

NEC

P **PASOLINK**

N **ETWORK**

M **ANAGEMENT**

S **YSTEM**

*Northbound
SNMP Interface Specification
for PNMSj
PASOLINK NEO*

CONTENTS

1. INTRODUCTION	1
2. PASOLINK NEO MIB	2
2.1 pasolinkNeoStdSystem	3
2.2 pasolinkNeoStdInformation	5
2.2.1 pnSummaryInfoGroup	7
2.2.2 pnTrapGroup	8
2.2.3 pnAlarmStatusGroup	8
2.2.4 pnEquipmentSetUpGroup.....	24
2.2.5 pnProvisioningGroup	29
2.2.6 pnMaintenanceGroup	51
2.2.7 pnInvEntryGroup.....	55
2.2.8 pnMeteringGroup.....	60
2.2.9 pnGetMeasurementDataGroup.....	62
APPENDIX 1	A-1

1. Introduction

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

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

2. PASOLINK NEO MIB

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

The detailed MIB definition is described in “MIB-PNMS-PASOLINK-NEO-STD.my” file. Please refer to the Appendix 1 PASOLINK NEO MIB Definition.

The MIB tree is shown in Figure 1. The first seven entries are NEC assigned MIB objects. The Management Information Base (MIB) of PASOLINK NEO equipment for the higher-level manager is mainly comprised of following two object ID's (pasolinkNeoStdSystem and pasolinkNeoStdInformation).



Figure 1 PASOLINK NEO MIB Tree (1)

2.1 pasolinkNeoStdSystem

This group defines the information of the equipment configuration, Auxiliary Input and Auxiliary Output. This group MIB tree is shown in Figure 2. The trap name and corresponding number of each item is described in the following table.

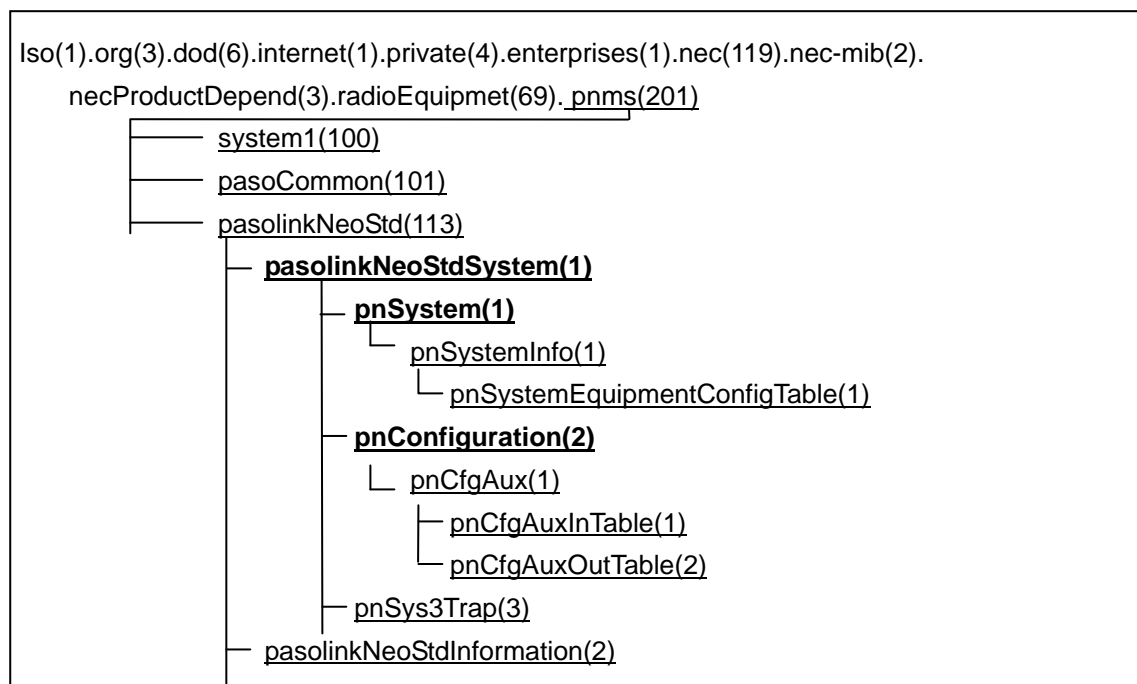


Figure 2 PASOLINK NEO MIB Tree (2)

pnSystemEquipmentConfigTable

Object Name	Item	Trap Name	Trap Number
pnSysPasolIndex	PASOLINK NE IP Address (used as index of this table)	-----	-----
pnSysEquipmentConfig	Equipment Configuration This is equipment configuration information. 0:Invalid 1:1+0 2:1+1 -- Not used 3:1+1 HS 4:1+1 TP 5:1+0 expandable -- Not used 7:1+0 4*2M -- Not used 8:1+0 20*2M -- Not used 9:2-WAY PDH 10:2-WAY TREE -- Not used 11:2-WAY REP -- Not used 12:2-WAY RING -- Not used	-----	-----

pnCfgAuxInTable

Object Name	Item	Trap Name	Trap Number
pnCfgAuxInPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnCfgAuxInIndex	Aux Input Index No. 1-6 (used as index of this table, 1-6)	-----	-----
pnCfgAuxInItemName	Aux Input Item Name	configTrapPnSys3AuxInItemName	704
pnCfgAuxInItemType	Aux Input Item Type 0: INVALID 1: ALARM WHEN EVENT OFF (OPEN LOOP) 2: ALARM WHEN EVENT ON (CLOSE LOOP) 3: STATUS	configTrapPnSys3AuxInItemType	705
pnCfgAuxInOpenState	Aux Input Open State	configTrapPnSys3AuxInOpenState	706
pnCfgAuxInCloseState	Aux Input Close State	configTrapPnSys3AuxInCloseState	707
PnCfgAuxInSeverity	Aux Input Severity Type 0: INVALID 1: CLEAR 2: MINOR 3: MAJOR 4: CRITICAL	configTrapPnSys3AuxInSeverity	708
pnCfgAuxInAlarmType	Aux Input Alarm Type	configTrapPnSys3AuxInAlarmType	709
pnCfgAuxInProbableCause	Aux Input Probable Cause	configTrapPnSys3AuxInProbableCause	710

pnCfgAuxOutTable

Object Name	Item	Trap Name	Trap Number
pnCfgAuxOutPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnCfgAuxOutIndex	Aux Output Index No. 1-4 (used as index of this table, 1-4)	-----	-----
pnCfgAuxOutItemName	Aux Output Item Name	configTrapPnSys3AuxOutItemName	711
pnCfgAuxOutOpenState	Aux Output Open State	configTrapPnSys3AuxOutOpenState	712
pnCfgAuxOutCloseState	Aux Output Close State	configTrapPnSys3AuxOutCloseState	713

2.2 pasolinkNeoStdInformation

This group includes the information of the detailed MIB object of PASOLINK NEO equipment. This group MIB tree is shown in following figure. The trap name and corresponding number of each item is described in the following table.

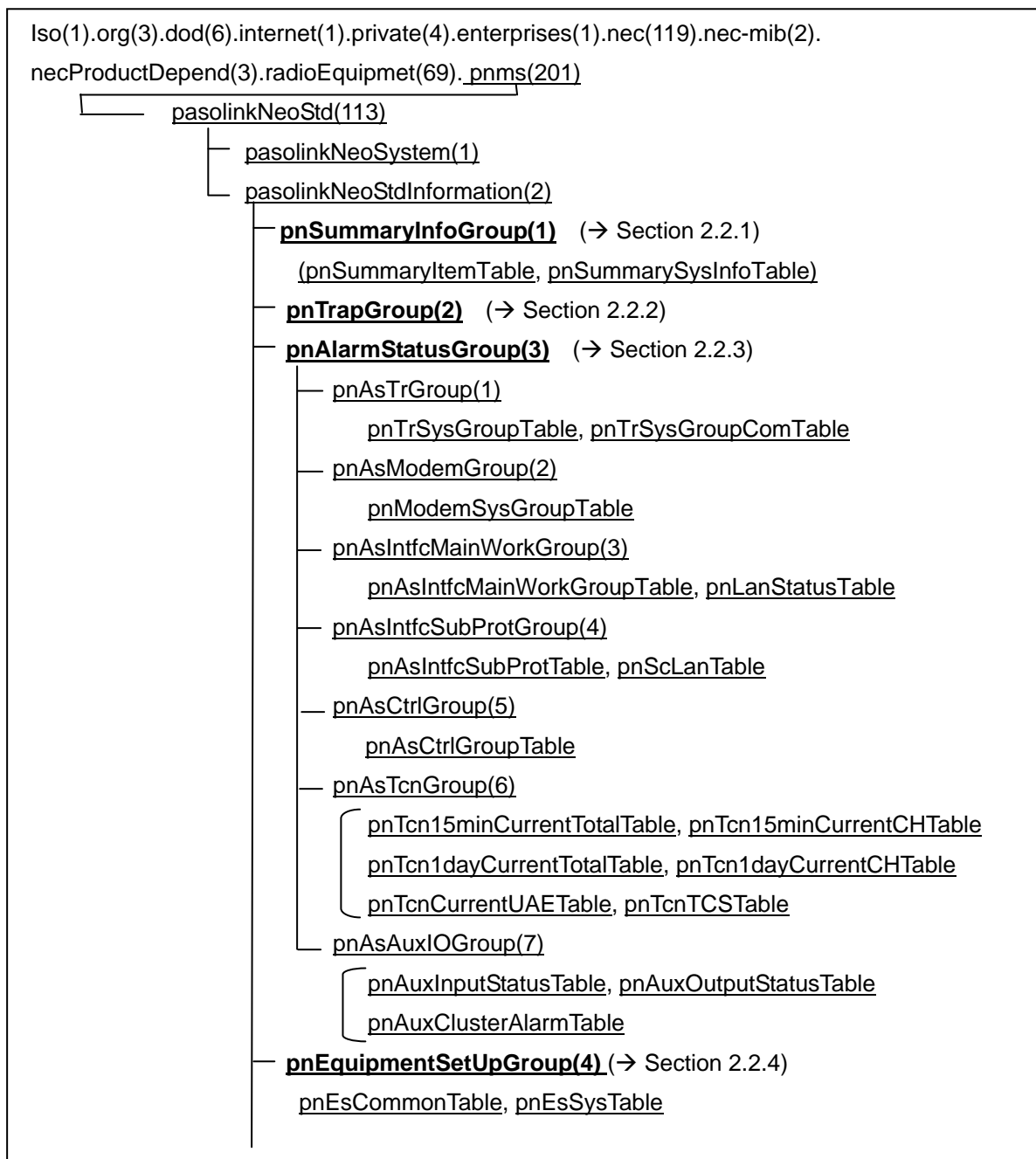




Figure 3 PASOLINK NEO MIB Tree (3)

