorName OBJECT-TYPE
      SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5), ofs(6) }
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table. The index value shows counting item."
      ::= { tcn15minDataTmDMRRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.2.1.3
tcn15minDataTmDMRRsNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved."
      ::= { tcn15minDataTmDMRRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.1.2.1.4
tcn15minDataTmDMRRs OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "TCN STM-1 15 minutes (Through Mode)DMR RS Monitoring Alarm."
      ::= { tcn15minDataTmDMRRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2
tcn15minDataChannelizedModeGroup OBJECT IDENTIFIER
      ::= { tcn15minDataCableGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.1
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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.1.1
    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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.1.1.1
    tcn15minDataChRsIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. Unique number of the STM-1 interface."
        ::= { tcn15minDataChRsEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.1.1.2
    tcn15minDataChRsMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5), ofs(6) }
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. The index value shows counting item."
        ::= { tcn15minDataChRsEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.1.1.3
    tcn15minDataChRsNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved."
        ::= { tcn15minDataChRsEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.1.1.4
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.2
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.2.1
    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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.2.1.1
    tcn15minDataChMsIfIndex OBJECT-TYPE
        SYNTAX         InterfaceIndex
        ACCESS         not-accessible
        STATUS         mandatory
        DESCRIPTION
            "Index of this table. Unique number of the STM-1 interface."
        ::= { tcn15minDataChMsEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.2.1.2
    tcn15minDataChMsMonitorName OBJECT-TYPE
        SYNTAX         INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5) }
        ACCESS         not-accessible
        STATUS         mandatory
        DESCRIPTION
            "Index of this table. The index value shows counting item."
        ::= { tcn15minDataChMsEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.2.1.3
    tcn15minDataChMsNEAddress OBJECT-TYPE
        SYNTAX         IpAddress
        ACCESS         not-accessible
        STATUS         mandatory
        DESCRIPTION
            "reserved"
        ::= { tcn15minDataChMsEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.2.2.1.4
    tcn15minDataChMs OBJECT-TYPE
        SYNTAX         SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "TCN STM-1 15 minutes (Channelized Mode) MS Monitoring Alarm."
    ::= { tcn15minDataChMsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.3
tcn15minData16E1Group OBJECT IDENTIFIER
    ::= { tcn15minDataCableGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.3.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.3.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.3.1.1.1
tcn15minData16E1PdhIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. Unique number of the E1 interface."
    ::= { tcn15minData16E1PdhEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.3.1.1.2
tcn15minData16E1PdhMonitorName OBJECT-TYPE
    SYNTAX          INTEGER { cv(1) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn15minData16E1PdhEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.3.1.1.3
tcn15minData16E1PdhNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
```

```
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { tcn15minData16E1PdhEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.2.3.1.1.4
    tcn15minData16E1Pdh OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "TCN 15 minutes E1 CV Alarm."
        ::= { tcn15minData16E1PdhEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3
    tcn1dayDataRadioGroup OBJECT IDENTIFIER
        ::= { asTCNGroup 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.1
    tcn1dayDataRadioTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF Tcn1dayDataRadioEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Represents Threashold Crossing Alarm Status of 1 day PMON for
             Radio."
        ::= { tcn1dayDataRadioGroup 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.1.1
    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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.1.1.1
    tcn1dayDataModemIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. Unique number of the radio interface."
        ::= { tcn1dayDataRadioEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.1.1.2
    tcn1dayDataModemMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5), ofs(6) }
        ACCESS          not-accessible
        STATUS          mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn1dayDataRadioEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.1.1.3
tcn1dayDataRadioNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn1dayDataRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.1.1.4
tcn1dayDataRf OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "TCN MODEM 1 day RF Monitoring Alarm per counting item."
    ::= { tcn1dayDataRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.2.1
tcn1dayRxLevEntry OBJECT-TYPE
    SYNTAX          Tcn1dayRxLevEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { tcn1dayRxLevNEAddress, tcn1dayRxLevIfIndex }
    ::= { tcn1dayRxLevTable 1 }

Tcn1dayRxLevEntry ::= SEQUENCE {
    tcn1dayRxLevIfIndex         InterfaceIndex,
    tcn1dayRxLevNEAddress       IpAddress,
    tcn1dayRxLev                SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.2.1.1
tcn1dayRxLevIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. Unique number of the radio interface."
    ::= { tcn1dayRxLevEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.2.1.2
tcn1dayRxLevNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
```

```
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { tcn1dayRxLevEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.3.2.1.3
    tcn1dayRxLev OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "TCN MODEM 1 day RX Level (Min) Alarm."
        ::= { tcn1dayRxLevEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4
    tcn1dayDataCableGroup OBJECT IDENTIFIER
        ::= { asTCNGroup 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1
    tcn1dayDataThroughModeGroup OBJECT IDENTIFIER
        ::= { tcn1dayDataCableGroup 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.1
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.1.1
    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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.1.1.1
    tcn1dayDataTmRsIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. Unique number of the STM-1 interface."
        ::= { tcn1dayDataTmRsEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.1.1.2
tcn1dayDataTmRsMonitorName OBJECT-TYPE
    SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5), ofs(6) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn1dayDataTmRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.1.1.3
tcn1dayDataTmRsNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn1dayDataTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.1.1.4
tcn1dayDataTmRs OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "TCN STM-1 1 day (Through Mode) RS Monitoring Alarm."
    ::= { tcn1dayDataTmRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.2.1.1
tcn1dayDataTmDMRRsIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
```

```
        DESCRIPTION
            "Index of this table. Unique number of the STM-1 interface."
        ::= { tcn1dayDataTmDMRRsEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.2.1.2
    tcn1dayDataTmDMRRsMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5), ofs(6) }
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. The index value shows counting item."
        ::= { tcn1dayDataTmDMRRsEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.2.1.3
    tcn1dayDataTmDMRRsNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { tcn1dayDataTmDMRRsEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.1.2.1.4
    tcn1dayDataTmDMRRs OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "TCN STM-1 1 day (Through Mode)DMR RS Monitoring Alarm."
        ::= { tcn1dayDataTmDMRRsEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2
    tcn1dayDataChannelizedModeGroup OBJECT IDENTIFIER
        ::= { tcn1dayDataCableGroup 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.1
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.1.1
    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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.1.1.1
    tcn1dayDataChRsIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. Unique number of the STM-1 interface."
        ::= { tcn1dayDataChRsEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.1.1.2
    tcn1dayDataChRsMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5), ofs(6) }
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. The index value shows counting item."
        ::= { tcn1dayDataChRsEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.1.1.3
    tcn1dayDataChRsNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { tcn1dayDataChRsEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.1.1.4
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.2
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.2.1
    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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.2.1.1
tcn1dayDataChMsIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. Unique number of the STM-1 interface."
    ::= { tcn1dayDataChMsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.2.1.2
tcn1dayDataChMsMonitorName OBJECT-TYPE
    SYNTAX          INTEGER { bbe(1), es(2), ses(3), sep(4), uas(5) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn1dayDataChMsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.2.1.3
tcn1dayDataChMsNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn1dayDataChMsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.2.2.1.4
tcn1dayDataChMs OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "TCN STM-1 15 minutes (Channelized Mode) MS Monitoring Alarm."
    ::= { tcn1dayDataChMsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.3
tcn1dayData16E1Group OBJECT IDENTIFIER
    ::= { tcn1dayDataCableGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.3.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.3.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.3.1.1.1
tcn1dayData16E1PdhIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. Unique number of the E1 interface."
    ::= { tcn1dayData16E1PdhEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.3.1.1.2
tcn1dayData16E1PdhMonitorName OBJECT-TYPE
    SYNTAX          INTEGER { cv(1) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The index value shows counting item."
    ::= { tcn1dayData16E1PdhEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.3.1.1.3
tcn1dayData16E1PdhNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn1dayData16E1PdhEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.4.3.1.1.4
tcn1dayData16E1Pdh OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "TCN 1 day E1 CV Alarm."
    ::= { tcn1dayData16E1PdhEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5
tcn15minDataRmonGroup OBJECT IDENTIFIER
    ::= { asTCNGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1.1
tcn15minRmonIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. Unique number of the Ethernet Port."
    ::= { tcn15minDataRmonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1.2
tcn15minRmonNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { tcn15minDataRmonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1.3
tcn15minHCRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX Drop Events Alarm"
    ::= { tcn15minDataRmonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1.4
tcn15minHCRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
```

```
        "RMON(Ethernet Port) TCN 15 minutes RX Undersize Packets Alarm."
    ::= { tcn15minDataRmonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1.5
tcn15minHCRxEthStatsFragments OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX Fragments Alarm."
    ::= { tcn15minDataRmonEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1.6
tcn15minHCRxEthStatsCRCAlignErrors OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX CRC Alignment Errors
         Alarm."
    ::= { tcn15minDataRmonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1.7
tcn15minHCRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes RX Oversize Packets Alarm."
    ::= { tcn15minDataRmonEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.5.1.1.8
tcn15minHCTxEthStatsCollisions OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 15 minutes TX Collisions Alarm."
    ::= { tcn15minDataRmonEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6
tcn1dayDataRmonGroup OBJECT IDENTIFIER
    ::= { asTCNGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1.1
tcn1dayRmonIfIndex OBJECT-TYPE
    SYNTAX        InterfaceIndex
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table. Unique number of the Ethernet Port."
    ::= { tcn1dayDataRmonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1.2
tcn1dayRmonNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { tcn1dayDataRmonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1.3
tcn1dayHCRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX Drop Events Alarm"
    ::= { tcn1dayDataRmonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1.4
tcn1dayHCRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX Undersize Packets Alarm."
    ::= { tcn1dayDataRmonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1.5
tcn1dayHCRxEthStatsFragments OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX Fragments Alarm."
    ::= { tcn1dayDataRmonEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1.6
tcn1dayHCRxEthStatsCRCAlignErrors OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX CRC Alignment Errors Alarm."
    ::= { tcn1dayDataRmonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1.7
tcn1dayHCRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day RX Oversize Packets Alarm."
    ::= { tcn1dayDataRmonEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.9.6.1.1.8
tcn1dayHCTxEthStatsCollisions OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON(Ethernet Port) TCN 1 day TX Collisions Alarm."
    ::= { tcn1dayDataRmonEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10
asHkGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.1
hkInputStatusTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF HkInputStatusEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "AUX HK Input Status"
    ::= { asHkGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.1.1.1
hkInputStatusIndex OBJECT-TYPE
    SYNTAX          INTEGER { hkInput1(1), hkInput2(2), hkInput3(3),
                    hkInput4(4), hkInput5(5), hkInput6(6) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { hkInputStatusEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.1.1.2
hkInputStatusNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { hkInputStatusEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.1.1.3
hkInputAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "AUX HK IN Alarm."
    ::= { hkInputStatusEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.1.1.4
hkInputStatus OBJECT-TYPE
    SYNTAX          INTEGER { eventOff(1), eventOn(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "AUX HK IN Status."
    ::= { hkInputStatusEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.2
hkOutputStatusTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF HkOutputStatusEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "AUX HK Output Status"
    ::= { asHkGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.2.1
hkOutputStatusEntry OBJECT-TYPE
    SYNTAX          HkOutputStatusEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { hkOutputStatusNEAddress, hkOutputStatusIndex }
    ::= { hkOutputStatusTable 1 }

HkOutputStatusEntry ::= SEQUENCE {
    hkOutputStatusIndex             INTEGER,
    hkOutputStatusNEAddress         IpAddress,
    hkOutputStatusValue             OffOnValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.2.1.1
```

```
hkOutputStatusIndex OBJECT-TYPE
      SYNTAX          INTEGER { hkOutput1(1), hkOutput2(2), hkOutput3(3),
                         hkOutput4(4) }
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { hkOutputStatusEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.2.1.2
hkOutputStatusNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved."
      ::= { hkOutputStatusEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.2.1.3
hkOutputStatusValue OBJECT-TYPE
      SYNTAX          OffOnValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "AUX HK OUT Status"
      ::= { hkOutputStatusEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3
clusterAlarmGroup OBJECT IDENTIFIER
      ::= { asHkGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.1
clusterAlarmInTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF ClusterAlarmInEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Represents Cluster Alarm Input (Cluster Alarm to Peer Equipment)
             Status"
      ::= { clusterAlarmGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.1.1
clusterAlarmInEntry OBJECT-TYPE
      SYNTAX          ClusterAlarmInEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            ""
      INDEX           { clusterAlarmInNEAddress, clusterAlarmInIfIndex }
      ::= { clusterAlarmInTable 1 }

ClusterAlarmInEntry ::= SEQUENCE {
      clusterAlarmInIfIndex          InterfaceIndex,
      clusterAlarmInNEAddress          IpAddress,
      clusterAlarmInStatus             INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.1.1.1
clusterAlarmInIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
```

```
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { clusterAlarmInEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.1.1.2
clusterAlarmInNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { clusterAlarmInEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.1.1.3
clusterAlarmInStatus OBJECT-TYPE
    SYNTAX          INTEGER { alarm(1), normal(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Cluster Alarm Input Status."
    ::= { clusterAlarmInEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.2.1
clusterAlarmOutEntry OBJECT-TYPE
    SYNTAX          ClusterAlarmOutEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { clusterAlarmOutNEAddress, clusterAlarmOutIndex }
    ::= { clusterAlarmOutTable 1 }

ClusterAlarmOutEntry ::= SEQUENCE {
    clusterAlarmOutIndex            INTEGER,
    clusterAlarmOutNEAddress        IpAddress,
    clusterAlarmOutStatus           INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.2.1.1
clusterAlarmOutIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { clusterAlarmOutEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.2.1.2
```

```
clusterAlarmOutNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { clusterAlarmOutEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.10.3.2.1.3
clusterAlarmOutStatus OBJECT-TYPE
    SYNTAX          INTEGER { alarm(1), normal(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM Cluster Alarm Out."
    ::= { clusterAlarmOutEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11
asStm1Group OBJECT IDENTIFIER
    ::= { alarmStatusGroup 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1
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,
    lowerOrderPathTraceReceivedValue     DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.1
asStm1ChPortIfIndex OBJECT-TYPE
```

```
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index of this table."
        ::= { asStm1ChPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.2
asStm1ChPortNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "reserved."
        ::= { asStm1ChPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.3
msAisAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 MS AIS Alarm."
        ::= { asStm1ChPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.4
msRdiAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 MS RDI Alarm."
        ::= { asStm1ChPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.5
pjeStatus OBJECT-TYPE
        SYNTAX          INTEGER { noDetected(1), detected(2) }
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 PJE Status."
        ::= { asStm1ChPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.6
auAisAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 AU AIS Alarm."
        ::= { asStm1ChPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.7
auLopAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 AU LOP Alarm."
        ::= { asStm1ChPortEntry 7 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.8
hpUnequipedAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 HP UNEQ Alarm."
      ::= { asStm1ChPortEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.9
hpTimAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 HP TIM Alarm"
      ::= { asStm1ChPortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.10
hpPlmAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 HP PLM Alarm"
      ::= { asStm1ChPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.11
hpRdiAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 HP RDI Alarm"
      ::= { asStm1ChPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.12
lomAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 LOM Alarm."
      ::= { asStm1ChPortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.13
higherOrderPathTraceReceivedValue OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 HP Trace Received Value."
      ::= { asStm1ChPortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.1.1.14
lowerOrderPathTraceReceivedValue OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS          read-only
      STATUS          mandatory
```

```
    DESCRIPTION
        "STM-1 LP Trace Received Value."
    ::= { asStm1ChPortEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2
asStm1PortTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsStm1PortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Alarm / Status Information of STM-1 Interface."
    ::= { asStm1Group 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1
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,
    stm1LoopbackStatus              INTEGER,
    stm1LaserShutdownStatus         OffOnValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.1
asStm1PortIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asStm1PortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.2
asStm1PortNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asStm1PortEntry 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.3
portTypeMismatchAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 SFP Type Mismatch Alarm."
      ::= { asStm1PortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.4
portRemovedAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 SFP Removed Alarm."
      ::= { asStm1PortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.5
stm1LosAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 LOS Alarm."
      ::= { asStm1PortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.6
tfAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 Transmit FAIL Alarm."
      ::= { asStm1PortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.7
rsLofAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 RS LOF Alarm."
      ::= { asStm1PortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.8
rsTimAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "STM-1 RS TIM Alarm."
      ::= { asStm1PortEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.9
rsExcAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
```

```
          "STM-1 RS EXC Alarm."
     ::= { asStm1PortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.10
rsDegAlarm OBJECT-TYPE
     SYNTAX          SeverityValue
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "STM-1 RS DEG Alarm."
     ::= { asStm1PortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.11
rsUasStatus OBJECT-TYPE
     SYNTAX          INTEGER { normal(1), uas(2) }
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "STM-1 RS UAS Status"
     ::= { asStm1PortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.12
sectionTraceReceivedValue OBJECT-TYPE
     SYNTAX          DisplayString
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "STM-1 Section Trace Received Value."
     ::= { asStm1PortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.13
alsStatus OBJECT-TYPE
     SYNTAX          OffOnValue
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "STM-1 ALS Status"
     ::= { asStm1PortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.14
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.15
stm1LoopbackStatus OBJECT-TYPE
     SYNTAX          INTEGER { ne(1), fe(2), normal(3) }
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "STM-1 Loopback Status."
     ::= { asStm1PortEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.2.1.16
stm1LaserShutdownStatus OBJECT-TYPE
```

```
    SYNTAX          OffOnValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "STM-1 Laser Shutdown status."
    ::= { asStm1PortEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1
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,
    lpUnequipedAlarm        SeverityValue,
    lpRdiAlarm              SeverityValue,
    lpPlmAlarm              SeverityValue,
    slpAisGenStatus         INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1.1
asStm1ChIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table"
    ::= { asStm1ChEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1.2
asStm1ChNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asStm1ChEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1.3
tuAisAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
```

```
        STATUS          mandatory
        DESCRIPTION
                "STM-1 TU AIS Alarm."
        ::= { asStm1ChEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1.4
tuLopAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 TU LOP Alarm."
        ::= { asStm1ChEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1.5
lpUnequipedAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 LP UNEQ Alarm."
        ::= { asStm1ChEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1.6
lpRdiAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 LP RDI Alarm."
        ::= { asStm1ChEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1.7
lpPlmAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 LP PLM Alarm."
        ::= { asStm1ChEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.3.1.8
slpAisGenStatus OBJECT-TYPE
        SYNTAX          INTEGER { normal(1), generated(2) }
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "STM-1 E1 AIS Generated Status."
        ::= { asStm1ChEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4
asStm1CardTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF AsStm1CardEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Alarm / Status information of STM-1 Card."
        ::= { asStm1Group 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1
```

```
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,
    stm1BusErrorTx             SeverityValue,
    stm1BusErrorRx             SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1.1
asStm1CardIndex OBJECT-TYPE
    SYNTAX         INTEGER
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asStm1CardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1.2
asStm1CardNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "reserved."
    ::= { asStm1CardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1.3
stm1Alarm OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "STM-1 Module Alarm."
    ::= { asStm1CardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1.4
stm1ComFailAlarm OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "STM-1 Communication FAIL Alarm."
    ::= { asStm1CardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1.5
stm1Unequipped OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS          mandatory
    DESCRIPTION
        "STM-1 Unequipped Alarm."
    ::= { asStm1CardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1.6
stm1TypeMismatch OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "STM-1 Type Mismatch Alarm."
    ::= { asStm1CardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1.7
stm1BusErrorTx OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "STM-1 TX Bus Error Alarm."
    ::= { asStm1CardEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.11.4.1.8
stm1BusErrorRx OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "STM-1 RX Bus Error Alarm."
    ::= { asStm1CardEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12
asE1Group OBJECT IDENTIFIER
    ::= { alarmStatusGroup 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1
asE1CardTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsE1CardEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Alarm / Status information of 16E1 Card."
    ::= { asE1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1
asE1CardEntry OBJECT-TYPE
    SYNTAX          AsE1CardEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asE1CardNEAddress, asE1CardIndex }
    ::= { asE1CardTable 1 }

AsE1CardEntry ::= SEQUENCE {
    asE1CardIndex           INTEGER,
    asE1CardNEAddress       IpAddress,
    e1Alarm                 SeverityValue,
    e1ComFailAlarm          SeverityValue,
        e1Unequipped              SeverityValue,
        e1TypeMismatch            SeverityValue,
        e1BusErrorTx              SeverityValue,
        e1BusErrorRx              SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1.1
asE1CardIndex OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index of this table."
        ::= { asE1CardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1.2
asE1CardNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "reserved."
        ::= { asE1CardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1.3
e1Alarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "16E1 Module Alarm."
        ::= { asE1CardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1.4
e1ComFailAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "16E1 Communication FAIL Alarm."
        ::= { asE1CardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1.5
e1Unequipped OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "16E1 Unequipped Alarm."
        ::= { asE1CardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1.6
e1TypeMismatch OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "16E1 Type Mismatch Alarm."
        ::= { asE1CardEntry 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1.7
e1BusErrorTx OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "16E1 TX Bus Error Alarm."
      ::= { asE1CardEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.1.1.8
e1BusErrorRx OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "16E1 RX Bus Error Alarm."
      ::= { asE1CardEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2
asE1ChTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF AsE1ChEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Alarm / Status information of E1 Channel."
      ::= { asE1Group 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1
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,
      e1LoopbackStatus         INTEGER,
      ppiAisStatus             INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1.1
asE1ChIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table. Unique number of E1 channel."
      ::= { asE1ChEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1.2
asE1ChNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
```

```
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { asE1ChEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1.3
chUsageAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "E1 Channel Usage Error Alarm."
    ::= { asE1ChEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1.4
e1LosAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "E1 Channel LOS Alarm."
    ::= { asE1ChEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1.5
ppiAisAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "E1 Channel AIS Alarm."
    ::= { asE1ChEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1.6
e1AisGenStatus OBJECT-TYPE
    SYNTAX          INTEGER { normal(1), generated(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "E1 Channel AIS Generated Status."
    ::= { asE1ChEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1.7
e1LoopbackStatus OBJECT-TYPE
    SYNTAX          INTEGER { ne(1), fe(2), normal(3) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "E1 Channel Loopback Status."
    ::= { asE1ChEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.12.2.1.8
ppiAisStatus OBJECT-TYPE
    SYNTAX          INTEGER { normal(1), ais(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "E1 Channel AIS Status."
    ::= { asE1ChEntry 8 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13
asETHGroup OBJECT IDENTIFIER
      ::= { alarmStatusGroup 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2
asRstpGroup OBJECT IDENTIFIER
      ::= { asETHGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.1
asRstpBridgeTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF AsRstpBridgeEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Alarm / Status information of RSTP."
      ::= { asRstpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.1.1
asRstpBridgeEntry OBJECT-TYPE
      SYNTAX          AsRstpBridgeEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            ""
      INDEX           { asRstpBridgeNEAddress, asRstpBridgeIndex }
      ::= { asRstpBridgeTable 1 }

AsRstpBridgeEntry ::= SEQUENCE {
      asRstpBridgeIndex                INTEGER,
      asRstpBridgeNEAddress            IpAddress,
      asRstpBridgeDesignatedRoot       BridgeId,
      asRstpBridgeTopChanges           INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.1.1.1
asRstpBridgeIndex OBJECT-TYPE
      SYNTAX          INTEGER
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { asRstpBridgeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.1.1.2
asRstpBridgeNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved."
      ::= { asRstpBridgeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.1.1.3
asRstpBridgeDesignatedRoot OBJECT-TYPE
      SYNTAX          BridgeId
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "The bridge identifier of the root of the spanning tree."
      ::= { asRstpBridgeEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2
asRstpPortTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsRstpPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Alarm / Status information of RSTP per Ethernet Port."
    ::= { asRstpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1
asRstpPortEntry OBJECT-TYPE
    SYNTAX          AsRstpPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asRstpPortNEAddress, asRstpIfIndex }
    ::= { asRstpPortTable 1 }

