

NEC

PASOLINK

NETWORK

MANAGEMENT

SYSTEM

SNMP Interface Specification

for PASOLINK V4

(for PNMSj)

NEC Corporation

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1 Introduction

This document describes the PASOLINK V4 Management Information Base (MIB) in detail and the interface between the PNMS and the higher-level manager for PASOLINK V4 radio equipments. General descriptions of the PNMS SNMP interface pertaining to hardware configuration, communication protocol, interface function and PNMS MIB in summary status (group [cluster] status and NE status) are provided in "PNMS SNMP Interface Specification".

NEC solely provides MIB information. The actual to upper(higher-level) management system integration work should be performed by the customer.

2 PASOLINK V4 MIB

This section describes PASOLINK V4 MIB in detail, providing MIB definitions of PASOLINK V4 equipment for the upper(higher-level) manager and its collection of Trap names and Trap numbers. The detailed MIB definition is provided in the PASOLINK-MIB file (refer to the Appendix 1).

The detailed MIB for PASOLINK V4 equipment is described below.

The MIB tree is shown in the following Figure 1. The first seven entries are NEC assigned MIB objects.

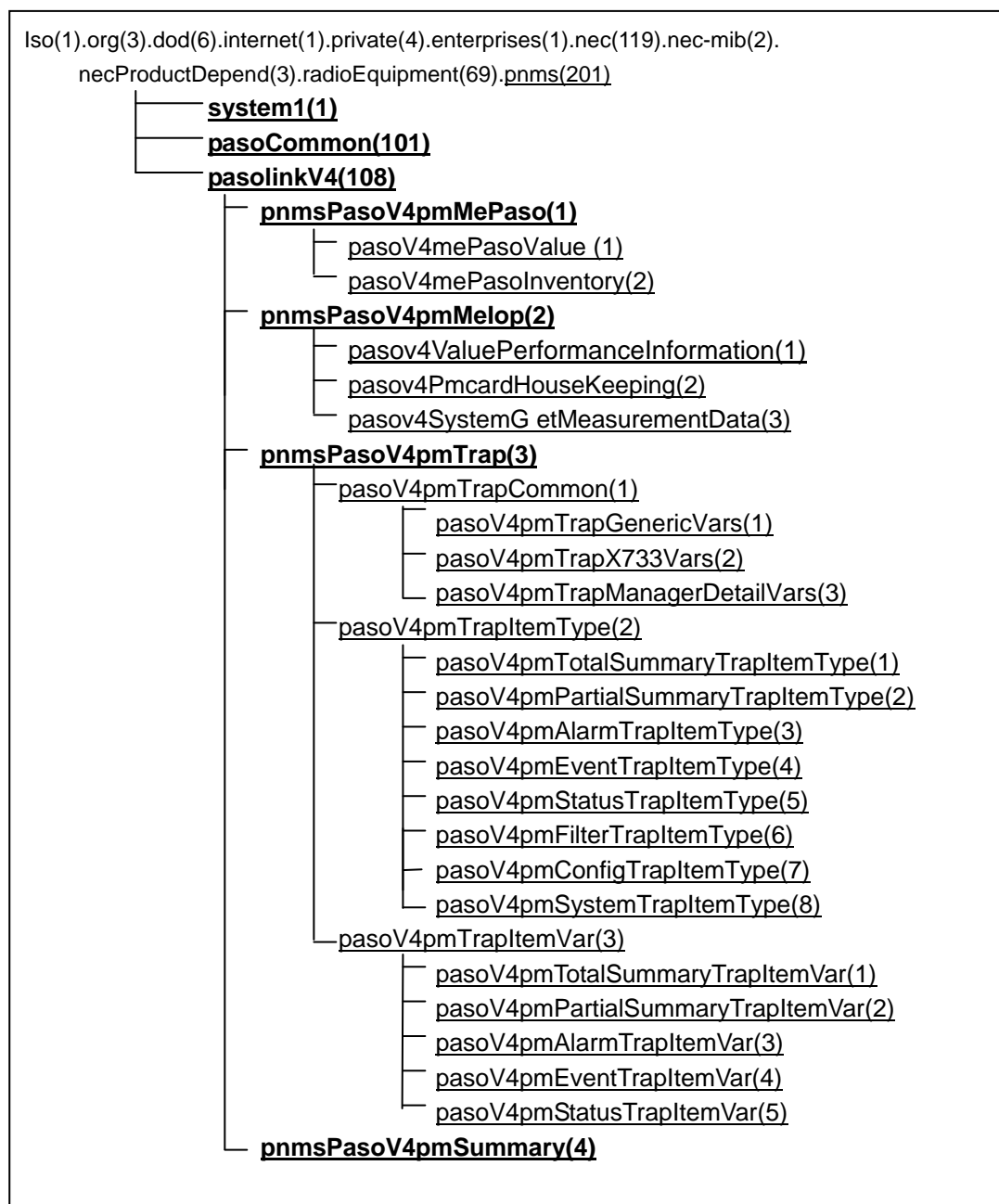


Figure 1 PASOLINK V4 MIB Tree

2.1 pasoV4pmSummaryItem group

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

- ODU summary status
- IDU summary status
- Auxiliary Input/output summary status
- Link performance monitor(LPM) summary status

2.1.1 pasoV4pmOtherSummaryTable

Object Name	ITEM	Trap Name	Trap Number
p4posPasolIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4posPmcSummary	PMC Summary	v4partialSummaryTrapPmc	12
p4posAuxSummary	Aux. I/O Summary	v4partialSummaryTrapAux	13
p4posLpmSummary	Link Performance Monitor Summary	v4partialSummaryTrapLpm	14

2.1.2 pasoV4pmSummaryTable

Object Name	ITEM	Trap Name	Trap Number
v4psPasolIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
v4psSummaryIndex	Summary Index	-----	-----
v4psOduSummary	ODU Summary	v4partialSummaryTrapOdu	10
v4psIduSummary	IDU Summary	v4partialSummaryTrapIdu	11

2.2 pasoV4mePasoValue group

The object IDs in this group defines alarm and status information of the ODU and IDU monitor and control item.

2.2.1 pasoV4mePasoValueCommonTable

Object Name	ITEM	Trap Name	Trap Number
p4mpvcPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mpvcBitFree	Status of Bit Rate free setting Invalid (0) Fixed Rate (1) 2/4/8x2MB(2) 2/4/8/16x2MB(3) 2/4x2MB(4) 8/16x2MB(5)	-----	
p4mpvcWsInputLoss	WS Input Loss Invalid (0) Normal(1) Alarm(2)	alarmTrapV4WsInputLoss	103
p4mpvcWsAisRcvd	WS AIS RCVD Invalid (0) Normal(1) Rcvd (2)	statusTrapV4WsAisRcvd	503
p4mpvcWsBpOutputLoss	WS BP Output Loss Invalid (0) Normal(1) Alarm(2)	alarmTrapV4WsBpOutputLoss	104
p4mpvcWsAisSend	WS AIS SEND Invalid (0) Normal(1) Send (2)	statusTrapV4WsAisSend	504
p4mpvcWsAlmInh	WS Alarm Inhibit Invalid (0) On(1) Off (2)	eventTrapV4WsAlmInh	201
p4mpvcDemInv	DEM INVERT Invalid (0) Normal(1) Invert (2)	eventTrapV4DemInv	224
p4mpvcSc4Selector	SC4 Selector Invalid (0) Rs232 (1) Dsc64kG703 (2) Dsc64kV11 (3)	eventTrapV4Sc4Selector	204
p4mpvcSc5Selector	SC5 Selector Invalid (0) RS-485 term (1) RS-422 (2) RS-485 non term (3) RS-232C (4)	eventTrapV4Sc5Selector	205
p4mpvcRemote	Switch Mode Invalid (0) Auto (1) Remote (manual)(2)	eventTrapV4Remote	207

Object Name	ITEM	Trap Name	Trap Number
p4mpvc64kMount	64K Mount Invalid (0) Dsc64kV11(1) Dsc64kV11(2) Rs232(3)	-----	-----
p4mpvcWsMount	WS Mount Invalid (0) Mount (1) Not used (2)	-----	-----
p4mpvcTxSelected	Selected TX Invalid (0) No.1(1) No.2(2)	eventTrapV4TxSelected	208
p4mpvcRxSelected	Selected RX Invalid (0) No.1(1) No.2(2)	eventTrapV4RxSelected	209
p4mpvcTxSel	TX Switch Invalid (0) Auto (1) No.1(2) No.2(3)	eventTrapV4TxSel	221
p4mpvcRxSel	RX Switch Invalid (0) Auto (1) No.1(2) No.2(3)	eventTrapV4RxSel	220
p4mpvcTxSelAns	TX Sel Ans Invalid (0) Auto (1) No.1(2) No.2(3)	eventTrapV4TxSelAns	223
p4mpvcRxSelAns	RX Sel Ans Invalid (0) Auto (1) No.1(2) No.2(3)	eventTrapV4RxSelAns	222

2.2.2 pasoV4mePasoValueCommonChTable

Object Name	ITEM	Trap Name	Trap Number
p4mpvccPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mpvccChIndex	(is used as index of this table, 1-16)	-----	-----
p4mpvccInputLoss	Input loss Invalid (0) Normal(1) Alarm(2)	alarmTrapV4InputLoss	101
p4mpvccBpOutputLoss	BP Output Loss Invalid (0) Normal(1) Alarm(2)	alarmTrapV4BpOutputLoss	102
p4mpvccAisRcvd	AIS RCVD Invalid (0) Normal(1) Rcvd (2)	statusTrapV4AisRcvd	501
p4mpvccAisSend	AIS RCVD Invalid (0) Normal(1) Send (2)	statusTrapV4AisSend	502
p4mpvccLB2	LB2 Invalid (0) Off (1) On (2)	eventTrapV4Lb2	202
p4mpvccLB1	LB1 Invalid (0) Off (1) On (2)	eventTrapV4Lb1	203
p4mpvccAlmInh	Alarm Inhibit Invalid (0) Off (1) On (2)	eventTrapV4AlmInh	204

2.2.3 pasoV4mePasoValueIndvTable

Object Name	ITEM	Trap Name	Trap Number
p4mpviPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mpvilflIndex	(is used as index of this table,1-2)	-----	-----
p4mpviOpr	Loss of communication between IDU and ODU Invalid (0) Normal(1) Alarm(2)	alarmTrapV4OduIduLink	105
p4mpvilflinput	Loss of ODU IF input signal Invalid (0) Normal(1) Alarm(2)	alarmTrapV4IfInput	106
p4mpviRxApc	RX or IF local oscillator unlock Invalid (0) Normal(1) Alarm(2)	alarmTrapV4RxApc	107
p4mpviTxApc	TX or RF local oscillator unlock Invalid (0) Normal(1) Alarm(2)	alarmTrapV4TxApc	108
p4mpviRxLev	Loss of RF input Invalid (0) Normal(1) Alarm(2)	alarmTrapV4RxLev	109
p4mpviTxPwr	Decrease in TX power Invalid (0) Normal(1) Alarm(2)	alarmTrapV4TxPwr	110
p4mpviLoBer	BER greater than 10-6 Invalid (0) Normal(1) Alarm(2)	alarmTrapV4LoBer	111
p4mpviHiBer	BER greater than 10-3 Invalid (0) Normal(1) Alarm(2)	alarmTrapV4HiBer	112
p4mpviBer	BER greater than threshold level Invalid (0) Normal(1) Alarm(2)	alarmTrapV4Ber	113
p4mpviFrameAsync	Frame async Invalid (0) Normal(1) Alarm(2)	alarmTrapV4FrameAsync	114
p4mpviDem	Loss of IF input signal Invalid (0) Normal(1) Alarm(2)	alarmTrapV4Dem	115
p4mpviMod	IF local oscillator unlock Invalid (0) Normal(1) Alarm(2)	alarmTrapV4Mod	116
p4mpviCpuAlarm	CPU failure on MD Invalid (0) Normal(1) Alarm(2)	alarmTrapV4CpuAlarm	117

Object Name	ITEM	Trap Name	Trap Number
p4mpviTxClkLoss	Loss of 2M INTFC TX clock Invalid (0) Normal(1) Alarm(2)	alarmTrapV4TxClkLoss	118
p4mpviRxClkLoss	Loss of 2M INTFC RX clock Invalid (0) Normal(1) Alarm(2)	alarmTrapV4RxClkLoss	119
p4mpviFrameID	Frame ID setting Invalid (0) ID0(1) ID1(2) ID2(3) ID3(4) ID4(5) ID5(6) ID6(7) ID7(8)	eventTrapV4FrameID	210
p4mpviBerThreshold	BER threshold setting Invalid (0) 1e-3(1) 1e-4(2) 1e-5(3) 1e-6(4)	eventTrapV4BerThreshold	211
p4mpviAisRcvd	AIS RCVD on/off control Invalid (0) Off (1) On (2)	eventTrapV4AisRcvd	212
p4mpviAisSend	Status of AIS SEND on/off control Invalid (0) Off (1) On (2)	eventTrapV4AisSend	213
p4mpviTxAtt	MTPC TX Power[dB] (deal with this value as a negative value)	eventTrapV4TxAtt	214
p4mpviBerAis	BER AIS on/off control Invalid (0) Off (1) On (2)	eventTrapV4BerAis	215
p4mpviCw	Carrier Wave on/off control Invalid (0) Off (1) On (2)	eventTrapV4Cw	216
p4mpviMaint	Maint on/off control Invalid (0) Off (1) On (2)	eventTrapV4Maint	217
p4mpviMute	TX mute on/off control Invalid (0) Off (1) On (2)	eventTrapV4Mute	218

2.2.4 pasoV4mePasoV4ValueCommonTable

Object Name	ITEM	Trap Name	Trap Number
p4mp4vcPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mp4vcV4Config	IDU&ODU Config 1+0(1) 1+0 Expandable (2) 1+1 Hot Standby (3) 1+1 Twin Path (4)	eventTrapV4Config	225
p4mp4vcV4ManualSw	Manual Switch Invalid (0) Auto (1) Manual (2)	eventTrapV4ManualSw	226
p4mp4vcV4BitRate	Status of Bit Rate setting Invalid (0) 2x2MB (1) 4x2MB (2) 8x2MB (3) 16x2MB (4) 1x8MB (5) 1x34MB (6) 4x1.5MB (7) 8x1.5MB (8) 1x45MB (9) 4x1.5MB (10) 8x1.5MB (11) 16x1.5MB (12)	eventTrapV4BitRate	227
p4mp4vcV4Sc2Mount	SC2 Mount Info. (ASC1 Mount) Invalid (0) ASC (1) 9.6K RS-232(2) 9.6K RS-422(3) LAN (4) ALM (5) Not used (6)	-----	-----
p4mp4vcV4Sc3Mount	SC3 Mount Info. (ASC2 Mount) Invalid (0) ASC (1) 9.6K RS-232(2) 9.6K RS-422(3) LAN (4) ALM (5) Not used (6)	-----	-----
p4mp4vcV4LanMount	LAN card Mount Info. Invalid (0) Mount (1) Not Mount (2)	eventTrapV4LanMount	228
p4mp4vcV4LanCardAlarm	LAN Card Alarm Invalid (0) Normal (1) Alarm (2)	alarmTrapV4LanCardAlarm	125
p4mp4vcV4FeLinkCtrl	Far End Link Down Invalid (0) Disable (1) Enable (2)	eventTrapV4FeLinkCtrl	229
p4mp4vcV4CollisionReport	NOT USED Invalid (0) Not reported (1) Reported (2)	-----	-----

Object Name	ITEM	Trap Name	Trap Number
p4mp4vcV4LanReset	NOT USED Invalid (0) Lan Reset (1)	-----	-----
p4mp4vcDsCableLengthWs	Cable Length Ws Invalid (0) Not used (1) 0-40m(0-133ft) (2) 40-81m(133-266ft) (3) 81-121m(266-399ft) (4)	eventTrapV4CableLengthWs	242
p4mp4vcCableLengthDs3	NOT USED Invalid (0) 0-68m(0-225ft) (1) 68-135m*225-450ft) (2)	eventTrapV4CableLength	244
p4mp4vcAisEnbDs3	DS3 Framed AIS Enable Invalid (0) Framed (1) Unframed (2)	eventTrapV4AisEnbDs3	240
p4mp4vcBipolarCodeWs	Bipolar Code Ws Invalid (0) B8ZS (1) AMI (2)	eventTrapV4BipolarCodeWs	241
p4mp4vcAlmcFuncEnable	ALMC Function Enable Information CH Usage Enable (0) NE500 Enable (1) LAN report Enable (2) TX SW priority Enable (3)	-----	-----
p4mp4vcTxSwPriority	TX Switch Priority Invalid (0) Non Priority (1) Priority No.1(2)	eventTrapV4TxSwPriority	253
p4mp4vcNe500Ctrl	NE500 Report Control Invalid (0) Reported (1) Not reported (2)	eventTrapV4Ne500Ctrl	254
p4mp4vcAisRcvdInh	NOT USED Invalid (0) Reported (1) Not reported (2)	eventTrapV4AisRcvdInh	255
p4mp4vcWsAisRcvdInh	WS AIS RCVD Report Control Invalid (0) Reported (1) Not reported (2)	eventTrapV4WsAisRcvdInh	256
p4mp4vcChUsageErrorCtrl	CH Usage Error Report Control Invalid (0) Not reported (1) Reported (2)	eventTrapV4ChUsageErrorCtrl	257
p4mp4vcChUsageError	NOT USED CH Usage Error Invalid (0) Normal (1) Alarm (2)	alarmTrapChUsageError	126
p4mp4vcWsChUsageError	WS CH Usage Error Invalid (0) Normal (1) Alarm (2)	alarmTrapWsChUsageError	127
p4mp4vcPortAlarm	PM-ALM/CONT communication Alarm Invalid (0) Normal (1) Alarm (2)	-----	-----
p4mp4vcHardwareYearMonth	Hardware Date of Manufacture	-----	-----