2.2.1 pnSummaryInfoGroup

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

- ODU summary status
- IDU summary status
- CTRL module summary status
- Auxiliary input/output summary status
- Link performance monitor (LPM) summary status

pnSummaryItemTable

Object Name	Item	Trap Name	Trap Number
pnSummaryItemPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnCtrlSummary	CTRL Summary 0:INVALID 1:CLEAR 2:MINOR 3:MAJOR 4:CRITICAL	partialSummaryTrapCTRL	203
pnAuxIOSummary	AUX I/O Summary 0:INVALID 1:CLEAR 2:MINOR 3:MAJOR 4:CRITICAL	partialSummaryTrapAux	204
pnLinkPMONSummary	LPM Summary 0:INVALID 1:CLEAR 2:MINOR 3:MAJOR 4:CRITICAL	partialSummaryTrapLpm	205
pnIntfc1Summary	INTFC1 Summary 0:INVALID 1:CLEAR 2:MINOR 3:MAJOR 4:CRITICAL	partialSummaryTrapINTFC1	202
pnIntfc2Summary	INTFC2 Summary 0:INVALID 1:CLEAR 2:MINOR 3:MAJOR 4:CRITICAL	partialSummaryTrapINTFC2	206

pnSummarySysInfoTable

Object Name	Item	Trap Name	Trap Number
pnSummarySysInfoPasolIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnSummarySysInfoIndex	(used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system.	----	----
pnTruSummary	ODU Summary 0:INVALID 1:CLEAR 2:MINOR 3:MAJOR 4:CRITICAL	partialSummaryTrapTRU	201
pnModemSummary	MODEM Summary 0:INVALID 1:CLEAR 2:MINOR 3:MAJOR 4:CRITICAL	partialSummaryTrapMODEM	207

2.2.2 pnTrapGroup

The object ID's in this group defines trap information in pasolinkNeoStdInformation group.

2.2.3 pnAlarmStatusGroup

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

pnAsTrGroup - pnTrSysGroupTable

Object Name	Item	Trap Name	Trap Number
pnTrGroupPasolIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnTrGroupIndex	(used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-B is available for 2-WAY system.	----	----
pnTxPowerAlarm	TX Power Alarm 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTxPowerAlarm	301
pnTxInputAlarm	TX Input Alarm 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTxInputAlarm	302

Object Name	Item	Trap Name	Trap Number
pnRxLevelAlarm	RX Level Alarm 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDRxLevelAlarm	303
pnApcAlarm	APC Alarm 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDApcAlarm	304
pnTruCpuAlarm	ODU CPU/CABLE OPEN Alarm 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTRUCPUAlarm	305
pnTruLORefAlarm	LO REF Alarm 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTRULORefAlarm	374
pnMuteStatus	Mute Status 0:INVALID 1:OFF 2:ON	eventTrapPnSTDtxMuteStatus	403
pnTruTypeMismatch	ODU Type Mismatch 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTRUTypeMismatch	395
pnTruLinearizer	ODU Linearizer 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTRULinearizer	399

pnAsTrGroup - pnTrSysGroupComTable

Object Name	Item	Trap Name	Trap Number
pnTrGroupComPasolIndex	PASOLINK NE IP address (used as index of this table)	----	-----
pnTxSWStatus	TX SW Status 0:INVALID 1:No.1 2:No.2 This item is available for Hot stand-by system.	eventTrapPnSTDtxSWStatus	404
pnRxSWStatus	RX SW Status 0:INVALID 1:No.1 2:No.2 This item is available for 1+1 system.	eventTrapPnSTDRxSWStatus	406
pnTxSWLockInStatus	TX SW Lock in Status 0:INVALID 1:NORMAL 2:LOCK IN This item is available for 1+1 system.	eventTrapPnSTDtxSWLockInStatus	1703

Object Name	Item	Trap Name	Trap Number
pnTxSWReverseReq	TX SW Reverse Request 0:INVALID 1:NORMAL 2:RECEIVED 3:EXECUTED This item is available for 1+1 system.	eventTrapPnSTDtxSWReverseReq	1705

pnAsModemGroup - pnModemSysGroupTable

Object Name	Item	Trap Name	Trap Number
pnModemSysGroupPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnModemSysGroupIndex	Modem Group index (used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system.	-----	-----
pnModemAlarm	MODEM Module 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDModemAlarm	306
pnModemUnequipped	MODEM Unequipped 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDModemUneq	307
pnHighBERAlarm	High BER 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDHighBERAlarm	308
pnLowBERAlarm	Low BER 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLowBERAlarm	309
pnModAlarm	MOD 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDModAlarm	310
pnDemAlarm	DEM 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDDemAlarm	311
pnXIFLevelAlarm	XIF 0:INVALID 1:NORMAL 2:ALARM This item is available for XPIC system.	alarmTrapPnSTDxIfLevelAlarm	312
pnXControlAlarm	XCTRL This item is not used. 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDxContAlarm	313

Object Name	Item	Trap Name	Trap Number
pnXpicFuncStatus	XPIC Status 0:INVALID 1:NORMAL 2:RESET This item is available for XPIC system.	eventTrapPnSTDXPICFuncStatus	407
pnPowerSupplyAlarm	Power Supply 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDPSAlarm	314
pnIfCableShortAlarm	IF Cable Short 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDIfCableShort	315
pnLof	LOF 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLoF	316
pnLinearizerFunc	Linearizer Function 0:INVALID 1:N/A 2:Non Operation 3:Operation	eventTrapPnSTDLinearizerFunc	408
pnCableEQLAlarm	Cable EQL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDCableEQLAlarm	317
pnFadingDepthStatus	Fading Status This item is not used. 0:INVALID 1:NORMAL 2:OCCURRED	eventTrapPnSTDFadeDepthStatus	409
pnXRefAlarm	XREF 0:INVALID 1:NORMAL 2:ALARM This item is available for XPIC system.	alarmTrapPnSTDXRefAlarm	318
pnLinearizerFail	Linearizer / MODEM Linearizer 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLinearizerFail	385
pnRouteId	Frame ID 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDRouteID	386
pnEarlyWarning	Early Warning 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDEarlyWarning	387
pnAtpcPowerModeStatus	ATPC Power Mode 0:INVALID 1:ACTIVE 2:STOP	eventTrapPnSTDAtpcPowerMode Status	480

Object Name	Item	Trap Name	Trap Number
pnInputVoltageAlarm	Input Voltage 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDInputVoltage	388
pnModemTypeMismatch	Modem Type Mismatch 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDModemTypeMismatch	394

pnAsIntfcMainWorkGroup - pnAsIntfcMainWorkGroupTable

Object Name	Item	Trap Name	Trap Number
pnAsIntfcMainWorkPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnIntfcMAlarm	INTFC(1) Module 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDIntfcMAlarm	319
pnIntfcMUnequipped	INTFC(1) Unequipped 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDIntfcMUneq	320
pnInputLoss	<p>Input LOS CH xx (01-48) [Byte Description] Byte 0 CH01-CH08 Byte 1 CH09-CH16 Byte 2 CH17-CH24 Byte 3 CH25-CH32 Byte 4 CH33-CH40 Byte 5 CH41-CH48</p> <p>The data is received in 6 bytes. Shown below is an example of how to interpret this received data.</p> <p>ex.) Received data: 0x000000009000 Byte 1 90 When converted to a binary figure, the result is 10010000. Since 1 stands in position of bit 4 and bit 7, by looking up and applying the definition 'Byte 1 = CH09-CH16', alarm positions can be identified as CH13 and CH16.</p> <p>With PDH system, channels will be used starting CH01. With GbE over STM-1 (VLAN) interface, channels will be used starting CH01 by the name WS INPUT LOS. With E3 interface, CH47 is used as E3 CH01 and CH48 is used as E3 CH02.</p>	alarmTrapPnSTDInputLos	321
pnLosMUXWork	STM-1(1) LOS (MUX) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLosMUXWork	323

Object Name	Item	Trap Name	Trap Number
pnLosDMRWork	STM-1(1) LOS (DMR) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLosDMRWork	324
pnLofMUXWork	STM-1(1) LOF (MUX) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLoMUXWork	375
pnLofDMRWork	STM-1(1) LOF (DMR) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLoDMRWork	376
pnStm1OutContWork	STM-1(1) Output Control 0:INVALID 1:NORMAL 2:UNDER EXECUTION	eventTrapPnSTDSTM1OutContW ork	410
pnUsageError	Usage Error CH xx (01-48) [Byte Description] Byte 0 CH01-CH08 Byte 1 CH09-CH16 Byte 2 CH17-CH24 Byte 3 CH25-CH32 Byte 4 CH33-CH40 Byte 5 CH41-CH48 The data is received in 6 bytes. Shown below is an example of how to interpret this received data. ex.) Received data: 0x000000009000 Byte 1 90 When converted to a binary figure, the result is 10010000. Since 1 stands in position of bit 4 and bit 7, by looking up and applying the definition 'Byte 1 = CH09-CH16', alarm positions can be identified as CH13 and CH16. With E3 interface, CH47 is used as E3 CH01 and CH48 is used as E3 CH02. (0:NORMAL, 1:Alarm)	alarmTrapPnSTDUsageError	325
pnAisGeneratedCH	AIS Generated CH xx (01-48) [Byte Description] Byte 0 CH01-CH08 Byte 1 CH09-CH16 Byte 2 CH17-CH24 Byte 3 CH25-CH32 Byte 4 CH33-CH40 Byte 5 CH41-CH48 The data is received in 6 bytes. Shown below is an example of how to interpret this received data. ex.) Received data: 0x000000009000 Byte 1 90 When converted to a binary figure,	eventTrapPnSTDAisGeneratedCH	411

Object Name	Item	Trap Name	Trap Number
	<p>the result is 10010000. Since 1 stands in position of bit 4 and bit 7, by looking up and applying the definition 'Byte 1 = CH09-CH16', 'GENERATED' positions can be identified as CH13 and CH16.</p> <p>With PDH system, channels will be used starting CH01. With GbE over STM-1 (VLAN) interface, channels will be used starting CH01 by the name WS AIS GENERATED. With E3 interface, CH47 is used as E3 CH01 and CH48 is used as E3 CH02. (0:NORMAL, 1:GENERATED)</p>		
pnAisReceivedCH	<p>AIS Received CH xx (01-48) [Byte Description] Byte 0 CH01-CH08 Byte 1 CH09-CH16 Byte 2 CH17-CH24 Byte 3 CH25-CH32 Byte 4 CH33-CH40 Byte 5 CH41-CH48</p> <p>The data is received in 6 bytes. Shown below is an example of how to interpret this received data.</p> <p>ex.) Received data: 0x000000009000 Byte 1 90 When converted to a binary figure, the result is 10010000. Since 1 stands in position of bit 4 and bit 7, by looking up and applying the definition 'Byte 1 = CH09-CH16', 'RECEIVED' positions can be identified as CH13 and CH16.</p> <p>With PDH system, channels will be used starting CH01. With GbE over STM-1 (VLAN) interface, channels will be used starting CH01 by the name WS AIS RECEIVED. With E3 interface, CH47 is used as E3 CH01 and CH48 is used as E3 CH02. (0:NORMAL, 1:RECEIVED)</p>	eventTrapPnSTDAisReceivedCH	412
pnEBERMUXWork	<p>STM-1(1) E-BER(MUX) 0:INVALID 1:NORMAL 2:ALARM</p>	alarmTrapPnSTDEBERMUXWork	328
pnEBERDMRWork	<p>STM-1(1) E-BER(DMR) 0:INVALID 1:NORMAL 2:ALARM</p>	alarmTrapPnSTDEBERDMRWork	329