AsRstpPortEntry ::= SEQUENCE {
    asRstpIfIndex                                   InterfaceIndex,
    asRstpPortNEAddress                             IpAddress,
    asRstpPortRole                                  INTEGER,
    asRstpPortState                                 INTEGER,
    asRstpPortNewRootBridgeDetectedBridgePriority   BridgeId,
    asRstpPortProtocolMigrationVersion              INTEGER,
    asRstpPortPathCost                              INTEGER,
    asRstpPortInvalidBpduCause                      INTEGER,
    asRstpPortDesignatedCost                        INTEGER,
    asRstpPortDesignatedBridge                      BridgeId,
    asRstpPortDesignatedPort                        OCTET STRING,
    asRstpPortForwardTransitions                    Counter,
    asRstpPortOperEdgePort                          INTEGER,
    asRstpPortOperPointToPoint                      EnableDisableValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.1
asRstpIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asRstpPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.2
asRstpPortNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { asRstpPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.3
asRstpPortRole OBJECT-TYPE
    SYNTAX          INTEGER { disabledPort(1), alternatePort(2),
                      backupPort(3), rootPort(4), designatedPort(5) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RSTP Port Role. 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 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.5
asRstpPortNewRootBridgeDetectedBridgePriority OBJECT-TYPE
    SYNTAX          BridgeId
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RSTP New Bridge Detect Status. The unique Bridge Identifier of
         the Bridge recorded as the Root in the Configuration BPDUs."
    ::= { asRstpPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.7
asRstpPortPathCost OBJECT-TYPE
    SYNTAX          INTEGER (1..200000000)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The port's path cost, defined by application depends on its port
         speed."
    ::= { asRstpPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.8
```

```
asRstpPortInvalidBpduCause OBJECT-TYPE
    SYNTAX          INTEGER { restore(0), protocolID(1), bpduType(2),
                      tcnLength(3), rstpLength(4), configLength(5),
                      maxAge(6), fwdDelay(7), helloTime(8) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RSTP Invalid BPDU Received. The event status of invalid BPDU
         received."
    ::= { asRstpPortEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.9
asRstpPortDesignatedCost OBJECT-TYPE
    SYNTAX          INTEGER (1..200000000)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The path cost of the Designated Port of the segment connected to
         this port."
    ::= { asRstpPortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.10
asRstpPortDesignatedBridge OBJECT-TYPE
    SYNTAX          BridgeId
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The bridge identifier of the bridge that this port considers to
         be the designated Bridge for this port's segment."
    ::= { asRstpPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.11
asRstpPortDesignatedPort OBJECT-TYPE
    SYNTAX          OCTET STRING
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The port identifier of the port on the designated bridge for
         this port's segment."
    ::= { asRstpPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.12
asRstpPortForwardTransitions 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."
    ::= { asRstpPortEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.13
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.2.2.1.14
asRstpPortOperPointToPoint OBJECT-TYPE
    SYNTAX          EnableDisableValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The operational value of the point-to-point port parameter."
    ::= { asRstpPortEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3
asEthOamGroup OBJECT IDENTIFIER
    ::= { asETHGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1
asEthOamCcGroup OBJECT IDENTIFIER
    ::= { asEthOamGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.1
asEthOamMepCcmFaultTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsEthOamMepCcmFaultEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "ETH-CC Fault Management Table"
    ::= { asEthOamCcGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.1.1
asEthOamMepCcmFaultEntry OBJECT-TYPE
    SYNTAX          AsEthOamMepCcmFaultEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asEthOamMepCcmFaultNEAddress, asEthOamMepCcmIndex }
    ::= { asEthOamMepCcmFaultTable 1 }

AsEthOamMepCcmFaultEntry ::= SEQUENCE {
    asEthOamMepCcmIndex                         IpeMepId,
    asEthOamMepCcmFaultNEAddress                IpAddress,
    asEthOamMepCcmLOC                           SeverityValue,
    asEthOamMepCcmRdiReceived                   SeverityValue,
    asEthOamMepCcmMismergeCondition             SeverityValue,
    asEthOamMepCcmUnexpectedMepCondition        SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.1.1.1
asEthOamMepCcmIndex OBJECT-TYPE
    SYNTAX          IpeMepId
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The value is not same as MEP ID of protocol
          sense, uniquely assigned administrative value."
    ::= { asEthOamMepCcmFaultEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.1.1.2
asEthOamMepCcmFaultNEAddress OBJECT-TYPE
```

```
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved"
    ::= { asEthOamMepCcmFaultEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.1.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.1.1.5
asEthOamMepCcmMismergeCondition OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        obsolete
    DESCRIPTION
        "obsoleted"
    ::= { asEthOamMepCcmFaultEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.1.1.6
asEthOamMepCcmUnexpectedMepCondition OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        obsolete
    DESCRIPTION
        "obsoleted"
    ::= { asEthOamMepCcmFaultEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2
asEthOamMepCcmDbTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF AsEthOamMepCcmDbEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "ETH-CCM Database Table"
    ::= { asEthOamCcGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2.1
asEthOamMepCcmDbEntry OBJECT-TYPE
    SYNTAX        AsEthOamMepCcmDbEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
```

```
          ""
      INDEX         { asEthOamMepCcmDbNEAddress, asEthOamMepCcmDbPeerMepIndex }
      ::= { asEthOamMepCcmDbTable 1 }

AsEthOamMepCcmDbEntry ::= SEQUENCE {
      asEthOamMepCcmDbPeerMepIndex       IpeMepId,
      asEthOamMepCcmDbNEAddress          IpAddress,
      asEthOamMepCcmDbMepIndex           IpeMepId,
      asEthOamMepCcmDbPeerMepId          INTEGER,
      asEthOamMepCcmDbMepId              INTEGER,
      asEthOamMepCcmDbCondition          TruthValue,
      asEthOamMepCcmDbRdiReceived        TruthValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2.1.1
asEthOamMepCcmDbPeerMepIndex OBJECT-TYPE
      SYNTAX        IpeMepId
      ACCESS        not-accessible
      STATUS        mandatory
      DESCRIPTION
          "Index of this table representing peer MEP index. The value is
            not same as MEP ID of protocol sense, uniquely assigned
            administrative value."
      ::= { asEthOamMepCcmDbEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2.1.2
asEthOamMepCcmDbNEAddress OBJECT-TYPE
      SYNTAX        IpAddress
      ACCESS        not-accessible
      STATUS        mandatory
      DESCRIPTION
          "reserved"
      ::= { asEthOamMepCcmDbEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2.1.3
asEthOamMepCcmDbMepIndex OBJECT-TYPE
      SYNTAX        IpeMepId
      ACCESS        read-only
      STATUS        mandatory
      DESCRIPTION
          "Administrative Mep Index of own MEP."
      ::= { asEthOamMepCcmDbEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2.1.4
asEthOamMepCcmDbPeerMepId OBJECT-TYPE
      SYNTAX        INTEGER (0..8191)
      ACCESS        read-only
      STATUS        mandatory
      DESCRIPTION
          "this object represents protocol sense MEP ID of peer MEP."
      ::= { asEthOamMepCcmDbEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2.1.5
asEthOamMepCcmDbMepId OBJECT-TYPE
      SYNTAX        INTEGER (0..8191)
      ACCESS        read-only
      STATUS        mandatory
      DESCRIPTION
          "this object represents protocol sense MEP ID of local MEP."
      ::= { asEthOamMepCcmDbEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2.1.6
asEthOamMepCcmDbCondition OBJECT-TYPE
    SYNTAX          TruthValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object represents the status of LOC detection per Peer
         MEP."
    ::= { asEthOamMepCcmDbEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.2.1.7
asEthOamMepCcmDbRdiReceived OBJECT-TYPE
    SYNTAX          TruthValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object represents the status of RDI receive status per peer
         MEP."
    ::= { asEthOamMepCcmDbEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.3
asEthOamMegCcmFaultTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsEthOamMegCcmFaultEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "ETH-CC Fault Management Table(MEG)"
    ::= { asEthOamCcGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.3.1
asEthOamMegCcmFaultEntry OBJECT-TYPE
    SYNTAX          AsEthOamMegCcmFaultEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asEthOamMegCcmFaultNEAddress, asEthOamMegCcmIndex }
    ::= { asEthOamMegCcmFaultTable 1 }

AsEthOamMegCcmFaultEntry ::= SEQUENCE {
    asEthOamMegCcmIndex                         INTEGER,
    asEthOamMegCcmFaultNEAddress                IpAddress,
    asEthOamMegCcmMismergeCondition             SeverityValue,
    asEthOamMegCcmUnexpectedMepCondition        SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.3.1.1
asEthOamMegCcmIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..128)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asEthOamMegCcmFaultEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.3.1.2
asEthOamMegCcmFaultNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS       mandatory
    DESCRIPTION
        "reserved."
    ::= { asEthOamMegCcmFaultEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.3.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.1.3.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.2
asEthOamAisGroup OBJECT IDENTIFIER
    ::= { asEthOamGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.2.1
asEthOamAisTable OBJECT-TYPE
    SYNTAX       SEQUENCE OF AsEthOamAisEntry
    ACCESS       not-accessible
    STATUS       obsolete
    DESCRIPTION
        "ETH-AIS Status Table"
    ::= { asEthOamAisGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.2.1.1
asEthOamAisEntry OBJECT-TYPE
    SYNTAX       AsEthOamAisEntry
    ACCESS       not-accessible
    STATUS       obsolete
    DESCRIPTION
        ""
    INDEX        { asEthOamAisNEAddress, asEthOamAisMepIndex }
    ::= { asEthOamAisTable 1 }

AsEthOamAisEntry ::= SEQUENCE {
    asEthOamAisMepIndex       IpeMepId,
    asEthOamAisNEAddress      IpAddress,
    asEthOamAisCondition      SeverityValue,
    asEthOamAisPeriod         INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.2.1.1.1
asEthOamAisMepIndex OBJECT-TYPE
    SYNTAX       IpeMepId
    ACCESS       not-accessible
    STATUS          obsolete
    DESCRIPTION
        "Index of this table. Administrative ID of local MEP."
    ::= { asEthOamAisEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.2.1.1.2
asEthOamAisNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          obsolete
    DESCRIPTION
        "reserved"
    ::= { asEthOamAisEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.2.1.1.3
asEthOamAisCondition OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          obsolete
    DESCRIPTION
        "obsoleted"
    ::= { asEthOamAisEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.3.2.1.1.4
asEthOamAisPeriod OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), period-1s(4), period-1min(6) }
    ACCESS          read-only
    STATUS          obsolete
    DESCRIPTION
        "obsoleted"
    ::= { asEthOamAisEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6
asFdbGroup OBJECT IDENTIFIER
    ::= { asETHGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.1
asFdbEquipmentTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsFdbEquipmentEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Forwarding Database Status per Equipment."
    ::= { asFdbGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.1.1.1
asFdbEquipmentIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. This object is created per equipment."
    ::= { asFdbEquipmentEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.1.1.2
asFdbEquipmentNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asFdbEquipmentEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.1.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.2
asFdbPortTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsFdbPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { asFdbGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.2.1.1
asFdbPortIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { asFdbPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.2.1.2
asFdbPortNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved."
      ::= { asFdbPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.2.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.2.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.3
asFdbVlanTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF AsFdbVlanEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Forwarding Database status per VLAN."
      ::= { asFdbGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.3.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.3.1.1
asFdbVlanIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The value is same as VLAN ID."
    ::= { asFdbVlanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.3.1.2
asFdbVlanNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asFdbVlanEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.3.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.6.3.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7
asLlfGroup OBJECT IDENTIFIER
    ::= { asETHGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.1
asLlfGroupTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsLlfGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Link Loss Forwarding(LLF) Status per LLF Group."
    ::= { asLlfGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.1.1
asLlfGroupEntry OBJECT-TYPE
    SYNTAX          AsLlfGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asLlfGroupNEAddress, asLlfGroupIndex }
    ::= { asLlfGroupTable 1 }

AsLlfGroupEntry ::= SEQUENCE {
    asLlfGroupIndex             INTEGER,
    asLlfGroupNEAddress         IpAddress,
    asLlfGroupForceClose        INTEGER,
    asLlfGroupTimeout           INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.1.1.1
asLlfGroupIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..16)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The value means LLF Group Index."
    ::= { asLlfGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.1.1.2
asLlfGroupNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asLlfGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.1.1.3
asLlfGroupForceClose 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."
    ::= { asLlfGroupEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.1.1.4
asLlfGroupTimeout OBJECT-TYPE
    SYNTAX          INTEGER { received(1), timeout(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "LLF Timeout Status. The periodic LLF messages is not received."
    ::= { asLlfGroupEntry 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.2
asLlfReceiveInfoTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF AsLlfReceiveInfoEntry
      ACCESS          not-accessible
      STATUS          obsolete
      DESCRIPTION
            "Link Loss Forwarding (LLF) Status per port."
      ::= { asLlfGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.2.1
asLlfReceiveInfoEntry OBJECT-TYPE
      SYNTAX          AsLlfReceiveInfoEntry
      ACCESS          not-accessible
      STATUS          obsolete
      DESCRIPTION
            ""
      INDEX          { asLlfReceiveInfoNEAddress, asLlfReceiveInfoIfIndex,
asLlfReceiveInfoGroupIndex }
      ::= { asLlfReceiveInfoTable 1 }

AsLlfReceiveInfoEntry ::= SEQUENCE {
      asLlfReceiveInfoIfIndex         InterfaceIndex,
      asLlfReceiveInfoGroupIndex    INTEGER,
      asLlfReceiveInfoNEAddress      IpAddress,
      asLlfReceiveInfoLinkSts         INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.2.1.1
asLlfReceiveInfoIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          obsolete
      DESCRIPTION
            "reserved."
      ::= { asLlfReceiveInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.2.1.2
asLlfReceiveInfoGroupIndex OBJECT-TYPE
      SYNTAX          INTEGER (1..16)
      ACCESS          not-accessible
      STATUS          obsolete
      DESCRIPTION
            "LLF Group Index. The value means LLF Group Index which is
              assigned to the port."
      ::= { asLlfReceiveInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.2.1.3
asLlfReceiveInfoNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          obsolete
      DESCRIPTION
            "reserved"
      ::= { asLlfReceiveInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.7.2.1.4
asLlfReceiveInfoLinkSts OBJECT-TYPE
      SYNTAX          INTEGER { down(1), up(2) }
      ACCESS          read-only
      STATUS          obsolete
```

```
    DESCRIPTION
        "LLF Link Information which is received from peer."
    ::= { asLlfReceiveInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8
asETHPortGroup OBJECT IDENTIFIER
    ::= { asETHGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1
asETHPortTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsETHPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Ethernet Port Status Table."
    ::= { asETHPortGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1
asETHPortEntry OBJECT-TYPE
    SYNTAX          AsETHPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asETHPortNEAddress, asETHPortIfIndex }
    ::= { asETHPortTable 1 }

AsETHPortEntry ::= SEQUENCE {
    asETHPortIfIndex                InterfaceIndex,
    asETHPortNEAddress              IpAddress,
    asETHPortInterfaceType          INTEGER,
    asETHPortSpeedDuplex            INTEGER,
    asETHPortFlowControl            INTEGER,
    asETHPortMDIMDIX                INTEGER,
    asETHPortLinkStatus             SeverityValue,
    asETHPortAdminStatus            INTEGER,
    asETHPortSFPEquip               SeverityValue,
    asETHPortSFPLos                 SeverityValue,
    asETHPortSFPTxError             SeverityValue,
    asETHPortSFPTypeMismatch        SeverityValue,
    asETHPortOperStatus             INTEGER,
    asETHPortLlfOamReceived         INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.1
asETHPortIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The administrative number which is assigned
          to the port uniquely."
    ::= { asETHPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.2
asETHPortNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
```

```
          "reserved"
      ::= { asETHPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.3
asETHPortInterfaceType OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), fiber(1), copper(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "GbE SFP Port Type Status. This object represents interface type
           which is installed currently."
      ::= { asETHPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.5
asETHPortFlowControl OBJECT-TYPE
      SYNTAX          INTEGER { disable(1), enable(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "GbE Flow Control Status."
      ::= { asETHPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.7
asETHPortLinkStatus OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "GbE LAN Link Alarm."
      ::= { asETHPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.9
asETHPortSFPEquip OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "GbE SFP Removed Alarm."
        ::= { asETHPortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.10
asETHPortSFPLos OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "GbE ETH LOS Alarm."
        ::= { asETHPortEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.11
asETHPortSFPTxError OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "GbE ETH TF (Transmit FAIL) Alarm."
        ::= { asETHPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.12
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.13
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.8.1.1.14
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.9
asSyncETHGroup OBJECT IDENTIFIER
        ::= { asETHGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.9.2
asSyncETHTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF AsSyncETHEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Sync Ethernet Status table."
        ::= { asSyncETHGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.9.2.1
asSyncETHEntry OBJECT-TYPE
        SYNTAX          AsSyncETHEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                ""
        INDEX           { asSyncETHNEAddress, asSyncETHIfIndex }
        ::= { asSyncETHTable 1 }

AsSyncETHEntry ::= SEQUENCE {
        asSyncETHIfIndex                InterfaceIndex,
        asSyncETHNEAddress              IpAddress,
        asSyncETHPortCLKSts             INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.9.2.1.1
asSyncETHIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Index of this table."
        ::= { asSyncETHEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.9.2.1.2
asSyncETHNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "reserved."
        ::= { asSyncETHEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.9.2.1.3
asSyncETHPortCLKSts OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Sync ETH Port CLK Status."
        ::= { asSyncETHEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.10
asQosGroup OBJECT IDENTIFIER
```

```
	::= { asETHGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.10.1
asQosTable OBJECT-TYPE
	SYNTAX		SEQUENCE OF AsQosEntry
	ACCESS		not-accessible
	STATUS		obsolete
	DESCRIPTION
		"Qos Information per port."
	::= { asQosGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.10.1.1
asQosEntry OBJECT-TYPE
	SYNTAX		AsQosEntry
	ACCESS		not-accessible
	STATUS		obsolete
	DESCRIPTION
		""
	INDEX		{ asQosNEAddress, asQosPortindex }
	::= { asQosTable 1 }

AsQosEntry ::= SEQUENCE {
	asQosPortindex		InterfaceIndex,
	asQosNEAddress		IpAddress,
	asQosAmrBandWidth	INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.10.1.1.1
asQosPortindex OBJECT-TYPE
	SYNTAX		InterfaceIndex
	ACCESS		not-accessible
	STATUS		obsolete
	DESCRIPTION
		"Index of this table."
	::= { asQosEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.10.1.1.2
asQosNEAddress OBJECT-TYPE
	SYNTAX		IpAddress
	ACCESS		not-accessible
	STATUS		obsolete
	DESCRIPTION
		"reserved."
	::= { asQosEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.10.1.1.3
asQosAmrBandWidth OBJECT-TYPE
	SYNTAX		INTEGER
	ACCESS		read-only
	STATUS		obsolete
	DESCRIPTION
		"The value of Qos bandwidth which is   determined by the smaller
		  value of the followings.
		    AMR bandwidth - E1 bandwidth - total EIR bandwidth.
		      Or
		    AMR bandwidth - E1 bandwidth - total CIR bandwidth."
	::= { asQosEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32
asETHCardGroup OBJECT IDENTIFIER
```

```
        ::= { asETHGroup 32 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1
asETHCardTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF AsETHCardEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "ETH Card Status table."
        ::= { asETHCardGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1
asETHCardEntry OBJECT-TYPE
        SYNTAX          AsETHCardEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                ""
        INDEX           { asETHCardNEAddress, asETHCardIndex }
        ::= { asETHCardTable 1 }

AsETHCardEntry ::= SEQUENCE {
        asETHCardIndex          INTEGER,
        asETHCardNEAddress      IpAddress,
        ethAlarm                SeverityValue,
        ethComFailAlarm         SeverityValue,
        ethUnequipped           SeverityValue,
        ethTypeMismatch         SeverityValue,
        ethBusErrorTx           SeverityValue,
        ethBusErrorRx           SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1.1
asETHCardIndex OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index of this table."
        ::= { asETHCardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1.2
asETHCardNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "reserved."
        ::= { asETHCardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1.3
ethAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "GbE Module Alarm."
        ::= { asETHCardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1.4
```

```
ethComFailAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "GbE Communication FAIL Alarm."
      ::= { asETHCardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1.5
ethUnequipped OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "GbE Unequipped Alarm."
      ::= { asETHCardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1.6
ethTypeMismatch OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "GbE Type Mismatch Alarm."
      ::= { asETHCardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1.7
ethBusErrorTx OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "GbE TX Bus Error Alarm."
      ::= { asETHCardEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.13.32.1.1.8
ethBusErrorRx OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "GbE RX Bus Error Alarm."
      ::= { asETHCardEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14
asCommonGroup OBJECT IDENTIFIER
      ::= { alarmStatusGroup 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.1
iduCommonTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF IduCommonEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Equipment Configuration Status Table."
      ::= { asCommonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.1.1
iduCommonEntry OBJECT-TYPE
      SYNTAX          IduCommonEntry
```

```
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { iduCommonNEAddress, iduCommonIndex }
    ::= { iduCommonTable 1 }

IduCommonEntry ::= SEQUENCE {
    iduCommonIndex          INTEGER,
    iduCommonNEAddress    IpAddress,
    equipConfigStatus     INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.1.1.1
iduCommonIndex OBJECT-TYPE
    SYNTAX          INTEGER { iduCommon(1) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { iduCommonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.1.1.2
iduCommonNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reseved"
    ::= { iduCommonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.1.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.2
asCommonTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsCommonEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Installed Card Status table."
    ::= { asCommonGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.2.1
asCommonEntry OBJECT-TYPE
    SYNTAX          AsCommonEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asCommonNEAddress, asCommonIndex }
    ::= { asCommonTable 1 }
```

```
AsCommonEntry ::= SEQUENCE {
    asCommonIndex              INTEGER,
    asCommonNEAddress          IpAddress,
    asUserInterface            INTEGER,
    asConfigStatus             INTEGER,
    asClk2mType                INTEGER,
    asClk2mConfigStatus        INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.2.1.1
asCommonIndex OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table. The value is equivalent to the slot number
         + 1."
    ::= { asCommonEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.2.1.2
asCommonNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { asCommonEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.2.1.3
asUserInterface OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), notUsed(1), modem(2), e1(3),
                    gbex4p(6), mse(9), aux(11), stm1x2p(12), clk2m(13),
                    ps(14), fan(15), main(17), ptp(18), modemE(19),
                    unknown(99) }
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Installed card type."
    ::= { asCommonEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.2.1.4
asConfigStatus OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), unequipped(1), configured(2),
                    unconfigured(3), mismatch(4) }
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Configuration status of installed card. The value is determined
         from provisioned card type and installed card type."
    ::= { asCommonEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.2.1.5
asClk2mType OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), notUsed(1), clk2m(2), unknown(99) }
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Installed CLK type."
    ::= { asCommonEntry 5 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.14.2.1.6
asClk2mConfigStatus OBJECT-TYPE
    SYNTAX         INTEGER { invalid(0), unequipped(1), configured(2),
                     unconfigured(3), mismatch(4) }
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "Configuration status of CLK card. The value is determined from
         provisioned CLK type and installed CLK type."
    ::= { asCommonEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33
asProtectionGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 33 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1
asStm1ApsTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF AsStm1ApsEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "APS Status Table. This table is created automatically when the
         APS is configured."
    ::= { asProtectionGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1.1
asStm1ApsEntry OBJECT-TYPE
    SYNTAX         AsStm1ApsEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    INDEX          { asStm1ApsNEAddress, asStm1ApsIfIndex }
    ::= { asStm1ApsTable 1 }