Object Name	ITEM	Trap Name	Trap Number
p4mp4vcSoftwareVersion	Software Version	-----	-----
p4mp4vcBerCurrentValue	BER Value	-----	-----
p4mp4vcEquipmentPmcType	PMC Type Invalid (0) North America Serial (17) North America LAN (18) CEPT Serial (33) CEPT LAN (34)	-----	-----
p4mp4vcCodeNo	Code No	-----	-----
p4mp4vcSerialNo	Serial No	-----	-----

2.2.5 pasoV4mePasoV4ValueCommonChTable

Object Name	ITEM	Trap Name	Trap Number
p4mp4vcCHPasolIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mp4vcCHIndex	(is used as index of this table, 1-16)	-----	-----
p4mp4vcCHAisRcvdInh	AIS RCVD Report Control Invalid (0) Reported (1) Not reported (2)	eventTrapV4AisRcvdInh	255
p4mp4vcCHChUsageError	CH Usage Error Invalid (0) Normal (1) Alarm (2)	alarmTrapChUsageError	126

2.2.6 pasoV4mePasoV4ValueCommonLanTable

Object Name	ITEM	Trap Name	Trap Number
p4mp4vcIPasolIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mp4vcILanIndex	(is used as index of this table, 1-2)	-----	-----
p4mp4vcILanWanSel	Framing (LAN/WAN Select) Invalid (0) Off (1) On (2)	EventTrapV4LanWanSel	231
p4mp4vcILanFlowCtrl	LAN Flow Control Invalid (0) Off (1) On (2)	EventTrapV4FlowCtrl	234
p4mp4vcILanThroughput	LAN Throughput Invalid (0) Disable (1) 2MB/1.5MB (2) 4MB/3MB (3) 8MB/6MB (4) 16MB/12MB (5) 32MB/24MB (6)	eventTrapV4LanThroughput	230
p4mp4vcICasCtrl	CAS control Invalid (0) Off (1) On (2)	eventTrapV4CasCtrl	232
p4mp4vcICrcCtrl	CRC control Invalid (0) Off (1) On (2)	eventTrapV4CrcCtrl	233

Object Name	ITEM	Trap Name	Trap Number
p4mp4vclCollAlarm	Collision Alarm Invalid (0) Normal (1) Collision (2)	eventTrapV4CollAlarm	238
p4mp4vclLanLinkAlarm	LAN Link Alarm Invalid (0) Normal (1) Alarm (2)	alarmTrapV4LanLinkAlarm	124
p4mp4vclLanMode	LAN Mode Invalid (0) AUTONG *AUTO-MDI/MDIX (1) 10M-HALF(MDI) (2) 10M-FULL (MDI) (3) 100M-HALF(MDI) (4) 100M-FULL(MDI) (5) 10M-HALF(MDIX) (6) 10M-FULL(MDIX) (7) 100M-HALF(MDIX) (8) 100M-FULL(MDIX) (9)	eventTrapV4LanMode	235
p4mp4vclLanCollReport	LAN Collision Report Invalid (0) Not Reported (1) Reported (2)	eventTrapV4CollisionReport	236
p4mp4vclLanReset	LAN Reset Invalid (0) Lan Reset (1)	eventTrapV4LanReset	237

2.2.7 pasoV4mePasoV4ValueCommonDsTable

Object Name	ITEM	Trap Name	Trap Number
p4mp4vcdPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mp4vcdDsIndex	(is used as index of this table, 1-4)	-----	-----
p4mp4vcdCableLength	Cable Length	eventTrapV4CableLengthDs3	239
p4mp4vcdBipolarCode	Bipolar Code	-----	-----

2.2.8 pasoV4mePasoV4ValueIndvTable

Object Name	ITEM	Trap Name	Trap Number
p4mp4viPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mp4viV4IfIndex	(is used as index of this table,1-2)	-----	-----
p4mp4viV4Mode	V3 / V4 mode Invalid (0) V3 (1) V4 (2)	-----	-----
p4mp4viV4Atpc	ATPC information Invalid (0) MTPC (1) ATPC (2)	eventTrapV4Atpc	245
p4mp4viV4AtpcRxThreshold	ATPC RX Threshold (deal with this value as a negative value)	eventTrapV4AtpcRxThreshold	246
p4mp4viV4AtpcMaxPower	ATPC Max Power (deal with this value as a negative value)	eventTrapV4AtpcMaxPower	247
p4mp4viV4AtpcMinPower	ATPC Min Power (deal with this value as a negative value)	eventTrapV4AtpcMinPower	248
p4mp4viV4OduAlmMode	ODU Alarm Mode Invalid (0) HOLD (1) MIN (2) MAX (3)	eventTrapV4OduAlmMode	249
p4mp4viV4TxFreq	TX RF frequency[MHz]	eventTrapV4TxFreq	250
p4mp4viV4RxFreq	RX RF frequency[MHz]	eventTrapV4RxFreq	251
p4mp4viV4AtpcManualCtrl	Setting of ATPC Manual control signal Invalid (0) Off (1) On (2)	eventTrapV4AtpcManualCtrl	258
p4mp4viV4BerAisMaint	Setting of BER AIS include to Maint Invalid (0) Enable (1) Disable (2)	eventTrapV4BerAisMaint	259
p4mp4viV4Version	Status of IDU and ODU mode Invalid (0) 3.0 (1) 3.1 (1)	-----	-----
p4mp4viV4V3D	Information of ODU Frequency Band Invalid (0) V3 (1) V3D (2)	-----	-----
p4mp4viV4TxFreqCh	TX RF frequency setting	eventTrapV4TxFreqCh	260
p4mp4viV4TxPowerMon	TX Power monitor	-----	-----
p4mp4viV4RxLevMon	RX Level monitor	-----	-----

2.3 pasoV4mePasolInventory group

2.3.1 pasoV4mePasoV4InvIndvTable

Object Name	ITEM	Trap Name	Trap Number
p4mp4iiV4PasolIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mp4iiV4IfIndex	(is used as index of this table,1-2)	-----	-----
p4mp4iiV4OduRfBand	ODU RF Band	-----	-----
p4mp4iiV4OduShiftFreq	ODU Shift Frequency[MHz]	-----	-----
p4mp4iiV4OduChSepa	ODU Channel Separation	-----	-----
p4mp4iiV4OduSubBand	ODU Sub Band Invalid (0) Subband A (1) Subband B (2) Subband C (3) Subband D (4) Subband E (5) Subband F (6) Subband G (7) Subband H (8) Subband J (9) Subband K (10) Subband L (11) Subband M (12) Subband N (13) Subband P (14) Subband R (15) Subband X (16)	-----	-----
p4mp4iiV4OduLowHighBand	ODU Low/High Band Invalid (0) Low (1) High (2)	-----	-----
p4mp4iiV4OduCapacity	ODU Capacity Invalid (0) 8MB (1) 34MB (2)	-----	-----
p4mp4iiV4OduYearMonth	ODU Date of Manufacture	-----	-----
p4mp4iiV4OduCpuVersion	NOT USED	-----	-----
p4mp4iiV4OduSwVersion	ODU Software Version	-----	-----
p4mp4iiV4OduStartFreq	ODU Start Frequency[MHz]	-----	-----
p4mp4iiV4OduSerial	ODU Serial Number[MHz]	-----	-----
p4mp4iiV4OduMaxPower	ODU Max Power	-----	-----
p4mp4iiV4MdYearMonth	MD Date of Manufacture	-----	-----
p4mp4iiV4MdCpuVersion	NOT USED	-----	-----
p4mp4iiV4MdSoftVersion	MD Software Version	-----	-----
p4mp4iiV4MdSerial	MD Serial Number	-----	-----
p4mp4iiV4OduMaxCh	ODU Max Channel	-----	-----
p4mp4iiV4OduMinCh	ODU Min Channel	-----	-----

2.3.2 pasoV4mePasoV4InvCommTable

Object Name	ITEM	Trap Name	Trap Number
p4mp4icV4PasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4mp4icV4SwYearMonth	SW date of Manufacture	-----	-----
p4mp4icV4SwCpuVersion	NOT USED	-----	-----
p4mp4icV4SwSoftVersion	SW Software Version	-----	-----
p4mp4icV4SwSerial	SW Serial Number	-----	-----

2.4 pasoV4ValuePerformanceInformation group

2.4.1 pasoV4PmonDataTable

Object Name	ITEM	Trap Name	Trap Number
p4pdDataPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4pdDataItemName	Data Type Invalid (0) pmonBBE (1) pmonES (2) pmonSES (3) pmonUAS (4)	-----	-----
p4pdDataCurrent15minData	Totaling the data during 15min	-----	-----
p4pdDataCurrent15minStatus	Status of total 15min data Invalid (0) Normal (1) Alarm (2)	alarmTrapV4PmonDaily	120
p4pdDataCurrentDayData	Totaling the data during 1day	-----	-----
p4pdDataCurrentDayStatus	Status of total 1day data Invalid (0) Normal (1) Alarm (2)	alarmTrapV4PmonWeekly	121
p4pdDataHistory15minStatus	Daily alarm history Invalid (0) Normal (1) Alarm (2)	-----	-----
p4pdDataHistoryDayStatus	Weekly alarm history Invalid (0) Normal (1) Alarm (2)	-----	-----

2.4.2 pasov4PmonThresholdTable

Object Name	ITEM	Trap Name	Trap Number
p4ptThresholdPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4ptThresholdItemName	Data Type Invalid (0) pmonBBE (1) pmonES (2) pmonSES (3) pmonUAS (4)	-----	-----
p4ptThreshold15minOccur	Performance Monitor Threshold daily occurrence	-----	-----
p4ptThreshold15minRecover	Performance Monitor Threshold daily recovery	-----	-----
p4ptThresholdDayOccur	Performance Monitor Threshold weekly occurred	-----	-----
p4ptThresholdDayRecover	Performance Monitor Threshold weekly recovery	-----	-----

2.5 pasov4PmcardHouseKeeping

2.5.1 pasov4PmcardAuxInputTable

Object Name	ITEM	Trap Name	Trap Number
p4paiPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4paiPasoInputIndex	(is used as index of this table, 1-6)	-----	-----
p4paiPasoInputName	Aux. I/O input Name	configPasov4InputName	400
p4paiPasoInputStatus	Aux. I/O Input Status Invalid (0) Event Off-Open Loop (1) Event On-Close Loop (2)	statusTrapV4AuxInput -	505
p4paiPasoInputStatusType	Aux. I/O Input Status Type Invalid (0) Alarm When Event Off-Open Loop (1) Alarm When Event On-Close Loop (2) Status (3)	configPasov4InputCondition	401

2.5.2 pasov4PmcardAuxOutputTable

Object Name	ITEM	Trap Name	Trap Number
p4paoPasoIndex	Pasolink NE IP address (is used as index of this table)	-----	-----
p4paoPasoOutputIndex	(is used as index of this table, 1-4)	-----	-----
p4paoPasoOutputName	Aux. I/O Output Name	configPasov4OutputName	402
p4paoPasoOutputStatus	Aux. I/O Output Status Invalid (0) Event Off-Open Loop (1) Event On-Close Loop (2)	-----	-----

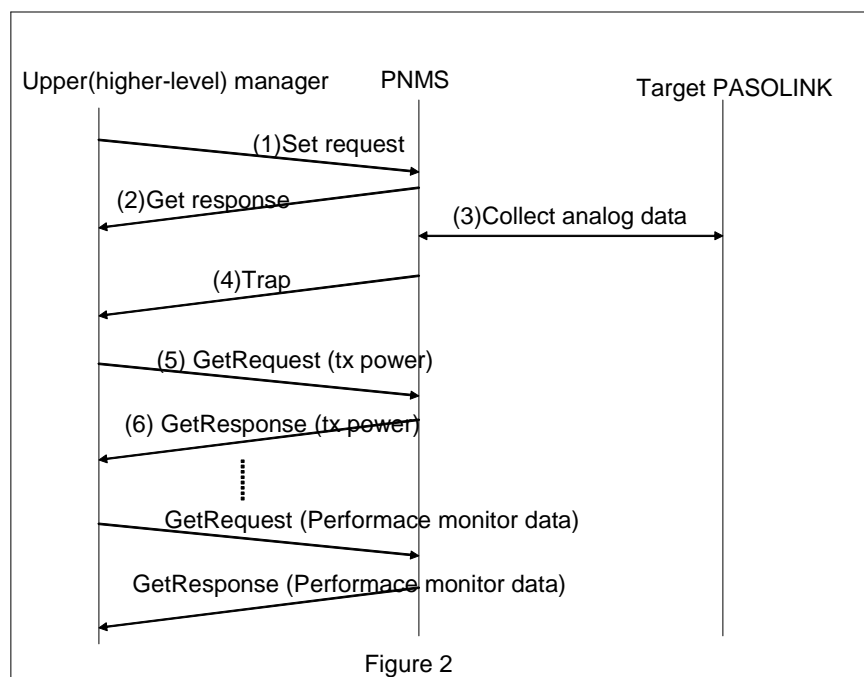
2.6 pasov4Get MeasurementData group

The following information in this MIB can be updated by using a Link Summary window on PNMS. In order to acquire the newest values for the equipment (which are not displayed in the Link Summary window) it is necessary to use the following procedure and the *pasov4GetMeasurement Table*.

<Measurement group>
 p4mp4viV4TxPowerMon
 p4mp4viV4RxLevMon

< pasov4PmonData group>
 p4pdDataCurrent15minData Not Used
 p4pdDataCurrent15minStatus Not Used
 p4pdDataCurrentDayData Not Used
 p4pdDataCurrentDayStatus Not Used
 p4pdDataHistory15minStatus Not Used
 p4pdDataHistoryDayStatus Not Used

Figure 2 describes the sequence of exchange in order to obtain monitoring numerical value of each PASOLINK by the upper(higher-level) manager.



<Procedure>

1. The IP address for the equipment and the unique request ID, which is set on an upper(higher-level) manager according to the upper(higher-level) manager rule, are set to p4gmTargetPasolink and p4gmRequestID, respectively.
2. PNMS collects the above-mentioned information on the designated equipment.
3. PNMS notifies a upper(higher-level) manager of systemPasov4GetResult Trap (Trap Number=600) after completing collection.
4. An upper(higher-level) manager collects the above-mentioned information from PNMS after receiving a trap.

By this method, an upper(higher-level) manager can collect the above-mentioned information on selected equipment from PNMS.

(Note: When the operator uses this MIB, it is necessary to use the index of the upper(higher-level) manager's IP address.)

pasov4GetMeasurement Table

Object Name	ITEM	Trap Name	Trap Number
p4gmManagerIndex	Upper(higher-level) Manager IP address (is used as index of this table)	-----	-----
p4gmRequestID	Request ID	-----	-----
p4gmTargetPasolink	Target Pasolink IP address	-----	-----
p4gmDataStatus	Data Status Invalid (0) ready (1) wait (2) Failed (3)	systemPasov4GetResult	600

Appendix 1

PASOLINK V4 MIB Definition

```
-----
-- Pasolink V4 MIB Java Version
--
```

```
-- 1st 2003 JUN 26
-- 2nd 2003 Oct 27
-- 3rd 2003 Nov 10
-- 4th 2003 Nov 26
-- 5th 2005 Aug 04
-- 6th 2005 Oct 25
-- 7th 2005 Dec 29
-- 8th 2006 Jan 16
-- 9th 2006 Jan 18
-- 10th 2007 Jul 30
-----
```

```
MIB-PNMSJ-PASOLINK-V4 DEFINITIONS ::= BEGIN
```

```
-----
-- Imports Definitions
-----
```

```
IMPORTS
    IpAddress, Counter, TimeTicks, enterprises
        FROM RFC1155-SMI
    DisplayString
        FROM RFC1213-MIB
    OBJECT-TYPE
        FROM RFC-1212
    pnms
        FROM NEC-SMI;
```

```
-----
-- Begin User MIB Object Definitions
-----
```

```
SeverityValue ::= TEXTUAL-CONVENTION
    STATUS current
    DESCRIPTION "Severity (CCITT Rec. X.733)
        invalid(0),
        clear(1),
        minor(2),
        major(3),
        critical(4)"
    SYNTAX INTEGER (0..4)

AlarmTypeValue ::= TEXTUAL-CONVENTION
    STATUS current
    DESCRIPTION "Alarm Type (CCITT Rec. X.733)
        invalid(0),
        communicationAlarm(1),
        qualityOfServiceAlarm(2),
        processingErrorAlarm(3),
        equipmentAlarm(4),
        environmentalAlarm(5),
        integrityViolationAlarm(6),
        operationalViolationAlarm(7),
        physicalViolationAlarm(8),
        securityViolationAlarm(9),
        timeDomainViolationAlarm(10)"
    SYNTAX INTEGER (0..10)

ProbableCauseValue ::= TEXTUAL-CONVENTION
    STATUS current
    DESCRIPTION "Probable Cause (CCITT Rec. X.733)
        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),
 backplaneFailure(51),
 dataSetProblem(52),
 equipmentIdentifierDuplication(53),
 externalIFDeviceProblem(54),
 lineCardProblem(55),
 multiplexerProblem(56),
 neldentifierDuplication(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),
 airCompressorFailure(101),
 airConditioningFailure(102),
 airDryerFailure(103),
 batteryDischarging(104),
 batteryFailure(105),
 commercialPowerFailure(106),
 coolingFanFailure(107),
 engineFailure(108),
 fireDetectorFailure(109),
 fuseFailure(110),
 generatorFailure(111),
 lowBatteryThreshold(112),
 pumpFailure(113),
 rectifierFailure(114),
 rectifierHighVoltage(115),
 rectifierLowFVoltage(116),
 ventilationsSystemFailure(117),
 enclosureDoorOpen(118),
 explosiveGas(119),
 fire(120),
 flood(121),
 highHumidity(122),
 highTemperature(123),
 highWind(124),
 iceBuildUp(125),
 intrusionDetection(126),
 lowFuel(127),
 lowHumidity(128),
 lowCablePressure(129),
 lowTemperature(130),
 lowWater(131),
 smoke(132),
 toxicGas(133),
 storageCapacityProblem(151),
 memoryMismatch(152),
 corruptData(153),
 outOfCPUCycles(154),

sfwrEnvironmentProblem(155),
 sfwrDownloadFailure(156),
 communicationsProtocolError(157),
 congestion(158),
 heatingOrVentilationOrCoolingSystemProblem(159),
 lanError(160),
 performanceDegraded(161),
 temperatureUnacceptable(162),
 thresholdCrossed(163),
 underlyingResourceUnavailable(164),
 equipmentMalfunction(165),
 configurationOrCustomizationError(166),
 duplicateInformation(501),
 informationMissing(502),
 informationModificationDetected(503),
 informationOutOfSequence(504),
 unexpectedInformation(505),
 denialOfService(506),
 outOfService(507),
 proceduralError(508),
 cableTamper(509),
 securityIntrusionDetection(510),
 authenticationFailure(511),
 breachOfConfidentiality(512),
 unauthorisedAccessAttempt(513),
 delayedInformation(514),
 keyExpired(515),
 outOfHoursActivity(516),
 otherReasons(517),
 bossHardwareFailure(518),
 bossSystemSoftwareFailure(519),
 bossApplicationSoftwareFailure(520),
 bossDatabaseFailure(521),
 bossNetworkFailure(522)"

SYNTAX INTEGER (0..522)

ManagerTypeValue ::= TEXTUAL-CONVENTION

STATUS current
 DESCRIPTION "ManagerType
 invalid(0),
 pnms(1),
 pnmt(2),
 generic(3)"

SYNTAX INTEGER (0..3)

ManagerStyleValue ::= TEXTUAL-CONVENTION

STATUS current
 DESCRIPTION "ManagerType
 invalid(0),
 local(1),
 remote(2),
 opposite(3),
 debug(100)"

SYNTAX INTEGER (0..3)

 -- enterprises Group Definitions

pasolinkV4 OBJECT IDENTIFIER
 ::= { pnms 108 }

 -- pasolinkV3 Group Definitions

pnmsPasoV4pmMePaso OBJECT IDENTIFIER