Object Name	Item	Trap Name	Trap Number
pnSignalDegradeMUXWork	STM-1(1) SD(MUX) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDSDMUXWork	330
pnSignalDegradeDMRWork	STM-1(1) SD(DMR) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDSDDMRWork	331
pnInPhaseWork	INTFC(1) INPHASE 0:INVALID 1: OUTPHASE 2: INPHASE	eventTrapPnSTDInphaseWork	415
pnStm1TFWorkAlarm	STM-1(1) TF 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDStm1TFWorkAlarm	380
pnIntfcMTypeMismatch	INTFC(1) Type Mismatch 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDIntfcMTypeMismatch	389
pnGbELink	GbE LAN Link Port 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDGbELink	393
pnGbELinkLossForwarding	GbE Link Loss Forwarding Port 0:Invalid 1:Normal 2:Under Execution	eventTrapPnSTDGbELinkLossForward	488
pnGbESpeedDuplex	GbE Speed & Duplex Bit 0 MASTER/SLAVE 0:SLAVE 1:MASTER Bit 1 FULL DUPLEX 0:HALF 1:FULL Bit 2 FORCED SETTING MODE 0:AUTONEGO 1:FORCED Bit 3 MDIX 0:MDI 1:MDIX Bit 4, 5 SPEED 00:10M 01:100M 10:1000M 11:1000M-INI *)Bit 0 / Bit 2 / Bit 3 is used when GbE MEDIA TYPE is not SFP. *)Bit 1 = FULL DUPLEX is fixed to FULL when GbE MEDIA TYPE is SFP.	eventTrapPnSTDGbESpeedDuplex	489
pnStackConnection	Stack Connection 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDStackConnection	396

Object Name	Item	Trap Name	Trap Number
pnGbECollision	GbE LAN Collision Port 0:INVALID 1:NORMAL 2:COLLISION	eventTrapPnSTDGbELanCollision	491

pnAs IntfcMainWorkGroup - pnLanStatusTable

Object Name	Item	Trap Name	Trap Number
pnLanstatusPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnLanStatusIndex	(used as index of this table,1-4) Index Port x 1:PORT1 2:PORT2 3:PORT3 4:PORT4	-----	-----
pnLink	LAN Link PORT x (x:1-4) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLink	326
pnCollision	LAN Collision PORT x (x:1-4) 0:INVALID 1:NORMAL 2:COLLISION	eventTrapPnSTDLanCollision	476
pnLinkLossForwarding	Link Loss Forwarding PORT x (x:1-4) 0:INVALID 1:NORMAL 2:UNDER EXECUTION	eventTrapPnSTDLinkLossForward	413
pnSpeedDuplex	Speed & Duplex PORT x (x:1-4) 0:INVALID 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)	eventTrapPnSTDSpeedDuplex	414

pnAsIntfcSubProtGroup - pnAsIntfcSubProtTable

Object Name	Item	Trap Name	Trap Number
pnAsIntfcSubProtPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnIntfcSAlarm	INTFC(2) Module 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDIntfcSAlarm	332
pnIntfcSUnequipped	INTFC(2) Unequipped 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDIntfcSUneq	333
pnLosMUXProt	STM-1(2) LOS (MUX) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLosMUXProt	334
pnLosDMRProt	STM-1(2) LOS (DMR) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLosDMRProt	377
pnEBERMUXProt	STM-1(2) E-BER(MUX) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDEBERMUXProt	335
pnEBERDMRProt	STM-1(2) E-BER(DMR) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDEBERDMRProt	336
pnSignalDegradeMUXProt	STM-1(2) SD(MUX) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDSDMUXProt	337
pnSignalDegradeDMRProt	STM-1(2) SD(DMR) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDSDDMRProt	338
pnStm1OutContProt	STM-1(2) Output Control 0:INVALID 1:NORMAL 2:UNDER EXECUTION	eventTrapPnSTDSTM1OutContProt	416
pnInPhaseProt	INTFC(2) INPHASE 0:INVALID 1:OUTPHASE 2:INPHASE	eventTrapPnSTDInphaseProt	417
pnWsLos	WS Input LOS 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDWSLos	339
pnWsAisReceived	WS AIS Received 0:INVALID 1:NORMAL 2:RECEIVED	eventTrapPnSTDWSAisReceivedCH	419
pnWsAisGenerated	WS AIS Generated 0:INVALID 1:NORMAL 2:GENERATED	eventTrapPnSTDWSAisGeneratedCH	418

Object Name	Item	Trap Name	Trap Number
pnLofMUXProt	STM-1(2) LOF(MUX) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLoFMUXProt	378
pnLofDMRProt	STM-1(2) LOF(DMR) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDLoFDMRProt	379
pnStm1TFProtAlarm	STM-1(2) TF 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDStm1TFProtAlarm	381
pnIntfcSTypeMismatch	INTFC(2) Type Mismatch 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDIntfcSTypeMismatch	390

pnAsIntfcSubProtGroup - pnScLanStatusTable

Object Name	Item	Trap Name	Trap Number
pnScLanStatusPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnScLanStatusIndex	(used as index of this table, 1-2) Index Port x 1:PORT1 2:PORT2	-----	-----
pnScLanLink	INTFC(2) LAN Link PORT x (x:1-2) 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDSClanLink	340
pnScLanCollision	INTFC(2) LAN Collision PORT x (x:1-2) 0:INVALID 1:NORMAL 2:COLLISION	eventTrapPnSTDSClanCollision	477
pnScLanLinkLossForwarding	INTFC(2) Link Loss Forwarding PORT x (x:1-2) 0:INVALID 1:NORMAL 2:UNDER EXECUTION	eventTrapPnSTDSClanLinkLossForward	405
pnScLanSpeedDuplex	INTFC(2) Speed & Duplex Port x (x:1-2) 0:INVALID 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)	eventTrapPnSTDSClanSpeedDuplex	435

pnAsCtrlGroup

Object Name	Item	Trap Name	Trap Number
pnAsCtrlGroupPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnCtrlAlarm	CTRL Module 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDCTRLAlarm	342
pnMultiMediaCardMount	MMC Mount 0:INVALID 1:OFF 2:ON (Mounted)	eventTrapPnSTDMMCMount	482
pnApsSWFail	APS SW Fail 0:INVALID 1:NORMAL 2:ALARM *)This item is available for APS.	alarmTrapPnSTDAPSSWFail	344
pnSvLineAlarm	SV Line This item is not used. 0:INVALID 1:NORMAL 2:ALARM	-----	-----
pnApsStatus	APS Online Status 0:INVALID 1:WORKING 2:PROTECTION *)This item is available for APS.	eventTrapPnSTDAPSStatus	478
pnApsLockinStatus	APS Lock In Status 0:INVALID 1:NORMAL 2:LOCK IN *)This item is available for APS.	eventTrapPnSTDAPSLockinStatus	483
pnXCtrlAlarm	XCTRL 0:INVALID 1:NORMAL 2:ALARM This item is available for XPIC system.	alarmTrapPnSTDXControlAlarm	392
pnXpicModeMismatch	XPIC Mode Mismatch 0:INVALID 1:NORMAL 2:ALARM This item is available for XPIC system.	alarmTrapPnSTDXpicModeMismatch	391

pnAsTcnGroup - pnTcn15minCurrentTotalTable

Object Name	Item	Trap Name	Trap Number
pnTcn15minCurrentTotalPasolndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnTcn15minCurrentTotalWPIndex	(used as index of this table, 1-4) 1:WORKING (MUX) 2:PROTECTION (MUX) 3: WORKING (DMR) / DIR-A 4: PROTECTION (DMR) / DIR-B *)DIR-A/DIR-B is available for 2-WAY. *)Protection is available for APS.	-----	-----
pnTcn15minCurrentTotalOFS	TCN-OFS-15min TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn15minTotalOFS	346
pnTcn15minCurrentTotalUAS	TCN-UAS-15min TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn15minTotalUAS	347
pnTcn15minCurrentTotalES	TCN-ES-15min TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn15minTotalES	348
pnTcn15minCurrentTotalSES	TCN-SES-15min TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn15minTotalSES	349
pnTcn15minCurrentTotalBBE	TCN-BBE-15min TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn15minTotalBBE	350
pnTcn15minCurrentTotalSEP	TCN-SEP-15min TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn15minTotalSEP	351

pnAsTcnGroup - pnTcn15minCurrentCHTable

This table is not used. So Explanation is omitted.

pnAsTcnGroup - pnTcn1dayCurrentTotalTable

Object Name	Item	Trap Name	Trap Number
pnTcn1dayCurrentTotalPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnTcn1dayCurrentTotalWPIndex	(used as index of this table, 1-4) 1:WORKING (MUX) 2:PROTECTION (MUX) 3: WORKING (DMR) / DIR-A 4: PROTECTION (DMR) / DIR-B *)DIR-A/DIR-B is available for 2-WAY. *)Protection is available for APS.	-----	-----
pnTcn1dayCurrentTotalOFS	TCN-OFS-1day TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn1dayTotalOFS	358
pnTcn1dayCurrentTotalUAS	TCN-UAS-1day TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn1dayTotalUAS	359
pnTcn1dayCurrentTotalES	TCN-ES-1day TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn1dayTotalES	360
pnTcn1dayCurrentTotalSES	TCN-SES-1day TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn1dayTotalSES	361
pnTcn1dayCurrentTotalBBE	TCN-BBE-1day TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn1dayTotalBBE	362
pnTcn1dayCurrentTotalSEP	TCN-SEP-1day TOTAL 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCn1dayTotalSEP	363

pnAsTcnGroup - pnTcn1dayCurrentCHTable

This table is not used. So Explanation is omitted.