AsStm1ApsEntry ::= SEQUENCE {
    asStm1ApsIfIndex          InterfaceIndex,
    asStm1ApsNEAddress          IpAddress,
    apsProtectionStatusCh1    INTEGER,
    apsProtectionStatusCh2    INTEGER,
    apsOnlineStatus           INTEGER,
    apsLockinStatus           INTEGER,
    apsSwStatus                 INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1.1.1
asStm1ApsIfIndex OBJECT-TYPE
    SYNTAX         InterfaceIndex
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asStm1ApsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1.1.2
asStm1ApsNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "reserved."
    ::= { asStm1ApsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1.1.3
apsProtectionStatusCh1 OBJECT-TYPE
    SYNTAX         INTEGER { fs(1), sf(2), sd(3), ms(4), nr(5) }
    ACCESS          read-only
    STATUS         mandatory
    DESCRIPTION
        "APS Protection Status for Ch1"
    ::= { asStm1ApsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1.1.4
apsProtectionStatusCh2 OBJECT-TYPE
    SYNTAX         INTEGER { fs(1), sf(2), sd(3), ms(4), nr(5) }
    ACCESS          read-only
    STATUS         mandatory
    DESCRIPTION
        "APS Protection Status for Ch2"
    ::= { asStm1ApsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1.1.5
apsOnlineStatus OBJECT-TYPE
    SYNTAX         INTEGER { work(1), protection(2) }
    ACCESS          read-only
    STATUS         mandatory
    DESCRIPTION
        "APS Online Status"
    ::= { asStm1ApsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1.1.6
apsLockinStatus OBJECT-TYPE
    SYNTAX         INTEGER { normal(1), lockin(2) }
    ACCESS          read-only
    STATUS         mandatory
    DESCRIPTION
        "APS Lockin Status"
    ::= { asStm1ApsEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.33.1.1.7
apsSwStatus OBJECT-TYPE
    SYNTAX         INTEGER { work(1), protection(2) }
    ACCESS          read-only
    STATUS         mandatory
    DESCRIPTION
        "APS Switch Status"
    ::= { asStm1ApsEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.45
asLicenseGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 45 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.45.1
asLicenseAlarmTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF AsLicenseAlarmEntry
    ACCESS          not-accessible
    STATUS         mandatory
    DESCRIPTION
        "License Alarm Table."
    ::= { asLicenseGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.45.1.1
asLicenseAlarmEntry OBJECT-TYPE
    SYNTAX        AsLicenseAlarmEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX         { asLicenseAlarmNEAddress, asLicenseAlarmIndex }
    ::= { asLicenseAlarmTable 1 }

AsLicenseAlarmEntry ::= SEQUENCE {
    asLicenseAlarmIndex            INTEGER,
    asLicenseAlarmNEAddress        IpAddress,
    asLicenseAlarm                 SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.45.1.1.1
asLicenseAlarmIndex OBJECT-TYPE
    SYNTAX        INTEGER (1)
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asLicenseAlarmEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.45.1.1.2
asLicenseAlarmNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { asLicenseAlarmEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.45.1.1.3
asLicenseAlarm OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "License Alarm.
         The alarm will be asserted when the configuration and install
         license are mismatch. The following operations can be trigger the
         alarm.
           - license downgrade
           - multiple chassis configuration (2U XPIC)
         The alarm will be cleared when the conditions mentioned above are
         cleared."
    ::= { asLicenseAlarmEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7
inventoryGroup OBJECT IDENTIFIER
    ::= { pasoNeoIpe-common 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1
invCardInfoGroup OBJECT IDENTIFIER
    ::= { inventoryGroup 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1
invMainInfoTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF InvMainInfoEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Equipment Inventory Information (IDU) - Main Board / Ctrl Card"
    ::= { invCardInfoGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1
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,
    invMainManufacturedDate         DisplayString,
    invMainFirmVersion              DisplayString,
    invMainFirmVersionUncurrent     DisplayString,
    invMainCardHardVersion          DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.1
invMainInfoIndex OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invMainInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.2
invMainInfoNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { invMainInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.3
invMainName OBJECT-TYPE
    SYNTAX        DisplayString
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Name."
    ::= { invMainInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.4
invMainCodeNo OBJECT-TYPE
```

```
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Code No."
    ::= { invMainInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.5
invMainSerialNo OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(1..8))
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Serial No."
    ::= { invMainInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.6
invMainManufacturedDate OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Manufactured Date"
    ::= { invMainInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.7
invMainFirmVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Firmware Version."
    ::= { invMainInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.8
invMainFirmVersionUncurrent OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Firmware Version (Uncurrent)."
    ::= { invMainInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.1.1.9
invMainCardHardVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Main Board / Ctrl Card Hardware Version."
    ::= { invMainInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2
invCardInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF InvCardInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Equipment Inventory Information (IDU) - Option / Universal Card"
    ::= { invCardInfoGroup 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1
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,
    invCardFirmVersion               DisplayString,
    invCardHardVersion               DisplayString,
    invCardFirmVersionUncurrent      DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.1
invCardInfoIndex OBJECT-TYPE
    SYNTAX         INTEGER
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invCardInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.2
invCardInfoNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "reserved"
    ::= { invCardInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.4
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 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.7
invCardFirmVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Card Firmware Version. when the card is removed, the value will
         be changed to '**'."
    ::= { invCardInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.8
invCardHardVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Card Hardware Version. when the card is removed, the value will
         be changed to '**'."
    ::= { invCardInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.1.2.1.9
invCardFirmVersionUncurrent OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Card Firmware Version (uncurrent side). When the card is
         removed, the value will be changed to '**'."
    ::= { invCardInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.2
invFPGAInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF InvFPGAInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Equipment Inventory Information (IDU) - FPGA"
    ::= { inventoryGroup 2 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.2.1.1
invFPGAInfoIndex OBJECT-TYPE
      SYNTAX          INTEGER
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { invFPGAInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.2.1.2
invFPGAInfoNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved."
      ::= { invFPGAInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.2.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.2.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.2.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3
invModuleInfoOduTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF InvModuleInfoOduEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Equipment Inventory Information (ODU)"
    ::= { inventoryGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1
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,
    invOduProvRangeATPCMax                        INTEGER,
    invOduProvRangeATPCMin                       INTEGER,
    invOduProvRangeMTPCMax                        INTEGER,
    invOduProvRangeMTPCMin                        INTEGER,
    invOduProvRangeRxThresholdMax               INTEGER,
    invOduProvRangeRxThresholdMin              INTEGER,
    invOduProvRangeHysteresisPermit          INTEGER,
    invOduProvRangeHysteresisMax               INTEGER,
    invOduProvRangeHysteresisMin              INTEGER,
    invOduFreqInfoTxStartFrequency           DisplayString,
    invOduFreqInfoTxStopFrequency              DisplayString,
    invOduFreqInfoRxStartFrequency            DisplayString,
    invOduFreqInfoRxStopFrequency              DisplayString,
    invOduFreqInfoFrequencyStep                DisplayString,
    invOduFreqInfoShiftFrequency             DisplayString,
    invOduFreqInfoUpperLower                  INTEGER,
    invOduFreqInfoTxPhase                     INTEGER,
    invOduFreqInfoRxPhase                      INTEGER,
    invOduFreqInfoSubBand                      DisplayString,
    invOduFreqInfoTxRxIndependence            INTEGER,
    invOduFreqInfoSupportedIpe               INTEGER,
    invOduFreqInfoSubBand1                      DisplayString,
    invOduFreqInfoSubBand2                      DisplayString,
    invOduFreqInfoSubBand3                      DisplayString,
    invOduFreqInfoSubBand4                      DisplayString,
    invOduFreqInfoSubBand5              DisplayString,
    invOduFreqInfoSubBand6              DisplayString,
    invOduFreqInfoSubBand7              DisplayString,
    invOduFreqInfoSubBand8              DisplayString,
    invOduFreqInfoSubBand9              DisplayString,
    invOduFreqInfoSubBand10             DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.1
invModuleInfoOduIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invModuleInfoOduEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.2
invModuleInfoOduNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { invModuleInfoOduEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.9
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.10
invOduProvRangeATPCMax OBJECT-TYPE
    SYNTAX         INTEGER
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "ODU Frequency Information - Range ATPC MAX (dbm)"
    ::= { invModuleInfoOduEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.11
invOduProvRangeATPCMin OBJECT-TYPE
    SYNTAX         INTEGER
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "ODU Frequency Information - Range ATPC MIN (dbm)"
    ::= { invModuleInfoOduEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.12
invOduProvRangeMTPCMax OBJECT-TYPE
    SYNTAX         INTEGER
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
```

```
            "ODU Frequency Information - Range MTPC MAX (dbm)"
        ::= { invModuleInfoOduEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.13
invOduProvRangeMTPCMin OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU Frequency Information - Range MTPC MIN (dbm)"
        ::= { invModuleInfoOduEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.14
invOduProvRangeRxThresholdMax OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU Frequency Information - Range RX Threshold MAX (dbm)"
        ::= { invModuleInfoOduEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.15
invOduProvRangeRxThresholdMin OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU Frequency Information - Range RX Threshold MIN (dbm)"
        ::= { invModuleInfoOduEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.16
invOduProvRangeHysteresisPermit OBJECT-TYPE
        SYNTAX          INTEGER { deny(0), permit(255) }
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU Frequency Information - Range Hysteresis Permit"
        ::= { invModuleInfoOduEntry 16 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.17
invOduProvRangeHysteresisMax OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU Range Hysteresis MAX (dB)"
        ::= { invModuleInfoOduEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.18
invOduProvRangeHysteresisMin OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ODU Range Hysteresis MIN (dB)"
        ::= { invModuleInfoOduEntry 18 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.19
invOduFreqInfoTxStartFrequency OBJECT-TYPE
        SYNTAX          DisplayString
```

```
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - TX Start Frequency (MHz)"
    ::= { invModuleInfoOduEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.20
invOduFreqInfoTxStopFrequency OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - TX Stop Frequency (MHz)"
    ::= { invModuleInfoOduEntry 20 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.21
invOduFreqInfoRxStartFrequency OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - RX Start Frequency (MHz)"
    ::= { invModuleInfoOduEntry 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.22
invOduFreqInfoRxStopFrequency OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - RX Stop Frequency (MHz)"
    ::= { invModuleInfoOduEntry 22 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.23
invOduFreqInfoFrequencyStep OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - Frequency Step (MHz)"
    ::= { invModuleInfoOduEntry 23 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.24
invOduFreqInfoShiftFrequency OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - Shift Frequency (MHz)"
    ::= { invModuleInfoOduEntry 24 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.25
invOduFreqInfoUpperLower OBJECT-TYPE
    SYNTAX          INTEGER { lower(1), upper(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - Upper / Lower"
    ::= { invModuleInfoOduEntry 25 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.26
invOduFreqInfoTxPhase OBJECT-TYPE
    SYNTAX          INTEGER { forward(1), reverse(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - TX Phase"
    ::= { invModuleInfoOduEntry 26 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.27
invOduFreqInfoRxPhase OBJECT-TYPE
    SYNTAX          INTEGER { forward(1), reverse(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - RX Phase"
    ::= { invModuleInfoOduEntry 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.28
invOduFreqInfoSubBand OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - Sub Band"
    ::= { invModuleInfoOduEntry 28 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.29
invOduFreqInfoTxRxIndependence OBJECT-TYPE
    SYNTAX          INTEGER { notIndependence(1), independence(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - TX / RX Independence"
    ::= { invModuleInfoOduEntry 29 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.30
invOduFreqInfoSupportedIpe OBJECT-TYPE
    SYNTAX          INTEGER { notSupported(1), supported(2) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - Supported iPASOLINK"
    ::= { invModuleInfoOduEntry 30 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.31
invOduFreqInfoSubBand1 OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - Sub Band 01"
    ::= { invModuleInfoOduEntry 31 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.32
invOduFreqInfoSubBand2 OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
```

```
          "ODU Frequency Information - Sub Band 02"
      ::= { invModuleInfoOduEntry 32 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.33
invOduFreqInfoSubBand3 OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS           read-only
      STATUS          mandatory
      DESCRIPTION
          "ODU Frequency Information - Sub Band 03"
      ::= { invModuleInfoOduEntry 33 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.34
invOduFreqInfoSubBand4 OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS           read-only
      STATUS          mandatory
      DESCRIPTION
          "ODU Frequency Information - Sub Band 04"
      ::= { invModuleInfoOduEntry 34 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.35
invOduFreqInfoSubBand5 OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS           read-only
      STATUS          mandatory
      DESCRIPTION
          "ODU Frequency Information - Sub Band 05"
      ::= { invModuleInfoOduEntry 35 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.36
invOduFreqInfoSubBand6 OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS           read-only
      STATUS          mandatory
      DESCRIPTION
          "ODU Frequency Information - Sub Band 06"
      ::= { invModuleInfoOduEntry 36 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.37
invOduFreqInfoSubBand7 OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS           read-only
      STATUS          mandatory
      DESCRIPTION
          "ODU Frequency Information - Sub Band 07"
      ::= { invModuleInfoOduEntry 37 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.38
invOduFreqInfoSubBand8 OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS           read-only
      STATUS          mandatory
      DESCRIPTION
          "ODU Frequency Information - Sub Band 08"
      ::= { invModuleInfoOduEntry 38 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.39
invOduFreqInfoSubBand9 OBJECT-TYPE
      SYNTAX          DisplayString
```

```
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - Sub Band 09"
    ::= { invModuleInfoOduEntry 39 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.3.1.40
invOduFreqInfoSubBand10 OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "ODU Frequency Information - Sub Band 10"
    ::= { invModuleInfoOduEntry 40 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.4
invUpdateInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF InvUpdateInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Inventory Update Information"
    ::= { inventoryGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.4.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.4.1.1
invUpdateInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invUpdateInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.4.1.2
invUpdateInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { invUpdateInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.4.1.3
invUpdateInfoSummary OBJECT-TYPE
```

```
    SYNTAX         OCTET STRING (SIZE(12 | 20))
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "Inventory Update Information Summary"
    ::= { invUpdateInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5
invSfpInfoTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF InvSfpInfoEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "SFP / XFP Information"
    ::= { inventoryGroup 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1
invSfpInfoEntry OBJECT-TYPE
    SYNTAX         InvSfpInfoEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    INDEX          { invSfpInfoNEAddress, invSfpInfoIfIndex }
    ::= { invSfpInfoTable 1 }

InvSfpInfoEntry ::= SEQUENCE {
    invSfpInfoIfIndex              InterfaceIndex,
    invSfpInfoNEAddress            IpAddress,
    invSfpVendorName               DisplayString,
    invSfpVendorPn                 DisplayString,
    invSfpVendorVer                DisplayString,
    invSfpVendorSn                 DisplayString,
    invSfpType                     DisplayString,
    invSfpManufacturedDate         DisplayString,
    invSfpSupportedWavelength      DisplayString,
    invSfpSupportedLinkLength      DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.1
invSfpInfoIfIndex OBJECT-TYPE
    SYNTAX         InterfaceIndex
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invSfpInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.2
invSfpInfoNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "reserved."
    ::= { invSfpInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.3
invSfpVendorName OBJECT-TYPE
    SYNTAX         DisplayString
```

```
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Vendor Name"
        ::= { invSfpInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.4
invSfpVendorPn OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Part Number"
        ::= { invSfpInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.5
invSfpVendorVer OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Vendor Revision Number"
        ::= { invSfpInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.6
invSfpVendorSn OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Vendor Serial Number"
        ::= { invSfpInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.7
invSfpType OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "SFP Type"
        ::= { invSfpInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.8
invSfpManufacturedDate OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "SFP Manufactured Date"
        ::= { invSfpInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.9
invSfpSupportedWavelength OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Wavelength supported by SFP/XFP/SFP+.
                 If the SFP media type is not optical, this object will show the
                 value '0'."
```

```
    ::= { invSfpInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.5.1.10
invSfpSupportedLinkLength OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Link length supported by SFP/XFP/SFP+."
    ::= { invSfpInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6
invSoftkeyInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF InvSoftkeyInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Software Key Information."
    ::= { inventoryGroup 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1
invSoftkeyInfoEntry OBJECT-TYPE
    SYNTAX          InvSoftkeyInfoEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { invSoftkeyInfoNEAddress, invSoftkeyInfoIndex }
    ::= { invSoftkeyInfoTable 1 }

InvSoftkeyInfoEntry ::= SEQUENCE {
    invSoftkeyInfoIndex             INTEGER,
    invSoftkeyInfoNEAddress         IpAddress,
    invSoftkeySerialNo              DisplayString,
    invSupportabilityInfoFw         OCTET STRING,
    invSupportabilityInfoKey        OCTET STRING,
    invSupportabilityInfoValid      OCTET STRING,
    invCapa10MaxE1Rst               OCTET STRING,
    invCapa20MaxE1Rst               OCTET STRING,
    invCapa50MaxE1Rst               OCTET STRING,
    invCapa100MaxE1Rst              OCTET STRING,
    invCapa150MaxE1Rst              OCTET STRING,
    invCapa200MaxE1Rst              OCTET STRING,
    invCapa300MaxE1Rst              OCTET STRING,
    invCapa400MaxE1Rst              OCTET STRING
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.1
invSoftkeyInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invSoftkeyInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.2
invSoftkeyInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
```

```
      STATUS          mandatory
      DESCRIPTION
            "reserved"
      ::= { invSoftkeyInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.3
invSoftkeySerialNo OBJECT-TYPE
      SYNTAX          DisplayString
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Software Key Serial No."
      ::= { invSoftkeyInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.4
invSupportabilityInfoFw OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(32 | 40 | 68))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Supportability (Firmware)"
      ::= { invSoftkeyInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.5
invSupportabilityInfoKey OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(32 | 40 | 68))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Supportability (Software Key)"
      ::= { invSoftkeyInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.6
invSupportabilityInfoValid OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(32 | 40 | 68))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Supportability (Current)"
      ::= { invSoftkeyInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.7
invCapa10MaxE1Rst OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(160 | 192))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Maximum Available E1/RST Connections for 10M Capacity."
      ::= { invSoftkeyInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.8
invCapa20MaxE1Rst OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(160 | 192))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Maximum Available E1/RST Connections for 20M Capacity."
      ::= { invSoftkeyInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.9
```

```
invCapa50MaxE1Rst OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(160 | 192))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Maximum Available E1/RST Connections for 50M Capacity."
      ::= { invSoftkeyInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.10
invCapa100MaxE1Rst OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(160 | 192))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Maximum Available E1/RST Connections for 100M Capacity."
      ::= { invSoftkeyInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.11
invCapa150MaxE1Rst OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(160 | 192))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Maximum Available E1/RST Connections for 150M Capacity."
      ::= { invSoftkeyInfoEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.12
invCapa200MaxE1Rst OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(160 | 192))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Maximum Available E1/RST Connections for 200M Capacity."
      ::= { invSoftkeyInfoEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.13
invCapa300MaxE1Rst OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(160 | 192))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Maximum Available E1/RST Connections for 300M Capacity."
      ::= { invSoftkeyInfoEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.6.1.14
invCapa400MaxE1Rst OBJECT-TYPE
      SYNTAX          OCTET STRING (SIZE(160 | 192))
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "Maximum Available E1/RST Connections for 400M Capacity."
      ::= { invSoftkeyInfoEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1
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,
        invClk2mFPGAName                        DisplayString,
        invClk2mFPGACodeNo                      DisplayString,
        invClk2mFPGAHardVersion                 DisplayString,
        invClk2mCardHardVersion                 DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.1
invClk2mInfoIndex OBJECT-TYPE
        SYNTAX          INTEGER { extclk(1) }
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index of this table."
        ::= { invClk2mInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.2
invClk2mInfoNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "reserved."
        ::= { invClk2mInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.3
invClk2mCardName OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Name"
        ::= { invClk2mInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.4
invClk2mCardCodeNo OBJECT-TYPE
        SYNTAX          DisplayString
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "Code No."
```

```
    ::= { invClk2mInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.5
invClk2mCardSerialNo OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Serial No."
    ::= { invClk2mInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.6
invClk2mCardManufacturedDate OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Manufactured Date"
    ::= { invClk2mInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.7
invClk2mFPGAName OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "FPGA Name"
    ::= { invClk2mInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.8
invClk2mFPGACodeNo OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "FPGA Code No."
    ::= { invClk2mInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.9
invClk2mFPGAHardVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "FPGA Version."
    ::= { invClk2mInfoEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.7.1.10
invClk2mCardHardVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Hardware Version."
    ::= { invClk2mInfoEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.8
invMacAddressInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF InvMacAddressInfoEntry
    ACCESS          not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Equipment Inventory Information - Mac Address Information"
    ::= { inventoryGroup 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.8.1
invMacAddressInfoEntry OBJECT-TYPE
    SYNTAX        InvMacAddressInfoEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX        { invMacAddressInfoNEAddress, invMacAddressInfoIfIndex }
    ::= { invMacAddressInfoTable 1 }

InvMacAddressInfoEntry ::= SEQUENCE {
    invMacAddressInfoIfIndex      InterfaceIndex,
    invMacAddressInfoNEAddress    IpAddress,
    invMacAddress                 MacAddress
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.8.1.1
invMacAddressInfoIfIndex OBJECT-TYPE
    SYNTAX        InterfaceIndex
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invMacAddressInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.8.1.2
invMacAddressInfoNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved"
    ::= { invMacAddressInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.8.1.3
invMacAddress OBJECT-TYPE
    SYNTAX        MacAddress
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Mac Address which assigned to that port."
    ::= { invMacAddressInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.9
invModemParamInfoTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF InvModemParamInfoEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Equipment Inventory Information (IDU) - MODEM Parameter"
    ::= { inventoryGroup 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.9.1
invModemParamInfoEntry OBJECT-TYPE
    SYNTAX        InvModemParamInfoEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    INDEX          { invModemParamInfoNEAddress, invModemParamInfoIfIndex }
    ::= { invModemParamInfoTable 1 }

InvModemParamInfoEntry ::= SEQUENCE {
    invModemParamInfoIfIndex       InterfaceIndex,
    invModemParamInfoNEAddress     IpAddress,
    invModemParamVersion           DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.9.1.1
invModemParamInfoIfIndex OBJECT-TYPE
    SYNTAX         InterfaceIndex
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invModemParamInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.9.1.2
invModemParamInfoNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "reserved."
    ::= { invModemParamInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.9.1.3
invModemParamVersion OBJECT-TYPE
    SYNTAX         DisplayString
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "Parameter Information"
    ::= { invModemParamInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10
invChassisInfoTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF InvChassisInfoEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Equipment Inventory Information (IDU) - Chassis"
    ::= { inventoryGroup 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1
invChassisInfoEntry OBJECT-TYPE
    SYNTAX         InvChassisInfoEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    INDEX          { invChassisInfoNEAddress, invChassisInfoIndex }
    ::= { invChassisInfoTable 1 }