```

::= { pasolinkV4 1 }

pnmsPasoV4pmMelop OBJECT IDENTIFIER
::= { pasolinkV4 2 }

pnmsPasoV4pmTrap OBJECT IDENTIFIER
::= { pasolinkV4 3 }

pnmsPasoV4pmSummary OBJECT IDENTIFIER
::= { pasolinkV4 4 }

-----
-- PVC V3
-----

pasoV4mePasoValue OBJECT IDENTIFIER
::= { pnmsPasoV4pmMePaso 1 }

pasoV4mePasoValueCommonTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PasoV4mePasoValueCommonEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Pasolink V4 Common Items"
    ::= { pasoV4mePasoValue 1 }

pasoV4mePasoValueCommonEntry OBJECT-TYPE
    SYNTAX      PasoV4mePasoValueCommonEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Common Entry"
    INDEX      {
                p4mpvcPasoIndex
            }
    ::= { pasoV4mePasoValueCommonTable 1 }

PasoV4mePasoValueCommonEntry ::= SEQUENCE {
    p4mpvcPasoIndex          IpAddress,
    p4mpvcBitFree            INTEGER,
    p4mpvcWsInputLoss        INTEGER,
    p4mpvcWsAisRcvd          INTEGER,
    p4mpvcWsBpOutputLoss     INTEGER,
    p4mpvcWsAisSend          INTEGER,
    p4mpvcWsAlmInh           INTEGER,
    p4mpvcDemInV             INTEGER,
    p4mpvcSc4Selector        INTEGER,
    p4mpvcSc5Selector        INTEGER,
    p4mpvcRemote             INTEGER,
    p4mpvc64kMount           INTEGER,
    p4mpvcWsMount            INTEGER,
    p4mpvcTxSelected         INTEGER,
    p4mpvcRxSelected         INTEGER,
    p4mpvcTxSel              INTEGER,
    p4mpvcRxSel              INTEGER,
    p4mpvcTxSelAns           INTEGER,
    p4mpvcRxSelAns           INTEGER
}

p4mpvcPasoIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Pasolink IpAddress"
    ::= { pasoV4mePasoValueCommonEntry 1 }

p4mpvcBitFree OBJECT-TYPE
    SYNTAX      INTEGER (0..5)
    ACCESS      read-only

```

STATUS	mandatory
DESCRIPTION	"Status of BIT RATE FREE setting 0: Invalid 1: Fixed Rate 2: 2/4/8x2MB 3: 2/4/8/16x2MB 4: 2/4x2MB 5: 8/16x2MB"

::= { pasoV4mePasoValueCommonEntry 2 }

p4mpvcWsInputLoss OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"WS Input Loss 0: Invalid 1: Normal 2: Alarm"

::= { pasoV4mePasoValueCommonEntry 3 }

p4mpvcWsAisRcvd OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"WS AIS RCVD 0: Invalid 1: Normal 2: Rcvd"

::= { pasoV4mePasoValueCommonEntry 4 }

p4mpvcWsBpOutputLoss OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"WS BP Output Loss 0: Invalid 1: Normal 2: Alarm"

::= { pasoV4mePasoValueCommonEntry 5 }

p4mpvcWsAisSend OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"WS AIS SEND 0: Invalid 1: Normal 2: Send"

::= { pasoV4mePasoValueCommonEntry 6 }

p4mpvcWsAlmInh OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"WS Alarm Inhibit 0: Invalid 1: On 2: Off"

::= { pasoV4mePasoValueCommonEntry 7 }

p4mpvcDemInv OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"DEM Invert 0: Invalid 1: Normal"

```

                2: Invert"
::= { pasoV4mePasoValueCommonEntry 8 }

p4mpvcSc4Selector OBJECT-TYPE
    SYNTAX      INTEGER (0..3)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "SC4 Selector
                0: Invalid
                1: Rs232
                2: Dsc64kG703
                3: Dsc64kV11"
::= { pasoV4mePasoValueCommonEntry 9 }

p4mpvcSc5Selector OBJECT-TYPE
    SYNTAX      INTEGER (0..4)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "SC5 Selector
                0: Invalid
                1: RS-485 term
                2: RS-422
                3: RS-485 non term
                4: RS-232C"
::= { pasoV4mePasoValueCommonEntry 10 }

p4mpvcRemote OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Switch Mode
                0: Invalid
                1: Auto
                2: Remote(Manual)"
::= { pasoV4mePasoValueCommonEntry 11 }

p4mpvc64kMount OBJECT-TYPE
    SYNTAX      INTEGER (0..3)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "64K Mount
                0: Invalid
                1: Dsc64kV11
                2: Dsc64kG703
                3: Rs232"
::= { pasoV4mePasoValueCommonEntry 12 }

p4mpvcWsMount OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "WS Mount
                0: Invalid
                1: Mount
                2: Not Used"
::= { pasoV4mePasoValueCommonEntry 13 }

p4mpvcTxSelected OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Selected TX
                0: Invalid
                1: No.1
                2: No.2"
::= { pasoV4mePasoValueCommonEntry 14 }

```

p4mpvcRxSelected OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Selected RX
 0: Invalid
 1: No.1
 2: No.2"
 ::= { pasoV4mePasoValueCommonEntry 15 }

p4mpvcTxSel OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX Switch
 0: Invalid
 1: Auto
 2: No.1
 3: No.2"
 ::= { pasoV4mePasoValueCommonEntry 16 }

p4mpvcRxSel OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "RX Switch
 0: Invalid
 1: Auto
 2: No.1
 3: No.2"
 ::= { pasoV4mePasoValueCommonEntry 17 }

p4mpvcTxSelAns OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SEL ANS
 0: Invalid
 1: Auto
 2: No.1
 3: No.2"
 ::= { pasoV4mePasoValueCommonEntry 18 }

p4mpvcRxSelAns OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "RX SEL ANS
 0: Invalid
 1: Auto
 2: No.1
 3: No.2"
 ::= { pasoV4mePasoValueCommonEntry 19 }

 -- PVC CH Index IDU/CH

pasoV4mePasoValueCommonChTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PasoV4mePasoValueCommonChEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Pasolink V4 Common Ch Items"
 ::= { pasoV4mePasoValue 2 }

pasoV4mePasoValueCommonChEntry OBJECT-TYPE
 SYNTAX PasoV4mePasoValueCommonChEntry

```

ACCESS          not-accessible
STATUS          mandatory
DESCRIPTION "Common Entry"
INDEX          {
                p4mpvccPasoIndex,
                p4mpvccChIndex
              }
::= { pasoV4mePasoValueCommonChTable 1 }

PasoV4mePasoValueCommonChEntry ::= SEQUENCE {
    p4mpvccPasoIndex      IpAddress,
    p4mpvccChIndex        INTEGER,
    p4mpvccInputLoss      INTEGER,
    p4mpvccBpOutputLoss   INTEGER,
    p4mpvccAisRcvd        INTEGER,
    p4mpvccAisSend        INTEGER,
    p4mpvccLB2            INTEGER,
    p4mpvccLB1            INTEGER,
    p4mpvccAlmInh         INTEGER
  }

p4mpvccPasoIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Pasolink IpAddress"
    ::= { pasoV4mePasoValueCommonChEntry 1 }

p4mpvccChIndex OBJECT-TYPE
    SYNTAX      INTEGER {
        ch1(1),
        ch2(2),
        ch3(3),
        ch4(4),
        ch5(5),
        ch6(6),
        ch7(7),
        ch8(8),
        ch9(9),
        ch10(10),
        ch11(11),
        ch12(12),
        ch13(13),
        ch14(14),
        ch15(15),
        ch16(16)
      }
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "CH Index"
    ::= { pasoV4mePasoValueCommonChEntry 2 }

p4mpvccInputLoss OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Input Loss
        0: Invalid
        1: Normal
        2: Alarm"
    ::= { pasoV4mePasoValueCommonChEntry 3 }

p4mpvccBpOutputLoss OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "BP Output Loss

```

0: Invalid
 1: Normal
 2: Alarm"
 ::= { pasoV4mePasoValueCommonChEntry 4 }

p4mpvccAisRcvd OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AIS RCVD
 0: Invalid
 1: Normal
 2: Rcvd"
 ::= { pasoV4mePasoValueCommonChEntry 5 }

p4mpvccAisSend OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AIS RCVD
 0: Invalid
 1: Normal
 2: Send"
 ::= { pasoV4mePasoValueCommonChEntry 6 }

p4mpvccLB2 OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LB2
 0: Invalid
 1: Off
 2: On"
 ::= { pasoV4mePasoValueCommonChEntry 7 }

p4mpvccLB1 OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LB1
 0: Invalid
 1: Off
 2: On"
 ::= { pasoV4mePasoValueCommonChEntry 8 }

p4mpvccAlmInh OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Alarm Inhibit
 0: Invalid
 1: On
 2: Off"
 ::= { pasoV4mePasoValueCommonChEntry 9 }

 -- PVT V3

pasoV4mePasoValueIndvTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PasoV4mePasoValueIndvEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "ME Value table"
 ::= { pasoV4mePasoValue 3 }

pasoV4mePasoValueIndvEntry OBJECT-TYPE

SYNTAX	PasoV4mePasoValueIndvEntry
ACCESS	not-accessible
STATUS	mandatory
DESCRIPTION	"ME Value table Entry"
INDEX	{
	p4mpviPasoIndex,
	p4mpvilfIndex
	}
	::= { pasoV4mePasoValueIndvTable 1 }

PasoV4mePasoValueIndvEntry ::= SEQUENCE {		
p4mpviPasoIndex	IpAddress,	
	p4mpvilfIndex	INTEGER,
	p4mpviOpr	INTEGER,
	p4mpvilfInput	INTEGER,
	p4mpviRxApC	INTEGER,
	p4mpviTxApC	INTEGER,
	p4mpviRxLev	INTEGER,
	p4mpviTxPwr	INTEGER,
	p4mpviLoBer	INTEGER,
	p4mpviHiBer	INTEGER,
	p4mpviBer	INTEGER,
	p4mpviFrameAsync	INTEGER,
	p4mpviDem	INTEGER,
	p4mpviMod	INTEGER,
	p4mpviCpuAlarm	INTEGER,
	p4mpviTxClkLoss	INTEGER,
	p4mpviRxClkLoss	INTEGER,
	p4mpviFrameID	INTEGER,
	p4mpviBerThreshold	INTEGER,
	p4mpviAisRcvd	INTEGER,
	p4mpviAisSend	INTEGER,
	p4mpviTxAtt	INTEGER,
	p4mpviBerAis	INTEGER,
	p4mpviCw	INTEGER,
	p4mpviMaint	INTEGER,
	p4mpviMute	INTEGER
	}	

p4mpviPasoIndex OBJECT-TYPE

SYNTAX	IpAddress
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Pasolink IP Address"
	::= { pasoV4mePasoValueIndvEntry 1 }

p4mpvilfIndex OBJECT-TYPE

SYNTAX	INTEGER (1..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Index"
	::= { pasoV4mePasoValueIndvEntry 2 }

p4mpviOpr OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Loss of Communication between IDU and ODU
	0: Invalid
	1: Normal
	2: Alarm"
	::= { pasoV4mePasoValueIndvEntry 3 }

p4mpvilfInput OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory

DESCRIPTION "Loss of ODU IF Input Signal
0: Invalid
1: Normal
2: Alarm"
::= { pasoV4mePasoValueIndvEntry 4 }

p4mpviRxApC OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "RX or IF Local Oscillator Unlock
0: Invalid
1: Normal
2: Alarm"
::= { pasoV4mePasoValueIndvEntry 5 }

p4mpviTxApC OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "TX or RF Local Oscillator Unlock
0: Invalid
1: Normal
2: Alarm"
::= { pasoV4mePasoValueIndvEntry 6 }

p4mpviRxLev OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "Loss of RF Input
0: Invalid
1: Normal
2: Alarm"
::= { pasoV4mePasoValueIndvEntry 7 }

p4mpviTxPwr OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "Decrease of TX Power
0: Invalid
1: Normal
2: Alarm"
::= { pasoV4mePasoValueIndvEntry 8 }

p4mpviLoBer OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "BER greater than 10-6
0: Invalid
1: Normal
2: Alarm"
::= { pasoV4mePasoValueIndvEntry 9 }

p4mpviHiBer OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "BER greater than 10-3
0: Invalid
1: Normal
2: Alarm"
::= { pasoV4mePasoValueIndvEntry 10 }

p4mpviBer OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "BER greater than threshold level
 0: Invalid

1: Normal
 2: Alarm"

::= { pasoV4mePasoValueIndvEntry 11 }

p4mpviFrameAsync OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Frame Async

0: Invalid
 1: Normal
 2: Alarm"

::= { pasoV4mePasoValueIndvEntry 12 }

p4mpviDem OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Loss of IF input signal

0: Invalid
 1: Normal
 2: Alarm"

::= { pasoV4mePasoValueIndvEntry 13 }

p4mpviMod OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "IF local oscillator unlock

0: Invalid
 1: Normal
 2: Alarm"

::= { pasoV4mePasoValueIndvEntry 14 }

p4mpviCpuAlarm OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CPU fail on MD

0: Invalid
 1: Normal
 2: Alarm"

::= { pasoV4mePasoValueIndvEntry 15 }

p4mpviTxClkLoss OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX Clock Loss

0: Invalid
 1: Normal
 2: Alarm"

::= { pasoV4mePasoValueIndvEntry 16 }

p4mpviRxClkLoss OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "RX Clock Loss

0: Invalid
 1: Normal
 2: Alarm"

::= { pasoV4mePasoValueIndvEntry 17 }

p4mpviFrameID OBJECT-TYPE

SYNTAX INTEGER (0..8)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Frame ID setting
 0: Invalid
 1: ID0
 2: ID1
 3: ID2
 4: ID3
 5: ID4
 6: ID5
 7: ID6
 8: ID7"

::= { pasoV4mePasoValueIndvEntry 18 }

p4mpviBerThreshold OBJECT-TYPE

SYNTAX INTEGER (0..4)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "BER Threshold setting
 0: Invalid
 1: 1e-3
 2: 1e-4
 3: 1e-5
 4: 1e-6"

::= { pasoV4mePasoValueIndvEntry 19 }

p4mpviAisRcvd OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AIS RCVD on/off control
 0: Invalid
 1: Off
 2: On"

::= { pasoV4mePasoValueIndvEntry 20 }

p4mpviAisSend OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AIS SEND on/off control
 0: Invalid
 1: Off
 2: On"

::= { pasoV4mePasoValueIndvEntry 21 }

p4mpviTxAtt OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MTPC TX Power[dB]
 Please deal with this value as a negative value."

::= { pasoV4mePasoValueIndvEntry 22 }

p4mpviBerAis OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "BER AIS on/off control
 0: Invalid
 1: Off
 2: On"

::= { pasoV4mePasoValueIndvEntry 23 }

```

p4mpviCw OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "Carrier Wave on/off control
                    0: Invalid
                    1: Off
                    2: On"
    ::= { pasoV4mePasoValueIndvEntry 24 }

```

```

p4mpviMaint OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "Maint on/off control
                    0: Invalid
                    1: Off
                    2: On"
    ::= { pasoV4mePasoValueIndvEntry 25 }

```

```

p4mpviMute OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "TX Mute on/off control
                    0: Invalid
                    1: off
                    2: on"
    ::= { pasoV4mePasoValueIndvEntry 26 }

```