pnAsTcnGroup - pnTcnCurrentUAETable

Object Name	Item	Trap Name	Trap Number
pnTcnCurrentUAEPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnTcnUAEDMRWork	Unavailable Event (DMR) TOTAL This shows the value of DIR-A side for PDH. This shows the value of INTFC(1) for STM-1 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCnUAEDMRWork	370
pnTcnUAEDMRProt	Unavailable Event (DMR) TOTAL This shows the value of DIR-B side for PDH. This shows the value of INTFC(2) for STM-1 0:INVALID 1:NORMAL 2:ALARM)This item is available for APS.	alarmTrapPnSTDTCnUAEDMRProt	371
pnTcnUAEMUXWork	STM-1(1) UAE(MUX) This item is available for STM-1 interface. 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCnUAEMUXWork	382
pnTcnUAEMUXProt	STM-1(2) UAE(MUX) This item is available for STM-1 interface. 0:INVALID 1:NORMAL 2:ALARM)This item is available for APS.	alarmTrapPnSTDTCnUAEMUXProt	383

pnAsTcnGroup - pnTcnTCSTable

Object Name	Item	Trap Name	Trap Number
pnTcnTCSPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnTcnTCSSysIndex	(used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-B is available for 2-WAY system.	-----	-----
pnTcnTCS15minRxLev	TCN-RX LEV-15min 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCnTCS15minRxLev	372
pnTcnTCS1dayRxLev	TCN-RX LEV-1day 0:INVALID 1:NORMAL 2:ALARM	alarmTrapPnSTDTCnTCS1dayRxLev	373

pnAsAuxIOGroup - pnAuxInputStatusTable

Object Name	Item	Trap Name	Trap Number
pnAuxInputStatusPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnAuxInputStatusIndex	(used as index of this table, 1-6) 1:INPUT-1 2:INPUT-2 3:INPUT-3 4:INPUT-4 5:INPUT-5 6:INPUT-6	-----	-----
pnAuxInputStatusValue	AUX INPUT STATUS 0:INVALID 1:OPEN STATE 2:CLOSE STATE	statusTrapPnSTDAuxInput	501

pnAsAuxIOGroup - pnAuxOutputStatusTable

Object Name	Item	Trap Name	Trap Number
pnAuxOutputStatusPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnAuxOutputStatusIndex	(used as index of this table, 1-4) 1:OUTPUT-1 2:OUTPUT-2 3:OUTPUT-3 4:OUTPUT-4	-----	-----
pnAuxOutputStatusValue	AUX OUTPUT STATUS 0:INVALID 1:OPEN STATE 2:CLOSE STATE	eventTrapPnSTDAuxOutput	481

pnAsAuxIOGroup - pnAuxClusterAlarmTable

This table is not used. So Explanation is omitted.

2.2.4 pnEquipmentSetUpGroup

The object ID's in this group defines equipment configuration information of the NE such as TX/RX frequency, redundancy configuration, main interface type and Frame ID.

pnEsCommonTable

Object Name	Item	Trap Name	Trap Number
pnEsCommonPasoIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnEsSystemArchitecture	User Interface 0:INVALID 1:PDH E1 2:PDH E1 with LAN 3:4PORT LAN with E1 4:PDH E3 5:PDH E3 with LAN 6:SDH STM-1 7:2PORT LAN over STM-1 8:GbE over STM-1 10:PDH E1 with LAN 156MB	----	----
pnEsRedundancy	Redundancy setting 0:INVALID 1:1+0(TERM) 2:1+1(HOT STANDBY TERM) 3:1+1(TWINPATH TERM) 4:2-WAY PDH(STAR) -- Not Used 5:2-WAY PDH(TREE) -- Not Used 6:2-WAY PDH(REP) -- Not Used 7:2-WAY PDH(RING) -- Not Used 8:2-WAY PDH *)2-WAY is available, when System Architecture is PDH	----	----
pnEsXPICTypeSelect	XPIC Usage 0:INVALID 1:NOT USED 2:USED(MAIN MASTER) 3:USED(SUB MASTER) *)This item is used for XPIC system.	----	----
pnEsAPSPFunction	APS Function 0:INVALID 1:UNAVAILABLE 2:AVAILABLE *) This value is fixed to 2 when INTFC(2) is OPT INTFC.	----	----
pnEsIntfcMainWorkSelect	Main(Work) 0:BLANK 1:16xE1 BASIC PKG 2:16xE1 STANDARD PKG(E/W LAN) 3:32xE1 PKG(E/W LAN) 4:48xE1 PKG 5:4PORT LAN WITH E1 6:STM-1(OPTICAL) 7:STM-1(ELECTRICAL) 8:2PORT LAN OVER STM-1 9:GbE OVER STM-1 10:E3 PKG(E/W LAN) 11:16E1 2-WAY/XC PKG(E/W LAN) 13:GbE(10/100/1000B) OVER STM-1 15:4PORT LAN WITH E1(VLAN) 16:GbE OVER STM-1(VLAN)	----	----

Object Name	Item	Trap Name	Trap Number
pnEsIntfcSubProtSelect	SUB(PROT) 0:INVALID 1:NOT USED 2:STM-1(OPTICAL) 3:WS/LAN 4:WS *) This value is fixed to 0 when System Architecture is PDH.	----	----
pnEsModulationScheme	Modulation Scheme 0:INVALID 1:QPSK 2:16QAM 3:32QAM 4:64QAM 5:128QAM 6:256QAM -- Not Used *)This item is for DIR-A when Redundancy is 2-WAY.	----	----
pnEsTransmissionCapacity	Transmission Capacity 0:INVALID 1:5MB -- Not Used 2:10MB 3:20MB 4:40MB 5:80MB 6:100MB 7:156MB(STM-1/2P LAN) 8:311MB(2xSTM-1) -- Not Used *)This item is for DIR-A when Redundancy is 2-WAY.	----	----
pnEsLANPortUsage	LAN Port Usage 0:INVALID 1:NOT USED 2:P1-2 SHARED/1PORT ONLY(MAIN) 3:P1-2 SEPARATED(MAIN) 4:P1-2 SHARED/1PORT ONLY(SC) 5:P1-2 SEPARATED(SC) 6:P1-4 SHARED(MAIN) 7:P1-2 SHARED/P3-4 SHARED(MAIN) 8:P1-4 SEPARATED(MAIN) 9:P1-4 SHARED(SC) 10:P1-2 SHARED/P3-4 SHARED(SC) 11:P1=75MB/P2=75MB 12:P1=100MB/P2=50MB 13:BEST EFFORT 14:P1=100MB/P2=NOT USED 15:P1-2 SHARED/1PORT ONLY(WS) 16:P1-2 SEPARATED(WS)-- Not Used 20:P1=75MB/P2=75MB+WS LAN 21:P1=100MB/P2=50MB+WS LAN 22:BEST EFFORT+WS LAN 23:P1=100MB/P2=NOT USED+WS LAN 24:P1=75MB/P2=75MB+SC LAN 25:P1=100MB/P2=50MB+SC LAN 26:BEST EFFORT+SC LAN 27:P1=100MB/P2=NOT USED+SC LAN 30:GbE Only 31:GbE+WS LAN 32:GbE+SC LAN	----	----

Object Name	Item	Trap Name	Trap Number
	40:STM-1+WS LAN 41:STM-1+SC LAN 50:P1-2 SHARED/1PORT ONLY(DIR-A M) 51:P1-2 SHARED/1PORT ONLY(DIR-A SC) 52:P1-2 SHARED/1PORT ONLY(DIR-B M) 53:P1-2 SHARED/1PORT ONLY(DIR-B SC) 54:P1-2 STAR (DIR-A M, DIR-B M) 55:P1-2 STAR (DIR-A SC, DIR-B SC) 56:P1-2 STAR (DIR-A M, DIR-B SC) 57:P1-2 STAR (DIR-A SC, DIR-B M) 58:P1-2 MIXED (DIR-A M, DIR-B M) 59:P1-2 MIXED (DIR-A M, DIR-B SC) 60:P1-2 MIXED (DIR-A SC, DIR-B M) 61:P1-2 MIXED (DIR-A SC, DIR-B SC) 70:P1-4 VLAN 80:GbE PORT SHARED 81:GbE STACK MASTER(PORT SHARED) 82:GbE STACK SLAVE 90:P1=100MB/P2=56MB *) The values from 1 to 9 and 15 and 50 to 61 and 70 are only for PDH. The values from 11 to 14 and 20 to 41 and 80 to 82 are only for SDH. This value is fixed to 0 when LAN interface is not used. This values from 80 to 82 are when choosing stack mode, it's included.		
pnEsTxSWType	TX SW Type 0:INVALID 1:MUTE 2:RF SW TYPE--Not used *) This value is fixed to 0 when Redundancy is 1+0 or 2-WAY.	-----	-----
pnEsModulationSchemeDirB	Modulation Scheme(DIR-B) 0:INVALID 1:QPSK 2:16QAM 3:32QAM 4:64QAM 5:128QAM 6:256QAM -- Not Used *)This item is for 2-WAY. This Value is fixed to 0 when Redundancy isn't 2-WAY.	-----	-----

Object Name	Item	Trap Name	Trap Number
pnEsTransmissionCapacityDirB	Transmission Capacity(DIR-B) 0:INVALID 1:5MB -- Not Used 2:10MB 3:20MB 4:40MB 5:80MB 6:100MB 7:156MB(STM-1/2P LAN) 8:311MB(2xSTM-1) -- Not Used *) This item is for 2-WAY. This item is for DIR-A when Redundancy is 2-WAY.	----	----
pnEsLan2mCapacityDirA	LAN & 2M CAPACITY[0 - 100 Mbps] *)This Value shows for DIR-A when Redundancy is 2-WAY. *)This Value is fixed 0 when Main CH isn't used by LAN.	----	----
pnEsLanScAssignmentDirA	LAN & SC Assignment 0:INVALID 1:64kbps 2:128kbps 3:256kbps 4:64Kbps(E1<DMR>) 5:64Kbps(F1<DMR>) 6:192Kbps(DCCr<DMR>) 7:64Kbps(E1<MUX>) 8:64Kbps(F1<MUX>) 9:192Kbps(DCCr<MUX>) 10:2Mbps (WS) *)This Value shows for DIR-A when Redundancy is 2-WAY. *)This Value is fixed to 0 when SC isn't used by LAN.	----	----
pnEsLan2mCapacityDirB	LAN & 2M CAPACITY[0 - 100 Mbps] for DIR-B *)This Value shows for DIR-B when Redundancy is 2-WAY. *)This Value is fixed to 0 when Redundancy isn't 2-WAY or SC isn't used by LAN.	----	----
pnEsLanScAssignmentDirB	LAN & SC Assignment for DIR-B 0:INVALID 1:64kbps 2:128kbps 3:256kbps 4:64Kbps(E1<DMR>) 5:64Kbps(F1<DMR>) 6:192Kbps(DCCr<DMR>) 7:64Kbps(E1<MUX>) 8:64Kbps(F1<MUX>) 9:192Kbps(DCCr<MUX>) 10:2Mbps (WS) *)This Value shows for DIR-B when Redundancy is 2-WAY. *)This Value is fixed to 0 when Redundancy isn't 2-WAY or SC isn't used by LAN.	----	----
pnEsDiNumber	This item is not used.	----	----

pnEsSysTable

Object Name	Item	Trap Name	Trap Number
pnEsSysPasolIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnEsSysIndex	Equipment Setup Sys index (used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system.	----	----
pnEsSysTxFreq	TX RF Frequency [MHz] *)No.2 is available when Redundancy is 1+1(HS) or 1+1(TP). *)DIR-A/DIR-B is available when Redundancy is 2-WAY.	----	----
pnEsSysRxFreq	RX RF Frequency [MHz] *)No.2 is available when Redundancy is 1+1(HS) or 1+1(TP). *)DIR-A/DIR-B is available when Redundancy is 2-WAY.	----	----
pnEsSysTxPowerCont	TX Power Control 1:MTPC 2:ATPC *)No.2 is not used(fixed to 0). *)DIR-A/DIR-B is available when Redundancy is 2-WAY.	----	----
pnEsSysFrameID	Frame ID *)No.2 is unavailable when Redundancy is 1+0 or 1+1(HS). *)No.2 is fixed to 0 when Redundancy is 1+0 or 1+1(HS). *)DIR-A and DIR-B is available when Redundancy is 2-WAY.	----	----