InvChassisInfoEntry ::= SEQUENCE {
    invChassisInfoIndex             INTEGER,
    invChassisInfoNEAddress         IpAddress,
    invChassisName                  DisplayString,
    invChassisCodeNo                DisplayString,
    invChassisSerialNo              DisplayString,
    invChassisManufacturedDate      DisplayString,
    invChassisFirmVersion           DisplayString,
    invChassisHardVersion           DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1.1
invChassisInfoIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { invChassisInfoEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1.2
invChassisInfoNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { invChassisInfoEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1.3
invChassisName OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Name"
    ::= { invChassisInfoEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1.4
invChassisCodeNo OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Code No."
    ::= { invChassisInfoEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1.5
invChassisSerialNo OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(1..8))
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Serial No."
    ::= { invChassisInfoEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1.6
invChassisManufacturedDate OBJECT-TYPE
    SYNTAX          DisplayString (SIZE(1..7))
    ACCESS          read-write
    STATUS          mandatory
    DESCRIPTION
        "Manufactured Date"
    ::= { invChassisInfoEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1.7
invChassisFirmVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Firmware Version"
    ::= { invChassisInfoEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.7.10.1.8
invChassisHardVersion OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Hardware Version"
    ::= { invChassisInfoEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8
meteringGroup OBJECT IDENTIFIER
    ::= { pasoNeoIpe-common 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1
meteringTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF MeteringEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "MODEM TX / RX Metering Table."
    ::= { meteringGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1
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,
    metSysTempODUStatus             ValidInvalidValue,
    metSysTempODUValue              DisplayString,
    metSysTempIDUStatus             ValidInvalidValue,
    metSysTempIDUValue              DisplayString,
    metSysBitErrorRateStatus        INTEGER,
    metSysBitErrorRateValue         DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.1
meteringIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "index of this table."
    ::= { meteringEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.2
meteringNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { meteringEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.3
metSysTxPowerStatus OBJECT-TYPE
    SYNTAX          ValidInvalidValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM TX Power Status."
    ::= { meteringEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.4
metSysTxPowerValue OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM TX Power"
    ::= { meteringEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.5
metSysRxLevelStatus OBJECT-TYPE
    SYNTAX          ValidInvalidValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM RX Power Status"
    ::= { meteringEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.6
metSysRxLevelValue OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM RX Power"
    ::= { meteringEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.7
metSysPSVoltageStatus OBJECT-TYPE
    SYNTAX          ValidInvalidValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM ODU Power Supply Status"
    ::= { meteringEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.8
metSysPSVoltageValue OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM ODU Power Supply"
    ::= { meteringEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.9
metSysTempODUStatus OBJECT-TYPE
    SYNTAX          ValidInvalidValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM ODU Temperature Status"
    ::= { meteringEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.10
metSysTempODUValue OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM ODU Temperature"
    ::= { meteringEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.11
metSysTempIDUStatus OBJECT-TYPE
    SYNTAX          ValidInvalidValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "IDU Temperature Status"
    ::= { meteringEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.12
metSysTempIDUValue OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "IDU Temperature"
    ::= { meteringEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.13
metSysBitErrorRateStatus OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MODEM BER Status"
    ::= { meteringEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.1.1.14
```

```
metSysBitErrorRateValue OBJECT-TYPE
    SYNTAX         DisplayString
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "MODEM BER"
    ::= { meteringEntry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3
meteringFanTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF MeteringFanEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "FAN Metering Table."
    ::= { meteringGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1.1
meteringFanSlotIndex OBJECT-TYPE
    SYNTAX         INTEGER
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Index of this table."
    ::= { meteringFanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1.2
meteringFanNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "reserved."
    ::= { meteringFanEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1.3
meteringFanSpeed1 OBJECT-TYPE
    SYNTAX         DisplayString
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "FAN1 Rotation Speed"
    ::= { meteringFanEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1.4
meteringFanSpeed1Status OBJECT-TYPE
    SYNTAX         ValidInvalidValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "FAN1 Rotation Speed Status"
    ::= { meteringFanEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1.5
meteringFanSpeed2 OBJECT-TYPE
    SYNTAX         DisplayString
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "FAN2 Rotation Speed"
    ::= { meteringFanEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1.6
meteringFanSpeed2Status OBJECT-TYPE
    SYNTAX         ValidInvalidValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "FAN2 Rotation Speed Status"
    ::= { meteringFanEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1.7
meteringFanSpeed3 OBJECT-TYPE
    SYNTAX         DisplayString
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "FAN3 Rotation Speed"
    ::= { meteringFanEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.8.3.1.8
meteringFanSpeed3Status OBJECT-TYPE
    SYNTAX         ValidInvalidValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "FAN3 Rotation Speed Status"
    ::= { meteringFanEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9
pmonGroup OBJECT IDENTIFIER
    ::= { pasoNeoIpe-common 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.1
pmon15minDataRadioGroup OBJECT IDENTIFIER
    ::= { pmonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.1.1
pmon15minDataRadioTable OBJECT-TYPE
```

```
    SYNTAX          SEQUENCE OF Pmon15minDataRadioEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "PMON MODEM 15min RF Monitoring Table"
    ::= { pmon15minDataRadioGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.1.1.1
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        IpeStatsInfo,
    pmon15minDataRfValue                INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.1.1.1.1
pmon15minDataModemIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon15minDataRadioEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.1.1.1.2
pmon15minDataModemMonitorName OBJECT-TYPE
    SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEF(4),
                      pmonUAS(5), pmonOFS(6) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item."
    ::= { pmon15minDataRadioEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.1.1.1.3
pmon15minDataRadioNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon15minDataRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.1.1.1.4
pmon15minDataModemStatusInfo OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
```

```
            "PMON MODEM 15min RF Monitoring Status"
        ::= { pmon15minDataRadioEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.1.1.1.5
    pmon15minDataRfValue OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PMON MODEM 15min RF Monitoring Value"
        ::= { pmon15minDataRadioEntry 5 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2
    pmon15minDataCableGroup OBJECT IDENTIFIER
        ::= { pmonGroup 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1
    pmon15minDataThroughModeGroup OBJECT IDENTIFIER
        ::= { pmon15minDataCableGroup 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.1
    pmon15minDataTmRsTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF Pmon15minDataTmRsEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "PMON STM-1 15min (Through Mode) RS Monitoring Table"
        ::= { pmon15minDataThroughModeGroup 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.1.1
    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
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.1.1.1
    pmon15minDataTmRsIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table."
        ::= { pmon15minDataTmRsEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.1.1.2
    pmon15minDataTmRsMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEF(4),
                         pmonUAS(5), pmonOFS(6) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "index of this table. The value represents the monitoring item."
    ::= { pmon15minDataTmRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.1.1.3
pmon15minDataTmRsNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon15minDataTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.1.1.4
pmon15minDataTmRsStatusInfo OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 15min (Through Mode) RS Monitoring Status."
    ::= { pmon15minDataTmRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.1.1.5
pmon15minDataTmRsValue OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 15min (Through Mode) RS Monitoring Status"
    ::= { pmon15minDataTmRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.2.1
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          IpeStatsInfo,
    pmon15minDataTmDMRRsValue                 INTEGER
```

```
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.2.1.1
pmon15minDataTmDMRRsIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon15minDataTmDMRRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.2.1.2
pmon15minDataTmDMRRsMonitorName OBJECT-TYPE
    SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEF(4),
                      pmonUAS(5), pmonOFS(6) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item."
    ::= { pmon15minDataTmDMRRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.2.1.3
pmon15minDataTmDMRRsNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserverd"
    ::= { pmon15minDataTmDMRRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.2.1.4
pmon15minDataTmDMRRsStatusInfo OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 15min (Through Mode) DMR RS Monitoring Status"
    ::= { pmon15minDataTmDMRRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.1.2.1.5
pmon15minDataTmDMRRsValue OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 15min (Through Mode) DMR RS Monitoring Value"
    ::= { pmon15minDataTmDMRRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2
pmon15minDataChannelizedModeGroup OBJECT IDENTIFIER
    ::= { pmon15minDataCableGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.1
pmon15minDataChRsTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF Pmon15minDataChRsEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 15min (Channelized Mode) RS Monitoring Table"
    ::= { pmon15minDataChannelizedModeGroup 1 }
    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.1.1
    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           IpeStatsInfo,
        pmon15minDataChRsValue                INTEGER
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.1.1.1
    pmon15minDataChRsIfIndex OBJECT-TYPE
        SYNTAX        InterfaceIndex
        ACCESS        not-accessible
        STATUS        mandatory
        DESCRIPTION
            "Index of this table."
        ::= { pmon15minDataChRsEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.1.1.2
    pmon15minDataChRsMonitorName OBJECT-TYPE
        SYNTAX        INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEF(4),
                        pmonUAS(5), pmonOFS(6) }
        ACCESS        not-accessible
        STATUS        mandatory
        DESCRIPTION
            "Index of this table. The value represents the monitoring item."
        ::= { pmon15minDataChRsEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.1.1.3
    pmon15minDataChRsNEAddress OBJECT-TYPE
        SYNTAX        IpAddress
        ACCESS        not-accessible
        STATUS        mandatory
        DESCRIPTION
            "reserved."
        ::= { pmon15minDataChRsEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.1.1.4
    pmon15minDataChRsStatusInfo OBJECT-TYPE
        SYNTAX        IpeStatsInfo
        ACCESS        read-only
        STATUS        mandatory
        DESCRIPTION
            "PMON STM-1 15min (Channelized Mode) RS Monitoring Status"
        ::= { pmon15minDataChRsEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.1.1.5
    pmon15minDataChRsValue OBJECT-TYPE
        SYNTAX        INTEGER
```

```
          ACCESS          read-only
          STATUS          mandatory
          DESCRIPTION
               "PMON STM-1 15min (Channelized Mode) RS Monitoring Value"
          ::= { pmon15minDataChRsEntry 5 }

     -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.2
     pmon15minDataChMsTable OBJECT-TYPE
          SYNTAX          SEQUENCE OF Pmon15minDataChMsEntry
          ACCESS          not-accessible
          STATUS          mandatory
          DESCRIPTION
               "PMON STM-1 15min (Channelized Mode) MS Monitoring Table."
          ::= { pmon15minDataChannelizedModeGroup 2 }

     -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.2.1
     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
     }

     -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.2.1.1
     pmon15minDataChMsIfIndex OBJECT-TYPE
          SYNTAX          InterfaceIndex
          ACCESS          not-accessible
          STATUS          mandatory
          DESCRIPTION
               "Index of this table."
          ::= { pmon15minDataChMsEntry 1 }

     -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.2.1.2
     pmon15minDataChMsMonitorName OBJECT-TYPE
          SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEP(4),
                              pmonUAS(5) }
          ACCESS          not-accessible
          STATUS          mandatory
          DESCRIPTION
               "Index of this table. The value represents the monitoring item"
          ::= { pmon15minDataChMsEntry 2 }

     -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.2.1.3
     pmon15minDataChMsNEAddress OBJECT-TYPE
          SYNTAX          IpAddress
          ACCESS          not-accessible
          STATUS          mandatory
          DESCRIPTION
               "reserved"
```

```
      ::= { pmon15minDataChMsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.2.1.4
pmon15minDataChMsStatusInfo OBJECT-TYPE
      SYNTAX          IpeStatsInfo
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "PMON STM-1 15min (Channelized Mode) MS Monitoring Status."
      ::= { pmon15minDataChMsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.2.2.1.5
pmon15minDataChMsValue OBJECT-TYPE
      SYNTAX          INTEGER
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "PMON STM-1 15min (Channelized Mode) MS Monitoring Value"
      ::= { pmon15minDataChMsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.3
pmon15minData16E1Group OBJECT IDENTIFIER
      ::= { pmon15minDataCableGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.3.1
pmon15minData16E1PdhTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF Pmon15minData16E1PdhEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "PMON E1 15min Monitoring Table"
      ::= { pmon15minData16E1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.3.1.1
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           IpeStatsInfo,
      pmon15minData16E1PdhValue                Counter
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.3.1.1.1
pmon15minData16E1PdhIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { pmon15minData16E1PdhEntry 1 }
```

```
    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.3.1.1.2
    pmon15minData16E1PdhMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { pmonCV(1) }
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. The value represents the monitoring item"
        ::= { pmon15minData16E1PdhEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.3.1.1.3
    pmon15minData16E1PdhNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { pmon15minData16E1PdhEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.3.1.1.4
    pmon15minData16E1PdhStatusInfo OBJECT-TYPE
        SYNTAX          IpeStatsInfo
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PMON E1 15min Monitoring Status"
        ::= { pmon15minData16E1PdhEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.2.3.1.1.5
    pmon15minData16E1PdhValue OBJECT-TYPE
        SYNTAX          Counter
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PMON E1 15min Monitoring Value"
        ::= { pmon15minData16E1PdhEntry 5 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.3
    pmon1dayDataRadioGroup OBJECT IDENTIFIER
        ::= { pmonGroup 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.3.1
    pmon1dayDataRadioTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF Pmon1dayDataRadioEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "PMON MODEM 1 day RF Monitoring Table"
        ::= { pmon1dayDataRadioGroup 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.3.1.1
    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        IpeStatsInfo,
      pmon1dayDataRfValue                     INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.3.1.1.1
pmon1dayDataModemIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { pmon1dayDataRadioEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.3.1.1.2
pmon1dayDataModemMonitorName OBJECT-TYPE
      SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEF(4),
                         pmonUAS(5), pmonOFS(6) }
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table. The value represents the monitoring item"
      ::= { pmon1dayDataRadioEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.3.1.1.3
pmon1dayDataRadioNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved"
      ::= { pmon1dayDataRadioEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.3.1.1.4
pmon1dayDataModemStatusInfo OBJECT-TYPE
      SYNTAX          IpeStatsInfo
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "PMON MODEM 1 day RF Monitoring Status."
      ::= { pmon1dayDataRadioEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.3.1.1.5
pmon1dayDataRfValue OBJECT-TYPE
      SYNTAX          INTEGER
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "PMON MODEM 1 day RF Monitoring Value"
      ::= { pmon1dayDataRadioEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4
pmon1dayDataCableGroup OBJECT IDENTIFIER
      ::= { pmonGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1
```

```
pmon1dayDataThroughModeGroup OBJECT IDENTIFIER
      ::= { pmon1dayDataCableGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.1
pmon1dayDataTmRsTable OBJECT-TYPE
      SYNTAX          SEQUENCE OF Pmon1dayDataTmRsEntry
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "PMON STM-1 1day (Through Mode) RS Monitoring Table"
      ::= { pmon1dayDataThroughModeGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.1.1.1
pmon1dayDataTmRsIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { pmon1dayDataTmRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.1.1.2
pmon1dayDataTmRsMonitorName OBJECT-TYPE
      SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEF(4),
                        pmonUAS(5), pmonOFS(6) }
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table. The value represents the monitoring item"
      ::= { pmon1dayDataTmRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.1.1.3
pmon1dayDataTmRsNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved"
      ::= { pmon1dayDataTmRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.1.1.4
```

```
pmon1dayDataTmRsStatusInfo OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 1day (Through Mode) RS Monitoring Status"
    ::= { pmon1dayDataTmRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.1.1.5
pmon1dayDataTmRsValue OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 1day (Through Mode) RS Monitoring Value"
    ::= { pmon1dayDataTmRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.2.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.2.1.1
pmon1dayDataTmDMRRsIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon1dayDataTmDMRRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.2.1.2
pmon1dayDataTmDMRRsMonitorName OBJECT-TYPE
    SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEF(4),
                      pmonUAS(5), pmonOFS(6) }
    ACCESS          not-accessible
    STATUS          mandatory
```

```
        DESCRIPTION
            "Index of this table. The value represents the monitoring item."
        ::= { pmon1dayDataTmDMRRsEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.2.1.3
    pmon1dayDataTmDMRRsNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { pmon1dayDataTmDMRRsEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.2.1.4
    pmon1dayDataTmDMRRsStatusInfo OBJECT-TYPE
        SYNTAX          IpeStatsInfo
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PMON STM-1 1day (Through Mode) DMR RS Monitoring Status"
        ::= { pmon1dayDataTmDMRRsEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.1.2.1.5
    pmon1dayDataTmDMRRsValue OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PMON STM-1 1day (Through Mode) DMR RS Monitoring Value"
        ::= { pmon1dayDataTmDMRRsEntry 5 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2
    pmon1dayDataChannelizedModeGroup OBJECT IDENTIFIER
        ::= { pmon1dayDataCableGroup 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.1
    pmon1dayDataChRsTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF Pmon1dayDataChRsEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "PMON STM-1 1day (Channelized Mode) RS Monitoring Table"
        ::= { pmon1dayDataChannelizedModeGroup 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.1.1
    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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.1.1.1
pmon1dayDataChRsIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmon1dayDataChRsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.1.1.2
pmon1dayDataChRsMonitorName OBJECT-TYPE
    SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEF(4),
                      pmonUAS(5), pmonOFS(6) }
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The value represents the monitoring item"
    ::= { pmon1dayDataChRsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.1.1.3
pmon1dayDataChRsNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { pmon1dayDataChRsEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.1.1.4
pmon1dayDataChRsStatusInfo OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 1day (Channelized Mode) RS Monitoring Status"
    ::= { pmon1dayDataChRsEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.1.1.5
pmon1dayDataChRsValue OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 1day (Channelized Mode) RS Monitoring Value"
    ::= { pmon1dayDataChRsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.2
pmon1dayDataChMsTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF Pmon1dayDataChMsEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "PMON STM-1 1day (Channelized Mode) MS Monitoring Table"
    ::= { pmon1dayDataChannelizedModeGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.2.1
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          IpeStatsInfo,
        pmon1dayDataChMsValue               INTEGER
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.2.1.1
    pmon1dayDataChMsIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table."
        ::= { pmon1dayDataChMsEntry 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.2.1.2
    pmon1dayDataChMsMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { pmonBBE(1), pmonES(2), pmonSES(3), pmonSEP(4),
                            pmonUAS(5) }
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. The value represents the monitoring item"
        ::= { pmon1dayDataChMsEntry 2 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.2.1.3
    pmon1dayDataChMsNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { pmon1dayDataChMsEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.2.1.4
    pmon1dayDataChMsStatusInfo OBJECT-TYPE
        SYNTAX          IpeStatsInfo
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PMON STM-1 1day (Channelized Mode) MS Monitoring Status"
        ::= { pmon1dayDataChMsEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.2.2.1.5
    pmon1dayDataChMsValue OBJECT-TYPE
        SYNTAX          INTEGER
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
```

```
            "PMON STM-1 1day (Channelized Mode) MS Monitoring Value"
        ::= { pmon1dayDataChMsEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.3
pmon1dayData16E1Group OBJECT IDENTIFIER
        ::= { pmon1dayDataCableGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.3.1
pmon1dayData16E1PdhTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF Pmon1dayData16E1PdhEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "PMON E1 1day Monitoring Table"
        ::= { pmon1dayData16E1Group 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.3.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.3.1.1.1
pmon1dayData16E1PdhIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table."
        ::= { pmon1dayData16E1PdhEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.3.1.1.2
pmon1dayData16E1PdhMonitorName OBJECT-TYPE
        SYNTAX          INTEGER { pmonCV(1) }
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table. The value represents the monitoring item."
        ::= { pmon1dayData16E1PdhEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.3.1.1.3
pmon1dayData16E1PdhNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved"
        ::= { pmon1dayData16E1PdhEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.3.1.1.4
    pmon1dayData16E1PdhStatusInfo OBJECT-TYPE
        SYNTAX          IpeStatsInfo
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PMON E1 1day Monitoring Status"
        ::= { pmon1dayData16E1PdhEntry 4 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.9.4.3.1.1.5
    pmon1dayData16E1PdhValue OBJECT-TYPE
        SYNTAX          Counter
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PMON E1 1day Monitoring Value"
        ::= { pmon1dayData16E1PdhEntry 5 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.10
    pmonTxRxLevGroup OBJECT IDENTIFIER
        ::= { pasoNeoIpe-common 10 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.1
    pmonTxRxLev15minCurrentDataTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF PmonTxRxLev15minCurrentDataEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "PMON ODU 15min RX Level Monitoring Table"
        ::= { pmonTxRxLevGroup 1 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.1.1
    pmonTxRxLev15minCurrentDataEntry OBJECT-TYPE
        SYNTAX          PmonTxRxLev15minCurrentDataEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            ""
        INDEX           { pmonTxRxLev15minCurrentDataNEAddress,
pmonTxRxLev15minCurrentDataIfIndex }
        ::= { pmonTxRxLev15minCurrentDataTable 1 }

    PmonTxRxLev15minCurrentDataEntry ::= SEQUENCE {
        pmonTxRxLev15minCurrentDataIfIndex          InterfaceIndex,
        pmonTxRxLev15minCurrentDataNEAddress        IpAddress,
        pmonTxRxLev15minCurrentDataStatusInfo       IpeStatsInfo,
        pmonTxRxLev15minRxLevelMaxCurrentData       DisplayString,
        pmonTxRxLev15minRxLevelMinCurrentData       DisplayString
    }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.1.1.1
    pmonTxRxLev15minCurrentDataIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table."
        ::= { pmonTxRxLev15minCurrentDataEntry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.1.1.2
pmonTxRxLev15minCurrentDataNEAddress OBJECT-TYPE
    SYNTAX         IpAddress
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "reserved"
    ::= { pmonTxRxLev15minCurrentDataEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.1.1.3
pmonTxRxLev15minCurrentDataStatusInfo OBJECT-TYPE
    SYNTAX         IpeStatsInfo
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "PMON ODU 15min RX Level Status"
    ::= { pmonTxRxLev15minCurrentDataEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.1.1.4
pmonTxRxLev15minRxLevelMaxCurrentData OBJECT-TYPE
    SYNTAX         DisplayString
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "PMON ODU 15min RX Level (MAX)"
    ::= { pmonTxRxLev15minCurrentDataEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.1.1.5
pmonTxRxLev15minRxLevelMinCurrentData OBJECT-TYPE
    SYNTAX         DisplayString
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "PMON ODU 15min RX Level (MIN)"
    ::= { pmonTxRxLev15minCurrentDataEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.2
pmonTxRxLev1dayCurrentDataTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF PmonTxRxLev1dayCurrentDataEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "PMON ODU 1day RX Level Monitoring Table"
    ::= { pmonTxRxLevGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.2.1
pmonTxRxLev1dayCurrentDataEntry OBJECT-TYPE
    SYNTAX         PmonTxRxLev1dayCurrentDataEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        ""
    INDEX          { pmonTxRxLev1dayCurrentDataNEAddress,
pmonTxRxLev1dayCurrentDataIfIndex }
    ::= { pmonTxRxLev1dayCurrentDataTable 1 }

PmonTxRxLev1dayCurrentDataEntry ::= SEQUENCE {
    pmonTxRxLev1dayCurrentDataIfIndex          InterfaceIndex,
    pmonTxRxLev1dayCurrentDataNEAddress        IpAddress,
    pmonTxRxLev1dayCurrentDataStatusInfo       IpeStatsInfo,
    pmonTxRxLev1dayRxLevelMaxCurrentData       DisplayString,
    pmonTxRxLev1dayRxLevelMinCurrentData       DisplayString
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.2.1.1
pmonTxRxLev1dayCurrentDataIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { pmonTxRxLev1dayCurrentDataEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.2.1.2
pmonTxRxLev1dayCurrentDataNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { pmonTxRxLev1dayCurrentDataEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.2.1.3
pmonTxRxLev1dayCurrentDataStatusInfo OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON ODU 1day RX Level Status"
    ::= { pmonTxRxLev1dayCurrentDataEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.2.1.4
pmonTxRxLev1dayRxLevelMaxCurrentData OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON ODU 1day RX Level (MAX)"
    ::= { pmonTxRxLev1dayCurrentDataEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.10.2.1.5
pmonTxRxLev1dayRxLevelMinCurrentData OBJECT-TYPE
    SYNTAX          DisplayString
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "PMON ODU 1day RX Level (MIN)"
    ::= { pmonTxRxLev1dayCurrentDataEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11
rmonGroup OBJECT IDENTIFIER
    ::= { pasoNeoIpe-common 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1
rmonEthGroup OBJECT IDENTIFIER
    ::= { rmonGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1
rmon15minPortGroup OBJECT IDENTIFIER
```

```
    ::= { rmonEthGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1
rmon15minPortTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF Rmon15minPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min Port Monitoring Table."
    ::= { rmon15minPortGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1
rmon15minPortEntry OBJECT-TYPE
    SYNTAX          Rmon15minPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { rmon15minNEAddress, rmon15minIfIndex }
    ::= { rmon15minPortTable 1 }