```

-----
-- PVC V4
-----

```

```

pasoV4mePasoV4ValueCommonTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF PasoV4mePasoV4ValueCommonEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION     "Pasolink V4 Common Items"
    ::= { pasoV4mePasoValue 4 }

```

```

pasoV4mePasoV4ValueCommonEntry OBJECT-TYPE
    SYNTAX          PasoV4mePasoV4ValueCommonEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION     "Common Entry"
    INDEX           {
                    p4mp4vcPasolIndex
                    }
    ::= { pasoV4mePasoV4ValueCommonTable 1 }

```

```

PasoV4mePasoV4ValueCommonEntry ::= SEQUENCE {
    p4mp4vcPasolIndex      IpAddress,
    p4mp4vcV4Config        INTEGER,
    p4mp4vcV4ManualSw      INTEGER,
    p4mp4vcV4BitRate       INTEGER,
    p4mp4vcV4Sc2Mount      INTEGER,
    p4mp4vcV4Sc3Mount      INTEGER,
    p4mp4vcV4LanMount      INTEGER,
    p4mp4vcV4LanCardAlarm  INTEGER,
    p4mp4vcV4FeLinkCtrl    INTEGER,
    p4mp4vcV4CollisionReport INTEGER,
    p4mp4vcV4LanReset      INTEGER,
    p4mp4vcDsCableLengthWs INTEGER,
    p4mp4vcCableLengthDs3  INTEGER,
    p4mp4vcAisEnbDs3       INTEGER,
    p4mp4vcBipolarCodeWs   INTEGER,

```

p4mp4vcAlmcFuncEnable	INTEGER,
p4mp4vcTxSwPriority	INTEGER,
p4mp4vcNe500Ctrl	INTEGER,
p4mp4vcAisRcvdInh	INTEGER,
p4mp4vcWsAisRcvdInh	INTEGER,
p4mp4vcChUsageErrorCtrl	INTEGER,
p4mp4vcChUsageError	INTEGER,
p4mp4vcWsChUsageError	INTEGER,
p4mp4vcPortAlarm	INTEGER,
p4mp4vcHardwareYearMonth	OCTET STRING,
p4mp4vcSoftwareVersion	OCTET STRING,
p4mp4vcBerCurrentValue	OCTET STRING,
p4mp4vcEquipmentPmcType	INTEGER,
p4mp4vcCodeNo	OCTET STRING,
p4mp4vcSerialNo	OCTET STRING,
p4mp4vcV4LanMountVer2	INTEGER

}

p4mp4vcPasoIndex OBJECT-TYPE

SYNTAX	IpAddress
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Pasolink IpAddress"

::= { pasoV4mePasoV4ValueCommonEntry 1 }

p4mp4vcV4Config OBJECT-TYPE

SYNTAX	INTEGER (0..4)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"IDU & ODU Config"

0: Invalid
1: 1+0
2: 1+0 Expandable
3: 1+1 Hot Standby
4: 1+1 Twin Path"

::= { pasoV4mePasoV4ValueCommonEntry 2 }

p4mp4vcV4ManualSw OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Manual Switch"

0: Invalid
1: Auto
2: Manual"

::= { pasoV4mePasoV4ValueCommonEntry 3 }

p4mp4vcV4BitRate OBJECT-TYPE

SYNTAX	INTEGER (0..12)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Status of Bit Rate setting"

0: Invalid
1: 2x2MB
2: 4x2MB
3: 8x2MB
4: 16x2MB
5: 1x8MB
6: 1x34MB
7: 4x1.5MB
8: 8x1.5MB
9: 1x45MB
10: 4x1.5MB
11: 8x1.5MB
12: 16x1.5MB"

::= { pasoV4mePasoV4ValueCommonEntry 4 }

p4mp4vcV4Sc2Mount OBJECT-TYPE

SYNTAX	INTEGER (0..6)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"SC2 Mount Information 0: Invalid 1: ASC 2: 9.6K RS-232 3: 9.6K RS-422 4: LAN 5: ALM 6: Not used"

::= { pasoV4mePasoV4ValueCommonEntry 5 }

p4mp4vcV4Sc3Mount OBJECT-TYPE

SYNTAX	INTEGER (0..6)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"SC3 Mount Information 0: Invalid 1: ASC 2: 9.6K RS-232 3: 9.6K RS-422 5: ALM 6: Not used"

::= { pasoV4mePasoV4ValueCommonEntry 6 }

p4mp4vcV4LanMount OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"LAN Card Mount Information 0: Invalid 1: Mount 2: Not Mount"

::= { pasoV4mePasoV4ValueCommonEntry 7 }

p4mp4vcV4LanCardAlarm OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"LAN Card Alarm 0: Invalid 1: Normal 2: Alarm"

::= { pasoV4mePasoV4ValueCommonEntry 8 }

p4mp4vcV4FeLinkCtrl OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Far End Link Down 0: Invalid 1: Disable 2: Enable"

::= { pasoV4mePasoV4ValueCommonEntry 9 }

p4mp4vcV4CollisionReport OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Not Used Collision Report Type 0: Invalid 1: Not Report 2: Report"

::= { pasoV4mePasoV4ValueCommonEntry 10 }

p4mp4vcV4LanReset OBJECT-TYPE

SYNTAX INTEGER (0..1)
 ACCESS write-only
 STATUS mandatory
 DESCRIPTION "Not Used
 LAN Reset
 0: Invalid
 1: Lan Reset"
 ::= { pasoV4mePasoV4ValueCommonEntry 11 }

p4mp4vcDsCableLengthWs OBJECT-TYPE

SYNTAX INTEGER (0..6)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Cable Length WS
 0: Invalid
 1: not used
 2: 0-40m(0-133ft)
 3: 40-81m(133-266ft)
 4: 81-121m(266-399ft)
 5: 121-162m(399-533ft)
 6: 162-199m(533-655ft)"
 ::= { pasoV4mePasoV4ValueCommonEntry 12 }

p4mp4vcCableLengthDs3 OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Not Used
 Cable Length DS3
 0: Invalid
 1: 0-68m(0-225ft)
 2: 68-135m(225-450ft)"
 ::= { pasoV4mePasoV4ValueCommonEntry 13 }

p4mp4vcAisEnbDs3 OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "DS3 Framed AIS Enable
 0: Invalid
 1: Framed
 2: Unframed"
 ::= { pasoV4mePasoV4ValueCommonEntry 14 }

p4mp4vcBipolarCodeWs OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Bipolar Code WS
 0: Invalid
 1: B8ZS
 2: AMI"
 ::= { pasoV4mePasoV4ValueCommonEntry 15 }

p4mp4vcAlmcFuncEnable OBJECT-TYPE

SYNTAX INTEGER (0..15)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ALMC Function Enable Information
 bit 0 : CH Usage Enable
 bit 1 : NE500 Enable
 bit 2 : LAN report Enable
 bit 3 : TX SW priority Enable"
 ::= { pasoV4mePasoV4ValueCommonEntry 16 }

p4mp4vcTxSwPriority OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX Sw Priority
 0: Invalid
 1: Non Priority
 2: Priority No.1"
 ::= { pasoV4mePasoV4ValueCommonEntry 17 }

p4mp4vcNe500Ctrl OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "NE500 Report Control
 0: Invalid
 1: Report
 2: Not Report"
 ::= { pasoV4mePasoV4ValueCommonEntry 18 }

p4mp4vcAisRcvdInh OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Not Used
 AIS RCVD Report Control
 0: Invalid
 1: Report
 2: Not Report"
 ::= { pasoV4mePasoV4ValueCommonEntry 19 }

p4mp4vcWsAisRcvdInh OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "WS AIS RCVD Report Ctrl
 0: Invalid
 1: Report
 2: Not Report"
 ::= { pasoV4mePasoV4ValueCommonEntry 20 }

p4mp4vcChUsageErrorCtrl OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CH Usage Error Report Ctrl
 0: Invalid
 1: Not Report
 2: Report"
 ::= { pasoV4mePasoV4ValueCommonEntry 21 }

p4mp4vcChUsageError OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Not Used
 CH Usage Error
 0: Invalid
 1: Normal
 2: Alarm"
 ::= { pasoV4mePasoV4ValueCommonEntry 22 }

p4mp4vcWsChUsageError OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "WS CH Usage Error
 0: Invalid


```

        1: Normal
        2: Alarm"
 ::= { pasoV4mePasoV4ValueCommonEntry 23 }

p4mp4vcPortAlarm OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Port Alarm (PMC link)
                0: Invalid
                1: Normal
                2: Alarm"
 ::= { pasoV4mePasoV4ValueCommonEntry 24 }

p4mp4vcHardwareYearMonth OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "HardWare Year Month"
 ::= { pasoV4mePasoV4ValueCommonEntry 25 }

p4mp4vcSoftwareVersion OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Software Version"
 ::= { pasoV4mePasoV4ValueCommonEntry 26 }

p4mp4vcBerCurrentValue OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "BER Value"
 ::= { pasoV4mePasoV4ValueCommonEntry 27 }

p4mp4vcEquipmentPmcType OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "PMC Type
                0: Invalid
                17: North America Serial
                18: North America LAN
                33: CEPT Serial
                34: CEPT LAN"
 ::= { pasoV4mePasoV4ValueCommonEntry 28 }

p4mp4vcCodeNo OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Code No"
 ::= { pasoV4mePasoV4ValueCommonEntry 29 }

p4mp4vcSerialNo OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Serial No"
 ::= { pasoV4mePasoV4ValueCommonEntry 30 }

p4mp4vcV4LanMountVer2 OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "LAN card Version Info.
                0 : Invalid

```

```

1 : Lan Version1
2 : Lan Version2
This value is available when p4mp4vcV4LanMount is mount(1).
This value is invalid value when p4mp4vcV4LanMount is Not Mount(2)
and Invalid(0)."
::= { pasoV4mePasoV4ValueCommonEntry 31 }

pasoV4mePasoV4ValueCommonCHTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PasoV4mePasoV4ValueCommonCHEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Pasolink V4 Common CH Items"
    ::= { pasoV4mePasoValue 5 }

pasoV4mePasoV4ValueCommonCHEntry OBJECT-TYPE
    SYNTAX      PasoV4mePasoV4ValueCommonCHEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Common CH Entry"
    INDEX       {
        p4mp4vcCHPasolIndex,
        p4mp4vcCHIndex
    }
    ::= { pasoV4mePasoV4ValueCommonCHTable 1 }

PasoV4mePasoV4ValueCommonCHEntry ::= SEQUENCE {
    p4mp4vcCHPasolIndex      IpAddress,
    p4mp4vcCHIndex           INTEGER,
    p4mp4vcCHAisRcvdInh     INTEGER,
    p4mp4vcCHChUsageError   INTEGER
}

p4mp4vcCHPasolIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Pasolink IpAddress"
    ::= { pasoV4mePasoV4ValueCommonCHEntry 1 }

p4mp4vcCHIndex OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Index"
    ::= { pasoV4mePasoV4ValueCommonCHEntry 2 }

p4mp4vcCHAisRcvdInh OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "AIS RCVD Report Control
        0: Invalid
        1: Report
        2: Not Report"
    ::= { pasoV4mePasoV4ValueCommonCHEntry 3 }

p4mp4vcCHChUsageError OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "CH Usage Error
        0: Invalid
        1: Normal
        2: Alarm"
    ::= { pasoV4mePasoV4ValueCommonCHEntry 4 }

```

 -- PVC V4 LAN Table

pasoV4mePasoV4ValueCommonLanTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PasoV4mePasoV4ValueCommonLanEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Pasolink V4 Common LAN Items"
 ::= { pasoV4mePasoValue 6 }

pasoV4mePasoV4ValueCommonLanEntry OBJECT-TYPE
 SYNTAX PasoV4mePasoV4ValueCommonLanEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Common LAN Entry"
 INDEX {
 p4mp4vclPasoIndex,
 p4mp4vclLanIndex
 }
 ::= { pasoV4mePasoV4ValueCommonLanTable 1 }

PasoV4mePasoV4ValueCommonLanEntry ::= SEQUENCE {
 p4mp4vclPasoIndex IpAddress,
 p4mp4vclLanIndex INTEGER,
 p4mp4vclLanWanSel INTEGER,
 p4mp4vclLanFlowCtrl INTEGER,
 p4mp4vclLanThroughput INTEGER,
 p4mp4vclCasCtrl INTEGER,
 p4mp4vclCrcCtrl INTEGER,
 p4mp4vclCollAlarm INTEGER,
 p4mp4vclLanLinkAlarm INTEGER,
 p4mp4vclLanMode INTEGER,
 p4mp4vclLanCollReport INTEGER,
 p4mp4vclLanReset INTEGER
 }

p4mp4vclPasoIndex OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Pasolink IP Address"
 ::= { pasoV4mePasoV4ValueCommonLanEntry 1 }

p4mp4vclLanIndex OBJECT-TYPE
 SYNTAX INTEGER (1..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Index"
 ::= { pasoV4mePasoV4ValueCommonLanEntry 2 }

p4mp4vclLanWanSel OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Framing(LAN/WAN Select)
 0: Invalid
 1: Off
 2: On"
 ::= { pasoV4mePasoV4ValueCommonLanEntry 3 }

p4mp4vclLanFlowCtrl OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LAN Flow Control
 0: Invalid

```

1: Off
2: On"
::= { pasoV4mePasoV4ValueCommonLanEntry 4 }

p4mp4vclLanThroughput OBJECT-TYPE
    SYNTAX      INTEGER (0..6)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "LAN Throughput
                0: Invalid
                1: Disable
                2: 2MB/1.5MB
                3: 4MB/3MB
                4: 8MB/6MB
                5: 16MB/12MB
                6: 32MB/24MB"
::= { pasoV4mePasoV4ValueCommonLanEntry 5 }

p4mp4vclCasCtrl OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "CAS Control
                0: Invalid
                1: Off
                2: On"
::= { pasoV4mePasoV4ValueCommonLanEntry 6 }

p4mp4vclCrcCtrl OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "CRC Control
                0: Invalid
                1: Off
                2: On"
::= { pasoV4mePasoV4ValueCommonLanEntry 7 }

p4mp4vclCollAlarm OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Collision Alarm
                0: Invalid
                1: Normal
                2: Collision"
::= { pasoV4mePasoV4ValueCommonLanEntry 8 }

p4mp4vclLanLinkAlarm OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "LAN Link Alarm
                0: Invalid
                1: Normal
                2: Alarm"
::= { pasoV4mePasoV4ValueCommonLanEntry 9 }

p4mp4vclLanMode OBJECT-TYPE
    SYNTAX      INTEGER (0..9)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "LAN Mode
                0: Invalid
                1: AUTONEG(AUTO-MDI/MDIX)
                2: 10M-HALF(MDI)
                3: 10M-FULL(MDI)

```

```

4: 100M-HALF(MDI)
5: 100M-FULL(MDI)
6: 10M-HALF(MDIX)
7: 10M-FULL(MDIX)
8: 100M-HALF(MDIX)
9: 100M-FULL(MDIX)"
::= { pasoV4mePasoV4ValueCommonLanEntry 10 }

p4mp4vclLanCollReport OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Collision Report Type
                0: Invalid
                1: Not Report
                2: Report"
    ::= { pasoV4mePasoV4ValueCommonLanEntry 11 }

p4mp4vclLanReset OBJECT-TYPE
    SYNTAX      INTEGER (0..1)
    ACCESS      write-only
    STATUS      mandatory
    DESCRIPTION "LAN Reset
                0: Invalid
                1: Lan Reset"
    ::= { pasoV4mePasoV4ValueCommonLanEntry 12 }

-----
-- PVC V4 DS Table
-----

pasoV4mePasoV4ValueCommonDsTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PasoV4mePasoV4ValueCommonDsEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Pasolink V4 Common Ds Items"
    ::= { pasoV4mePasoV4Value 7 }

pasoV4mePasoV4ValueCommonDsEntry OBJECT-TYPE
    SYNTAX      PasoV4mePasoV4ValueCommonDsEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Common Ds Entry"
    INDEX      {
                p4mpvcdPasoIndex,
                p4mpvcdDsIndex
            }
    ::= { pasoV4mePasoV4ValueCommonDsTable 1 }

PasoV4mePasoV4ValueCommonDsEntry ::= SEQUENCE {
    p4mpvcdPasoIndex      IpAddress,
    p4mpvcdDsIndex        INTEGER,
    p4mpvcdCableLength    INTEGER,
    p4mpvcdBipolarCode    INTEGER
}

p4mpvcdPasoIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Pasolink IP Address"
    ::= { pasoV4mePasoV4ValueCommonDsEntry 1 }

p4mpvcdDsIndex OBJECT-TYPE
    SYNTAX      INTEGER (1..4)
    ACCESS      read-only
    STATUS      mandatory

```

```

DESCRIPTION      "Index"
::= { pasoV4mePasoV4ValueCommonDsEntry 2 }

p4mpvcdCableLength OBJECT-TYPE
SYNTAX            INTEGER (0..8)
ACCESS            read-only
STATUS            mandatory
DESCRIPTION       "Cable Length
0: Invalid
1: not used
2: 0-68m(0-225ft)
3: 68-135m(225-450ft)
4: 0-40m(0-133ft)
5:40-81m(133-266ft)
6:81-121m(266-399ft)
7:121-162m(399-533ft)
8:162-199m(533-655ft)"
::= { pasoV4mePasoV4ValueCommonDsEntry 3 }

p4mpvcdBipolarCode OBJECT-TYPE
SYNTAX            INTEGER (0..2)
ACCESS            read-only
STATUS            mandatory
DESCRIPTION       "Bipolar Code
0: Invalid
1: B8ZS
2: AMI"
::= { pasoV4mePasoV4ValueCommonDsEntry 4 }