2.2.5 pnProvisioningGroup

The object ID's in this group defines provisioning information of the NE such as BER threshold value, performance monitor threshold value, SC assignment setting and sub interface setting

pnProvCHTable

Object Name	Item	Trap Name	Trap Number
pnProvCHPasolIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnChUsage	CH Usage (CHxx) xx=01-48 0:INVALID 1:NOT USED 2:USED 3:USED(LAN) This is a octet string consist of each value. Byte position is as follows. Byte 0 = CH01 Byte 1 = CH02 Byte46 = CH47 for E1 E3 CH01 for E3 Byte47 = CH47 for E1 E3 CH02 for E3 *)This item is available for PDH.	eventTrapPnSTDCHUsage	420
pnChCondition	CH Condition This is a octet string consist of each value. Byte position is as follows. Byte 0 CH USAGE ERROR REPORT 0:Invalid, 1:Not Report, 2:Report Byte 1 AIS ACTIVATION CONDITION 0:Invalid, 1:LOF+HIGH BER, 2:LOF Byte 2 AIS ACTIVATION DELAY -- Not used 0:Invalid, 1:Off, 2:On Byte 3 AIS GENERATED REPORT 0:Invalid, 1:Not Report, 2:Report Byte 4 AIS RECEIVED REPORT 0:Invalid, 1:Not Report, 2:Report Byte5 AIS RECEIVED CONDITION 0:Invalid, 1:Alarm, 2:Status *)This item is available for PDH.	eventTrapPnSTDCHCondition	421
pnChImpedance	CH Impedance 0:INVALID 1:120[ohm] 2:75[ohm] This is a octet string consist of each value. Byte position is as follows. Byte 0 IMPEDANCE(CH01) Byte 1 IMPEDANCE(CH02) Byte 2 IMPEDANCE(CH03) Byte 3 IMPEDANCE(CH04) Byte 4 IMPEDANCE(CH05-08)	eventTrapPnSTDCHImpedance	422

Object Name	Item	Trap Name	Trap Number
	Byte 5 IMPEDANCE(CH09-16) Byte 6 IMPEDANCE(CH17-24) Byte 7 IMPEDANCE(CH25-32) Byte 8 IMPEDANCE(CH33-40) Byte 9 IMPEDANCE(CH41-48) *)This item is available for PDH.		
pnMsAisGeneration	MS-AIS Generation 0:INVALID 1:DISABLED 2:ENABLED *)This item is available for SDH.	eventTrapPnSTDMSAisGeneration	423

pnProvDXCTable

Object Name	Item	Trap Name	Trap Number
pnProvDXCPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnDxcFunction	DXC Function 0:INVALID 1:DISABLED 2:ENABLED	eventTrapPnSTDDxcFunction	424
pnDxcCHSetting	DXC CH Setting Byte 0 CH01 ... Byte 47 CH48 Byte 52 DIR-A CH01 Setting ... Byte 99 DIR-A CH48 Setting Byte 104 DIR-B CH01 Setting ... Byte 151 DIR-B CH48 Setting Bit 0-5 000000=Invalid 000001=CH1 ... 110000=CH48 Bit 6-7 00=LINE 01=DIR-A 10=DIR-B 11=LAN	eventTrapPnSTDDxcCHSetting	425
pnDxcAssign	This item is not used.	eventTrapPnSTDDxcAssign	426

pnProvBERThresholdTable

Object Name	Item	Trap Name	Trap Number
pnProvBERThresholdPasolIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnProvBERThreshold	<p>BER Threshold Setting This is a octet string consist of each value. Byte position is as follows.</p> <p>Byte 0 HIGH BER THRESHOLD/ HIGH BER THRESHOLD(DIR-A) 0:INVALID 1:1E-3 2:1E-4 3:1E-5</p> <p>Byte 1 HIGH BER THRESHOLD(DIR-B) 0:INVALID 1:1E-3 2:1E-4 3:1E-5</p> <p>Byte 2 LOW BER THRESHOLD/ LOW BER THRESHOLD(DIR-A) 0:INVALID 1:1E-6 2:1E-7 3:1E-8 4:1E-9</p> <p>Byte 3 LOW BER THRESHOLD(DIR-B) 0:INVALID 1:1E-6 2:1E-7 3:1E-8 4:1E-9</p> <p>Byte 4 E-BER(DMR) for SDH 0:INVALID 1:1E-3 2:1E-4 3:1E-5</p> <p>Byte 5 SD(DMR) for SDH 0:INVALID 1:1E-6 2:1E-7 3:1E-8 4:1E-9</p> <p>Byte 6 E-BER(MUX) for SDH 0:INVALID 1:1E-3 2:1E-4 3:1E-5</p> <p>Byte 7 SD(MUX) for SDH 0:INVALID 1:1E-6 2:1E-7 3:1E-8 4:1E-9</p> <p>*)DIR-A/B is used for 2-WAY.</p>	eventTrapPnSTDBERThreshold	427

pnProvSubIntfcTable

Object Name	Item	Trap Name	Trap Number
pnProvSubIntfcPasolIndex	PASOLINK NE IP address (used as index of this table)	----	-----
pnProvSubIntfc	<p>SUB INTFC Setting (In case of SDH system) or WAYSIDE SETTING (In case of GbE over STM-1(VLAN) interface) This is a octet string consist of each value. Byte position is as follows.</p> <p>Byte 0 SUB INTFC or WS CH1 0:INVALID 1:NOT USED 2:E1 WAYSIDE+SC LAN(SC) -- Not used 3:E1 WAYSIDE (In case of SUB INTFC) or USED (In case of WS CH1) 4:SC LAN(WAYSIDE) -- Not used 5:SC LAN(SC) -- Not used</p> <p>Byte 1 WS Impedance</p> <p>Byte 2 WS AIS Generated Report</p> <p>Byte 3 WS AIS Reveived Report</p>	eventTrapPnSTDSubIntfc	428

pnProvSCAssignmentTable

Object Name	Item	Trap Name	Trap Number
pnProvSCAssignmentPasolIndex	PASOLINK NE IP address (used as index of this table)	----	-----
pnProvSCAssign	<p>SC Assignment This is a octet string consist of each value. Byte position is as follows.</p> <p>Byte 0 RS-232C-1 0:INVALID 1:NOT USED 2:SC1 3:SC2 4:SC3 5:SC4 16:E1(MUX) 17:F1(MUX) 19:E1(DMR) 20:F1(DMR))</p> <p>Byte 1 RS-232C-2 0:INVALID 1:NOT USED 2:SC1 3:SC2 4:SC3 5:SC4 16:E1(MUX) 17:F1(MUX) 19:E1(DMR)</p>	eventTrapPnSTDSCAssign	429

Object Name	Item	Trap Name	Trap Number
	20:F1(DMR) Byte 2 V11-1 0:INVALID 1:NOT USED 2:SC1 3:SC2 4:SC3 5:SC4 16:E1(MUX) 17:F1(MUX) 18:DCCr(MUX) 19:E1(DMR) 20:F1(DMR) 21:DCCr(DMR) Byte 3 V11-2 0:INVALID 1:NOT USED 2:SC1 3:SC2 4:SC3 5:SC4 16:E1(MUX) 17:F1(MUX) 18:DCCr(MUX) 19:E1(DMR) 20:F1(DMR) 21:DCCr(DMR) Byte 4 SC LAN1 0:INVALID 1:NOT USED 2:SC1 10:SC1-2 14:SC1-4 16:E1(MUX) 17:F1(MUX) 18:DCCr(MUX) 19:E1(DMR) 20:F1(DMR) 21:DCCr(DMR) Byte 5 SC LAN2 0:INVALID 1:NOT USED 6:SC1 11:SC1-2 15:SC1-4 16:E1(MUX) 17:F1(MUX) 18:DCCr(MUX) 19:E1(DMR) 20:F1(DMR) 21:DCCr(DMR) Byte 6 V11-1 DIRECTION SETTING 0:INVALID 1:CO-DIRECTIONAL 2:CONTRA-DIRECTIONAL Byte 7 V11-2 DIRECTION SETTING 0:INVALID 1:CO-DIRECTIONAL 2:CONTRA-DIRECTIONAL		

pnProvLANPortSetTable

Object Name	Item	Trap Name	Trap Number
pnProvLANPortSetPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnProvLANPortSet	<p>LAN Port Setting This is a octet string consist of each value. Byte position is as follows.</p> <p>Byte 0 SWITCHING FUNCTION 0:INVALID 1:DISABLED 2:ENABLED</p> <p>Byte 1 SPEED & DUPLEX PORT1</p> <p>Byte 2 SPEED & DUPLEX PORT2</p> <p>Byte 3 SPEED & DUPLEX PORT3</p> <p>Byte 4 SPEED & DUPLEX PORT4</p> <p>Byte 5 INTFC(2) SPEED & DUPLEX PORT1</p> <p>Byte 6 INTFC(2) SPEED & DUPLEX PORT2 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)</p> <p>Byte 7 FLOW CONTROL PORT1</p> <p>Byte 8 FLOW CONTROL PORT2</p> <p>Byte 9 FLOW CONTROL PORT3</p> <p>Byte 10 FLOW CONTROL PORT4</p> <p>Byte 11 INTFC(2) FLOW CONTROL PORT1</p> <p>Byte 12 INTFC(2) FLOW CONTROL PORT2 0:INVALID 1:OFF 2:ON</p> <p>Byte 13 COLLISION REPORT PORT1</p> <p>Byte 14 COLLISION REPORT PORT2</p> <p>Byte 15 COLLISION REPORT PORT3</p> <p>Byte 16 COLLISION REPORT PORT4</p> <p>Byte 17 INTFC(2) COLLISION REPORT PORT1</p>	eventTrapPnSTDLanPortSetting	430