Rmon15minPortEntry ::= SEQUENCE {
    rmon15minIfIndex                                      InterfaceIndex,
    rmon15minNEAddress                                    IpAddress,
    rmon15minHCRxEthStatsOctetsStatusInfo                 INTEGER,
    rmon15minHCTxEthStatsOctetsStatusInfo                 INTEGER,
    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,
        rmon15minHCRxUnknownTPIDStatusInfo                      INTEGER,
        rmon15minHCRxUnknownVIDStatusInfo                       INTEGER,
        rmon15minHCRxMACLimitStatusInfo                       INTEGER,
        rmon15minHCRxFilterDiscardStatusInfo                 INTEGER,
        rmon15minHCRxQoSDiscardStatusInfo                      INTEGER,
        rmon15minHCTxQueue0DiscardStatusInfo                   INTEGER,
        rmon15minHCTxQueue1DiscardStatusInfo                   INTEGER,
        rmon15minHCTxQueue2DiscardStatusInfo                   INTEGER,
        rmon15minHCTxQueue3DiscardStatusInfo                   INTEGER,
        rmon15minHCTxQueue4DiscardStatusInfo                   INTEGER,
        rmon15minHCTxQueue5DiscardStatusInfo                   INTEGER,
        rmon15minHCTxQueue6DiscardStatusInfo                   INTEGER,
        rmon15minHCTxQueue7DiscardStatusInfo                   INTEGER,
        rmon15minTxEthStatsOversizePkts                       Counter,
        rmon15minTxEthStatsOversizePktsStatusInfo            INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.1
rmon15minIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index of this table."
        ::= { rmon15minPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.2
rmon15minNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "reserved."
        ::= { rmon15minPortEntry 2 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.4
rmon15minHCRxEthStatsOctetsStatusInfo 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 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 4 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.6
rmon15minHCTxEthStatsOctetsStatusInfo 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 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 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.7
rmon15minRxEthStatsPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
          "RMON 15min RX Pkts"
    ::= { rmon15minPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.9
rmon15minTxEthStatsPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
          "RMON 15min TX Pkts"
    ::= { rmon15minPortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.10
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.11
rmon15minRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Drop Events"
    ::= { rmon15minPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.12
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.13
rmon15minRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Undersize Pkts"
    ::= { rmon15minPortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.14
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.15
rmon15minRxEthStatsFragments OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Fragments"
    ::= { rmon15minPortEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.16
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.17
rmon15minRxEthStatsPkts64Octets OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min RX 64 Octs"
    ::= { rmon15minPortEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.18
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.19
rmon15minTxEthStatsPkts64Octets OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min TX 64 Octs"
    ::= { rmon15minPortEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.20
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.21
rmon15minRxEthStatsPkts65to127Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX 65 to 127 Octs"
    ::= { rmon15minPortEntry 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.22
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.23
rmon15minTxEthStatsPkts65to127Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX 65 to 127 Octs"
    ::= { rmon15minPortEntry 23 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.24
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.25
rmon15minRxEthStatsPkts128to255Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX 128 to 255 Octs"
    ::= { rmon15minPortEntry 25 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.26
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.27
rmon15minTxEthStatsPkts128to255Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX 128 to 255 Octs"
    ::= { rmon15minPortEntry 27 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.28
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.29
rmon15minRxEthStatsPkts256to511Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX 256 to 511 Octs"
    ::= { rmon15minPortEntry 29 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.30
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.31
rmon15minTxEthStatsPkts256to511Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX 256 to 511 Octs"
    ::= { rmon15minPortEntry 31 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.32
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.33
rmon15minRxEthStatsPkts512to1023Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX 512 to 1023 Octs"
    ::= { rmon15minPortEntry 33 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.34
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.35
rmon15minTxEthStatsPkts512to1023Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX 512 to 1023 Octs"
    ::= { rmon15minPortEntry 35 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.36
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.37
rmon15minRxEthStatsPkts1024to1518Octets OBJECT-TYPE
    SYNTAX       Counter
    ACCESS       read-only
    STATUS       mandatory
    DESCRIPTION
        "RMON 15min RX 1024 to 1518 Octs"
    ::= { rmon15minPortEntry 37 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.38
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.39
rmon15minTxEthStatsPkts1024to1518Octets OBJECT-TYPE
    SYNTAX       Counter
    ACCESS       read-only
    STATUS       mandatory
    DESCRIPTION
        "RMON 15min TX 1024 to 1518 Octs"
    ::= { rmon15minPortEntry 39 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.40
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.41
rmon15minRxEthStatsCRCAlignErrors OBJECT-TYPE
    SYNTAX       Counter
    ACCESS       read-only
    STATUS       mandatory
    DESCRIPTION
        "RMON 15min RX CRC Alignment Errors"
    ::= { rmon15minPortEntry 41 }
```

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-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.42
rmon15minRxEthStatsCRCAlignErrorsStatusInfo 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.43
rmon15minRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Oversize Pkts"
    ::= { rmon15minPortEntry 43 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.44
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.45
rmon15minRxEthStatsJabbers OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Jabbers"
    ::= { rmon15minPortEntry 45 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.46
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 }
```

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-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.47
rmon15minRxEthStatsMulticastPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Multicast Pkts"
    ::= { rmon15minPortEntry 47 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.48
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.49
rmon15minTxEthStatsMulticastPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX Multicast Pkts"
    ::= { rmon15minPortEntry 49 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.50
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.51
rmon15minRxEthStatsBroadcastPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Broadcast Pkts"
    ::= { rmon15minPortEntry 51 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.52
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.53
rmon15minTxEthStatsBroadcastPkts OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min TX Broadcast Pkts"
    ::= { rmon15minPortEntry 53 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.54
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.55
rmon15minTxEthStatsCollisions OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min TX Collisions"
    ::= { rmon15minPortEntry 55 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.56
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 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.58
rmon15minHCRxUnknownTPIDStatusInfo 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 Unknown TPID 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 58 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.60
rmon15minHCRxUnknownVIDStatusInfo 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 Unknown VID 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 60 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.62
rmon15minHCRxMAClimitStatusInfo 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 MAC Limit 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 62 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.64
rmon15minHCRxFilterDiscardStatusInfo 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 Filter Discard 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 64 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.66
rmon15minHCRxQoSDiscardStatusInfo 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 QoS Discard 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 66 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.68
rmon15minHCTxQueue0DiscardStatusInfo 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 Queue0 Discard 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 68 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.70
rmon15minHCTxQueue1DiscardStatusInfo 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 Queue1 Discard 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 70 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.72
rmon15minHCTxQueue2DiscardStatusInfo 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 Queue2 Discard 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 72 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.74
rmon15minHCTxQueue3DiscardStatusInfo 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 Queue3 Discard 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 74 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.76
rmon15minHCTxQueue4DiscardStatusInfo 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 Queue4 Discard 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 76 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.78
rmon15minHCTxQueue5DiscardStatusInfo 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 Queue5 Discard 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 78 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.80
rmon15minHCTxQueue6DiscardStatusInfo 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 Queue6 Discard 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 80 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.82
rmon15minHCTxQueue7DiscardStatusInfo 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 Queue7 Discard 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 82 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.83
rmon15minTxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX Oversize Pkts."
    ::= { rmon15minPortEntry 83 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.1.1.84
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2
rmon15minPort2Table OBJECT-TYPE
    SYNTAX          SEQUENCE OF Rmon15minPort2Entry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min Port Monitoring Table."
    ::= { rmon15minPortGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1
rmon15minPort2Entry OBJECT-TYPE
    SYNTAX          Rmon15minPort2Entry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX          { rmon15minPort2NEAddress, rmon15minPort2IfIndex }
    ::= { rmon15minPort2Table 1 }

Rmon15minPort2Entry ::= SEQUENCE {
    rmon15minPort2IfIndex                           InterfaceIndex,
    rmon15minPort2NEAddress                         IpAddress,
    rmon15minHCRxEthStatsOctets2Status              IpeStatsInfo,
    rmon15minHCTxEthStatsOctets2Status              IpeStatsInfo,
    rmon15minHCRxEthStatsPkts2Status                IpeStatsInfo,
    rmon15minHCTxEthStatsPkts2Status                IpeStatsInfo,
    rmon15minRxEthStatsDropEvents2                          Counter,
    rmon15minRxEthStatsDropEvents2Status                    IpeStatsInfo,
    rmon15minRxEthStatsUndersizePkts2                       Counter,
    rmon15minRxEthStatsUndersizePkts2Status                 IpeStatsInfo,
    rmon15minRxEthStatsFragments2                           Counter,
    rmon15minRxEthStatsFragments2Status                     IpeStatsInfo,
    rmon15minHCRxEthStatsPkts64Octets2Status                IpeStatsInfo,
    rmon15minHCTxEthStatsPkts64Octets2Status                IpeStatsInfo,
    rmon15minHCRxEthStatsPkts65to127Octets2Status           IpeStatsInfo,
    rmon15minHCTxEthStatsPkts65to127Octets2Status           IpeStatsInfo,
    rmon15minHCRxEthStatsPkts128to255Octets2Status          IpeStatsInfo,
    rmon15minHCTxEthStatsPkts128to255Octets2Status          IpeStatsInfo,
    rmon15minHCRxEthStatsPkts256to511Octets2Status          IpeStatsInfo,
    rmon15minHCTxEthStatsPkts256to511Octets2Status          IpeStatsInfo,
    rmon15minHCRxEthStatsPkts512to1023Octets2Status         IpeStatsInfo,
    rmon15minHCTxEthStatsPkts512to1023Octets2Status         IpeStatsInfo,
    rmon15minHCRxEthStatsPkts1024to1518Octets2Status        IpeStatsInfo,
    rmon15minHCTxEthStatsPkts1024to1518Octets2Status        IpeStatsInfo,
    rmon15minRxEthStatsCRCAlignErrors2                      Counter,
    rmon15minRxEthStatsCRCAlignErrors2Status                IpeStatsInfo,
    rmon15minRxEthStatsOversizePkts2                        Counter,
    rmon15minRxEthStatsOversizePkts2Status                  IpeStatsInfo,
    rmon15minRxEthStatsJabbers2                             Counter,
    rmon15minRxEthStatsJabbers2Status                       IpeStatsInfo,
    rmon15minRxEthStatsMulticastPkts2                       Counter,
    rmon15minRxEthStatsMulticastPkts2Status                 IpeStatsInfo,
    rmon15minTxEthStatsMulticastPkts2                       Counter,
    rmon15minTxEthStatsMulticastPkts2Status                 IpeStatsInfo,
    rmon15minRxEthStatsBroadcastPkts2                       Counter,
    rmon15minRxEthStatsBroadcastPkts2Status                 IpeStatsInfo,
    rmon15minTxEthStatsBroadcastPkts2                       Counter,
    rmon15minTxEthStatsBroadcastPkts2Status                 IpeStatsInfo,
    rmon15minTxEthStatsCollisions2                          Counter,
    rmon15minTxEthStatsCollisions2Status                    IpeStatsInfo,
    rmon15minHCRxUnknownTPID2Status                             IpeStatsInfo,
    rmon15minHCRxUnknownVID2Status                              IpeStatsInfo,
    rmon15minHCRxMAClimit2Status                                IpeStatsInfo,
    rmon15minHCRxFilterDiscard2Status                         IpeStatsInfo,
    rmon15minHCRxQoSDiscard2Status                              IpeStatsInfo,
    rmon15minHCTxQueue0Discard2Status                           IpeStatsInfo,
    rmon15minHCTxQueue1Discard2Status                           IpeStatsInfo,
    rmon15minHCTxQueue2Discard2Status                           IpeStatsInfo,
    rmon15minHCTxQueue3Discard2Status                           IpeStatsInfo,
    rmon15minHCTxQueue4Discard2Status                           IpeStatsInfo,
    rmon15minHCTxQueue5Discard2Status                           IpeStatsInfo,
    rmon15minHCTxQueue6Discard2Status                           IpeStatsInfo,
    rmon15minHCTxQueue7Discard2Status                           IpeStatsInfo,
    rmon15minTxEthStatsOversizePkts2                        Counter,
    rmon15minTxEthStatsOversizePkts2Status                  IpeStatsInfo
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.1
rmon15minPort2IfIndex OBJECT-TYPE
    SYNTAX        InterfaceIndex
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table."
    ::= { rmon15minPort2Entry 1 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.2
rmon15minPort2NEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { rmon15minPort2Entry 2 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.4
rmon15minHCRxEthStatsOctets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX 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."
    ::= { rmon15minPort2Entry 4 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.6
rmon15minHCTxEthStatsOctets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX 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."
    ::= { rmon15minPort2Entry 6 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.8
rmon15minHCRxEthStatsPkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 8 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.10
rmon15minHCTxEthStatsPkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 10 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.11
rmon15minRxEthStatsDropEvents2 OBJECT-TYPE
    SYNTAX         Counter
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "RMON 15min RX Drop Events"
    ::= { rmon15minPort2Entry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.12
rmon15minRxEthStatsDropEvents2Status OBJECT-TYPE
    SYNTAX         IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.13
rmon15minRxEthStatsUndersizePkts2 OBJECT-TYPE
    SYNTAX         Counter
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "RMON 15min RX Undersize Pkts"
    ::= { rmon15minPort2Entry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.14
rmon15minRxEthStatsUndersizePkts2Status OBJECT-TYPE
    SYNTAX         IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.15
rmon15minRxEthStatsFragments2 OBJECT-TYPE
    SYNTAX         Counter
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "RMON 15min RX Fragments"
    ::= { rmon15minPort2Entry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.16
rmon15minRxEthStatsFragments2Status OBJECT-TYPE
    SYNTAX         IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 16 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.18
rmon15minHCRxEthStatsPkts64Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 18 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.20
rmon15minHCTxEthStatsPkts64Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 20 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.22
rmon15minHCRxEthStatsPkts65to127Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 22 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.24
rmon15minHCTxEthStatsPkts65to127Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 24 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.26
rmon15minHCRxEthStatsPkts128to255Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 26 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.28
rmon15minHCTxEthStatsPkts128to255Octets2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 28 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.30
rmon15minHCRxEthStatsPkts256to511Octets2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 30 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.32
rmon15minHCTxEthStatsPkts256to511Octets2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 32 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.34
rmon15minHCRxEthStatsPkts512to1023Octets2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 34 }
```

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-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.36
rmon15minHCTxEthStatsPkts512to1023Octets2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 36 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.38
rmon15minHCRxEthStatsPkts1024to1518Octets2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 38 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.40
rmon15minHCTxEthStatsPkts1024to1518Octets2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 40 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.41
rmon15minRxEthStatsCRCAlignErrors2 OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min RX CRC Alignment Errors"
    ::= { rmon15minPort2Entry 41 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.42
rmon15minRxEthStatsCRCAlignErrors2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 42 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.43
rmon15minRxEthStatsOversizePkts2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Oversize Pkts"
    ::= { rmon15minPort2Entry 43 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.44
rmon15minRxEthStatsOversizePkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 44 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.45
rmon15minRxEthStatsJabbers2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Jabbers"
    ::= { rmon15minPort2Entry 45 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.46
rmon15minRxEthStatsJabbers2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 46 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.47
rmon15minRxEthStatsMulticastPkts2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Multicast Pkts"
    ::= { rmon15minPort2Entry 47 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.48
rmon15minRxEthStatsMulticastPkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Multicast Pkts Status. 'invalid' means the
         corresponding monitoring value is not reliable because of the
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```
              alarm or other reasons. 'maintenance' means that some maintenance
              functions are executed on the current interval."
       ::= { rmon15minPort2Entry 48 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.49
rmon15minTxEthStatsMulticastPkts2 OBJECT-TYPE
       SYNTAX         Counter
       ACCESS         read-only
       STATUS         mandatory
       DESCRIPTION
            "RMON 15min TX Multicast Pkts"
       ::= { rmon15minPort2Entry 49 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.50
rmon15minTxEthStatsMulticastPkts2Status OBJECT-TYPE
       SYNTAX         IpeStatsInfo
       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."
       ::= { rmon15minPort2Entry 50 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.51
rmon15minRxEthStatsBroadcastPkts2 OBJECT-TYPE
       SYNTAX         Counter
       ACCESS         read-only
       STATUS         mandatory
       DESCRIPTION
            "RMON 15min RX Broadcast Pkts"
       ::= { rmon15minPort2Entry 51 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.52
rmon15minRxEthStatsBroadcastPkts2Status OBJECT-TYPE
       SYNTAX         IpeStatsInfo
       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."
       ::= { rmon15minPort2Entry 52 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.53
rmon15minTxEthStatsBroadcastPkts2 OBJECT-TYPE
       SYNTAX         Counter
       ACCESS         read-only
       STATUS         mandatory
       DESCRIPTION
            "RMON 15min TX Broadcast Pkts"
       ::= { rmon15minPort2Entry 53 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.54
rmon15minTxEthStatsBroadcastPkts2Status OBJECT-TYPE
       SYNTAX         IpeStatsInfo
       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."
    ::= { rmon15minPort2Entry 54 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.55
rmon15minTxEthStatsCollisions2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX Collisions"
    ::= { rmon15minPort2Entry 55 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.56
rmon15minTxEthStatsCollisions2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 56 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.58
rmon15minHCRxUnknownTPID2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min Unknown TPID 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."
    ::= { rmon15minPort2Entry 58 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.60
rmon15minHCRxUnknownVID2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min Unknown VID 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."
    ::= { rmon15minPort2Entry 60 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.62
rmon15minHCRxMAClimit2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX MAC Limit 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."
    ::= { rmon15minPort2Entry 62 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.64
rmon15minHCRxFilterDiscard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX Filter Discard 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."
    ::= { rmon15minPort2Entry 64 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.66
rmon15minHCRxQoSDiscard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min RX QoS Discard 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."
    ::= { rmon15minPort2Entry 66 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.68
rmon15minHCTxQueue0Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX Queue0 Discard 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."
    ::= { rmon15minPort2Entry 68 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.70
rmon15minHCTxQueue1Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min TX Queue1 Discard 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."
    ::= { rmon15minPort2Entry 70 }
```

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-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.72
rmon15minHCTxQueue2Discard2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min TX Queue2 Discard 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."
    ::= { rmon15minPort2Entry 72 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.74
rmon15minHCTxQueue3Discard2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min TX Queue3 Discard 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."
    ::= { rmon15minPort2Entry 74 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.76
rmon15minHCTxQueue4Discard2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min TX Queue4 Discard 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."
    ::= { rmon15minPort2Entry 76 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.78
rmon15minHCTxQueue5Discard2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min TX Queue5 Discard 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."
    ::= { rmon15minPort2Entry 78 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.80
rmon15minHCTxQueue6Discard2Status OBJECT-TYPE
    SYNTAX        IpeStatsInfo
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 15min TX Queue6 Discard Status. 'invalid' means the
         corresponding monitoring value is not reliable because of the
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```
              alarm or other reasons. 'maintenance' means that some maintenance
              functions are executed on the current interval."
    ::= { rmon15minPort2Entry 80 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.82
rmon15minHCTxQueue7Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
            "RMON 15min TX Queue7 Discard 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."
    ::= { rmon15minPort2Entry 82 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.83
rmon15minTxEthStatsOversizePkts2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
            "RMON 15min TX Oversize Pkts."
    ::= { rmon15minPort2Entry 83 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.1.2.1.84
rmon15minTxEthStatsOversizePkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon15minPort2Entry 84 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2
rmon1dayportGroup OBJECT IDENTIFIER
    ::= { rmonEthGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1
rmon1dayPortTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF Rmon1dayPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
            "RMON 1day Port Monitoring Table."
    ::= { rmon1dayportGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1
rmon1dayPortEntry OBJECT-TYPE
    SYNTAX          Rmon1dayPortEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
            ""
    INDEX          { rmon1dayNEAddress, rmon1dayIfIndex }
    ::= { rmon1dayPortTable 1 }
```

```
Rmon1dayPortEntry ::= SEQUENCE {
    rmon1dayIfIndex                                       InterfaceIndex,
    rmon1dayNEAddress                                       IpAddress,
    rmon1dayHCRxEthStatsOctetsStatusInfo                  INTEGER,
    rmon1dayHCTxEthStatsOctetsStatusInfo                  INTEGER,
    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,
    rmon1dayHCRxUnknownTPIDStatusInfo                         INTEGER,
    rmon1dayHCRxUnknownVIDStatusInfo                          INTEGER,
    rmon1dayHCRxMAClimitStatusInfo                          INTEGER,
    rmon1dayHCRxFilterDiscardStatusInfo                   INTEGER,
    rmon1dayHCRxQoSDiscardStatusInfo                  INTEGER,
    rmon1dayHCTxQueue0DiscardStatusInfo               INTEGER,
    rmon1dayHCTxQueue1DiscardStatusInfo               INTEGER,
    rmon1dayHCTxQueue2DiscardStatusInfo               INTEGER,
    rmon1dayHCTxQueue3DiscardStatusInfo               INTEGER,
    rmon1dayHCTxQueue4DiscardStatusInfo               INTEGER,
    rmon1dayHCTxQueue5DiscardStatusInfo               INTEGER,
    rmon1dayHCTxQueue6DiscardStatusInfo               INTEGER,
    rmon1dayHCTxQueue7DiscardStatusInfo               INTEGER,
    rmon1dayTxEthStatsOversizePkts                  Counter,
    rmon1dayTxEthStatsOversizePktsStatusInfo       INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.1
rmon1dayIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { rmon1dayPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.2
rmon1dayNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { rmon1dayPortEntry 2 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.4
rmon1dayHCRxEthStatsOctetsStatusInfo 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 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 4 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.6
rmon1dayHCTxEthStatsOctetsStatusInfo 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 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 6 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.7
rmon1dayRxEthStatsPkts OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 1day RX Pkts"
    ::= { rmon1dayPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.9
rmon1dayTxEthStatsPkts OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 1day TX Pkts"
    ::= { rmon1dayPortEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.10
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.11
rmon1dayRxEthStatsDropEvents OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 1day RX Drop Events"
    ::= { rmon1dayPortEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.12
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.13
rmon1dayRxEthStatsUndersizePkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Undersize Pkts"
    ::= { rmon1dayPortEntry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.14
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.15
rmon1dayRxEthStatsFragments OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Fragments"
    ::= { rmon1dayPortEntry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.16
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.17
rmon1dayRxEthStatsPkts64Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 1day RX 64 Octs"
    ::= { rmon1dayPortEntry 17 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.18
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.19
rmon1dayTxEthStatsPkts64Octets OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 1day TX 64 Octs"
    ::= { rmon1dayPortEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.20
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.21
rmon1dayRxEthStatsPkts65to127Octets OBJECT-TYPE
    SYNTAX        Counter
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "RMON 1day RX 65 to 127 Octs"
    ::= { rmon1dayPortEntry 21 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.22
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
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             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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.23
rmon1dayTxEthStatsPkts65to127Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
           "RMON 1day TX 65 to 127 Octs"
    ::= { rmon1dayPortEntry 23 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.24
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.25
rmon1dayRxEthStatsPkts128to255Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
           "RMON 1day RX 128 to 255 Octs."
    ::= { rmon1dayPortEntry 25 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.26
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.27
rmon1dayTxEthStatsPkts128to255Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
           "RMON 1day TX 128 to 255 Octs"
    ::= { rmon1dayPortEntry 27 }
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-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.28
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.29
rmon1dayRxEthStatsPkts256to511Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX 256 to 511 Octs."
    ::= { rmon1dayPortEntry 29 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.30
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.31
rmon1dayTxEthStatsPkts256to511Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX 256 to 511 Octs."
    ::= { rmon1dayPortEntry 31 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.32
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 }
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-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.33
rmon1dayRxEthStatsPkts512to1023Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX 512 to 1023 Octs"
    ::= { rmon1dayPortEntry 33 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.34
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.35
rmon1dayTxEthStatsPkts512to1023Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX 512 to 1023 Octs"
    ::= { rmon1dayPortEntry 35 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.36
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.37
rmon1dayRxEthStatsPkts1024to1518Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX 1024 to 1518 Octs."
    ::= { rmon1dayPortEntry 37 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.38
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.39
rmon1dayTxEthStatsPkts1024to1518Octets OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX 1024 to 1518 Octs."
    ::= { rmon1dayPortEntry 39 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.40
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.41
rmon1dayRxEthStatsCRCAlignErrors OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX CRC Alignment Errors"
    ::= { rmon1dayPortEntry 41 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.42
rmon1dayRxEthStatsCRCAlignErrorsStatusInfo 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.43
rmon1dayRxEthStatsOversizePkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Oversize Pkts"
    ::= { rmon1dayPortEntry 43 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.44
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.45
rmon1dayRxEthStatsJabbers OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Jabbers"
    ::= { rmon1dayPortEntry 45 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.46
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.47
rmon1dayRxEthStatsMulticastPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Multicast Pkts"
    ::= { rmon1dayPortEntry 47 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.48
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
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             alarm or other reasons. 'maintenance' means that some maintenance
             functions are executed on the current interval."
    ::= { rmon1dayPortEntry 48 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.49
rmon1dayTxEthStatsMulticastPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
            "RMON 1day TX Multicast Pkts."
    ::= { rmon1dayPortEntry 49 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.50
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.51
rmon1dayRxEthStatsBroadcastPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
            "RMON 1day RX Broadcast Pkts."
    ::= { rmon1dayPortEntry 51 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.52
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.53
rmon1dayTxEthStatsBroadcastPkts OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
            "RMON 1day TX Broadcast Pkts."
    ::= { rmon1dayPortEntry 53 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.54
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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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.55
rmon1dayTxEthStatsCollisions OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX Collisions."
    ::= { rmon1dayPortEntry 55 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.56
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 Collistions 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 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.58
rmon1dayHCRxUnknownTPIDStatusInfo 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 Unknown TPID 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 58 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.60
rmon1dayHCRxUnknownVIDStatusInfo 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
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        "RMON 1day RX Unknown VID 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 60 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.62
rmon1dayHCRxMAClimitStatusInfo 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 MAC Limit 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 62 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.64
rmon1dayHCRxFilterDiscardStatusInfo 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 Filter Discard 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 64 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.66
rmon1dayHCRxQoSDiscardStatusInfo 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 QoS Discard 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 66 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.68
rmon1dayHCTxQueue0DiscardStatusInfo 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
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          "RMON 1day TX Queue0 Discard 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 68 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.70
rmon1dayHCTxQueue1DiscardStatusInfo 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 Queue1 Discard 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 70 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.72
rmon1dayHCTxQueue2DiscardStatusInfo 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 Queue2 Discard 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 72 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.74
rmon1dayHCTxQueue3DiscardStatusInfo 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 Queue3 Discard 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 74 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.76
rmon1dayHCTxQueue4DiscardStatusInfo 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 Queue4 Discard 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 76 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.78
rmon1dayHCTxQueue5DiscardStatusInfo 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 Queue5 Discard 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 78 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.80
rmon1dayHCTxQueue6DiscardStatusInfo 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 Queue6 Discard 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 80 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.82
rmon1dayHCTxQueue7DiscardStatusInfo 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 Queue7 Discard 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 82 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.83
rmon1dayTxEthStatsOversizePkts OBJECT-TYPE
        SYNTAX          Counter
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "RMON 1day TX Oversize Pkts."
        ::= { rmon1dayPortEntry 83 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.1.1.84
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2
rmon1dayPort2Table OBJECT-TYPE
    SYNTAX          SEQUENCE OF Rmon1dayPort2Entry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day Port Monitoring Table."
    ::= { rmon1dayportGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1
rmon1dayPort2Entry OBJECT-TYPE
    SYNTAX          Rmon1dayPort2Entry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { rmon1dayPort2NEAddress, rmon1dayPort2IfIndex }
    ::= { rmon1dayPort2Table 1 }