-----
-- PVT V4
-----

pasoV4mePasoV4ValueIndvTable OBJECT-TYPE
SYNTAX            SEQUENCE OF PasoV4mePasoV4ValueIndvEntry
ACCESS            not-accessible
STATUS            mandatory
DESCRIPTION       "V4 ME value table"
::= { pasoV4mePasoValue 8 }

pasoV4mePasoV4ValueIndvEntry OBJECT-TYPE
SYNTAX            PasoV4mePasoV4ValueIndvEntry
ACCESS            not-accessible
STATUS            mandatory
DESCRIPTION       "V4 ME value table Entry"
INDEX            {
p4mp4viPasoIndex,
p4mp4viV4IfIndex
}
::= { pasoV4mePasoV4ValueIndvTable 1 }

PasoV4mePasoV4ValueIndvEntry ::= SEQUENCE {
p4mp4viPasoIndex      IpAddress,
p4mp4viV4IfIndex      INTEGER,
p4mp4viV4Mode          INTEGER,
p4mp4viV4Atpc          INTEGER,
p4mp4viV4AtpcRxThreshold  INTEGER,
p4mp4viV4AtpcMaxPower  INTEGER,
p4mp4viV4AtpcMinPower  INTEGER,
p4mp4viV4OduAlmMode    INTEGER,
p4mp4viV4TxFreq        OCTET STRING,
p4mp4viV4RxFreq        OCTET STRING,
p4mp4viV4AtpcManualCtrl  INTEGER,
p4mp4viV4BerAisMaint    INTEGER,
p4mp4viV4Version        INTEGER,
p4mp4viV4V3D            INTEGER,
p4mp4viV4TxFreqCh       INTEGER,

```

p4mp4viV4TxPowerMon OCTET STRING,
p4mp4viV4RxLevMon OCTET STRING

}

p4mp4viPasoIndex OBJECT-TYPE

SYNTAX IpAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION "Pasolink IP Address"
::= { pasoV4mePasoV4ValueIndvEntry 1 }

p4mp4viV4IfIndex OBJECT-TYPE

SYNTAX INTEGER (1..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "Index"
::= { pasoV4mePasoV4ValueIndvEntry 2 }

p4mp4viV4Mode OBJECT-TYPE

SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "V3/V4 Mode"
0: Invalid
1: V3
2: V4"
::= { pasoV4mePasoV4ValueIndvEntry 3 }

p4mp4viV4Atpc OBJECT-TYPE

SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "ATPC Information"
0: Invalid
1: MTPC
2: ATPC"
::= { pasoV4mePasoV4ValueIndvEntry 4 }

p4mp4viV4AtpcRxThreshold OBJECT-TYPE

SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "ATPC RX Threshold[dBm]"
Please deal with this value as a negative value."
::= { pasoV4mePasoV4ValueIndvEntry 5 }

p4mp4viV4AtpcMaxPower OBJECT-TYPE

SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "ATPC Max Power[dB]"
Please deal with this value as a negative value."
::= { pasoV4mePasoV4ValueIndvEntry 6 }

p4mp4viV4AtpcMinPower OBJECT-TYPE

SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "ATPC Min Power[dB]"
Please deal with this value as a negative value."
::= { pasoV4mePasoV4ValueIndvEntry 7 }

p4mp4viV4OduAlmMode OBJECT-TYPE

SYNTAX INTEGER (0..3)
ACCESS read-only
STATUS mandatory

DESCRIPTION "ODU Alarm Mode
0: Invalid
1: HOLD
2: MIN
3: MAX"
::= { pasoV4mePasoV4ValueIndvEntry 8 }

p4mp4viV4TxFreq OBJECT-TYPE
SYNTAX OCTET STRING
ACCESS read-only
STATUS mandatory
DESCRIPTION "TX Frequency[MHz]"
::= { pasoV4mePasoV4ValueIndvEntry 9 }

p4mp4viV4RxFreq OBJECT-TYPE
SYNTAX OCTET STRING
ACCESS read-only
STATUS mandatory
DESCRIPTION "RX Frequency[MHz]"
::= { pasoV4mePasoV4ValueIndvEntry 10 }

p4mp4viV4AtpcManualCtrl OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "Setting of ATPC Manual control signal
0: Invalid
1: Off
2: On"
::= { pasoV4mePasoV4ValueIndvEntry 11 }

p4mp4viV4BerAisMaint OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "Setting of BER AIS include to Maint
0: Invalid
1: Enable
2: Disable"
::= { pasoV4mePasoV4ValueIndvEntry 12 }

p4mp4viV4Version OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "Version
0: Invalid
1: 3.0
2: 3.1"
::= { pasoV4mePasoV4ValueIndvEntry 13 }

p4mp4viV4V3D OBJECT-TYPE
SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "Version
0: Invalid
1: V3
2: V3D"
::= { pasoV4mePasoV4ValueIndvEntry 14 }

p4mp4viV4TxFreqCh OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "CH"

::= { pasoV4mePasoV4ValueIndvEntry 15 }

p4mp4viV4TxPowerMon OBJECT-TYPE

SYNTAX OCTET STRING
ACCESS read-only
STATUS mandatory
DESCRIPTION "TX Power Monitor[dbm]"
::= { pasoV4mePasoV4ValueIndvEntry 16 }

p4mp4viV4RxLevMon OBJECT-TYPE

SYNTAX OCTET STRING
ACCESS read-only
STATUS mandatory
DESCRIPTION "RX Level Monitor[dbm]"
::= { pasoV4mePasoV4ValueIndvEntry 17 }

-- PIC/PIT V4 Inventory table

pasoV4mePasoInventory OBJECT IDENTIFIER

::= { pnmsPasoV4pmMePaso 2 }

pasoV4mePasoV4InvIndvTable OBJECT-TYPE

SYNTAX SEQUENCE OF PasoV4mePasoV4InvIndvEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "Pasolink Inventory Items"
::= { pasoV4mePasoInventory 1 }

pasoV4mePasoV4InvIndvEntry OBJECT-TYPE

SYNTAX PasoV4mePasoV4InvIndvEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "Pasolink Inventory Items Entry"
INDEX {
p4mp4iiV4PasoIndex,
p4mp4iiV4IfIndex
}
::= { pasoV4mePasoV4InvIndvTable 1 }

PasoV4mePasoV4InvIndvEntry ::= SEQUENCE {

p4mp4iiV4PasoIndex IpAddress,
p4mp4iiV4IfIndex INTEGER,
p4mp4iiV4OduRfBand INTEGER,
p4mp4iiV4OduShiftFreq OCTET STRING,
p4mp4iiV4OduChSepa OCTET STRING,
p4mp4iiV4OduSubBand INTEGER,
p4mp4iiV4OduLowHighBand INTEGER,
p4mp4iiV4OduCapacity INTEGER,
p4mp4iiV4OduYearMonth OCTET STRING,
p4mp4iiV4OduCpuVersion OCTET STRING,
p4mp4iiV4OduSwVersion OCTET STRING,
p4mp4iiV4OduStartFreq OCTET STRING,
p4mp4iiV4OduSerial INTEGER,
p4mp4iiV4OduMaxPower INTEGER,
p4mp4iiV4MdYearMonth OCTET STRING,
p4mp4iiV4MdCpuVersion OCTET STRING,
p4mp4iiV4MdSoftVersion OCTET STRING,
p4mp4iiV4MdSerial INTEGER,
p4mp4iiV4OduMaxCh INTEGER,
p4mp4iiV4OduMinCh INTEGER
}

p4mp4iiV4PasoIndex OBJECT-TYPE

SYNTAX IpAddress
ACCESS read-only
STATUS mandatory

DESCRIPTION "Pasolink IpAddress"
 ::= { pasoV4mePasoV4InvIndvEntry 1 }

p4mp4iiV4IfIndex OBJECT-TYPE

SYNTAX INTEGER (1..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Index"
 ::= { pasoV4mePasoV4InvIndvEntry 2 }

p4mp4iiV4OduRfBand OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU RF Band[GHz]"
 ::= { pasoV4mePasoV4InvIndvEntry 3 }

p4mp4iiV4OduShiftFreq OBJECT-TYPE

SYNTAX OCTET STRING
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU Shift Frequency[MHz]"
 ::= { pasoV4mePasoV4InvIndvEntry 4 }

p4mp4iiV4OduChSepa OBJECT-TYPE

SYNTAX OCTET STRING
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU Channel Separation"
 ::= { pasoV4mePasoV4InvIndvEntry 5 }

p4mp4iiV4OduSubBand OBJECT-TYPE

SYNTAX INTEGER (0..16)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU Sub Band
 0: Invalid
 1: subband A
 2: subband B
 3: subband C
 4: subband D
 5: subband E
 6: subband F
 7: subband G
 8: subband H
 9: subband J
 10: subband K
 11: subband L
 12: subband M
 13: subband N
 14: subband P
 15: subband R
 16: subband X"
 ::= { pasoV4mePasoV4InvIndvEntry 6 }

p4mp4iiV4OduLowHighBand OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU Low/High Band
 0: Invalid
 1: Low
 2: High"
 ::= { pasoV4mePasoV4InvIndvEntry 7 }

p4mp4iiV4OduCapacity OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"ODU Capacity 0: Invalid 1: 8MB 2: 34MB"
::= {	pasoV4mePasoV4InvIndvEntry 8 }

p4mp4iiV4OduYearMonth	OBJECT-TYPE
SYNTAX	OCTET STRING
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Manufacturing Date of ODU (Format) Year/Month are represented by 12 bits integer. Bit assignment is as follows. 0-3 bit : Month 4-10bit : Year(Lower 2digits) 11 bit : Year(Higher 2 digits 1=2000/0=1900)"
::= { pasoV4mePasoV4InvIndvEntry 9 }	

```

p4mp4iiV4OduCpuVersion OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Not Used
                  ODU CPU version"
    ::= { pasoV4mePasoV4InvIndvEntry 10 }

```

```

p4mp4iiv4OduSwVersion OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "ODU Software version"
    ::= { pasoV4mePasoV4InvIndvEntry 11 }

```

```
p4mp4iiV4OduStartFreq OBJECT-TYPE
    SYNTAX          OCTET STRING
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "ODU Start Frequency[(1/1000)MHz]"
    ::= { pasoV4mePasoV4InvIndvEntry 12 }
```

```

p4mp4iiV4OduSerial OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "ODU Serial No."
    ::= { pasoV4mePasoV4InvIndvEntry 13 }

```

```
p4mp4iiV4OduMaxPower OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "ODU Max Power"
    ::= { pasoV4mePasoV4InvIndvEntry 14 }
```

p4mp4iiV4MdYearMonth OBJECT-TYPE	
SYNTAX	OCTET STRING
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Manufacture Date of MD (Format) Same as pitOduYearMonth."
::= { pasoV4mePasoV4InvIndvEntry 15 }	

p4mp4iiV4MdCpuVersion	OBJECT-TYPE
SYNTAX	OCTET STRING
ACCESS	read-only

```

STATUS          mandatory
DESCRIPTION      "Not Used
                  MD CPU version"
::= { pasoV4mePasoV4InvIndvEntry 16 }

p4mp4iiV4MdSoftVersion OBJECT-TYPE
SYNTAX          OCTET STRING
ACCESS          read-only
STATUS          mandatory
DESCRIPTION      "MD Software version"
::= { pasoV4mePasoV4InvIndvEntry 17 }

p4mp4iiV4MdSerial OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION      "MD Serial No."
::= { pasoV4mePasoV4InvIndvEntry 18 }

p4mp4iiV4OduMaxCh OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION      "ODU Max CH"
::= { pasoV4mePasoV4InvIndvEntry 19 }

p4mp4iiV4OduMinCh OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION      "ODU Min CH"
::= { pasoV4mePasoV4InvIndvEntry 20 }

pasoV4mePasoV4InvCommTable OBJECT-TYPE
SYNTAX          SEQUENCE OF PasoV4mePasoV4InvCommEntry
ACCESS          not-accessible
STATUS          mandatory
DESCRIPTION      "Pasolink Inventory Common Items"
::= { pasoV4mePasolInventory 2 }

pasoV4mePasoV4InvCommEntry OBJECT-TYPE
SYNTAX          PasoV4mePasoV4InvCommEntry
ACCESS          not-accessible
STATUS          mandatory
DESCRIPTION      "Pasolink Inventory Common Items Entry"
INDEX          {
                p4mp4icV4PasolIndex
              }
::= { pasoV4mePasoV4InvCommTable 1 }

PasoV4mePasoV4InvCommEntry ::= SEQUENCE {
    p4mp4icV4PasolIndex      IpAddress,
    p4mp4icV4SwYearMonth     OCTET STRING,
    p4mp4icV4SwCpuVersion     OCTET STRING,
    p4mp4icV4SwSoftVersion    OCTET STRING,
    p4mp4icV4SwSerial         INTEGER
}

p4mp4icV4PasolIndex OBJECT-TYPE
SYNTAX          IpAddress
ACCESS          read-only
STATUS          mandatory
DESCRIPTION      "Index"
::= { pasoV4mePasoV4InvCommEntry 1 }

p4mp4icV4SwYearMonth OBJECT-TYPE

```

SYNTAX OCTET STRING
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Manufacture Date of SW
 (Format) Same as pitOduYearMonth."
 ::= { pasoV4mePasoV4InvCommEntry 2 }

p4mp4icV4SwCpuVersion OBJECT-TYPE
 SYNTAX OCTET STRING
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Not Used
 SW CPU version"
 ::= { pasoV4mePasoV4InvCommEntry 3 }

p4mp4icV4SwSoftVersion OBJECT-TYPE
 SYNTAX OCTET STRING
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "SW Software version"
 ::= { pasoV4mePasoV4InvCommEntry 4 }

p4mp4icV4SwSerial OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "SW Software version"
 ::= { pasoV4mePasoV4InvCommEntry 5 }

 -- pmMelop Group Definitions

pasov4ValuePerformanceInformation OBJECT IDENTIFIER
 ::= { pnmsPasoV4pmMelop 1 }

pasov4PmonDataTable OBJECT-TYPE
 SYNTAX SEQUENCE OF Pasov4PmonDataEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Performance data"
 ::= { pasov4ValuePerformanceInformation 1 }

pasov4PmonDataEntry OBJECT-TYPE
 SYNTAX Pasov4PmonDataEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Performance data Entry"
 INDEX {
 p4pdDataPasoIndex,
 p4pdDataItemName
 }
 ::= { pasov4PmonDataTable 1 }

Pasov4PmonDataEntry ::= SEQUENCE {
 p4pdDataPasoIndex IpAddress,
 p4pdDataItemName INTEGER,
 p4pdDataCurrent15minData OCTET STRING,
 p4pdDataCurrent15minStatus INTEGER,
 p4pdDataCurrentDayData OCTET STRING,
 p4pdDataCurrentDayStatus INTEGER,
 p4pdDataHistory15minStatus INTEGER,
 p4pdDataHistoryDayStatus INTEGER
 }

p4pdDataPasoIndex OBJECT-TYPE
 SYNTAX IpAddress

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Index"
 ::= { pasov4PmonDataEntry 1 }

p4pdDataItemName OBJECT-TYPE
 SYNTAX INTEGER (0..4)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Data Type
 invalid(0),
 pmonBBE(1),
 pmonES(2),
 pmonSES(3),
 pmonUAS(4)"
 ::= { pasov4PmonDataEntry 2 }

p4pdDataCurrent15minData OBJECT-TYPE
 SYNTAX OCTET STRING
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Current 15min Data"
 ::= { pasov4PmonDataEntry 3 }

p4pdDataCurrent15minStatus OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Current 15min Status
 invalid(0),
 normal(1),
 alarm(2)"
 ::= { pasov4PmonDataEntry 4 }

p4pdDataCurrentDayData OBJECT-TYPE
 SYNTAX OCTET STRING
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Current Day Data"
 ::= { pasov4PmonDataEntry 5 }

p4pdDataCurrentDayStatus OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Current Day Status
 invalid(0),
 normal(1),
 alarm(2)"
 ::= { pasov4PmonDataEntry 6 }

p4pdDataHistory15minStatus OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "History 15min Status
 invalid(0),
 normal(1),
 alarm(2)"
 ::= { pasov4PmonDataEntry 7 }

p4pdDataHistoryDayStatus OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "History Day Status
 invalid(0),

```

normal(1),
alarm(2)"
::= { pasov4PmonDataEntry 8 }

```

```

pasov4PmonThresholdTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF Pasov4PmonThresholdEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Performance Monitor Threshold Table"
    ::= { pasov4ValuePerformanceInformation 2 }

```

```

pasov4PmonThresholdEntry OBJECT-TYPE
    SYNTAX      Pasov4PmonThresholdEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Performance Monitor Threshold Table Entry"
    INDEX      {
                                                p4ptThresholdPasoIndex,
                                                p4ptThresholdItemName
                                            }
    ::= { pasov4PmonThresholdTable 1 }

```

```

Pasov4PmonThresholdEntry ::= SEQUENCE {
    p4ptThresholdPasoIndex      IpAddress,
    p4ptThresholdItemName      INTEGER,
    p4ptThreshold15minOccur    OCTET STRING,
    p4ptThreshold15minRecover  OCTET STRING,
    p4ptThresholdDayOccur      OCTET STRING,
    p4ptThresholdDayRecover    OCTET STRING
}

```

```

p4ptThresholdPasoIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Index"
    ::= { pasov4PmonThresholdEntry 1 }

```

```

p4ptThresholdItemName OBJECT-TYPE
    SYNTAX      INTEGER (0..4)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Item Name
invalid(0),
pmonBBE(1),
pmonES(2),
pmonSES(3),
pmonUAS(4)"
    ::= { pasov4PmonThresholdEntry 2 }

```

```

p4ptThreshold15minOccur OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Performance Monitor Threshold Value: 15min.Occur"
    ::= { pasov4PmonThresholdEntry 3 }

```

```

p4ptThreshold15minRecover OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Performance Monitor Threshold Value: 15min.Recover"
    ::= { pasov4PmonThresholdEntry 4 }

```