Object Name	Item	Trap Name	Trap Number
	Byte 18 INTFC(2) COLLISION REPORT PORT2 0:INVALID 1:DISABLED (No Report) 2:ENABLED (Report) Byte 19 LINK LOSS FORWARDING PORT1 Byte 20 LINK LOSS FORWARDING PORT2 Byte 21 LINK LOSS FORWARDING PORT3 Byte 22 LINK LOSS FORWARDING PORT4 Byte 23 INTFC(2) LINK LOSS FWD PORT1 Byte 24 INTFC(2) LINK LOSS FWD PORT2 0:INVALID 1:DISABLED 2:ENABLED Byte 25 LOCK SOURCE SETTING 0:INVALID 1:INTERNAL CLOCK 2:DMR -> INTERNAL CLOCK *)This item is used for SDH. Byte 26 2M FRAMING PORT1 Byte 27 2M FRAMING PORT2 Byte 28 2M FRAMING PORT3 Byte 29 2M FRAMING PORT4 0:INVALID 1:UNFRAMED 2:PCM31C(FAS+CRC) 3:PCM31(FAS) 4:PCM30C(MFAS+CRC) 5:PCM30(MFAS) Byte 30 LAN PORT1 USAGE Byte 31 LAN PORT2 USAGE Byte 32 LAN PORT3 USAGE Byte 33 LAN PORT4 USAGE Byte 34 INTFC(2) LAN PORT1 USAGE Byte 35 INTFC(2) LAN PORT2 USAGE 0:INVALID 1:NOT USED 2:USED Byte 36		

Object Name	Item	Trap Name	Trap Number
	SUB SWITCHING FUNCTION 0:INVALID 1:DISABLED 2:ENABLED Byte 37 GbE MEDIA TYPE 0:INVALID 1:SFP 2:RJ-45 Byte 38 GbE SPEED & DUPLEX 0:INVALID 1:RESERVE1 2:AUTONEG(AUTO 1000MB FULL DUPLEX) 3:AUTONEG(AUTO MDI/MDIX) 4:RESERVE4 5:RESERVE5 6:100MB-FULL(MDI) 7:100MB-FULL(MDIX) 8:100MB-HALF(MDI) 9:100MB-HALF(MDIX) 10:10MB-FULL(MDI) 11:10MB-FULL(MDIX) 12:10MB-HALF(MDI) 13:10MB-HALF(MDIX) Byte 39 GbE LINK LOSS FORWARDING 0:INVALID 1:DISABLED 2:ENABLED Byte 40 GbE FLOW CONTROL 0:INVALID 1:OFF 2:ON *)LAN PORT SETTING is used in LAN PORT SETTING except for VLAN.		

pnProvALSTable

Object Name	Item	Trap Name	Trap Number
pnProvALSPasoIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnAlsFunc	ALS Function This is a octet string consist of each value. Byte position is as follows. Byte 0 ALS FUNCTION 0:INVALID 1:DISABLED 2:ENABLED Byte 1 ALS INTERVAL 0:INVALID 1:60sec 2:180sec 3:300sec *)This item is available for OPT INTFC.	eventTrapPnSTDAIsFunction	431

pnProvTxPowerContTable

Object Name	Item	Trap Name	Trap Number
pnProvTxPowerContPasolIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnProvTxPowerContIndex	PROV TX Power Cont index (used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system.	----	----
pnProvTxPowerContValue	TX Power Control This is a octet string consist of each value. Byte position is as follows. Byte 0 MTPC TX POWER (signed char) Byte 1 ATPC THRESHOLD LEVEL <integral number> (signed char) Byte 2 ATPC THRESHOLD LEVEL <a place of decimal> This value is fixed to 0. Byte 3 ADDITIONAL ATT 0 to 5 Byte 4 ATPC(MAX) signed char Byte 5 ATPC(MIN) signed char Byte 6 HYSTERESIS -- Not used This is fixed value. Byte 7 ATPC POWER MODE 0:INVALID 1:HOLD 2:MAX 3:MIN Byte 8 COMM ALARM MODE --No.2 is not used. 0:INVALID 1:HOLD 2:MUTE *)In case of Byte 0 – 5, the range of each value is difined in the mib of invTRUProvRangeInfoValue.	eventTrapPnSTDTPowerContValue	432

pnProvSWCondTable

Object Name	Item	Trap Name	Trap Number
pnProvSWCondPasolIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnProvSWCondTxRxSW	<p>TX/RX SW Condition This is a octet string consist of each value. Byte position is as follows. This item is available for 1+1 system.</p> <p>Byte 0 TX SW PRIORITY 0:INVALID(1+0 system) 1:NON PRIORITY 2:PRIORITY No.1</p> <p>Byte 1 RX SW PRIORITY 0:INVALID(1+0 system) 1:NON PRIORITY 2:PRIORITY No.1</p> <p>Byte 2 RX SW MAINTENANCE MODE 0:INVALID(1+0 system) 1:MANUAL 2:FORCED</p> <p>Byte 3 RX SW CONDITION-EARLY WARNING 0:INVALID(1+0 system) 1:INCLUDED EW 2:EXCLUDED EW</p> <p>Byte 4 RX SW CONDITION-XPIC RESET 0:INVALID (XPIC Function is unavailable) 1:INCLUDED CROSS RESET 2:EXCLUDED CROSS RESET</p>	eventTrapPnSTDSWCondTxRx	436
pnProvSWCondAPS	<p>APS Conditon This is a octet string consist of each value. Byte position is as follows. This item is available for APS.</p> <p>Byte 0 APS ALARM PRIORITY 0:INVALID 1:MANUAL 2:FORCED</p> <p>Byte 1 APS CONDITION-SF 0:INVALID 1:PRIORITY HIGH 2:PRIORITY LOW</p> <p>Byte 2 APS CONDITION-SD 0:INVALID 1:INCLUDED SD 2:EXCLUDED SD</p> <p>Byte 3 LOCK IN USAGE 0:INVALID 1:NOT USED 2:USED</p> <p>Byte 4 LOCK IN COUNT INT 0 to 255</p> <p>Byte 5 LOCK IN DETECT TIME INT 0 to 60</p> <p>Byte 6</p>	eventTrapPnSTDSWCondAPS	437

Object Name	Item	Trap Name	Trap Number
	LOCK IN HOLD TIME INT 0 to 48		
pnProvSWCondTxSWLockIn	<p>TX SW Lock In Conditon This is a octet string consist of each value. Byte position is as follows. This item is available for 1+1 system.</p> <p>Byte 0 TX SW LOCK IN USAGE 0:INVALID 1:USED 2:NOT USED</p> <p>Byte 1 --Not Used</p> <p>Byte 2 --Not Used</p> <p>Byte 3 TX SW DETECTION TIME --Not Used INT 0 to 60</p> <p>Byte 4 TX SW DETECTION COUNTER --Not Used INT 0 to 255</p> <p>Byte 5 AUTOMATIC CLEAR LOCK IN USAGE --Not Used 0:INVALID 1:USED 2:NOT USED</p> <p>Byte 6 CLEAR LOCK IN TIME --Not Used INT 0 to 48</p> <p>Byte 7 TX SW REVERSE FUNCTION 0:INVALID 1:NOT USED 2:USED</p>	eventTrapPnSTDxSWCondTxSWLockIn	1704
pnProvSWCondTxSWSensitivity	<p>TX SW Sensitivity Condition This item is available for 1+1 system.</p> <p>0:INVALID 1:NORMAL 2:HIG</p>	eventTrapPnSTDtxSWSensitivity	1706

pnProvRelayTable

Object Name	Item	Trap Name	Trap Number
pnProvRelayPasolIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnProvRelayConfigData	Relay setting bitmap This is a bitmap of Relay Configuration. *The bitmap is shown and described in the table below.	eventTrapPnSTDRelayConfigData	438
pnProvRelayClusterAssign	Cluster Input Assignment This is a octet string consist of each value. Byte position is as follows. Byte 0 CLUSTER1 INPUT Byte 1 CLUSTER2 INPUT Byte 2 CLUSTER3 INPUT Byte 3 CLUSTER4 INPUT 0:INVALID 1:DISABLED 2:ENABLED	eventTrapPnSTDRelayClusterAssign	439

Relay setting bitmap table

Byte Offset	Bit Position							
	bit 7 (MSB)	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0 (LSB)
0	0	0	0	0	0	0	0	MAINT (Remark2)
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	CPU ALARM (Remark1)	0	0	0	0	PS ALARM2 (Remark1)	PS ALARM1 (Remark1)	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	IDU ALARM	ODU ALARM2	ODU ALARM1
18	APC ALARM2	APC ALARM1	RX LEV ALARM2	RX LEV ALARM1	TX IN LEV ALARM2	TX IN LEV ALARM1	TX POWER ALARM2	TX POWER ALARM1
19	0	0	0	0	ODU CPU ALARM2	ODU CPU ALARM1	IF CABLE SHORT ALARM2	IF CABLE SHORT ALARM1
20	CH USAGE ERROR	CH AIS GENERATED	CH AIS RECEIVED	CH INPUT LOSS	DEM ALARM2	DEM ALARM1	MOD ALARM2	MOD ALARM1
21	LAN LINK ALARM	STM-1 RLOS	STM-1 SLOS	STM-1 TF ALARM	HIGH BER ALARM2	HIGH BER ALARM1	LOW BER ALARM2	LOW BER ALARM1
22	WS INPUT LOSS	SC LAN LINK ALARM	0	X CTRL ALARM	X REF ALARM2	X REF ALARM1	LOF2	LOF1
23	HK4 OUTPUT (Remark6)	0	0	0	ALARM4 (Remark6)	0	0	0
24	0	0	0	0	0	0	0	0
25	0	0	0	0	0	IDU ALARM	ODU ALARM2	ODU ALARM1
26	APC ALARM2	APC ALARM1	RX LEV ALARM2	RX LEV ALARM1	TX IN LEV ALARM2	TX IN LEV ALARM1	TX POWER ALARM2	TX POWER ALARM1
27	0	0	0	0	ODU CPU ALARM2	ODU CPU ALARM1	IF CABLE SHORT ALARM2	IF CABLE SHORT ALARM1
28	CH USAGE ERROR	CH AIS GENERATED	CH AIS RECEIVED	CH INPUT LOSS	DEM ALARM2	DEM ALARM1	MOD ALARM2	MOD ALARM1
29	LAN LINK ALARM	STM-1 RLOS	STM-1 SLOS	STM-1 TF ALARM	HIGH BER ALARM2	HIGH BER ALARM1	LOW BER ALARM2	LOW BER ALARM1
30	WS INPUT LOSS	SC LAN LINK ALARM	0	X CTRL ALARM	X REF ALARM2	X REF ALARM1	LOF2	LOF1
31	0	OUTPUT HK3 (Remark5)	0	0	0	CLUSTER ALARM3 (Remark5)	0	0
32	0	0	0	0	0	0	0	0
33	0	0	0	0	0	IDU ALARM	ODU ALARM2	ODU ALARM1
34	APC ALARM2	APC ALARM1	RX LEV ALARM2	RX LEV ALARM1	TX IN LEV ALARM2	TX IN LEV ALARM1	TX POWER ALARM2	TX POWER ALARM1
35	0	0	0	0	ODU CPU ALARM2	ODU CPU ALARM1	IF CABLE SHORT ALARM2	IF CABLE SHORT ALARM1
36	CH USAGE ERROR	CH AIS GENERATED	CH AIS RECEIVED	CH INPUT LOSS	DEM ALARM2	DEM ALARM1	MOD ALARM2	MOD ALARM1
37	LAN LINK ALARM	STM-1 RLOS	STM-1 SLOS	STM-1 TF ALARM	HIGH BER ALARM2	HIGH BER ALARM1	LOW BER ALARM2	LOW BER ALARM1
38	WS INPUT LOSS	SC LAN LINK ALARM	0	X CTRL ALARM	X REF ALARM2	X REF ALARM1	LOF2	LOF1
39	0	0	HK2 OUTPUT (Remark4)	0	0	0	CLUSTER ALARM2 (Remark4)	0
40	0	0	0	0	0	0	0	0
41	0	0	0	0	0	IDU ALARM	ODU ALARM2	ODU ALARM1
42	APC ALARM2	APC ALARM1	RX LEV ALARM2	RX LEV ALARM1	TX IN LEV ALARM2	TX IN LEV ALARM1	TX POWER ALARM2	TX POWER ALARM1
43	0	0	0	0	ODU CPU ALARM2	ODU CPU ALARM1	IF CABLE SHORT ALARM2	IF CABLE SHORT ALARM1
44	CH USAGE ERROR	CH AIS GENERATED	CH AIS RECEIVED	CH INPUT LOSS	DEM ALARM2	DEM ALARM1	MOD ALARM2	MOD ALARM1
45	LAN LINK ALARM	STM-1 RLOS	STM-1 SLOS	STM-1 TF ALARM	HIGH BER ALARM2	HIGH BER ALARM1	LOW BER ALARM2	LOW BER ALARM1
46	WS INPUT LOSS	SC LAN LINK ALARM	0	X CTRL ALARM	X REF ALARM2	X REF ALARM1	LOF2	LOF1
47	0	0	0	HK1 OUTPUT (Remark3)	0	0	0	CLUSTER ALARM1 (Remark3)