Rmon1dayPort2Entry ::= SEQUENCE {
    rmon1dayPort2IfIndex                                    InterfaceIndex,
    rmon1dayPort2NEAddress                                  IpAddress,
    rmon1dayHCRxEthStatsOctets2Status                       IpeStatsInfo,
    rmon1dayHCTxEthStatsOctets2Status                       IpeStatsInfo,
    rmon1dayHCRxEthStatsPkts2Status                         IpeStatsInfo,
    rmon1dayHCTxEthStatsPkts2Status                         IpeStatsInfo,
    rmon1dayRxEthStatsDropEvents2                           Counter,
    rmon1dayRxEthStatsDropEvents2Status                     IpeStatsInfo,
    rmon1dayRxEthStatsUndersizePkts2                        Counter,
    rmon1dayRxEthStatsUndersizePkts2Status                  IpeStatsInfo,
    rmon1dayRxEthStatsFragments2                            Counter,
    rmon1dayRxEthStatsFragments2Status                      IpeStatsInfo,
    rmon1dayHCRxEthStatsPkts64Octets2Status                 IpeStatsInfo,
    rmon1dayHCTxEthStatsPkts64Octets2Status                 IpeStatsInfo,
    rmon1dayHCRxEthStatsPkts65to127Octets2Status            IpeStatsInfo,
    rmon1dayHCTxEthStatsPkts65to127Octets2Status            IpeStatsInfo,
    rmon1dayHCRxEthStatsPkts128to255Octets2Status           IpeStatsInfo,
    rmon1dayHCTxEthStatsPkts128to255Octets2Status           IpeStatsInfo,
    rmon1dayHCRxEthStatsPkts256to511Octets2Status           IpeStatsInfo,
    rmon1dayHCTxEthStatsPkts256to511Octets2Status           IpeStatsInfo,
    rmon1dayHCRxEthStatsPkts512to1023Octets2Status          IpeStatsInfo,
    rmon1dayHCTxEthStatsPkts512to1023Octets2Status          IpeStatsInfo,
    rmon1dayHCRxEthStatsPkts1024to1518Octets2Status         IpeStatsInfo,
    rmon1dayHCTxEthStatsPkts1024to1518Octets2Status         IpeStatsInfo,
    rmon1dayRxEthStatsCRCAlignErrors2                       Counter,
    rmon1dayRxEthStatsCRCAlignErrors2Status                 IpeStatsInfo,
    rmon1dayRxEthStatsOversizePkts2                  Counter,
    rmon1dayRxEthStatsOversizePkts2Status            IpeStatsInfo,
    rmon1dayRxEthStatsJabbers2                       Counter,
    rmon1dayRxEthStatsJabbers2Status                 IpeStatsInfo,
    rmon1dayRxEthStatsMulticastPkts2                 Counter,
    rmon1dayRxEthStatsMulticastPkts2Status           IpeStatsInfo,
    rmon1dayTxEthStatsMulticastPkts2                 Counter,
    rmon1dayTxEthStatsMulticastPkts2Status           IpeStatsInfo,
    rmon1dayRxEthStatsBroadcastPkts2                 Counter,
    rmon1dayRxEthStatsBroadcastPkts2Status           IpeStatsInfo,
    rmon1dayTxEthStatsBroadcastPkts2                 Counter,
    rmon1dayTxEthStatsBroadcastPkts2Status           IpeStatsInfo,
    rmon1dayTxEthStatsCollisions2                    Counter,
    rmon1dayTxEthStatsCollisions2Status              IpeStatsInfo,
    rmon1dayHCRxUnknownTPID2Status                   IpeStatsInfo,
    rmon1dayHCRxUnknownVID2Status                    IpeStatsInfo,
    rmon1dayHCRxMAClimit2Status                      IpeStatsInfo,
    rmon1dayHCRxFilterDiscard2Status                 IpeStatsInfo,
    rmon1dayHCRxQoSDiscard2Status                    IpeStatsInfo,
    rmon1dayHCTxQueue0Discard2Status                 IpeStatsInfo,
    rmon1dayHCTxQueue1Discard2Status                 IpeStatsInfo,
    rmon1dayHCTxQueue2Discard2Status                 IpeStatsInfo,
    rmon1dayHCTxQueue3Discard2Status                 IpeStatsInfo,
    rmon1dayHCTxQueue4Discard2Status                 IpeStatsInfo,
    rmon1dayHCTxQueue5Discard2Status                 IpeStatsInfo,
    rmon1dayHCTxQueue6Discard2Status                 IpeStatsInfo,
    rmon1dayHCTxQueue7Discard2Status                 IpeStatsInfo,
    rmon1dayTxEthStatsOversizePkts2                  Counter,
    rmon1dayTxEthStatsOversizePkts2Status            IpeStatsInfo
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.1
rmon1dayPort2IfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { rmon1dayPort2Entry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.2
rmon1dayPort2NEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { rmon1dayPort2Entry 2 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.4
rmon1dayHCRxEthStatsOctets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX 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."
    ::= { rmon1dayPort2Entry 4 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.6
rmon1dayHCTxEthStatsOctets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX 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."
    ::= { rmon1dayPort2Entry 6 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.8
rmon1dayHCRxEthStatsPkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 8 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.10
rmon1dayHCTxEthStatsPkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.11
rmon1dayRxEthStatsDropEvents2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Drop Events"
    ::= { rmon1dayPort2Entry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.12
rmon1dayRxEthStatsDropEvents2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.13
rmon1dayRxEthStatsUndersizePkts2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Undersize Pkts"
    ::= { rmon1dayPort2Entry 13 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.14
rmon1dayRxEthStatsUndersizePkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 14 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.15
rmon1dayRxEthStatsFragments2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Fragments"
    ::= { rmon1dayPort2Entry 15 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.16
rmon1dayRxEthStatsFragments2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 16 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.18
rmon1dayHCRxEthStatsPkts64Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 18 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.20
rmon1dayHCTxEthStatsPkts64Octets2Status OBJECT-TYPE
```

```
      SYNTAX        IpeStatsInfo
      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."
      ::= { rmon1dayPort2Entry 20 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.22
rmon1dayHCRxEthStatsPkts65to127Octets2Status OBJECT-TYPE
      SYNTAX        IpeStatsInfo
      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."
      ::= { rmon1dayPort2Entry 22 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.24
rmon1dayHCTxEthStatsPkts65to127Octets2Status OBJECT-TYPE
      SYNTAX        IpeStatsInfo
      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."
      ::= { rmon1dayPort2Entry 24 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.26
rmon1dayHCRxEthStatsPkts128to255Octets2Status OBJECT-TYPE
      SYNTAX        IpeStatsInfo
      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."
      ::= { rmon1dayPort2Entry 26 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.28
rmon1dayHCTxEthStatsPkts128to255Octets2Status OBJECT-TYPE
      SYNTAX        IpeStatsInfo
      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."
```

```
    ::= { rmon1dayPort2Entry 28 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.30
rmon1dayHCRxEthStatsPkts256to511Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 30 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.32
rmon1dayHCTxEthStatsPkts256to511Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 32 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.34
rmon1dayHCRxEthStatsPkts512to1023Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 34 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.36
rmon1dayHCTxEthStatsPkts512to1023Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 36 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.38
rmon1dayHCRxEthStatsPkts1024to1518Octets2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
        ::= { rmon1dayPort2Entry 38 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.40
rmon1dayHCTxEthStatsPkts1024to1518Octets2Status OBJECT-TYPE
        SYNTAX          IpeStatsInfo
        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."
        ::= { rmon1dayPort2Entry 40 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.41
rmon1dayRxEthStatsCRCAlignErrors2 OBJECT-TYPE
        SYNTAX          Counter
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "RMON 1day RX CRC Alignment Errors"
        ::= { rmon1dayPort2Entry 41 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.42
rmon1dayRxEthStatsCRCAlignErrors2Status OBJECT-TYPE
        SYNTAX          IpeStatsInfo
        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."
        ::= { rmon1dayPort2Entry 42 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.43
rmon1dayRxEthStatsOversizePkts2 OBJECT-TYPE
        SYNTAX          Counter
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "RMON 1day RX Oversize Pkts"
        ::= { rmon1dayPort2Entry 43 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.44
rmon1dayRxEthStatsOversizePkts2Status OBJECT-TYPE
        SYNTAX          IpeStatsInfo
        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."
```

```
    ::= { rmon1dayPort2Entry 44 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.45
rmon1dayRxEthStatsJabbers2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Jabbers"
    ::= { rmon1dayPort2Entry 45 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.46
rmon1dayRxEthStatsJabbers2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 46 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.47
rmon1dayRxEthStatsMulticastPkts2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Multicast Pkts"
    ::= { rmon1dayPort2Entry 47 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.48
rmon1dayRxEthStatsMulticastPkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 48 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.49
rmon1dayTxEthStatsMulticastPkts2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX Multicast Pkts."
    ::= { rmon1dayPort2Entry 49 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.50
rmon1dayTxEthStatsMulticastPkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
     ::= { rmon1dayPort2Entry 50 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.51
rmon1dayRxEthStatsBroadcastPkts2 OBJECT-TYPE
     SYNTAX          Counter
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "RMON 1day RX Broadcast Pkts."
     ::= { rmon1dayPort2Entry 51 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.52
rmon1dayRxEthStatsBroadcastPkts2Status OBJECT-TYPE
     SYNTAX          IpeStatsInfo
     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."
     ::= { rmon1dayPort2Entry 52 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.53
rmon1dayTxEthStatsBroadcastPkts2 OBJECT-TYPE
     SYNTAX          Counter
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "RMON 1day TX Broadcast Pkts."
     ::= { rmon1dayPort2Entry 53 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.54
rmon1dayTxEthStatsBroadcastPkts2Status OBJECT-TYPE
     SYNTAX          IpeStatsInfo
     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."
     ::= { rmon1dayPort2Entry 54 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.55
rmon1dayTxEthStatsCollisions2 OBJECT-TYPE
     SYNTAX          Counter
     ACCESS          read-only
     STATUS          mandatory
     DESCRIPTION
          "RMON 1day TX Collisions."
     ::= { rmon1dayPort2Entry 55 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.56
rmon1dayTxEthStatsCollisions2Status OBJECT-TYPE
     SYNTAX          IpeStatsInfo
     ACCESS          read-only
```

```
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX Collistions 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."
    ::= { rmon1dayPort2Entry 56 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.58
rmon1dayHCRxUnknownTPID2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Unknown TPID 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."
    ::= { rmon1dayPort2Entry 58 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.60
rmon1dayHCRxUnknownVID2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Unknown VID 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."
    ::= { rmon1dayPort2Entry 60 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.62
rmon1dayHCRxMAClimit2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX MAC Limit 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."
    ::= { rmon1dayPort2Entry 62 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.64
rmon1dayHCRxFilterDiscard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX Filter Discard 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."
    ::= { rmon1dayPort2Entry 64 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.66
rmon1dayHCRxQoSDiscard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day RX QoS Discard 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."
    ::= { rmon1dayPort2Entry 66 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.68
rmon1dayHCTxQueue0Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX Queue0 Discard 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."
    ::= { rmon1dayPort2Entry 68 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.70
rmon1dayHCTxQueue1Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX Queue1 Discard 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."
    ::= { rmon1dayPort2Entry 70 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.72
rmon1dayHCTxQueue2Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX Queue2 Discard 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."
    ::= { rmon1dayPort2Entry 72 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.74
rmon1dayHCTxQueue3Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX Queue3 Discard 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."
    ::= { rmon1dayPort2Entry 74 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.76
rmon1dayHCTxQueue4Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
          "RMON 1day TX Queue4 Discard 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."
    ::= { rmon1dayPort2Entry 76 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.78
rmon1dayHCTxQueue5Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
          "RMON 1day TX Queue5 Discard 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."
    ::= { rmon1dayPort2Entry 78 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.80
rmon1dayHCTxQueue6Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
          "RMON 1day TX Queue6 Discard 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."
    ::= { rmon1dayPort2Entry 80 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.82
rmon1dayHCTxQueue7Discard2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
          "RMON 1day TX Queue7 Discard 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."
    ::= { rmon1dayPort2Entry 82 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.83
rmon1dayTxEthStatsOversizePkts2 OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "RMON 1day TX Oversize Pkts."
    ::= { rmon1dayPort2Entry 83 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.2.2.1.84
rmon1dayTxEthStatsOversizePkts2Status OBJECT-TYPE
    SYNTAX          IpeStatsInfo
    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."
    ::= { rmon1dayPort2Entry 84 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3
rmon15minVlanGroup OBJECT IDENTIFIER
    ::= { rmonEthGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.1
rmon15minVlanTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF Rmon15minVlanEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "RMON 15min VLAN Counter Table."
    ::= { rmon15minVlanGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.1.1
rmon15minVlanEntry OBJECT-TYPE
    SYNTAX          Rmon15minVlanEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { rmon15minVlanCounterNEAddress, rmon15minVlanCounterIndex }
    ::= { rmon15minVlanTable 1 }

Rmon15minVlanEntry ::= SEQUENCE {
    rmon15minVlanCounterIndex                   INTEGER,
    rmon15minVlanCounterNEAddress               IpAddress,
    rmon15minHCRxFrameStatusInfo                INTEGER,
    rmon15minHCTxFrameStatusInfo                INTEGER,
    rmon15minHCRxQoSDiscardFrameStatusInfo      INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.1.1.1
rmon15minVlanCounterIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. VLAN Counter is able to execute up to 8. so
         the index value range is 1 to 8."
    ::= { rmon15minVlanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.1.1.2
```

```
rmon15minVlanCounterNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { rmon15minVlanEntry 2 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.1.1.4
rmon15minHCRxFrameStatusInfo 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 VLAN RX Frames 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."
    ::= { rmon15minVlanEntry 4 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.1.1.6
rmon15minHCTxFrameStatusInfo 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 VLAN TX Frames 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."
    ::= { rmon15minVlanEntry 6 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.1.1.8
rmon15minHCRxQoSDiscardFrameStatusInfo 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 QoS Discard Frames 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."
    ::= { rmon15minVlanEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.2
rmon15minVlanPortMappingTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF Rmon15minVlanPortMappingEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "If the VLAN Counter is enabled to the port, this object will
```

```
            show the corresponding VLAN Counter Index."
        ::= { rmon15minVlanGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.2.1
rmon15minVlanPortMappingEntry OBJECT-TYPE
        SYNTAX          Rmon15minVlanPortMappingEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            ""
        INDEX           { rmon15minVlanMappingNEAddress, rmon15minVlanPortMappingIfIndex,
                          rmon15minVlanMappingVlanIndex }
        ::= { rmon15minVlanPortMappingTable 1 }

Rmon15minVlanPortMappingEntry ::= SEQUENCE {
        rmon15minVlanPortMappingIfIndex         InterfaceIndex,
        rmon15minVlanMappingVlanIndex             INTEGER,
        rmon15minVlanMappingNEAddress               IpAddress,
        rmon15minVlanCounterId                    INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.2.1.1
rmon15minVlanPortMappingIfIndex OBJECT-TYPE
        SYNTAX          InterfaceIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "Index of this table."
        ::= { rmon15minVlanPortMappingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.2.1.2
rmon15minVlanMappingVlanIndex OBJECT-TYPE
        SYNTAX          INTEGER (1..4094)
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "VLAN ID enabling VLAN Counter"
        ::= { rmon15minVlanPortMappingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.2.1.3
rmon15minVlanMappingNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
            "reserved."
        ::= { rmon15minVlanPortMappingEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.3.2.1.4
rmon15minVlanCounterId OBJECT-TYPE
        SYNTAX          INTEGER (1..8)
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "VLAN Counter ID which is assigned to the port."
        ::= { rmon15minVlanPortMappingEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4
rmon1dayVlanGroup OBJECT IDENTIFIER
        ::= { rmonEthGroup 4 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.1
rmon1dayVlanTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF Rmon1dayVlanEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "RMON 1day VLAN Counter Table."
    ::= { rmon1dayVlanGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.1.1
rmon1dayVlanEntry OBJECT-TYPE
    SYNTAX        Rmon1dayVlanEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX         { rmon1dayVlanCounterNEAddress, rmon1dayVlanCounterIndex }
    ::= { rmon1dayVlanTable 1 }

Rmon1dayVlanEntry ::= SEQUENCE {
    rmon1dayVlanCounterIndex                    INTEGER,
    rmon1dayVlanCounterNEAddress                IpAddress,
    rmon1dayHCRxFrameStatusInfo                 INTEGER,
    rmon1dayHCTxFrameStatusInfo                 INTEGER,
    rmon1dayHCRxQoSDiscardFrameStatusInfo       INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.1.1.1
rmon1dayVlanCounterIndex OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table. VLAN Counter is able to execute up to 8. so
         the index value range is 1 to 8."
    ::= { rmon1dayVlanEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.1.1.2
rmon1dayVlanCounterNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { rmon1dayVlanEntry 2 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.1.1.4
rmon1dayHCRxFrameStatusInfo 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 VLAN RX Frames 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."
    ::= { rmon1dayVlanEntry 4 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.1.1.6
rmon1dayHCTxFrameStatusInfo 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 VLAN TX Frames 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."
    ::= { rmon1dayVlanEntry 6 }


-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.1.1.8
rmon1dayHCRxQoSDiscardFrameStatusInfo 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 QoS Discard Frames 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."
    ::= { rmon1dayVlanEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.2
rmon1dayVlanPortMappingTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF Rmon1dayVlanPortMappingEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "If the VLAN Counter is enabled to the port, this object will
         show the corresponding VLAN Counter Index."
    ::= { rmon1dayVlanGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.2.1
rmon1dayVlanPortMappingEntry OBJECT-TYPE
    SYNTAX          Rmon1dayVlanPortMappingEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX          { rmon1dayVlanMappingNEAddress, rmon1dayVlanPortMappingIfIndex,
                    rmon1dayVlanMappingVlanIndex }
    ::= { rmon1dayVlanPortMappingTable 1 }

Rmon1dayVlanPortMappingEntry ::= SEQUENCE {
    rmon1dayVlanPortMappingIfIndex   InterfaceIndex,
    rmon1dayVlanMappingVlanIndex       INTEGER,
    rmon1dayVlanMappingNEAddress       IpAddress,
    rmon1dayVlanCounterId                  INTEGER
}
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.2.1.1
rmon1dayVlanPortMappingIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { rmon1dayVlanPortMappingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.2.1.2
rmon1dayVlanMappingVlanIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..4094)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "VLAN ID enabling VLAN Counter"
    ::= { rmon1dayVlanPortMappingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.2.1.3
rmon1dayVlanMappingNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { rmon1dayVlanPortMappingEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.11.1.4.2.1.4
rmon1dayVlanCounterId OBJECT-TYPE
    SYNTAX          INTEGER (1..8)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "VLAN Counter ID which is assigned to the port."
    ::= { rmon1dayVlanPortMappingEntry 4 }