```

p4ptThresholdDayOccur OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only

```

```

STATUS          mandatory
DESCRIPTION     "Performance Monitor Threshold Value: Day.Occur"
::= { pasov4PmonThresholdEntry 5 }

p4ptThresholdDayRecover OBJECT-TYPE
SYNTAX          OCTET STRING
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Performance Monitor Threshold Value: Day.Recover"
::= { pasov4PmonThresholdEntry 6 }

pasov4PmcardHouseKeeping OBJECT IDENTIFIER
::= { pnmsPasoV4pmMelop 2 }

pasov4PmcardAuxInputTable OBJECT-TYPE
SYNTAX          SEQUENCE OF Pasov4PmcardAuxInputEntry
ACCESS          not-accessible
STATUS          mandatory
DESCRIPTION     "Pasolink V4 AUX I/O Input Information"
::= { pasov4PmcardHouseKeeping 1 }

pasov4PmcardAuxInputEntry OBJECT-TYPE
SYNTAX          Pasov4PmcardAuxInputEntry
ACCESS          not-accessible
STATUS          mandatory
DESCRIPTION     "Pasolink V4 AUX I/O Input Information Entry"
INDEX          {
                p4paiPasoIndex,
                p4paiPasoInputIndex
            }
::= { pasov4PmcardAuxInputTable 1 }

Pasov4PmcardAuxInputEntry ::= SEQUENCE {
    p4paiPasoIndex          IpAddress,
    p4paiPasoInputIndex     INTEGER,
    p4paiPasoInputName      OCTET STRING,
    p4paiPasoInputStatus    INTEGER,
    p4paiPasoInputStatusType INTEGER
}

p4paiPasoIndex OBJECT-TYPE
SYNTAX          IpAddress
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Pasolink IpAddress"
::= { pasov4PmcardAuxInputEntry 1 }

p4paiPasoInputIndex OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "AUX I/O Input Number"
::= { pasov4PmcardAuxInputEntry 2 }

p4paiPasoInputName OBJECT-TYPE
SYNTAX          OCTET STRING
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "AUX I/O Input Name"
::= { pasov4PmcardAuxInputEntry 3 }

p4paiPasoInputStatus OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "AUX I/O Input Status"

```


Invalid(0),
 Event Off-Open Loop(1),
 Event On-Close Loop(2)"
 ::= { pasov4PmcardAuxInputEntry 4 }

p4paiPasolInputStatusType OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX I/O Input Status Type
 If paiPasolInputStatusType =
 Alarm When Event Off-Open Loop(1),
 open stands for alarm, close stands for normal.
 If paiPasolInputStatusType =
 Alarm When Event On-Close Loop(2),
 open stands for normal, close stands for alarm.
 If paiPasolInputStatusType = Status(3),
 paiPasolInputStatus means status information(not alarm information).

Invalid(0),
 Alarm When Event Off-Open Loop(1),
 Alarm When Event On-Close Loop(2),
 Status(3)"
 ::= { pasov4PmcardAuxInputEntry 5 }

pasov4PmcardAuxOutputTable OBJECT-TYPE

SYNTAX SEQUENCE OF Pasov4PmcardAuxOutputEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Pasolink V4 AUX I/O Output Information"
 ::= { pasov4PmcardHouseKeeping 2 }

pasov4PmcardAuxOutputEntry OBJECT-TYPE

SYNTAX Pasov4PmcardAuxOutputEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Pasolink V4 AUX I/O Output Information Entry"
 INDEX {
 p4paoPasolIndex,
 p4paoPasoOutputIndex

}
 ::= { pasov4PmcardAuxOutputTable 1 }

Pasov4PmcardAuxOutputEntry ::= SEQUENCE {

p4paoPasolIndex IpAddress,
 p4paoPasoOutputIndex INTEGER,
 p4paoPasoOutputName OCTET STRING,
 p4paoPasoOutputStatus INTEGER

}

p4paoPasolIndex OBJECT-TYPE

SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Pasolink IpAddress"
 ::= { pasov4PmcardAuxOutputEntry 1 }

p4paoPasoOutputIndex OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX I/O Output Number"
 ::= { pasov4PmcardAuxOutputEntry 2 }

p4paoPasoOutputName OBJECT-TYPE

SYNTAX OCTET STRING

```

ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "AUX I/O Output Name"
::= { pasov4PmcardAuxOutputEntry 3 }

p4paoPasoOutputStatus OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "AUX I/O Output Status
Invalid(0) Note: This value can not control,
Event Off-Open Loop(1),
Event On-Close Loop(2)"
::= { pasov4PmcardAuxOutputEntry 4 }

pasov4SystemGetMeasurementData OBJECT IDENTIFIER
::= { pnmsPasoV4pmMelop 3 }

pasov4GetMeasurementTable OBJECT-TYPE
SYNTAX          SEQUENCE OF Pasov4GetMeasurementEntry
ACCESS          not-accessible
STATUS          mandatory
DESCRIPTION     "Measurement Data"
::= { pasov4SystemGetMeasurementData 1 }

pasov4GetMeasurementEntry OBJECT-TYPE
SYNTAX          Pasov4GetMeasurementEntry
ACCESS          not-accessible
STATUS          mandatory
DESCRIPTION     "Measurement Entry"
INDEX { p4gmManagerIndex }
::= { pasov4GetMeasurementTable 1 }

Pasov4GetMeasurementEntry ::= SEQUENCE {
    p4gmManagerIndex      IpAddress,
    p4gmRequestID         INTEGER,
    p4gmTargetPasolink    IpAddress,
    p4gmDataStatus        INTEGER
}

p4gmManagerIndex OBJECT-TYPE
SYNTAX          IpAddress
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Upper(higher-level) Manager IpAddress"
::= { pasov4GetMeasurementEntry 1 }

p4gmRequestID OBJECT-TYPE
SYNTAX          INTEGER (1..9999)
ACCESS          read-write
STATUS          mandatory
DESCRIPTION     "Request ID"
::= { pasov4GetMeasurementEntry 2 }

p4gmTargetPasolink OBJECT-TYPE
SYNTAX          IpAddress
ACCESS          read-write
STATUS          mandatory
DESCRIPTION     "Target Pasolink IpAddress"
::= { pasov4GetMeasurementEntry 3 }

p4gmDataStatus OBJECT-TYPE
SYNTAX          INTEGER (0..3)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Data Status
invalid(0),

```

```

ready(1),
wait(2),
fail(3)"
::= { pasov4GetMeasurementEntry 4 }

```

-- pmTrap Group Definitions

```

pasoV4pmTrapCommon OBJECT IDENTIFIER
::= { pnmsPasoV4pmTrap 1 }

```

```

pasoV4pmTrapGenericVars OBJECT IDENTIFIER
::= { pasoV4pmTrapCommon 1 }

```

```

v4trapSequenceNumber OBJECT-TYPE
    SYNTAX      Counter
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Trap Sequence Number(0..4294967295)"
    ::= { pasoV4pmTrapGenericVars 1 }

```

```

v4trapDate OBJECT-TYPE
    SYNTAX      DisplayString
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Trap Date (YYYY/MM/DD)"
    ::= { pasoV4pmTrapGenericVars 2 }

```

```

v4trapTime OBJECT-TYPE
    SYNTAX      DisplayString
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Trap Time (HH:MM:SS)"
    ::= { pasoV4pmTrapGenericVars 3 }

```

```

v4trapSource OBJECT-TYPE
    SYNTAX      OBJECT IDENTIFIER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Trap Source"
    ::= { pasoV4pmTrapGenericVars 4 }

```

```

pasoV4pmTrapX733Vars OBJECT IDENTIFIER
::= { pasoV4pmTrapCommon 2 }

```

```

v4severity OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Trap Severity
                  Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
    ::= { pasoV4pmTrapX733Vars 1 }

```

```

v4alarmType OBJECT-TYPE
    SYNTAX      AlarmTypeValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Alarm Type
                  Refer to AlarmTypeValue of TEXTUAL-CONVENTION"
    ::= { pasoV4pmTrapX733Vars 2 }

```

```

v4probableCause OBJECT-TYPE
    SYNTAX      ProbableCauseValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Probable Cause"

```

Refer to ProbableCauseValue of TEXTUAL-CONVENTION"
 ::= { pasoV4pmTrapX733Vars 3 }

pasoV4pmTrapManagerDetailVars OBJECT IDENTIFIER
 ::= { pasoV4pmTrapCommon 3 }

v4trapManagerType OBJECT-TYPE
 SYNTAX ManagerTypeValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "PNM connection manager type"
 ::= { pasoV4pmTrapManagerDetailVars 1 }

v4trapManagerStyle OBJECT-TYPE
 SYNTAX ManagerStyleValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Connection type(Local/Remote/Opposite)"
 ::= { pasoV4pmTrapManagerDetailVars 2 }

v4trapManagerIpAddress OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Connected PNM IP address
 IP address of SNMP manager which is connected is automatically set."
 ::= { pasoV4pmTrapManagerDetailVars 3 }

 -- pm Trap Item Type

pasoV4pmTrapItemType OBJECT IDENTIFIER
 ::= { pnmsPasoV4pmTrap 2 }

pasoV4pmTotalSummaryTrapItemType OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItemType 1 }

pasoV4pmPartialSummaryTrapItemType OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItemType 2 }

pasoV4pmAlarmTrapItemType OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItemType 3 }

pasoV4pmEventTrapItemType OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItemType 4 }

pasoV4pmStatusTrapItemType OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItemType 5 }

statusTypeV4Aux OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Status type of AUX.
 0: Invalid
 1: Alarm When Event Off-Open Loop
 2: Alarm When Event On-Close Loop
 3: Status"
 ::= { pasoV4pmStatusTrapItemType 1 }

statusTypeV4Ais OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Status type of AIS.
 0: Invalid

```

        1: AlarmType
        2: StatusType"
 ::= { pasoV4pmStatusTrapItem 2 }

pasoV4pmFilterTrapItem OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItem 6 }

pasoV4pmConfigTrapItem OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItem 7 }

pasov4InputName OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION  "Opto Name"
 ::= { pasoV4pmConfigTrapItem 1 }

pasov4InputCondition OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "Opto Condition
        invalid(0),
        Alarm When Event Off-Open Loop(1),
        Alarm When Event On-Close Loop(2),
        Status(3)"
 ::= { pasoV4pmConfigTrapItem 2 }

pasov4OutputName OBJECT-TYPE
    SYNTAX  OCTET STRING
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION  "Relay Name"
 ::= { pasoV4pmConfigTrapItem 3 }

pasoV4pmSystemTrapItem OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItem 8 }

systemPasov4RequestID OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Request ID"
 ::= { pasoV4pmSystemTrapItem 1 }

systemPasov4TargetIpAddress OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Pasolink V4 IpAddress"
 ::= { pasoV4pmSystemTrapItem 2 }

systemPasov4Result OBJECT-TYPE
    SYNTAX      INTEGER (0..3)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Request Result
    invalid(0),
    ready(1),
    wait(2),
    fail(3)"
 ::= { pasoV4pmSystemTrapItem 4 }

-----
-- pm Trap Item Var
-----

```

pasoV4pmTrapItemVar OBJECT IDENTIFIER
 ::= { pnmsPasoV4pmTrap 3 }

 -- pm Total Summary Trap Item Var

pasoV4pmTotalSummaryTrapItemVar OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItemVar 1 }

v4totalSummaryItem OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Total Sumamry
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmTotalSummaryTrapItemVar 1 }

 -- pm Partial Summary Trap Item Var

pasoV4pmPartialSummaryTrapItemVar OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItemVar 2 }

v4partialSummaryItemOdu OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU Summary
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmPartialSummaryTrapItemVar 1 }

v4partialSummaryItemIdu OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "IDU Summary
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmPartialSummaryTrapItemVar 2 }

v4partialSummaryItemPmc OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "PMC Summary
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmPartialSummaryTrapItemVar 3 }

v4partialSummaryItemAux OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX.IO Summary
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmPartialSummaryTrapItemVar 4 }

v4partialSummaryItemLpm OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Link Performance Monitor Summary
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmPartialSummaryTrapItemVar 5 }

 -- pm Alarm Trap Item Var

pasoV4pmAlarmTrapItemVar OBJECT IDENTIFIER
 ::= { pasoV4pmTrapItemVar 3 }

alarmItemV4InputLoss OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Input Loss
 0: Invalid
 1: Normal
 2: Alarm
 severity=major
 alarmType=communicationAlarm
 probableCause=lossOfSignal"
 ::= { pasoV4pmAlarmTrapItemVar 1 }

alarmItemV4BpOutputLoss OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "BP Output Loss
 0: Invalid
 1: Normal
 2: Alarm
 severity=major
 alarmType=communicationAlarm
 probableCause=lossOfSignal"
 ::= { pasoV4pmAlarmTrapItemVar 2 }

alarmItemV4WsInputLoss OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "WS Input Loss
 0: Invalid
 1: Normal
 2: Alarm
 severity=major
 alarmType=communicationAlarm
 probableCause=lossOfSignal"
 ::= { pasoV4pmAlarmTrapItemVar 3 }

alarmItemV4WsBpOutputLoss OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "WS BP Output Loss
 0: Invalid
 1: Normal
 2: Alarm
 severity=major
 alarmType=communicationAlarm
 probableCause=lossOfSignal"
 ::= { pasoV4pmAlarmTrapItemVar 4 }

alarmItemV4OduIduLink OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Status of ODU IDU Link
 0: Invalid
 1: Normal

```

                2: Alarm
                                severity=major
                                alarmType=communicationAlarm
                                probableCause=lossOfSignal"
 ::= { pasoV4pmAlarmTrapItemVar 5 }

alarmItemV4IfInput OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "IF Input
                    0: Invalid
                    1: Normal
                    2: Alarm
                                severity=major
                                alarmType=communicationAlarm
                                probableCause=lossOfSignal"
 ::= { pasoV4pmAlarmTrapItemVar 6 }

alarmItemV4RxApC OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "RX APC
                    0: Invalid
                    1: Normal
                    2: Alarm
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pasoV4pmAlarmTrapItemVar 7 }

alarmItemV4TxApC OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "TX APC
                    0: Invalid
                    1: Normal
                    2: Alarm
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pasoV4pmAlarmTrapItemVar 8 }

alarmItemV4RxLev OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "RX Level
                    0: Invalid
                    1: Normal
                    2: Alarm
                                severity=major
                                alarmType=qualityOfServiceAlarm
                                probableCause=thresholdCrossed"
 ::= { pasoV4pmAlarmTrapItemVar 9 }

alarmItemV4TxPwr OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "TX Power
                    0: Invalid
                    1: Normal
                    2: Alarm
                                severity=major

```



```

alarmType=equipmentAlarm
probableCause=powerProblem"
::= { pasoV4pmAlarmTrapItemVar 10 }

alarmItemV4LoBer OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Low BER
                0: Invalid
                1: Normal
                2: Alarm
                severity=minor
                alarmType=qualityOfServiceAlarm
                probableCause=thresholdCrossed"
::= { pasoV4pmAlarmTrapItemVar 11 }

alarmItemV4HiBer OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "High BER
                0: Invalid
                1: Normal
                2: Alarm
                severity=minor
                alarmType=qualityOfServiceAlarm
                probableCause=thresholdCrossed"
::= { pasoV4pmAlarmTrapItemVar 12 }

alarmItemV4Ber OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "BER
                0: Invalid
                1: Normal
                2: Alarm
                severity=major
                alarmType=communicationAlarm
                probableCause=framingError"
::= { pasoV4pmAlarmTrapItemVar 13 }

alarmItemV4FrameAsync OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Frame Async
                0: Invalid
                1: Normal
                2: Alarm
                severity=major
                alarmType=communicationAlarm
                probableCause=framingError"
::= { pasoV4pmAlarmTrapItemVar 14 }

alarmItemV4Dem OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "DEM
                0: Invalid
                1: Normal
                2: Alarm
                severity=major
                alarmType=equipmentAlarm
                probableCause=equipmentMalfunction"

```

```

::= { pasoV4pmAlarmTrapItemVar 15 }
alarmItemV4Mod OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "MOD
                0: Invalid
                1: Normal
                2: Alarm

                severity=major
                alarmType=equipmentAlarm
                probableCause=equipmentMalfunction"
::= { pasoV4pmAlarmTrapItemVar 16 }

alarmItemV4CpuAlarm OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "CPU Alarm
                0: Invalid
                1: Normal
                2: Alarm

                severity=major
                alarmType=equipmentAlarm
                probableCause=processorProblem"
::= { pasoV4pmAlarmTrapItemVar 17 }

alarmItemV4TxClkLoss OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "TX Clock Loss
                0: Invalid
                1: Normal
                2: Alarm

                severity=major
                alarmType=communicationAlarm
                probableCause=lossOfSignal"
::= { pasoV4pmAlarmTrapItemVar 18 }

alarmItemV4RxClkLoss OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "RX Clock Loss
                0: Invalid
                1: Normal
                2: Alarm

                severity=major
                alarmType=communicationAlarm
                probableCause=lossOfSignal"
::= { pasoV4pmAlarmTrapItemVar 19 }

alarmItemV4PmonDaily OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "PMON Daily Alarm
                0: Invalid
                1: Normal
                2: Alarm

                severity=minor
                alarmType=qualityOfServiceAlarm
                probableCause=thresholdCrossed"
::= { pasoV4pmAlarmTrapItemVar 20 }

alarmItemV4PmonWeekly OBJECT-TYPE

```

```

SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "PMON Weekly Alarm
                0: Invalid
                1: Normal
                2: Alarm
                severity=minor
                alarmType=qualityOfServiceAlarm
                probableCause=thresholdCrossed"
::= { pasoV4pmAlarmTrapItemVar 21 }

alarmItemV4PasoConnection OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Status of Pasolink Connection
                0: Invalid
                1: Normal
                2: Alarm
                severity=major
                alarmType=communicationAlarm
                probableCause=lossOfSignal"
::= { pasoV4pmAlarmTrapItemVar 22 }

alarmItemV4PmcCommunication OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Status of PMC Communication
                0: Invalid
                1: Normal
                2: Alarm
                severity=major
                alarmType=communicationAlarm
                probableCause=lossOfSignal"
::= { pasoV4pmAlarmTrapItemVar 23 }

alarmItemV4LanLinkAlarm OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "LAN Link Alarm
                0: Invalid
                1: Normal
                2: Alarm
                severity=major
                alarmType=communicationAlarm
                probableCause=lossOfSignal"
::= { pasoV4pmAlarmTrapItemVar 24 }

alarmItemV4LanCardAlarm OBJECT-TYPE
SYNTAX          INTEGER (0..2)
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "LAN Card Alarm
                0: Invalid
                1: Normal
                2: Alarm
                severity=major
                alarmType=equipmentAlarm
                probableCause=processorProblem"
::= { pasoV4pmAlarmTrapItemVar 25 }

alarmItemChUsageError OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only

```