0 Fixed to 0.

Fixed to 1.

Remark1 : The value of Relay 1 is fixed to 1.

The value of the other Relay is fixed to 0.

Remark2 : The value of Relay 2 is fixed to 1.

The value of the other Relay is fixed to 0.

Remark3 : The value of Relay 3 is fixed to 1.

- The value of the other Relay is fixed to 0.
 Remark4 : The value of Relay 4 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark5 : The value of Relay 5 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark6 : The value of Relay 6 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark7 : The value of Relay 1 and Relay 2 is fixed to 0.
 The value of the other Relay is 0 or 1.

pnProvTCNThreshholdGroup - pnProvTCNThreshhold15minTotalTable

Object Name	Item	Trap Name	Trap Number
pnProvTCNThreshhold15minTotalPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnProvTCNThreshhold15minTotalWPIndex	(used as index of this table,1-4) 1:WORKING (MUX) 2:PROTECTION (MUX) 3: WORKING (DMR) / DIR-A 4: PROTECTION (DMR) / DIR-B *)DIR-A/DIR-B is available for 2-WAY. *)Protection is available for APS.	-----	-----
pnProvTCNThreshhold15minTotalORIndex	(used as index of this table,1-2) 1:OCCUR 2:RECOVER	-----	-----
pnProvTCNThreshhold15minTotalValue	TCN THRESHOLD 15MIN TOTAL This is a octet string consist of each value. Byte position is as follows. Byte 0 - Byte 3 OFS TCN THRESHOLD TOTAL-15min (0 - 900) Byte 4 - Byte 7 UAS TCN THRESHOLD TOTAL-15min (0 - 900) Byte 8 - Byte 11 ES TCN THRESHOLD TOTAL-15min (0 - 900) Byte 12 - Byte 15 SES TCN THRESHOLD TOTAL-15min (0 - 900) Byte 16 - Byte 19 BBE TCN THRESHOLD TOTAL-15min PDH(Bit Rate = 10MB) : 0 - 804600 PDH(Bit Rate = 20MB) : 0 - 804600 PDH(Bit Rate = 40MB) : 0 - 804600 PDH(Bit Rate = 80MB) : 0 - 1611000 PDH(Bit Rate = 100MB) : 0 - 1611000 SDH(Bit Rate = 156MB) : 0 - 2159100 Byte 20 - Byte 23 SEP TCN THRESHOLD TOTAL-15min (0 - 900)	eventTrapPnSTDTCNTreshhold15minTotal	440

pnProvTCNThreshholdGroup - pnProvTCNThreshhold15minCHTable

This table is not used. So Explanation is omitted.

pnProvTCNThreshholdGroup - pnProvTCNThreshhold1dayTotalTable

Object Name	Item	Trap Name	Trap Number
pnProvTCNThreshhold1dayTotalPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnProvTCNThreshhold1dayTotalIWPIIndex	(used as index of this table,1-4) 1:WORKING (MUX) 2:PROTECTION (MUX) 3: WORKING (DMR) / DIR-A 4: PROTECTION (DMR) / DIR-B *)DIR-A/DIR-B is available for 2-WAY. *)Protection is available for APS.	-----	-----
pnProvTCNThreshhold1dayTotalIORIndex	(used as index of this table,1-2) 1:OCCUR 2:RECOVER	-----	-----
pnProvTCNThreshhold1dayTotalValue	TCN THRESHOLD 1DAY TOTAL This is a octet string consist of each value. Byte position is as follows. Byte 0 - Byte 3 OFS TCN THRESHOLD TOTAL-1DAY (0 - 86400) Byte 4 - Byte 7 UAS TCN THRESHOLD TOTAL-1DAY (0 - 86400) Byte 8 - Byte 11 ES TCN THRESHOLD TOTAL-1DAY (0 - 86400) Byte 12 - Byte 15 SES TCN THRESHOLD TOTAL-1DAY (0 - 86400) Byte 16 - Byte 19 BBE TCN THRESHOLD TOTAL-1DAY PDH(Bit Rate = 10MB) : 0 - 77241600 PDH(Bit Rate = 20MB) : 0 - 77241600 PDH(Bit Rate = 40MB) : 0 - 77241600 PDH(Bit Rate = 80MB) : 0 - 154656000 PDH(Bit Rate = 100MB) : 0 - 154656000 SDH(Bit Rate = 156MB) : 0 - 207273600 Byte 20 - Byte 23 SEP TCN THRESHOLD TOTAL-1DAY (0 - 86400)	eventTrapPnSTDTCNThreshhold1dayTotal	442

pnProvTCNThreshholdGroup - pnProvTCNThreshhold1dayCHTable

This table is not used. So Explanation is omitted.

pnProvMDUCondSetTable

Object Name	Item	Trap Name	Trap Number
pnProvMDUCondSetPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnFadingDepthThreshold	Fading Depth Threshold This item is not used. This is a octet string consist of each value. Byte position is as follows. Byte 0 FADING DEPTH THRESHOLD(No.1/DIR-A) Byte 1 FADING DEPTH THRESHOLD(No.2/DIR-B)	eventTrapPnSTDFadingDepthThreshold	444
pnXpicCondLOSignalFail	XPIC Condition-Local Fail 0:INVALID 1:From RF to Self LO Signal 2:Mute *)This item is available for XPIC.	eventTrapPnSTDXPicCondLOSignalFail	445
pnEowIFTType	EOW2 External Setting 0:INVALID 1:Normal 2:Invert	eventTrapPnSTDEOWIntfcType	446
pnAlarmCorrelationCapability	ALARM CORRELATION CAPABILITY 0:INVALID 1:OFF 2:ON	eventTrapPnSTDAAlarmCorrelation	447

pnProvPMONSelectTable

Object Name	Item	Trap Name	Trap Number
pnProvPMONSelectPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnProvPMONSelect	PMON Select This is a octet string consist of each value. Byte position is as follows. Byte 0 SES COUNT ACTIVATION(No.1/DIR-A) 1:30% 2:15% Byte 1 SES COUNT ACTIVATION(DIR-B) 1:30% 2:15% Byte 2 - Byte 5 are fixed to 0. Byte 6 RX LEVEL TCN THRESHOLD(No.1/DIR-A) <integral number> -99 to -7 Byte 7 RX LEVEL TCN THRESHOLD(No.1/DIR-A) <a place of decimal> 0 to 9 Byte 8 RX LEVEL TCN THRESHOLD(No.2/DIR-B) <integral number> -99 to -7 Byte 9 RX LEVEL TCN	eventTrapPnSTDPmonSelect	448

Object Name	Item	Trap Name	Trap Number
	<p>THRESHOLD(No.2/DIR-B) <a place of decimal> 0 to 9</p> <p>*) The values of No.2/DIR-B side are fixed to 0 when Redundancy is 1+0 TERM.</p>		

pnProvVLANPortSetTable

Object Name	Item	Trap Name	Trap Number
pnProvVLANPortSetPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnProvVLANPortSet	<p>VLAN PORT SETTING This is a octet string consist of each value. Byte position is as follows.</p> <p>Byte 0 SWITCHING FUNCTION -- Not used 0:INVALID 1:DISABLED(No Report) 2:ENABLED(Report)</p> <p>Byte 1 MAC ADDRESS LEARNING 0:INVALID 1:OFF 2:ON</p> <p>Byte 2 2M FRAMING 0:INVALID 1:UNFRAMED 2:PCM31C(FAS+CRC) 3:PCM31(FAS) 4:PCM30C(MFAS+CRC) 5:PCM30(MFAS)</p> <p>Byte 4 MAIN LAN LINK DOWN CONTROL 0:INVALID 1:DISABLED 2:RADIO ONLY 3:RADIO+LLF(ANY PORT) 4:RADIO+LLF(ALL PORT) 10:GbE RADIO ONLY 11:GbE RADIO+LLF(ANY PORT) 12:GbE RADIO+LLF(ALL PORT)</p> <p>Byte 8 LAN PORT1 USAGE 0:INVALID 1:NOT USED 2:USED</p> <p>Byte 9 SPEED & DUPLEX PORT1 0:INVALID 2:AUTONEG(AUTO 1000M FULL DUPLEX) 3:AUTONEG(AUTO-MDI/MDIX) 6:100M-FULL(MDI) 7:100M-FULL(MDIX) 8:100M-HALF(MDI) 9:100M-HALF(MDIX) 10:10M-FULL(MDI) 11:10M-FULL(MDIX) 12:10M-HALF(MDI) 13:10M-HALF(MDIX))</p> <p>Byte 10 LINK LOSS FORWARDING PORT1 0:INVALID 1:DISABLED</p>	eventTrapPnSTDVlanPortSetting	492