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 -- end of module MIB-PNMSJ-IPASOLINK-400-COMMON-MIB.
```

Appendix 7: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-MSE-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-MSE-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI;

    IpeEnableDisableValue ::=
        INTEGER { invalid(0), disabled(1), enabled(2) }


    SeverityValue ::=
        INTEGER { cleared(1), indetermine(2), critical(3), major(4),
                                minor(5), warning(6) }


    -- 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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503
    ipasolink400 OBJECT IDENTIFIER
        ::= { commonPnms 503 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501
    pasoNeoIpe-common OBJECT IDENTIFIER
        ::= { ipasolink400 501 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3
    alarmStatusGroup OBJECT IDENTIFIER
        ::= { pasoNeoIpe-common 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40
```

```
asMseGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 40 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1
asMseCardTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsMseCardEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This table represents the alarm status for mse card."
    ::= { asMseGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1
asMseCardEntry OBJECT-TYPE
    SYNTAX          AsMseCardEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asMseCardNEAddress, asMseCardIndex }
    ::= { asMseCardTable 1 }

AsMseCardEntry ::= SEQUENCE {
    asMseCardIndex              INTEGER,
    asMseCardNEAddress          IpAddress,
    asMseCardModuleFail         SeverityValue,
    asMseCardComFailAlarm       SeverityValue,
    asMseCardUnequipped         SeverityValue,
    asMseCardTypeMismatch       SeverityValue,
    asMseCardBusErrorTx         SeverityValue,
    asMseCardBusErrorRx         SeverityValue,
    asMseCardClkFail            SeverityValue
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.1
asMseCardIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "index of this table. The value is equivalent to the physical
         slot number + 1."
    ::= { asMseCardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.2
asMseCardNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { asMseCardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.3
asMseCardModuleFail OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MSE Module Alarm"
        ::= { asMseCardEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.4
asMseCardComFailAlarm OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "MSE Communication FAIL Alarm."
        ::= { asMseCardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.5
asMseCardUnequipped OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "MSE Unequipped Alarm. The alarm shows status that the
                  provisioned card is not installed."
        ::= { asMseCardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.6
asMseCardTypeMismatch OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "MSE Type Mismatch Alarm. The alarm shows status that the card
                  which is different from provisioned is installed."
        ::= { asMseCardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.7
asMseCardBusErrorTx OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "MSE Tx Bus Error Alarm."
        ::= { asMseCardEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.8
asMseCardBusErrorRx OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
                "MSE Rx Bus Error Alarm"
        ::= { asMseCardEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.1.1.9
asMseCardClkFail OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          obsolete
        DESCRIPTION
                "obsoleted"
        ::= { asMseCardEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.2
asMseLineTable OBJECT-TYPE
```

```
    SYNTAX          SEQUENCE OF AsMseLineEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "MSE E1 Channel Alarm Status table."
    ::= { asMseGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.2.1
asMseLineEntry OBJECT-TYPE
    SYNTAX          AsMseLineEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asMseLineNEAddress, asMseLineIfIndex }
    ::= { asMseLineTable 1 }

AsMseLineEntry ::= SEQUENCE {
    asMseLineIfIndex                InterfaceIndex,
    asMseLineNEAddress              IpAddress,
    asMseLineBfrUnderrun            SeverityValue,
    asMseLineAdaptiveClkStatus      INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.2.1.1
asMseLineIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asMseLineEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.2.1.2
asMseLineNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { asMseLineEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.2.1.5
asMseLineBfrUnderrun OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MSE E1 Channel TDM Buffer Underrun Alarm."
    ::= { asMseLineEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.40.2.1.6
asMseLineAdaptiveClkStatus OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), holdover(1), acquiring(2),
                        acquired(3) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "MSE E1 Channel Adaptive Clock Status."
    ::= { asMseLineEntry 6 }
```

```
END -- end of module MIB-PNMSJ-IPASOLINK-400-MSE-MIB.
```

Appendix 8: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-LAG-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-LAG-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        Counter, IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI;

    IpeEnableDisableValue ::=
        INTEGER { invalid(0), disabled(1), enabled(2) }


    SeverityValue ::=
        INTEGER { cleared(1), indetermine(2), critical(3), major(4),
                                minor(5), warning(6) }


    -- 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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503
    ipasolink400 OBJECT IDENTIFIER
        ::= { commonPnms 503 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501
    pasoNeoIpe-common OBJECT IDENTIFIER
        ::= { ipasolink400 501 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3
    alarmStatusGroup OBJECT IDENTIFIER
        ::= { pasoNeoIpe-common 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38
```

```
asLinkAggrGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 38 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.1
asLinkAggrGroupTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsLinkAggrGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Alarm/Status for Link Aggregation Group. This table is created
         automatically when the Link Aggregation Group is defined."
    ::= { asLinkAggrGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.1.1
asLinkAggrGroupEntry OBJECT-TYPE
    SYNTAX          AsLinkAggrGroupEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asLinkAggrGroupNEAddress, asLinkAggrGroupIfIndex }
    ::= { asLinkAggrGroupTable 1 }

AsLinkAggrGroupEntry ::= SEQUENCE {
    asLinkAggrGroupIfIndex          InterfaceIndex,
    asLinkAggrGroupNEAddress        IpAddress,
    asLinkAggrGroupLinkStatus       SeverityValue,
    asLinkAggrGroupLLFStatus        INTEGER,
    asLinkAggrGroupOperStatus       INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.1.1.1
asLinkAggrGroupIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asLinkAggrGroupEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.1.1.2
asLinkAggrGroupNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { asLinkAggrGroupEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.1.1.3
asLinkAggrGroupLinkStatus OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Link Status for Link Aggregation Group. The all member ports
         become link down, this state becomes alarm state.
         But the lower layer is in alarm state, the link status becomes
         'normal' state because of alarm mask function."
    ::= { asLinkAggrGroupEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.1.1.4
asLinkAggrGroupLLFStatus OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), normal(1), force(2) }
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "The status for link loss forwarding. 'force' means the interface
         is shutting down by the link loss forwarding."
    ::= { asLinkAggrGroupEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.1.1.5
asLinkAggrGroupOperStatus OBJECT-TYPE
    SYNTAX        INTEGER { invalid(0), linkDown(1), linkUp(2) }
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "Link Status for Link Aggregation Group. This object keeps
         linkDown state, when the lower layer is in alarm state."
    ::= { asLinkAggrGroupEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2
asLinkAggrPortTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF AsLinkAggrPortEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "The Link Aggregation Member Port Status. This table is created
         automatically when a link aggregation group is defined.
         This table is created per each member port per link aggregation
         group."
    ::= { asLinkAggrGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2.1
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,
    asLinkAggrPortActorLacpStatus       OCTET STRING,
    asLinkAggrPortPartnerLacpStatus     OCTET STRING,
    asLinkAggrPortLoopDetect            INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2.1.1
asLinkAggrPortGroupIfIndex OBJECT-TYPE
    SYNTAX        InterfaceIndex
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
```

```
          "link aggregation group index of this table."
      ::= { asLinkAggrPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2.1.2
asLinkAggrPortIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
          "member port index of this table."
      ::= { asLinkAggrPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2.1.3
asLinkAggrPortNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
          "reserved"
      ::= { asLinkAggrPortEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2.1.4
asLinkAggrPortStatus OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), active(1), standby(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "The port role of the member port.
            'active' means the port forwards/receives the packets on the
            interface."
      ::= { asLinkAggrPortEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2.1.5
asLinkAggrPortActorLacpStatus OBJECT-TYPE
      SYNTAX          OCTET STRING
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "A string of 8 bits, corresponding to the current operational
            values of Actor_State as transmitted by the Actor in LACPDUs."
      ::= { asLinkAggrPortEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2.1.6
asLinkAggrPortPartnerLacpStatus OBJECT-TYPE
      SYNTAX          OCTET STRING
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "A string of 8 bits, corresponding to the current values of
            Actor_State in the most recently received LACPDU transmitted by
            the protocol Partner."
      ::= { asLinkAggrPortEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.2.1.7
asLinkAggrPortLoopDetect OBJECT-TYPE
      SYNTAX          INTEGER { invalid(0), none(1), detected(2) }
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
          "LACP Control frames loop detect status for that port. This
```

```
            status will be cleared when the condition is not detected for a
            fixed time."
    ::= { asLinkAggrPortEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3
asLinkAggrPortStatsTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsLinkAggrPortStatsEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Link Aggregation Statistics."
    ::= { asLinkAggrGroup 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1
asLinkAggrPortStatsEntry OBJECT-TYPE
    SYNTAX          AsLinkAggrPortStatsEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asLinkAggrPortStatsNEAddress, asLinkAggrPortStatsIfIndex }
    ::= { asLinkAggrPortStatsTable 1 }

AsLinkAggrPortStatsEntry ::= SEQUENCE {
    asLinkAggrPortStatsIfIndex                  InterfaceIndex,
    asLinkAggrPortStatsNEAddress                IpAddress,
    asLinkAggrPortStatsLACPDUsRx                Counter,
    asLinkAggrPortStatsLACPDUsTx                Counter,
    asLinkAggrPortStatsMarkerPDUsRx             Counter,
    asLinkAggrPortStatsMarkerRespPDUsRx         Counter,
    asLinkAggrPortStatsMarkerPDUsTx             Counter,
    asLinkAggrPortStatsMarkerRespPDUsTx         Counter
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1.1
asLinkAggrPortStatsIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. This table is created per each member
          port."
    ::= { asLinkAggrPortStatsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1.2
asLinkAggrPortStatsNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved"
    ::= { asLinkAggrPortStatsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1.3
asLinkAggrPortStatsLACPDUsRx OBJECT-TYPE
    SYNTAX          Counter
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The number of valid LACPDUs received on this Aggregation Port."
```

```
          ::= { asLinkAggrPortStatsEntry 3 }

      -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1.4
      asLinkAggrPortStatsLACPDUsTx OBJECT-TYPE
          SYNTAX          Counter
          ACCESS          read-only
          STATUS          mandatory
          DESCRIPTION
              "The number of LACPDUs transmitted on this
               Aggregation Port."
          ::= { asLinkAggrPortStatsEntry 4 }

      -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1.5
      asLinkAggrPortStatsMarkerPDUsRx OBJECT-TYPE
          SYNTAX          Counter
          ACCESS          read-only
          STATUS          mandatory
          DESCRIPTION
              "The number of valid Marker PDUs received on this Aggregation
               Port."
          ::= { asLinkAggrPortStatsEntry 5 }

      -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1.6
      asLinkAggrPortStatsMarkerRespPDUsRx OBJECT-TYPE
          SYNTAX          Counter
          ACCESS          read-only
          STATUS          mandatory
          DESCRIPTION
              "The number of valid Marker Response PDUs received on this
               Aggregation Port."
          ::= { asLinkAggrPortStatsEntry 6 }

      -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1.7
      asLinkAggrPortStatsMarkerPDUsTx OBJECT-TYPE
          SYNTAX          Counter
          ACCESS          read-only
          STATUS          mandatory
          DESCRIPTION
              "The number of Marker PDUs transmitted on this Aggregation Port."
          ::= { asLinkAggrPortStatsEntry 7 }

      -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.38.3.1.8
      asLinkAggrPortStatsMarkerRespPDUsTx OBJECT-TYPE
          SYNTAX          Counter
          ACCESS          read-only
          STATUS          mandatory
          DESCRIPTION
              "The number of Marker Response PDUs transmitted on this
               Aggregation Port."
          ::= { asLinkAggrPortStatsEntry 8 }

  END -- end of module MIB-PNMSJ-IPASOLINK-400-LAG-MIB.
```

Appendix 9: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-ETH-RING-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-ETH-RING-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        OBJECT-TYPE
            FROM RFC-1212
        IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI;

    IpeAdminStatus ::=
        INTEGER { invalid(0), down(1), up(2) }


    IpeEnableDisableValue ::=
        INTEGER { invalid(0), disabled(1), enabled(2) }


    IpeEtherRingIndex ::=
        INTEGER (1..16)


    IpeEtherRingIndexOrZero ::=
        INTEGER (0..16)


    IpeEtherRingPortId ::=
        INTEGER (1..2)


    IpeEtherRingPortIdOrZero ::=
        INTEGER (0..2)


    IpeEtherRingProtoVersion ::=
        INTEGER { invalid(0), g8032v1(1), g8032v2(2) }


    IpeEtherRingVlanIndex ::=
        INTEGER (1..4094)


    IpeMepIdOrZero ::=
        INTEGER (0..128)


    IpeRingType ::=
        INTEGER { invalid(0), major(1), sub(2) }


    IpeVlanList ::=
        OCTET STRING (SIZE(512))
```

```
-- 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503
ipasolink400 OBJECT IDENTIFIER
    ::= { commonPnms 503 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501
pasoNeoIpe-common OBJECT IDENTIFIER
    ::= { ipasolink400 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3
alarmStatusGroup OBJECT IDENTIFIER
    ::= { pasoNeoIpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39
asEtherRingGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 39 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.1
asEtherRingTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsEtherRingEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This table contains Alarm & Status of Ethernet Ring Instance."
    ::= { asEtherRingGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.1.1
asEtherRingEntry OBJECT-TYPE
    SYNTAX          AsEtherRingEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asEtherRingNEAddress, asEtherRingRingIndex }
    ::= { asEtherRingTable 1 }

AsEtherRingEntry ::= SEQUENCE {
    asEtherRingRingIndex            IpeEtherRingIndex,
    asEtherRingNEAddress            IpAddress,
    asEtherRingState                INTEGER,
    asEtherRingCause                INTEGER,
    asEtherRingMultiRplOwnerDetect    INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.1.1.1
asEtherRingRingIndex OBJECT-TYPE
    SYNTAX          IpeEtherRingIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asEtherRingEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.1.1.2
asEtherRingNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asEtherRingEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.1.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.1.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.2
asEtherRingPortTable OBJECT-TYPE
        SYNTAX          SEQUENCE OF AsEtherRingPortEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "This table contains Alarm & Status of Ethernet Ring Instance."
        ::= { asEtherRingGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.2.1
asEtherRingPortEntry OBJECT-TYPE
        SYNTAX          AsEtherRingPortEntry
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                ""
        INDEX           { asEtherRingPortNEAddress, asEtherRingPortRingIndex, asEtherRingPortId }
        ::= { asEtherRingPortTable 1 }

AsEtherRingPortEntry ::= SEQUENCE {
        asEtherRingPortRingIndex        IpeEtherRingIndex,
        asEtherRingPortId               IpeEtherRingPortId,
        asEtherRingPortNEAddress        IpAddress,
        asEtherRingPortState            INTEGER,
        asEtherRingPortLoopDetect       INTEGER,
        asEtherRingPortProtoTimeout     INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.2.1.1
asEtherRingPortRingIndex OBJECT-TYPE
        SYNTAX          IpeEtherRingIndex
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Ethernet Ring Instance number."
        ::= { asEtherRingPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.2.1.2
asEtherRingPortId OBJECT-TYPE
        SYNTAX          IpeEtherRingPortId
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
                "Index of this table. This object represents the Ring port id of
                 the ring instance."
        ::= { asEtherRingPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.2.1.3
asEtherRingPortNEAddress OBJECT-TYPE
        SYNTAX          IpAddress
        ACCESS          not-accessible
        STATUS          mandatory
        DESCRIPTION
```

```
            "reserved."
        ::= { asEtherRingPortEntry 3 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.2.1.4
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.2.1.5
    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 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.39.2.1.6
    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 }

END -- end of module MIB-PNMSJ-IPASOLINK-400-ETH-RING-MIB.
```

Appendix 10: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-MSTP-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-MSTP-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        BridgeId
            FROM BRIDGE-MIB
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        Counter, IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI;

    EnableDisableValue ::=
        INTEGER { invalid(0), disable(1), enable(2) }


    IpeBridgePriority ::=
        INTEGER (0..61440)


    IpePortPathCost ::=
        INTEGER (0..200000000)


    IpePortPriority ::=
        INTEGER (0..240)


    IpePortRole ::=
        INTEGER { invalid(0), disabled(1), alternate(2), backup(3), root(4),
                        designated(5) }


    IpePortState ::=
        INTEGER { invalid(0), disabled(1), blocking(2), listening(3),
                        learning(4), forwarding(5), restricted(8),
                        guarded(9) }


    IpeVlanList ::=
        OCTET STRING (SIZE(512))


    -- 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503
ipasolink400 OBJECT IDENTIFIER
      ::= { commonPnms 503 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501
pasoNeoIpe-common OBJECT IDENTIFIER
      ::= { ipasolink400 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3
alarmStatusGroup OBJECT IDENTIFIER
      ::= { pasoNeoIpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44
asMstpGroup OBJECT IDENTIFIER
      ::= { alarmStatusGroup 44 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.1.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.1.1.1
asMstpBridgeCistIndex OBJECT-TYPE
      SYNTAX          INTEGER (1)
      ACCESS          not-accessible
      STATUS          mandatory
```

```
    DESCRIPTION
        "Index of this table."
    ::= { asMstpBridgeCistEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.1.1.2
asMstpBridgeCistNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          obsolete
    DESCRIPTION
        "reserved."
    ::= { asMstpBridgeCistEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.1.1.3
asMstpBridgeCistRegionalRoot OBJECT-TYPE
    SYNTAX          BridgeId
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.1.1.5
asMstpBridgeCistRoot OBJECT-TYPE
    SYNTAX          BridgeId
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { asMstpBridgeCistEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.2.1
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         BridgeId,
    asMstpBridgeMstTopChanges            Counter
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.2.1.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.2.1.2
asMstpBridgeMstNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        obsolete
    DESCRIPTION
        "reserved."
    ::= { asMstpBridgeMstEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.2.1.3
asMstpBridgeMstRegionalRoot OBJECT-TYPE
    SYNTAX        BridgeId
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.2.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1
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                     IpePortRole,
    asMstpPortCistState                    IpePortState,
    asMstpPortCistRegionalRoot             BridgeId,
    asMstpPortCistProtoVersion             INTEGER,
    asMstpPortCistPathCost                 INTEGER,
    asMstpPortCistInvalidBpdu              INTEGER,
    asMstpPortCistDesignatedPathCost       INTEGER,
    asMstpPortCistDesignatedBridge         BridgeId,
    asMstpPortCistDesignatedPort           OCTET STRING,
    asMstpPortCistForwardTransitions       Counter,
    asMstpPortCistOperEdgePort               INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.1
asMstpPortCistIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asMstpPortCistEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.2
asMstpPortCistNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          obsolete
    DESCRIPTION
        "reserved."
    ::= { asMstpPortCistEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.4
```