```

STATUS          mandatory
DESCRIPTION      "CH Usage Error
                  0: Invalid
                  1: Normal
                  2: Alarm
                  severity=major
                  alarmType=communicationAlarm
                  probableCause=lossOfSignal"
::= { pasoV4pmAlarmTrapItemVar 26 }

alarmItemWsChUsageError OBJECT-TYPE
SYNTAX           INTEGER
ACCESS           read-only
STATUS           mandatory
DESCRIPTION      "CH Usage Error
                  0: Invalid
                  1: Normal
                  2: Alarm
                  severity=major
                  alarmType=communicationAlarm
                  probableCause=lossOfSignal"
::= { pasoV4pmAlarmTrapItemVar 27 }

-----
-- pm Event Trap Item Var
-----

pasoV4pmEventTrapItemVar OBJECT IDENTIFIER
::= { pasoV4pmTrapItemVar 4 }

eventItemV4WsAlmInh OBJECT-TYPE
SYNTAX           INTEGER
ACCESS           read-only
STATUS           mandatory
DESCRIPTION      "WS Alm Inh"
::= { pasoV4pmEventTrapItemVar 1 }

eventItemV4Lb2 OBJECT-TYPE
SYNTAX           INTEGER
ACCESS           read-only
STATUS           mandatory
DESCRIPTION      "LB2"
::= { pasoV4pmEventTrapItemVar 2 }

eventItemV4Lb1 OBJECT-TYPE
SYNTAX           INTEGER
ACCESS           read-only
STATUS           mandatory
DESCRIPTION      "LB1"
::= { pasoV4pmEventTrapItemVar 3 }

eventItemV4AlmInh OBJECT-TYPE
SYNTAX           INTEGER
ACCESS           read-only
STATUS           mandatory
DESCRIPTION      "Alm Inh"
::= { pasoV4pmEventTrapItemVar 4 }

eventItemV4Sc4Selector OBJECT-TYPE
SYNTAX           INTEGER
ACCESS           read-only
STATUS           mandatory
DESCRIPTION      "SC4 Selector"
::= { pasoV4pmEventTrapItemVar 5 }

eventItemV4Sc5Selector OBJECT-TYPE
SYNTAX           INTEGER

```

```

ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "SC5 Selector"
::= { pasoV4pmEventTrapItemVar 6 }

eventItemV4Remote OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Remote"
::= { pasoV4pmEventTrapItemVar 7 }

eventItemV4TxSelected OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Tx Selected"
::= { pasoV4pmEventTrapItemVar 8 }

eventItemV4RxSelected OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Rx Selected"
::= { pasoV4pmEventTrapItemVar 9 }

eventItemV4FrameID OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Frame ID"
::= { pasoV4pmEventTrapItemVar 10 }

eventItemV4BerThreshold OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Ber Threshold"
::= { pasoV4pmEventTrapItemVar 11 }

eventItemV4AisRcvd OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Ais Rcvd"
::= { pasoV4pmEventTrapItemVar 12 }

eventItemV4AisSend OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Ais Send"
::= { pasoV4pmEventTrapItemVar 13 }

eventItemV4TxAtt OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "MTPC TX Power[dB]"
::= { pasoV4pmEventTrapItemVar 14 }

eventItemV4BerAis OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Ber Ais"
::= { pasoV4pmEventTrapItemVar 15 }

```

eventItemV4Cw OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CW"
 ::= { pasoV4pmEventTrapItemVar 16 }

eventItemV4Maint OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Maint"
 ::= { pasoV4pmEventTrapItemVar 17 }

eventItemV4Mute OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Mute"
 ::= { pasoV4pmEventTrapItemVar 18 }

eventItemV4AuxOutput OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Aux Output"
 ::= { pasoV4pmEventTrapItemVar 19 }

eventItemV4RxSel OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Rx Sel"
 ::= { pasoV4pmEventTrapItemVar 20 }

eventItemV4TxSel OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Tx Sel"
 ::= { pasoV4pmEventTrapItemVar 21 }

eventItemV4RxSelAns OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Rx Sel Ans"
 ::= { pasoV4pmEventTrapItemVar 22 }

eventItemV4TxSelAns OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Tx Sel Ans"
 ::= { pasoV4pmEventTrapItemVar 23 }

eventItemV4DemInv OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Dem Inv"
 ::= { pasoV4pmEventTrapItemVar 24 }

eventItemV4Config OBJECT-TYPE
 SYNTAX INTEGER
 ACCESS read-only

```

STATUS          mandatory
DESCRIPTION     "Config"
::= { pasoV4pmEventTrapItemVar 25 }

eventItemV4ManualSw OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Manual SW"
::= { pasoV4pmEventTrapItemVar 26 }

eventItemV4BitRate OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Bit Rate"
::= { pasoV4pmEventTrapItemVar 27 }

eventItemV4LanMount OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "LAN Mount"
::= { pasoV4pmEventTrapItemVar 28 }

eventItemV4FeLinkCtrl OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "FE Link Ctrl"
::= { pasoV4pmEventTrapItemVar 29 }

eventItemV4LanThroughput OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "LAN Throughput"
::= { pasoV4pmEventTrapItemVar 30 }

eventItemV4LanWanSel OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "LAN WAN Sel"
::= { pasoV4pmEventTrapItemVar 31 }

eventItemV4CasCtrl OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Cas Ctrl"
::= { pasoV4pmEventTrapItemVar 32 }

eventItemV4CrcCtrl OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "CRC Ctrl"
::= { pasoV4pmEventTrapItemVar 33 }

eventItemV4FlowCtrl OBJECT-TYPE
SYNTAX          INTEGER
ACCESS          read-only
STATUS          mandatory
DESCRIPTION     "Flow Ctrl"
::= { pasoV4pmEventTrapItemVar 34 }

```

```

eventItemV4LanMode OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "LAN Mode"
    ::= { pasoV4pmEventTrapItemVar 35 }

eventItemV4CollisionReport OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "Collision Report"
    ::= { pasoV4pmEventTrapItemVar 36 }

eventItemV4LanReset OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "LAN Reset"
    ::= { pasoV4pmEventTrapItemVar 37 }

eventItemV4CollAlarm OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "Coll Alarm"
    ::= { pasoV4pmEventTrapItemVar 38 }

eventItemV4CableLengthDs3 OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "Cable Length DS3"
    ::= { pasoV4pmEventTrapItemVar 39 }

eventItemV4AisEnbDs3 OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "AIS Enb DS3"
    ::= { pasoV4pmEventTrapItemVar 40 }

eventItemV4BipolarCodeWs OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "Bipolar Code WS"
    ::= { pasoV4pmEventTrapItemVar 41 }

eventItemV4CableLengthWs OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "Cable Length WS"
    ::= { pasoV4pmEventTrapItemVar 42 }

eventItemV4BipolarCode OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION      "Bipolar Code"
    ::= { pasoV4pmEventTrapItemVar 43 }

eventItemV4CableLength OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS           read-only
    STATUS           mandatory

```



```

        DESCRIPTION      "Cable Length"
        ::= { pasoV4pmEventTrapItemVar 44 }

eventItemV4Atpc OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "ATPC"
    ::= { pasoV4pmEventTrapItemVar 45 }

eventItemV4AtpcRxThreshold OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Rx Threshold"
    ::= { pasoV4pmEventTrapItemVar 46 }

eventItemV4AtpcMaxPower OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "ATPC MAX Power"
    ::= { pasoV4pmEventTrapItemVar 47 }

eventItemV4AtpcMinPower OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "ATPC MIN Power"
    ::= { pasoV4pmEventTrapItemVar 48 }

eventItemV4OduAlmMode OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "ODU Alm mode"
    ::= { pasoV4pmEventTrapItemVar 49 }

eventItemV4TxFreq OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Tx Frequency[MHz]"
    ::= { pasoV4pmEventTrapItemVar 50 }

eventItemV4RxFreq OBJECT-TYPE
    SYNTAX      OCTET STRING
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Rx Frequency[MHz]"
    ::= { pasoV4pmEventTrapItemVar 51 }

eventItemV4LanCollReport OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "LAN Coll Report"
    ::= { pasoV4pmEventTrapItemVar 52 }

eventItemV4TxSwPriority OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Sw Priority"
    ::= { pasoV4pmEventTrapItemVar 53 }

eventItemV4Ne500Ctrl OBJECT-TYPE

```

```

SYNTAX      INTEGER
ACCESS      read-only
STATUS      mandatory
DESCRIPTION  "NE 500 Ctrl"
::= { pasoV4pmEventTrapItemVar 54 }

```

```

eventItemV4AisRcvdInh OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "AIS Rcvd Inh"
    ::= { pasoV4pmEventTrapItemVar 55 }

```

```

eventItemV4WsAisRcvdInh OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "WS AIS Rcvd Inh"
    ::= { pasoV4pmEventTrapItemVar 56 }

```

```

eventItemV4ChUsageErrorCtrl OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "CH Usage Error Ctrl"
    ::= { pasoV4pmEventTrapItemVar 57 }

```

```

eventItemV4AtpcManualCtrl OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "ATPC Manual Ctrl"
    ::= { pasoV4pmEventTrapItemVar 58 }

```

```

eventItemV4BerAisMaint OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Ber Ais Maint"
    ::= { pasoV4pmEventTrapItemVar 59 }

```

```

eventItemV4TxFreqCh OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "TX Frequency Channel"
    ::= { pasoV4pmEventTrapItemVar 60 }

```

```

-----
-- pm Status Trap Item Var
-----

```

```

pasoV4pmStatusTrapItemVar OBJECT IDENTIFIER
    ::= { pasoV4pmTrapItemVar 5 }

```

```

statusItemV4AisRcvd OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "AIS RCVD
                  0: Invalid
                  1: Normal
                  2: RCVD
                  severity=major
                  alarmType=qualityOfServiceAlarm
                  probableCause=thresholdCrossed"
    ::= { pasoV4pmStatusTrapItemVar 1 }

```

```

statusItemV4AisSend OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "AIS SEND
                    0: Invalid
                    1: Normal
                    2: SEND
                    severity=major
                    alarmType=qualityOfServiceAlarm
                    probableCause=thresholdCrossed"
    ::= { pasoV4pmStatusTrapItemVar 2 }

statusItemV4WsAisRcvd OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "WS AIS RCVD
                    0: Invalid
                    1: Normal
                    2: RCVD
                    severity=major
                    alarmType=qualityOfServiceAlarm
                    probableCause=thresholdCrossed"
    ::= { pasoV4pmStatusTrapItemVar 3 }

statusItemV4WsAisSend OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "WS AIS SEND
                    0: Invalid
                    1: Normal
                    2: SEND
                    severity=major
                    alarmType=qualityOfServiceAlarm
                    probableCause=thresholdCrossed"
    ::= { pasoV4pmStatusTrapItemVar 4 }

statusItemV4AuxInput OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "AUX Input
                    0: Invalid
                    1: Normal
                    2: Alarm
                    severity=major
                    alarmType=equipmentAlarm
                    probableCause=equipmentMalfunction"
    ::= { pasoV4pmStatusTrapItemVar 5 }

statusItemV4AuxInputChangeIndex OBJECT-TYPE
    SYNTAX          INTEGER
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "AUX Input Change Index"
    ::= { pasoV4pmStatusTrapItemVar 6 }

statusItemV4CollAlarm OBJECT-TYPE
    SYNTAX          INTEGER (0..2)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "Collision Alarm
                    0: Invalid
                    1: Normal

```

2: Collision"
 ::= { pasoV4pmStatusTrapItemVar 7 }

 -- pmSummary Group Definitions

pasoV4pmSummaryItem OBJECT IDENTIFIER
 ::= { pnmsPasoV4pmSummary 1 }

pasoV4pmOtherSummaryTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PasoV4pmOtherSummaryEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Summary Table"
 ::= { pasoV4pmSummaryItem 1 }

pasoV4pmOtherSummaryEntry OBJECT-TYPE
 SYNTAX PasoV4pmOtherSummaryEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Summary Table Entry"
 INDEX {
 v4posPasoIndex
 }
 ::= { pasoV4pmOtherSummaryTable 1 }

PasoV4pmOtherSummaryEntry ::= SEQUENCE {
 v4posPasoIndex IpAddress,
 v4posPmcSummary SeverityValue,
 v4posAuxSummary SeverityValue,
 v4posLpmSummary SeverityValue
 }

v4posPasoIndex OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "PASOLINK IP ADDRESS"
 ::= { pasoV4pmOtherSummaryEntry 1 }

v4posPmcSummary OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "PMC Summary
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmOtherSummaryEntry 2 }

v4posAuxSummary OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX Summary
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmOtherSummaryEntry 3 }

v4posLpmSummary OBJECT-TYPE
 SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Link Performance Monitor Summary
 Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
 ::= { pasoV4pmOtherSummaryEntry 4 }

pasoV4pmSummaryTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PasoV4pmSummaryEntry

```

ACCESS      not-accessible
STATUS      mandatory
DESCRIPTION "Summary Table"
::= { pasoV4pmSummaryItem 2 }

```

```

pasoV4pmSummaryEntry OBJECT-TYPE
    SYNTAX      PasoV4pmSummaryEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Summary Table Entry"
    INDEX       {
                v4psPasolIndex,
                v4psSummaryIndex
            }
    ::= { pasoV4pmSummaryTable 1 }

```

```

PasoV4pmSummaryEntry ::= SEQUENCE {
    v4psPasolIndex      IpAddress,
    v4psSummaryIndex    INTEGER,
    v4psOduSummary      SeverityValue,
    v4psIduSummary      SeverityValue
}

```

```

v4psPasolIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "PASOLINK IP ADDRESS"
    ::= { pasoV4pmSummaryEntry 1 }

```

```

v4psSummaryIndex OBJECT-TYPE
    SYNTAX      INTEGER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Index"
    ::= { pasoV4pmSummaryEntry 2 }

```

```

v4psOduSummary OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "ODU Summary
                Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
    ::= { pasoV4pmSummaryEntry 3 }

```

```

v4psIduSummary OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "IDU Summary
                Invalid(0),Clear(1),Minor(2),Major(3),Critical(4)"
    ::= { pasoV4pmSummaryEntry 4 }

```

-- TRAP Definitions

```

v4partialSummaryTrapOdu TRAP-TYPE
    ENTERPRISE      pasolinkV4
    VARIABLES       {
        v4trapSequenceNumber,
        v4trapDate,
        v4trapTime,
        v4severity,
        v4alarmType,
        v4probableCause,
        v4trapSource,
    }

```

```

v4partialSummaryItemOdu
}

::= 10

v4partialSummaryTrapIdu
ENTERPRISE
VARIABLES
TRAP-TYPE
pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    v4partialSummaryItemIdu
}

::= 11

v4partialSummaryTrapPmc
ENTERPRISE
VARIABLES
TRAP-TYPE
pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    v4partialSummaryItemPmc
}

::= 12

v4partialSummaryTrapAux
ENTERPRISE
VARIABLES
TRAP-TYPE
pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    v4partialSummaryItemAux
}

::= 13

v4partialSummaryTrapLpm
ENTERPRISE
VARIABLES
TRAP-TYPE
pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    v4partialSummaryItemLpm
}

::= 14

alarmTrapV4InputLoss
ENTERPRISE
VARIABLES
TRAP-TYPE
pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,

```

```

v4alarmType,
v4probableCause,
v4trapSource,
alarmItemV4InputLoss
}
::= 101

alarmTrapV4BpOutputLoss TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,
                        alarmItemV4BpOutputLoss
                        }
::= 102

alarmTrapV4WsInputLoss  TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,
                        alarmItemV4WsInputLoss
                        }
::= 103

alarmTrapV4WsBpOutputLoss TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,
                        alarmItemV4WsBpOutputLoss
                        }
::= 104

alarmTrapV4OduLink      TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,
                        alarmItemV4OduLink
                        }
::= 105

alarmTrapV4IfInput      TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
                        v4trapSequenceNumber,

```

```

v4trapDate,
v4trapTime,
v4severity,
v4alarmType,
v4probableCause,
v4trapSource,
alarmItemV4IfInput
}

::= 106

alarmTrapV4RxApC TRAP-TYPE
  ENTERPRISE      pasolinkV4
  VARIABLES {
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    alarmItemV4RxApC
  }

::= 107

alarmTrapV4TxApC TRAP-TYPE
  ENTERPRISE      pasolinkV4
  VARIABLES {
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    alarmItemV4TxApC
  }

::= 108

alarmTrapV4RxLev TRAP-TYPE
  ENTERPRISE      pasolinkV4
  VARIABLES {
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    alarmItemV4RxLev
  }

::= 109

alarmTrapV4TxPwr TRAP-TYPE
  ENTERPRISE      pasolinkV4
  VARIABLES {
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    alarmItemV4TxPwr
  }