```
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.5
asMstpPortCistRegionalRoot OBJECT-TYPE
    SYNTAX          BridgeId
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.8
asMstpPortCistInvalidBpdu OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        ""
    ::= { asMstpPortCistEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.9
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.10
asMstpPortCistDesignatedBridge OBJECT-TYPE
    SYNTAX          BridgeId
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.11
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.12
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.3.1.13
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1
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                       IpePortRole,
    asMstpPortMstState                      IpePortState,
    asMstpPortMstRegionalRoot               BridgeId,
    asMstpPortMstPathCost                   INTEGER,
    asMstpPortMstDesignatedPathCost         INTEGER,
    asMstpPortMstDesignatedBridge           BridgeId,
    asMstpPortMstDesignatedPort             OCTET STRING
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.1
asMstpPortMstIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The object represents the interface."
    ::= { asMstpPortMstEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.3
asMstpPortMstNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          obsolete
    DESCRIPTION
        "reserved."
    ::= { asMstpPortMstEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.4
asMstpPortMstRole OBJECT-TYPE
    SYNTAX          IpePortRole
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.6
asMstpPortMstRegionalRoot OBJECT-TYPE
        SYNTAX          BridgeId
        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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.9
asMstpPortMstDesignatedBridge OBJECT-TYPE
        SYNTAX          BridgeId
        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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.44.4.1.10
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 -- end of module MIB-PNMSJ-IPASOLINK-400-MSTP-MIB.
```

Appendix 11: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-PTP-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-PTP-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex, InterfaceIndexOrZero
            FROM IF-MIB
        InetAddress, InetAddressType
            FROM INET-ADDRESS-MIB
        OBJECT-TYPE
            FROM RFC-1212
        IpAddress, Opaque, Gauge
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI
        DateAndTime
            FROM SNMPv2-TC;

    EnableDisableValue ::=
        INTEGER { invalid(0), disable(1), enable(2) }


    IpeClockIdentity ::=
        OCTET STRING (SIZE(0..8))


    IpeClockIntervalBase2 ::=
        INTEGER (-128..127)


    IpeClockPortState ::=
        INTEGER { invalid(0), initializing(1), faulty(2), disabled(3),
                        listening(4), preMaster(5), master(6), passive(7),
                        uncalibrated(8), slave(9) }


    IpeClockState ::=
        INTEGER { invalid(0), freerun(1), holdover(2), acquiring(3),
                        frequencyLocked(4), phaseAligned(5), warmUp(6) }


    IpeClockTxMode ::=
        INTEGER { invalid(0), unicast(1), multicast(2), multicastmix(3),
                        unknown(99) }


    IpeQualityAccuracy ::=
        INTEGER { invalid(0), reserved00(1), nanoSecond25(32),
                        nanoSecond100(33), nanoSecond250(34), microSec1(35),
                        microSec2dot5(36), microSec10(37), microSec25(38),
                        microSec100(39), microSec250(40), milliSec1(41),
                        milliSec2dot5(42), milliSec10(43), milliSec25(44),
                        milliSec100(45), milliSec250(46), second1(47),
                        second10(48), secondGreater10(49), unknown(254),
                        reserved255(255) }
```

```
IpeQualityClass ::=
      Gauge (0..255)


IpeVlanIndex ::=
      INTEGER (1..4094)


IpeVlanIndexOrZero ::=
      INTEGER (0..4094)


SeverityValue ::=
      INTEGER { cleared(1), indetermine(2), critical(3), major(4),
                              minor(5), warning(6) }


-- 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503
ipasolink400 OBJECT IDENTIFIER
      ::= { commonPnms 503 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501
pasoNeoIpe-common OBJECT IDENTIFIER
      ::= { ipasolink400 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3
alarmStatusGroup OBJECT IDENTIFIER
      ::= { pasoNeoIpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47
asPtpGroup OBJECT IDENTIFIER
      ::= { alarmStatusGroup 47 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1
asPtpClockGroup OBJECT IDENTIFIER
      ::= { asPtpGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.1
asPtpClockModeTable OBJECT-TYPE
```

```
    SYNTAX        SEQUENCE OF AsPtpClockModeEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "This table contains the PTP Clock information."
    ::= { asPtpClockGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.1.1
asPtpClockModeEntry OBJECT-TYPE
    SYNTAX        AsPtpClockModeEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX         { asPtpClockModeNEAddress, asPtpClockModeIndex }
    ::= { asPtpClockModeTable 1 }

AsPtpClockModeEntry ::= SEQUENCE {
    asPtpClockModeIndex             INTEGER,
    asPtpClockModeNEAddress         IpAddress,
    asPtpClockRunningState          IpeClockState
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.1.1.1
asPtpClockModeIndex OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table. The table is created per PTP card."
    ::= { asPtpClockModeEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.1.1.2
asPtpClockModeNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { asPtpClockModeEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.1.1.5
asPtpClockRunningState OBJECT-TYPE
    SYNTAX        IpeClockState
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "This object specifies the Clock state returned by PTP engine"
    ::= { asPtpClockModeEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4
asPtpParentDSTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF AsPtpParentDSEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Table of information about the PTP clock Parent Datasets"
    ::= { asPtpClockGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1
```

```
asPtpParentDSEntry OBJECT-TYPE
    SYNTAX          AsPtpParentDSEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        ""
    INDEX           { asPtpParentDSNEAddress, asPtpParentDSIndex }
    ::= { asPtpParentDSTable 1 }

AsPtpParentDSEntry ::= SEQUENCE {
    asPtpParentDSIndex                          INTEGER,
    asPtpParentDSNEAddress                      IpAddress,
    asPtpParentDSPortIdentity                   OCTET STRING,
    asPtpParentDSGMClockIdentity                IpeClockIdentity,
    asPtpParentDSGMClockPriority1               INTEGER,
    asPtpParentDSGMClockPriority2               INTEGER,
    asPtpParentDSGMClockQualityClass            IpeQualityClass,
    asPtpParentDSGMClockQualityAccuracy         IpeQualityAccuracy,
    asPtpParentDSGMClockQualityOffset           Gauge
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.1
asPtpParentDSIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The table is created per PTP card."
    ::= { asPtpParentDSEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.2
asPtpParentDSNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asPtpParentDSEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.3
asPtpParentDSPortIdentity OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..10))
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object specifies the value of portIdentity of the port on
         the master that issues the Sync messages used in synchronizing
         this clock."
    ::= { asPtpParentDSEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.7
asPtpParentDSGMClockIdentity OBJECT-TYPE
    SYNTAX          IpeClockIdentity
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object specifies the parent dataset Grandmaster clock
         identity."
    ::= { asPtpParentDSEntry 7 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.8
asPtpParentDSGMClockPriority1 OBJECT-TYPE
    SYNTAX         INTEGER (0..255)
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "This object specifies the parent dataset Grandmaster clock
         priority1."
    ::= { asPtpParentDSEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.9
asPtpParentDSGMClockPriority2 OBJECT-TYPE
    SYNTAX         INTEGER (0..255)
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "This object specifies the parent dataset grandmaster clock
         priority2."
    ::= { asPtpParentDSEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.10
asPtpParentDSGMClockQualityClass OBJECT-TYPE
    SYNTAX         IpeQualityClass
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "This object specifies the parent dataset grandmaster clock
         quality class."
    ::= { asPtpParentDSEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.11
asPtpParentDSGMClockQualityAccuracy OBJECT-TYPE
    SYNTAX         IpeQualityAccuracy
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "This object specifies the parent dataset grandmaster clock
         quality accuracy."
    ::= { asPtpParentDSEntry 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.4.1.12
asPtpParentDSGMClockQualityOffset OBJECT-TYPE
    SYNTAX         Gauge
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "This object specifies the parent dataset grandmaster clock
         quality offset."
    ::= { asPtpParentDSEntry 12 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7
asPtpPortCurrentTable OBJECT-TYPE
    SYNTAX         SEQUENCE OF AsPtpPortCurrentEntry
    ACCESS         not-accessible
    STATUS         mandatory
    DESCRIPTION
        "Table of information about the clock ports running dataset."
    ::= { asPtpClockGroup 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7.1
```

```
        asPtpPortCurrentEntry OBJECT-TYPE
            SYNTAX          AsPtpPortCurrentEntry
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                ""
            INDEX           { asPtpPortCurrentNEAddress, asPtpPortCurrentIfIndex,
    asPtpPortCurrentIfNumber }
            ::= { asPtpPortCurrentTable 1 }

        AsPtpPortCurrentEntry ::= SEQUENCE {
            asPtpPortCurrentIfIndex         InterfaceIndex,
            asPtpPortCurrentIfNumber        INTEGER,
            asPtpPortCurrentNEAddress       IpAddress,
            asPtpPortCurrentRole            INTEGER,
            asPtpPortCurrentState           IpeClockPortState,
            asPtpPortCurrentTxMode          IpeClockTxMode,
            asPtpPortCurrentRxMode          IpeClockTxMode
        }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7.1.1
        asPtpPortCurrentIfIndex OBJECT-TYPE
            SYNTAX          InterfaceIndex
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                "InterfaceIndex of this table."
            ::= { asPtpPortCurrentEntry 1 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7.1.2
        asPtpPortCurrentIfNumber OBJECT-TYPE
            SYNTAX          INTEGER (1..32)
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                "Administrative Number of logical port."
            ::= { asPtpPortCurrentEntry 2 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7.1.3
        asPtpPortCurrentNEAddress OBJECT-TYPE
            SYNTAX          IpAddress
            ACCESS          not-accessible
            STATUS          mandatory
            DESCRIPTION
                "reserved."
            ::= { asPtpPortCurrentEntry 3 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7.1.4
        asPtpPortCurrentRole OBJECT-TYPE
            SYNTAX          INTEGER { invalid(0), master(1), slave(2) }
            ACCESS          read-only
            STATUS          mandatory
            DESCRIPTION
                "This object specifies the Clock Role."
            ::= { asPtpPortCurrentEntry 4 }

        -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7.1.5
        asPtpPortCurrentState OBJECT-TYPE
            SYNTAX          IpeClockPortState
            ACCESS          read-only
        STATUS         mandatory
        DESCRIPTION
            "This object specifies the port state returned by PTP engine."
        ::= { asPtpPortCurrentEntry 5 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7.1.9
    asPtpPortCurrentTxMode OBJECT-TYPE
        SYNTAX         IpeClockTxMode
        ACCESS         read-only
        STATUS         mandatory
        DESCRIPTION
            "This object specifies the clock transmission mode as

             unicast:          Using unicast commnuication channel.
             multicast:        Using Multicast communication channel.
             multicast-mix: Using multicast-unicast communication channel"
        ::= { asPtpPortCurrentEntry 9 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.7.1.10
    asPtpPortCurrentRxMode OBJECT-TYPE
        SYNTAX         IpeClockTxMode
        ACCESS         read-only
        STATUS         mandatory
        DESCRIPTION
            "This object specifies the clock transmission mode as

             unicast:          Using unicast commnuication channel.
             multicast:        Using Multicast communication channel.
             multicast-mix: Using multicast-unicast communication channel"
        ::= { asPtpPortCurrentEntry 10 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9
    asPtpUnicastMasterTable OBJECT-TYPE
        SYNTAX         SEQUENCE OF AsPtpUnicastMasterEntry
        ACCESS         not-accessible
        STATUS         mandatory
        DESCRIPTION
            "This table contains unicast master node information and are
             created when the unicast master is registered."
        ::= { asPtpClockGroup 9 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1
    asPtpUnicastMasterEntry OBJECT-TYPE
        SYNTAX         AsPtpUnicastMasterEntry
        ACCESS         not-accessible
        STATUS         mandatory
        DESCRIPTION
            ""
        INDEX          { asPtpUnicastMasterNEAddress, asPtpUnicastMasterCardIndex,
asPtpUnicastMasterIndex }
        ::= { asPtpUnicastMasterTable 1 }

    AsPtpUnicastMasterEntry ::= SEQUENCE {
        asPtpUnicastMasterCardIndex                INTEGER,
        asPtpUnicastMasterIndex                    INTEGER,
        asPtpUnicastMasterNEAddress                IpAddress,
        asPtpUnicastMasterClockId                  IpeClockIdentity,
        asPtpUnicastMasterInetAddressType          InetAddressType,
        asPtpUnicastMasterInetAddress              InetAddress,
        asPtpUnicastMasterClockClass               IpeQualityClass,
    asPtpUnicastMasterStatus                    INTEGER,
    asPtpUnicastMasterLossAnnounceAlarm         SeverityValue,
    asPtpUnicastMasterLossSyncAlarm             SeverityValue,
    asPtpUnicastMasterUnusableAlarm             SeverityValue,
    asPtpUnicastMasterAssociatedIfIndex        InterfaceIndexOrZero,
    asPtpUnicastMasterAssociatedIfNum           INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.1
asPtpUnicastMasterCardIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. The value is equivalent to slot id."
    ::= { asPtpUnicastMasterEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.2
asPtpUnicastMasterIndex OBJECT-TYPE
    SYNTAX          INTEGER (1..5)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This objects specifies the unicast master index."
    ::= { asPtpUnicastMasterEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.3
asPtpUnicastMasterNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asPtpUnicastMasterEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.4
asPtpUnicastMasterClockId OBJECT-TYPE
    SYNTAX          IpeClockIdentity
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Clock Identity of Unicast Master Node."
    ::= { asPtpUnicastMasterEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.5
asPtpUnicastMasterInetAddressType OBJECT-TYPE
    SYNTAX          InetAddressType
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Address Type of Unicast Master Node."
    ::= { asPtpUnicastMasterEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.6
asPtpUnicastMasterInetAddress OBJECT-TYPE
    SYNTAX          InetAddress
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "IP Address of Unicast Master Node."
    ::= { asPtpUnicastMasterEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.7
asPtpUnicastMasterClockClass OBJECT-TYPE
    SYNTAX          IpeQualityClass
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The Clock Quality Class of the Unicast Master node."
    ::= { asPtpUnicastMasterEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.8
asPtpUnicastMasterStatus OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), notSelected(1), selected(2),
                      forced(3) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "The object specifies the selection status of unicast master as

          notSelected: node is not selected
          selected:    node is selected
          forced:      node is selected by force switch control

          for example, if the master3 is selected by normal selection
          algorithm, the value of this object will shown below.
            asPtpUnicastMasterState.1,2,4,5 = notSelected
            asPtpUnicastMasterState.3 = selected
          and other example, if the master5 is selected by the forced
          switch control,
            asPtpUnicastMasterState.1,2,3,4 = notSelected
            asPtpUnicastMasterState.5 = forced"
    ::= { asPtpUnicastMasterEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.9
asPtpUnicastMasterLossAnnounceAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object specifies whether the PTSF Loss Announce Alarm is
          detected for the unicast master."
    ::= { asPtpUnicastMasterEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.10
asPtpUnicastMasterLossSyncAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object specifies whether the PTSF Loss Sync Alarm is
          detected for the unicast master."
    ::= { asPtpUnicastMasterEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.11
asPtpUnicastMasterUnusableAlarm OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
```

```
            "This object specifies whether the PTSF Unusable Alarm is
             detected for the unicast master."
        ::= { asPtpUnicastMasterEntry 11 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.12
    asPtpUnicastMasterAssociatedIfIndex OBJECT-TYPE
        SYNTAX         InterfaceIndexOrZero
        ACCESS          read-only
        STATUS         mandatory
        DESCRIPTION
            "this object specifies the interface which is associated by the
             unicast master."
        ::= { asPtpUnicastMasterEntry 12 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.9.1.13
    asPtpUnicastMasterAssociatedIfNum OBJECT-TYPE
        SYNTAX         INTEGER (0..5)
        ACCESS          read-only
        STATUS         mandatory
        DESCRIPTION
            "this object specifies the logical interface number which is
             associated by the unicast master."
        ::= { asPtpUnicastMasterEntry 13 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10
    asPtpMulticastMasterTable OBJECT-TYPE
        SYNTAX         SEQUENCE OF AsPtpMulticastMasterEntry
        ACCESS          not-accessible
        STATUS         mandatory
        DESCRIPTION
            "This table contains multicast master node information.
             This table is created automatically when
             provPtpClockUnicastCapability is 'disable' and the logical
             interface is created."
        ::= { asPtpClockGroup 10 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1
    asPtpMulticastMasterEntry OBJECT-TYPE
        SYNTAX         AsPtpMulticastMasterEntry
        ACCESS          not-accessible
        STATUS         mandatory
        DESCRIPTION
            ""
        INDEX          { asPtpMulticastMasterNEAddress, asPtpMulticastMasterIfIndex,
asPtpMulticastMasterIfNum }
        ::= { asPtpMulticastMasterTable 1 }

    AsPtpMulticastMasterEntry ::= SEQUENCE {
        asPtpMulticastMasterIfIndex                    InterfaceIndex,
        asPtpMulticastMasterIfNum                       INTEGER,
        asPtpMulticastMasterNEAddress                    IpAddress,
        asPtpMulticastMasterClockId                    IpeClockIdentity,
        asPtpMulticastMasterInetAddressType             InetAddressType,
        asPtpMulticastMasterInetAddress                InetAddress,
        asPtpMulticastMasterClockClass                  IpeQualityClass,
        asPtpMulticastMasterStatus                     INTEGER,
        asPtpMulticastMasterLossAnnounceAlarm            SeverityValue,
        asPtpMulticastMasterLossSyncAlarm               SeverityValue,
        asPtpMulticastMasterUnusableAlarm               SeverityValue
    }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.1
asPtpMulticastMasterIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. This object represents the interface which
         is associated by the multicast master node."
    ::= { asPtpMulticastMasterEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.2
asPtpMulticastMasterIfNum OBJECT-TYPE
    SYNTAX          INTEGER (1..5)
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table. This object represents the locagical
         interface number which is associated by the multicast master
         node."
    ::= { asPtpMulticastMasterEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.3
asPtpMulticastMasterNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asPtpMulticastMasterEntry 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.4
asPtpMulticastMasterClockId OBJECT-TYPE
    SYNTAX          IpeClockIdentity
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Clock Identity of Muticast Master Node."
    ::= { asPtpMulticastMasterEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.5
asPtpMulticastMasterInetAddressType OBJECT-TYPE
    SYNTAX          InetAddressType
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Address Type of Multicast Master Node."
    ::= { asPtpMulticastMasterEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.6
asPtpMulticastMasterInetAddress OBJECT-TYPE
    SYNTAX          InetAddress
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "IP Address of Multicast Master Node."
    ::= { asPtpMulticastMasterEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.7
asPtpMulticastMasterClockClass OBJECT-TYPE
```

```
    SYNTAX         IpeQualityClass
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "The Clock Quality Class of the Multicast Master node."
    ::= { asPtpMulticastMasterEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.8
asPtpMulticastMasterStatus OBJECT-TYPE
    SYNTAX         INTEGER { invalid(0), notSelected(1), selected(2),
                     forced(3) }
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "The object specifies the selection status of Multicast master as

         notSelected: node is not selected
         selected:    node is selected
         forced:      node is selected by force switch control

         for example, if the master3 is selected by normal selection
         algorithm, the value of this object will shown below.
           asPtpMulticastMasterState.1,2,4,5 = notSelected
           asPtpMulticastMasterState.3 = selected
         and other example, if the master5 is selected by the forced
         switch control,
           asPtpMulticastMasterState.1,2,3,4 = notSelected
           asPtpMulticastMasterState.5 = forced"
    ::= { asPtpMulticastMasterEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.9
asPtpMulticastMasterLossAnnounceAlarm OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "This object specifies whether the PTSF Loss Announce Alarm is
         detected for the multicast master."
    ::= { asPtpMulticastMasterEntry 9 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.10
asPtpMulticastMasterLossSyncAlarm OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "This object specifies whether the PTSF Loss Sync Alarm is
         detected for the multicast master."
    ::= { asPtpMulticastMasterEntry 10 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.10.1.11
asPtpMulticastMasterUnusableAlarm OBJECT-TYPE
    SYNTAX         SeverityValue
    ACCESS         read-only
    STATUS         mandatory
    DESCRIPTION
        "This object specifies whether the PTSF Unusable Alarm is
         detected for the multicast master."
    ::= { asPtpMulticastMasterEntry 11 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11
asPtpSlaveTable OBJECT-TYPE
    SYNTAX        SEQUENCE OF AsPtpSlaveEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "This table contains slave node information and created
         automatically when the slave node is discovered."
    ::= { asPtpClockGroup 11 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1
asPtpSlaveEntry OBJECT-TYPE
    SYNTAX        AsPtpSlaveEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX         { asPtpSlaveNEAddress, asPtpSlaveCardIndex, asPtpSlaveClockId,
                    asPtpSlaveInetAddressType, asPtpSlaveInetAddress }
    ::= { asPtpSlaveTable 1 }

AsPtpSlaveEntry ::= SEQUENCE {
    asPtpSlaveCardIndex              INTEGER,
    asPtpSlaveClockId                IpeClockIdentity,
    asPtpSlaveInetAddressType        InetAddressType,
    asPtpSlaveInetAddress            InetAddress,
    asPtpSlaveNEAddress              IpAddress,
    asPtpSlaveAssociatedStatus       INTEGER,
    asPtpSlaveAssociatedIfIndex      InterfaceIndex,
    asPtpSlaveAssociatedIfNum        INTEGER
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1.1
asPtpSlaveCardIndex OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table. This object specifies slot number of the
         card which connected to the slave node."
    ::= { asPtpSlaveEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1.2
asPtpSlaveClockId OBJECT-TYPE
    SYNTAX        IpeClockIdentity
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "This object specifies Clock Identity of slave node."
    ::= { asPtpSlaveEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1.3
asPtpSlaveInetAddressType OBJECT-TYPE
    SYNTAX        InetAddressType
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "This object specifies Address type of slave node."
    ::= { asPtpSlaveEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1.4
asPtpSlaveInetAddress OBJECT-TYPE
    SYNTAX          InetAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This object specifies IP Address of slave node."
    ::= { asPtpSlaveEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1.5
asPtpSlaveNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asPtpSlaveEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1.6
asPtpSlaveAssociatedStatus OBJECT-TYPE
    SYNTAX          INTEGER { invalid(0), connected(1), timeout(2),
                              cancelled(3) }
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "This object shows the associated Slave node status.
         When the new node is detected, the new instance will be created
         and the status is set to 'connected'.
         When the associated node is removed because of the timeout, the
         value will be changed to 'timeout' and the instance will be
         removed. the value 'cancelled' means that the associated node is
         remove because of disconnect request from slave node."
    ::= { asPtpSlaveEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1.7
asPtpSlaveAssociatedIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "this object specifies the interface which is associated by the
         slave node."
    ::= { asPtpSlaveEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.1.11.1.8
asPtpSlaveAssociatedIfNum OBJECT-TYPE
    SYNTAX          INTEGER (1..32)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "this object specifies the logical interface number which is
         associated by the slave node."
    ::= { asPtpSlaveEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2
asPtpCardGroup OBJECT IDENTIFIER
    ::= { asPtpGroup 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1
asPtpCardTable OBJECT-TYPE
```

```
    SYNTAX        SEQUENCE OF AsPtpCardEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "This table contains the alarm and status information about PTP
         card."
    ::= { asPtpCardGroup 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1
asPtpCardEntry OBJECT-TYPE
    SYNTAX        AsPtpCardEntry
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        ""
    INDEX         { asPtpCardNEAddress, asPtpCardIndex }
    ::= { asPtpCardTable 1 }

AsPtpCardEntry ::= SEQUENCE {
    asPtpCardIndex                INTEGER,
    asPtpCardNEAddress            IpAddress,
    asPtpCardModuleFail           SeverityValue,
    asPtpCardComFailAlarm         SeverityValue,
    asPtpCardUnequipped           SeverityValue,
    asPtpCardTypeMismatch         SeverityValue,
    asPtpCardBusErrorTx           SeverityValue,
    asPtpCardBusErrorRx           SeverityValue,
    asPtpCardClockFail            SeverityValue,
    asPtpCardToDin                SeverityValue,
    asPtpCardPPSin                SeverityValue,
    asPtpCardToDInformation       DateAndTime
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.1
asPtpCardIndex OBJECT-TYPE
    SYNTAX        INTEGER
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "Index of this table. The table is created per PTP card."
    ::= { asPtpCardEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.2
asPtpCardNEAddress OBJECT-TYPE
    SYNTAX        IpAddress
    ACCESS        not-accessible
    STATUS        mandatory
    DESCRIPTION
        "reserved."
    ::= { asPtpCardEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.3
asPtpCardModuleFail OBJECT-TYPE
    SYNTAX        SeverityValue
    ACCESS        read-only
    STATUS        mandatory
    DESCRIPTION
        "MODULE Fail Alarm. The object reports the card doesn't work
         properly."
    ::= { asPtpCardEntry 3 }
```

```
-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.4
asPtpCardComFailAlarm OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "COMMUNICATION Fail Alarm. The object reports the failure of the
             control channel between PTP card and main card."
      ::= { asPtpCardEntry 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.5
asPtpCardUnequipped OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "UNEQUIPPED Alarm. The object reports the card is not installed
             properly."
      ::= { asPtpCardEntry 5 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.6
asPtpCardTypeMismatch OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "TYPE MISMATCH Alarm. The object reports the installed card is
             not PTP card."
      ::= { asPtpCardEntry 6 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.7
asPtpCardBusErrorTx OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "TX BUS ERROR Alarm. The object reports the failure of the Data
             traffic channel."
      ::= { asPtpCardEntry 7 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.8
asPtpCardBusErrorRx OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "RX BUS ERROR Alarm. The object reports the failure of the Data
             traffic channel."
      ::= { asPtpCardEntry 8 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.9
asPtpCardClockFail OBJECT-TYPE
      SYNTAX          SeverityValue
      ACCESS          read-only
      STATUS          mandatory
      DESCRIPTION
            "PTP CLK FAIL Alarm. The object reports the abnormal temperature
             around the internal clock."
      ::= { asPtpCardEntry 9 }
```

```
    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.10
    asPtpCardToDin OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "ToD Interface Input Alarm. The object reports the input failure
             of ToD interface."
        ::= { asPtpCardEntry 10 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.11
    asPtpCardPPSin OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "PPS Interface Input Alarm. The object reports the input failure
             of PPS interface."
        ::= { asPtpCardEntry 11 }

    -- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.47.2.1.1.12
    asPtpCardToDInformation OBJECT-TYPE
        SYNTAX          DateAndTime
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "the object reports the time of day information which is
             announced on the PTP network."
        ::= { asPtpCardEntry 12 }

END -- end of module MIB-PNMSJ-IPASOLINK-400-PTP-MIB.
```

Appendix 12: iPASOLINK 400 MIB Definition (MIB-PNMSJ-IPASOLINK-400-DOT3OAM-MIB.my)

```
MIB-PNMSJ-IPASOLINK-400-DOT3OAM-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        InterfaceIndex
            FROM IF-MIB
        OBJECT-TYPE
            FROM RFC-1212
        Counter, Gauge, IpAddress, Opaque
            FROM RFC1155-SMI
        enterprises
            FROM SNMPv2-SMI
        MacAddress
            FROM SNMPv2-TC;

    EnableDisableValue ::=
        INTEGER { invalid(0), disable(1), enable(2) }


    SeverityValue ::=
        INTEGER { cleared(1), indetermine(2), critical(3), major(4),
                        minor(5), warning(6) }
```

```
-- 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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503
ipasolink400 OBJECT IDENTIFIER
    ::= { commonPnms 503 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501
pasoNeoIpe-common OBJECT IDENTIFIER
    ::= { ipasolink400 501 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3
alarmStatusGroup OBJECT IDENTIFIER
    ::= { pasoNeoIpe-common 3 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46
asDot3OamGroup OBJECT IDENTIFIER
    ::= { alarmStatusGroup 46 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.1
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.1.1
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         OCTET STRING
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.1.1.1
asDot3OamPortIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of the entry."
    ::= { asDot3OamPortEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.1.1.2
asDot3OamPortNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asDot3OamPortEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.1.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.1.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.1.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.1.1.6
asDot3OamPortFunctionsSupported OBJECT-TYPE
        SYNTAX          OCTET STRING
        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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1
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     OCTET STRING
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.1
asDot3OamPeerIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asDot3OamPeerEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.2
asDot3OamPeerNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asDot3OamPeerEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.4
asDot3OamPeerVendorOui OBJECT-TYPE
        SYNTAX          OCTET STRING (SIZE(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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.2.1.9
asDot3OamPeerFunctionsSupported OBJECT-TYPE
    SYNTAX          OCTET STRING
    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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1
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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.1
asDot3OamPortStatsIfIndex OBJECT-TYPE
      SYNTAX          InterfaceIndex
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "Index of this table."
      ::= { asDot3OamPortStatsEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.2
asDot3OamPortStatsNEAddress OBJECT-TYPE
      SYNTAX          IpAddress
      ACCESS          not-accessible
      STATUS          mandatory
      DESCRIPTION
            "reserved."
      ::= { asDot3OamPortStatsEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.9
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.10
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.11
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.12
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.13
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.14
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.15
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.16
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.17
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.18
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.3.1.19
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 fram 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 ths MIB
         are incremented."
    ::= { asDot3OamPortStatsEntry 19 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4
asDot3OamPortAlarmTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF AsDot3OamPortAlarmEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "This table contains alarm & status information of the
         interface."
    ::= { asDot3OamGroup 4 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1
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 enery 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
}

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.1
asDot3OamPortAlarmIfIndex OBJECT-TYPE
    SYNTAX          InterfaceIndex
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "Index of this table."
    ::= { asDot3OamPortAlarmEntry 1 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.2
asDot3OamPortAlarmNEAddress OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION
        "reserved."
    ::= { asDot3OamPortAlarmEntry 2 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.3
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.4
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.5
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.6
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.7
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.8
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.9
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.10
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.11
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 }

-- 1.3.6.1.4.1.119.2.3.69.203.503.501.3.46.4.1.12
```

```
    asDot3OamPortRemoteCriticalEvent OBJECT-TYPE
        SYNTAX          SeverityValue
        ACCESS          read-only
        STATUS          mandatory
        DESCRIPTION
            "Receiving Critial Event OAMPDU.
             If the OAM entity receives the CriticalEvent OAMPDUs from peer,
             the object will report CriticalEvent Alarm of the interface."
        ::= { asDot3OamPortAlarmEntry 12 }

END -- end of module MIB-PNMSJ-IPASOLINK-400-DOT3OAM-MIB.
```