::= 110

alarmTrapV4LoBer TRAP-TYPE

```



```

ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4severity,
                v4alarmType,
                v4probableCause,
                v4trapSource,
                alarmItemV4LoBer
                }
::= 111

alarmTrapV4HiBer TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4severity,
                v4alarmType,
                v4probableCause,
                v4trapSource,
                alarmItemV4HiBer
                }
::= 112

alarmTrapV4Ber   TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4severity,
                v4alarmType,
                v4probableCause,
                v4trapSource,
                alarmItemV4Ber
                }
::= 113

alarmTrapV4FrameAsync TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4severity,
                v4alarmType,
                v4probableCause,
                v4trapSource,
                alarmItemV4FrameAsync
                }
::= 114

alarmTrapV4Dem   TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4severity,
                v4alarmType,
                v4probableCause,
                v4trapSource,
                alarmItemV4Dem
                }

```

```

::= 115
alarmTrapV4Mod      TRAP-TYPE
    ENTERPRISE      pasolinkV4
    VARIABLES       {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,
                        alarmItemV4Mod
                      }

::= 116
alarmTrapV4CpuAlarm TRAP-TYPE
    ENTERPRISE      pasolinkV4
    VARIABLES       {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,
                        alarmItemV4CpuAlarm
                      }

::= 117
alarmTrapV4TxClkLoss TRAP-TYPE
    ENTERPRISE      pasolinkV4
    VARIABLES       {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,
                        alarmItemV4TxClkLoss
                      }

::= 118
alarmTrapV4RxClkLoss TRAP-TYPE
    ENTERPRISE      pasolinkV4
    VARIABLES       {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,
                        alarmItemV4RxClkLoss
                      }

::= 119
alarmTrapV4PmonDaily TRAP-TYPE
    ENTERPRISE      pasolinkV4
    VARIABLES       {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4severity,
                        v4alarmType,
                        v4probableCause,
                        v4trapSource,

```

```

alarmItemV4PmonDaily
    }
::= 120
alarmTrapV4PmonWeekly ENTERPRISE TRAP-TYPE
VARIABLES              pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    alarmItemV4PmonWeekly
}
::= 121
alarmTrapV4PasoConnection ENTERPRISE TRAP-TYPE
VARIABLES                  pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    alarmItemV4PasoConnection
}
::= 122
alarmTrapV4PmcCommunication ENTERPRISE TRAP-TYPE
VARIABLES                   pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    alarmItemV4PmcCommunication
}
::= 123
alarmTrapV4LanLinkAlarm ENTERPRISE TRAP-TYPE
VARIABLES                pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,
    v4alarmType,
    v4probableCause,
    v4trapSource,
    alarmItemV4LanLinkAlarm
}
::= 124
alarmTrapV4LanCardAlarm ENTERPRISE TRAP-TYPE
VARIABLES                pasolinkV4
{
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4severity,

```

```

v4alarmType,
v4probableCause,
v4trapSource,
alarmItemV4LanCardAlarm
}
::= 125

alarmTrapChUsageError TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4severity,
v4alarmType,
v4probableCause,
v4trapSource,
alarmItemChUsageError
}
::= 126

alarmTrapWsChUsageError TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4severity,
v4alarmType,
v4probableCause,
v4trapSource,
alarmItemWsChUsageError
}
::= 127

eventTrapV4WsAlmInh TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4WsAlmInh
}
::= 201

eventTrapV4Lb2 TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4Lb2
}
::= 202

eventTrapV4Lb1 TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4Lb1
}
::= 203

```

```

eventTrapV4AlmInh TRAP-TYPE
    ENTERPRISE    pasolinkV4
    VARIABLES     {
                                v4trapSequenceNumber,
                                v4trapDate,
                                v4trapTime,
                                v4trapSource,
                                eventItemV4AlmInh
                                }
    ::= 204

eventTrapV4Sc4Selector TRAP-TYPE
    ENTERPRISE    pasolinkV4
    VARIABLES     {
                                v4trapSequenceNumber,
                                v4trapDate,
                                v4trapTime,
                                v4trapSource,
                                eventItemV4Sc4Selector
                                }
    ::= 205

eventTrapV4Sc5Selector TRAP-TYPE
    ENTERPRISE    pasolinkV4
    VARIABLES     {
                                v4trapSequenceNumber,
                                v4trapDate,
                                v4trapTime,
                                v4trapSource,
                                eventItemV4Sc5Selector
                                }
    ::= 206

eventTrapV4Remote TRAP-TYPE
    ENTERPRISE    pasolinkV4
    VARIABLES     {
                                v4trapSequenceNumber,
                                v4trapDate,
                                v4trapTime,
                                v4trapSource,
                                eventItemV4Remote
                                }
    ::= 207

eventTrapV4TxSelected TRAP-TYPE
    ENTERPRISE    pasolinkV4
    VARIABLES     {
                                v4trapSequenceNumber,
                                v4trapDate,
                                v4trapTime,
                                v4trapSource,
                                eventItemV4TxSelected
                                }
    ::= 208

eventTrapV4RxSelected TRAP-TYPE
    ENTERPRISE    pasolinkV4
    VARIABLES     {
                                v4trapSequenceNumber,
                                v4trapDate,
                                v4trapTime,
                                v4trapSource,
                                eventItemV4RxSelected
                                }
    ::= 209

```

eventTrapV4FrameID	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4FrameID
	}
::= 210	
eventTrapV4BerThreshold	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4BerThreshold
	}
::= 211	
eventTrapV4AisRcvd	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4AisRcvd
	}
::= 212	
eventTrapV4AisSend	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4AisSend
	}
::= 213	
eventTrapV4TxAtt	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4TxAtt
	}
::= 214	
eventTrapV4BerAis	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4BerAis
	}
::= 215	
eventTrapV4Cw	TRAP-TYPE

```

ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4trapSource,
                eventItemV4Cw
                }
::= 216

eventTrapV4Maint TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4trapSource,
                eventItemV4Maint
                }
::= 217

eventTrapV4Mute TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4trapSource,
                eventItemV4Mute
                }
::= 218

eventTrapV4AuxOutput TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4trapSource,
                eventItemV4AuxOutput
                }
::= 219

eventTrapV4RxSel TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4trapSource,
                eventItemV4RxSel
                }
::= 220

eventTrapV4TxSel TRAP-TYPE
ENTERPRISE      pasolinkV4
VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4trapSource,
                eventItemV4TxSel
                }
::= 221

eventTrapV4RxSelAns TRAP-TYPE
ENTERPRISE      pasolinkV4

```

```

VARIABLES      {
                v4trapSequenceNumber,
                v4trapDate,
                v4trapTime,
                v4trapSource,
                eventItemV4RxSelAns
                }

::= 222

eventTrapV4TxSelAns TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES          {
                    v4trapSequenceNumber,
                    v4trapDate,
                    v4trapTime,
                    v4trapSource,
                    eventItemV4TxSelAns
                    }

::= 223

eventTrapV4DemInv TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES          {
                    v4trapSequenceNumber,
                    v4trapDate,
                    v4trapTime,
                    v4trapSource,
                    eventItemV4DemInv
                    }

::= 224

eventTrapV4Config TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES          {
                    v4trapSequenceNumber,
                    v4trapDate,
                    v4trapTime,
                    v4trapSource,
                    eventItemV4Config
                    }

::= 225

eventTrapV4ManualSw TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES          {
                    v4trapSequenceNumber,
                    v4trapDate,
                    v4trapTime,
                    v4trapSource,
                    eventItemV4ManualSw
                    }

::= 226

eventTrapV4BitRate TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES          {
                    v4trapSequenceNumber,
                    v4trapDate,
                    v4trapTime,
                    v4trapSource,
                    eventItemV4BitRate
                    }

::= 227

eventTrapV4LanMount TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES          {

```



```

v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4LanMount
}

::= 228

eventTrapV4FeLinkCtrl TRAP-TYPE
ENTERPRISE            pasolinkV4
VARIABLES              {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4trapSource,
                        eventItemV4FeLinkCtrl
                        }

::= 229

eventTrapV4LanThroughput TRAP-TYPE
ENTERPRISE                pasolinkV4
VARIABLES                  {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4trapSource,
                        eventItemV4LanThroughput
                        }

::= 230

eventTrapV4LanWanSel TRAP-TYPE
ENTERPRISE            pasolinkV4
VARIABLES              {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4trapSource,
                        eventItemV4LanWanSel
                        }

::= 231

eventTrapV4CasCtrl TRAP-TYPE
ENTERPRISE            pasolinkV4
VARIABLES              {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4trapSource,
                        eventItemV4CasCtrl
                        }

::= 232

eventTrapV4CrcCtrl TRAP-TYPE
ENTERPRISE            pasolinkV4
VARIABLES              {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4trapSource,
                        eventItemV4CrcCtrl
                        }

::= 233

eventTrapV4FlowCtrl TRAP-TYPE
ENTERPRISE            pasolinkV4
VARIABLES              {
                        v4trapSequenceNumber,

```

```

v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4FlowCtrl
}

::= 234

eventTrapV4LanMode TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES           {
                    v4trapSequenceNumber,
                    v4trapDate,
                    v4trapTime,
                    v4trapSource,
                    eventItemV4LanMode
                    }

::= 235

eventTrapV4CollisionReport TRAP-TYPE
ENTERPRISE                 pasolinkV4
VARIABLES                 {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4trapSource,
                        eventItemV4CollisionReport
                        }

::= 236

eventTrapV4LanReset TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES           {
                    v4trapSequenceNumber,
                    v4trapDate,
                    v4trapTime,
                    v4trapSource,
                    eventItemV4LanReset
                    }

::= 237

eventTrapV4CollAlarm TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES           {
                    v4trapSequenceNumber,
                    v4trapDate,
                    v4trapTime,
                    v4trapSource,
                    eventItemV4CollAlarm
                    }

::= 238

eventTrapV4CableLengthDs3 TRAP-TYPE
ENTERPRISE                 pasolinkV4
VARIABLES                 {
                        v4trapSequenceNumber,
                        v4trapDate,
                        v4trapTime,
                        v4trapSource,
                        eventItemV4CableLengthDs3
                        }

::= 239

eventTrapV4AisEnbDs3 TRAP-TYPE
ENTERPRISE          pasolinkV4
VARIABLES           {
                    v4trapSequenceNumber,
                    v4trapDate,

```

```

v4trapTime,
v4trapSource,
eventItemV4AisEnbDs3
}

::= 240

eventTrapV4BipolarCodeWs TRAP-TYPE
ENTERPRISE               pasolinkV4
VARIABLES                {
                           v4trapSequenceNumber,
                           v4trapDate,
                           v4trapTime,
                           v4trapSource,
                           eventItemV4BipolarCodeWs
                           }

::= 241

eventTrapV4CableLengthWs TRAP-TYPE
ENTERPRISE               pasolinkV4
VARIABLES                {
                           v4trapSequenceNumber,
                           v4trapDate,
                           v4trapTime,
                           v4trapSource,
                           eventItemV4CableLengthWs
                           }

::= 242

eventTrapV4BipolarCode TRAP-TYPE
ENTERPRISE             pasolinkV4
VARIABLES              {
                       v4trapSequenceNumber,
                       v4trapDate,
                       v4trapTime,
                       v4trapSource,
                       eventItemV4BipolarCode
                       }

::= 243

eventTrapV4CableLength TRAP-TYPE
ENTERPRISE             pasolinkV4
VARIABLES              {
                       v4trapSequenceNumber,
                       v4trapDate,
                       v4trapTime,
                       v4trapSource,
                       eventItemV4CableLength
                       }

::= 244

eventTrapV4Atpc TRAP-TYPE
ENTERPRISE     pasolinkV4
VARIABLES      {
               v4trapSequenceNumber,
               v4trapDate,
               v4trapTime,
               v4trapSource,
               eventItemV4Atpc
               }

::= 245

eventTrapV4AtpcRxThreshold TRAP-TYPE
ENTERPRISE                pasolinkV4
VARIABLES                 {
                           v4trapSequenceNumber,
                           v4trapDate,
                           v4trapTime,

```

```

v4trapSource,
eventItemV4AtpcRxThreshold
}

::= 246

eventTrapV4AtpcMaxPower TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4AtpcMaxPower
}

::= 247

eventTrapV4AtpcMinPower TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4AtpcMinPower
}

::= 248

eventTrapV4OduAlmMode TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4OduAlmMode
}

::= 249

eventTrapV4TxFreq TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4TxFreq
}

::= 250

eventTrapV4RxFreq TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,
eventItemV4RxFreq
}

::= 251

eventTrapV4LanCollReport TRAP-TYPE
ENTERPRISE              pasolinkV4
VARIABLES               {
v4trapSequenceNumber,
v4trapDate,
v4trapTime,
v4trapSource,

```

	eventItemV4LanCollReport
	}
::= 252	
eventTrapV4TxSwPriority	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4TxSwPriority
	}
::= 253	
eventTrapV4Ne500Ctrl	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4Ne500Ctrl
	}
::= 254	
eventTrapV4AisRcvdInh	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4AisRcvdInh
	}
::= 255	
eventTrapV4WsAisRcvdInh	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4WsAisRcvdInh
	}
::= 256	
eventTrapV4ChUsageErrorCtrl	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4ChUsageErrorCtrl
	}
::= 257	
eventTrapV4AtpcManualCtrl	TRAP-TYPE
ENTERPRISE	pasolinkV4
VARIABLES	{
	v4trapSequenceNumber,
	v4trapDate,
	v4trapTime,
	v4trapSource,
	eventItemV4AtpcManualCtrl

```

    ::= 258
    eventTrapV4BerAisMaint TRAP-TYPE
      ENTERPRISE pasolinkV4
      VARIABLES {
        v4trapSequenceNumber,
        v4trapDate,
        v4trapTime,
        v4trapSource,
        eventItemV4BerAisMaint
      }
    ::= 259
    eventTrapV4TxFreqCh TRAP-TYPE
      ENTERPRISE pasolinkV4
      VARIABLES {
        v4trapSequenceNumber,
        v4trapDate,
        v4trapTime,
        v4trapSource,
        eventItemV4TxFreqCh
      }
    ::= 260

    configPasov4InputName TRAP-TYPE
      ENTERPRISE pasolinkV4
      VARIABLES {
        v4trapSequenceNumber,
        v4trapDate,
        v4trapTime,
        v4trapSource,
        pasov4InputName
      }
      DESCRIPTION "Opto Name"
    ::= 400

    configPasov4InputCondition TRAP-TYPE
      ENTERPRISE pasolinkV4
      VARIABLES {
        v4trapSequenceNumber,
        v4trapDate,
        v4trapTime,
        v4trapSource,
        pasov4InputCondition
      }
      DESCRIPTION "Opto Condition"
    ::= 401

    configPasov4OutputName TRAP-TYPE
      ENTERPRISE pasolinkV4
      VARIABLES {
        v4trapSequenceNumber,
        v4trapDate,
        v4trapTime,
        v4trapSource,
        pasov4OutputName
      }
      DESCRIPTION "Relay Name"
    ::= 402

    statusTrapV4AisRcvd TRAP-TYPE
      ENTERPRISE pasolinkV4
      VARIABLES {
        v4trapSequenceNumber,

```

	<pre> v4trapDate, v4trapTime, v4trapSource, v4severity, v4alarmType, v4probableCause, statusTypeV4Ais, statusItemV4AisRcvd } </pre>
::= 501	
<pre> statusTrapV4AisSend ENTERPRISE VARIABLES </pre>	<pre> TRAP-TYPE pasolinkV4 { v4trapSequenceNumber, v4trapDate, v4trapTime, v4trapSource, v4severity, v4alarmType, v4probableCause, statusTypeV4Ais, statusItemV4AisSend } </pre>
::= 502	
<pre> statusTrapV4WsAisRcvd ENTERPRISE VARIABLES </pre>	<pre> TRAP-TYPE pasolinkV4 { v4trapSequenceNumber, v4trapDate, v4trapTime, v4trapSource, v4severity, v4alarmType, v4probableCause, statusTypeV4Ais, statusItemV4WsAisRcvd } </pre>
::= 503	
<pre> statusTrapV4WsAisSend ENTERPRISE VARIABLES </pre>	<pre> TRAP-TYPE pasolinkV4 { v4trapSequenceNumber, v4trapDate, v4trapTime, v4trapSource, v4severity, v4alarmType, v4probableCause, statusTypeV4Ais, statusItemV4WsAisSend } </pre>
::= 504	
<pre> statusTrapV4AuxInput ENTERPRISE VARIABLES </pre>	<pre> TRAP-TYPE pasolinkV4 { v4trapSequenceNumber, v4trapDate, v4trapTime, v4trapSource, v4severity, v4alarmType, v4probableCause, statusTypeV4Aux, </pre>

```

                                statusItemV4AuxInputChangeIndex,
                                statusItemV4AuxInput
                                }
 ::= 505

statusTrapV4AuxInputChangeIndex TRAP-TYPE
ENTERPRISE pasolinkV4
VARIABLES {
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4trapSource,
    v4severity,
    v4alarmType,
    v4probableCause,
    statusTypeV4Aux,
    statusItemV4AuxInputChangeIndex,
    statusItemV4AuxInput
}
 ::= 506

statusTrapV4CollAlarm TRAP-TYPE
ENTERPRISE pasolinkV4
VARIABLES {
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    v4trapSource,
    v4severity,
    v4alarmType,
    v4probableCause,
    statusItemV4CollAlarm
}
 ::= 507

systemPasov4GetResult TRAP-TYPE
ENTERPRISE pasolinkV4
VARIABLES {
    v4trapSequenceNumber,
    v4trapDate,
    v4trapTime,
    systemPasov4RequestID,
    systemPasov4TargetIpAddress,
    systemPasov4Result
}
 ::= 600
DESCRIPTION "The result of Request"

```

```

-----
-- End User MIB Object Definitions
-----

```

```

END

```