Object Name	Item	Trap Name	Trap Number
	2:ENABLED Byte 11 COLLISION REPORT PORT1 0:INVALID 1:NOT REPORT 2:REPORT Byte 12 FLOW CONTROL PORT1 0:INVALID 1:OFF 2:ON Byte 16 LAN PORT2 USAGE 0:INVALID 1:NOT USED 2:USED Byte 17 SPEED & DUPLEX PORT2 0:INVALID 3:AUTONEG(AUTO-MDI/MDIX) 6:100M-FULL(MDI) 7:100M-FULL(MDIX) 8:100M-HALF(MDI) 9:100M-HALF(MDIX) 10:10M-FULL(MDI) 11:10M-FULL(MDIX) 12:10M-HALF(MDI) 13:10M-HALF(MDIX) Byte 18 LINK LOSS FORWARDING PORT2 0:INVALID 1:DISABLED 2:ENABLED Byte 19 COLLISION REPORT PORT2 0:INVALID 1:NOT REPORT 2:REPORT Byte 20 FLOW CONTROL PORT2 0:INVALID 1:OFF 2:ON Byte 24 LAN PORT3 USAGE 0:INVALID 1:NOT USED 2:USED Byte 25 SPEED & DUPLEX PORT3 0:INVALID 3:AUTONEG(AUTO-MDI/MDIX) 6:100M-FULL(MDI) 7:100M-FULL(MDIX) 8:100M-HALF(MDI) 9:100M-HALF(MDIX) 10:10M-FULL(MDI) 11:10M-FULL(MDIX) 12:10M-HALF(MDI) 13:10M-HALF(MDIX) Byte 26 LINK LOSS FORWARDING PORT3 0:INVALID 1:DISABLED 2:ENABLED Byte 27 COLLISION REPORT PORT3 0:INVALID 1:NOT REPORT 2:REPORT		

Object Name	Item	Trap Name	Trap Number
	Byte 28 FLOW CONTROL PORT3 0:INVALID 1:OFF 2:ON Byte 32 GbE MEDIA TYPE 0:INVALID 1:SFP 2:RJ-45		
pnProvVLANPort4Set	VLAN PORT4 SETTING This is a octet string consist of each value. Byte position is as follows. Byte 0 LAN PORT4 USAGE 0:INVALID 1:NOT USED 2:USED Byte 1 SPEED & DUPLEX PORT4 0:INVALID 3:AUTONEG(AUTO-MDI/MDIX) 6:100M-FULL(MDI) 7:100M-FULL(MDIX) 8:100M-HALF(MDI) 9:100M-HALF(MDIX) 10:10M-FULL(MDI) 11:10M-FULL(MDIX) 12:10M-HALF(MDI) 13:10M-HALF(MDIX) Byte 2 LINK LOSS FORWARDING PORT4 -- Not used 0:INVALID 1:DISABLED 2:ENABLED Byte 3 COLLISION REPORT PORT4 0:INVALID 1:NOT REPORT 2:REPORT Byte 4 FLOW CONTROL PORT4 0:INVALID 1:OFF 2:ON	eventTrapPnSTDVlanPort4Setting	493

pnProvVLANSettingTable

Object Name	Item	Trap Name	Trap Number
pnProvVLANSettingPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnProvVLANSet	<p>VLAN SETTING This is a bitmap of VLAN Mode. Byte position is as follows. *The bitmap is shown and described in the table below.</p> <p>Byte 0 VLAN MODE 0:INVALID 1:DISABLE 2:PORT VLAN 3:TAG VLAN 4:PORT VLAN + TAG VLAN 5:DOUBLE TAG VLAN</p> <p>Byte 8 PORT VLAN GROUP1</p> <p>Byte 9 PORT VLAN GROUP2</p> <p>...</p> <p>Byte 14 PORT VLAN GROUP7</p> <p>Byte 15 PORT VLAN GROUP8</p> <p>Byte 24-27 TAG VLAN GROUP1</p> <p>Byte 28-31 TAG VLAN GROUP2</p> <p>...</p> <p>Byte 272-275 TAG VLAN GROUP63</p> <p>Byte 276-279 TAG VLAN GROUP64</p> <p>Byte 284-287 DEFAULT TAG PORT1</p> <p>Byte 288-291 DEFAULT TAG PORT2</p> <p>Byte 292-295 DEFAULT TAG PORT3</p> <p>Byte 296-299 DEFAULT TAG PORT4</p> <p>Byte 300 INVALID VID FRAME HANDLING -- Not used 0:INVALID 1:DROP 2:FORWARD</p> <p>Byte 301 NON TAG FRAME HANDLING 0:INVALID 1:DROP 2:FORWARD</p>	eventTrapPnSTDVlanSetting	494
pnProvQoSSet	<p>QoS SETTING</p> <p>Byte 0 QoS MODE 0:INVALID 1:DISABLE 2:802.1p CoS 3:DSCP 4:ToS</p> <p>Byte 1 QUEUE CONTROL MODE 0:INVALID 1:WRR 2:SP(PQ3)+WRR(PQ2-0)</p> <p>Byte 2 WRR WEIGHT 0: INVALID</p>	eventTrapPnSTDQosSetting	495

Object Name	Item	Trap Name	Trap Number
	1: 6:3:2:1 2: 12:6:3:1 3: 24:12:6:1 4: 48:24:12:1 Byte 3 802.1Q USER PRIORITY 000 ... Byte 10 802.1Q USER PRIORITY 111 0:INVALID 1:PQ0 2:PQ1 3:PQ2 4:PQ3 Byte 11 DSCP PRIORITY 000000 ... Byte 74 DSCP PRIORITY 111111 0:INVALID 1:PQ0 2:PQ1 3:PQ2 4:PQ3 Byte 75 ToS PRIORITY 000 ... Byte 82 ToS PRIORITY 111 0:INVALID 1:PQ0 2:PQ1 3:PQ2 4:PQ3		

VLAN Mode setting bitmap table

Byte Offset	Item	Bit Position							
		bit 7 (MSB)	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0 (LSB)
0	VLAN MODE[8]	VLAN Mode							
1	RESERVE[8]	0	0	0	0	0	0	0	0
2	RESERVE[8]	0	0	0	0	0	0	0	0
3	RESERVE[8]	0	0	0	0	0	0	0	0
7	RESERVE[8]	0	0	0	0	0	0	0	0
8	PORT VLAN GROUP1[8]	Usage	0	DMR	Port4	Port3	Port2	Port1	
9	PORT VLAN GROUP2[8]	Usage	0	DMR	Port4	Port3	Port2	Port1	
10	PORT VLAN GROUP3[8]	Usage	0	DMR	Port4	Port3	Port2	Port1	
11	PORT VLAN GROUP4[8]	Usage	0	DMR	Port4	Port3	Port2	Port1	
12	PORT VLAN GROUP5[8]	Usage	0	DMR	Port4	Port3	Port2	Port1	
13	PORT VLAN GROUP6[8]	Usage	0	DMR	Port4	Port3	Port2	Port1	
14	PORT VLAN GROUP7[8]	Usage	0	DMR	Port4	Port3	Port2	Port1	
15	PORT VLAN GROUP8[8]	Usage	0	DMR	Port4	Port3	Port2	Port1	
16	RESERVE[8]	0	0	0	0	0	0	0	0
23	RESERVE[8]	0	0	0	0	0	0	0	0
24	TAG VLAN GROUP1[32]	VLAN ID							
25		VLAN ID							
26	Forward Map	Usage	0	DMR	Port4	Port3	Port2	Port1	
27	Un Tag Map	0	0	0	0	Port4	Port3	Port2	Port1
28	TAG VLAN GROUP2[32]	VLAN ID							
29		VLAN ID							
30	Forward Map	Usage	0	DMR	Port4	Port3	Port2	Port1	
31	Un Tag Map	0	0	0	0	Port4	Port3	Port2	Port1
...							
272	TAG VLAN GROUP63[32]	VLAN ID							
273		VLAN ID							
274	Forward Map	Usage	0	DMR	Port4	Port3	Port2	Port1	
275	Un Tag Map	0	0	0	0	Port4	Port3	Port2	Port1
276	TAG VLAN GROUP64[32]	VLAN ID							
277		VLAN ID							
278	Forward Map	Usage	0	DMR	Port4	Port3	Port2	Port1	
279	Un Tag Map	0	0	0	0	Port4	Port3	Port2	Port1
280	RESERVE[8]	0	0	0	0	0	0	0	0
281	RESERVE[8]	0	0	0	0	0	0	0	0
282	RESERVE[8]	0	0	0	0	0	0	0	0
283	RESERVE[8]	0	0	0	0	0	0	0	0
284	DEFAULT TAG PORT1[32]	VLAN ID							
285		VLAN ID							
286		Priority							
287		0							
288	DEFAULT TAG PORT2[32]	VLAN ID							
289		VLAN ID							
290		Priority							
291		0							
292	DEFAULT TAG PORT3[32]	VLAN ID							
293		VLAN ID							
294		Priority							
295		0							
296	DEFAULT TAG PORT4[32]	VLAN ID							
297		VLAN ID							
298		Priority							
299		0							
300	INVALID VID FRAME HANDLING[8]	Invalid VID Frame Handling							
301	NON TAG FRAME HANDLING[8]	Non Tag Frame Handling							
302	RESERVE[8]	0	0	0	0	0	0	0	0
351	RESERVE[8]	0	0	0	0	0	0	0	0

0	Fixed to 0.	
Usage	00	Invalid
	01	Disable
	10	Enable
Portx, DMR	0	Uncheck
	1	Check
VLAN ID	1 to 4094	Value
Priority	0 to 7	Value

pnProvMainLANModeSettingTable

Object Name	Item	Trap Name	Trap Number
pnProvMainLANModeSettingPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnProvMainLANModeSetting	MAIN LAN MODE SETTING 0:Invalid 1:ENH NODAL Mode 2:STD Mode	eventTrapPnSTDMaintLanModeSetting	1701

2.2.6 pnMaintenanceGroup

The object ID's in this group defines Maintenance information.

pnMaintCommonTable

Object Name	Item	Trap Name	Trap Number
pnMaintCommonPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnMaintMode	Maintenance 0:INVALID 1:OFF 2:ON	eventTrapPnSTDMaintMode	449
pnMaintTxSWControl	TX SW Manual Control This item is not used.	-----	-----
pnMaintRxSWControl	RX SW Manual Control This item is not used.	-----	-----
pnMaintAPSSWControl	APS Manual Control This item is not used.	-----	-----
pnMaintLoopback1CH	Main CH Loopback-1 (CHxx) xx:01-48 This is a bit map represented as a sum. BIT Positions are as follows. BIT0=CH01 BIT1=CH02 BIT46=CH47 or E3 CH01 (In case of E3 interface) BIT47=CH48 or E3 CH02 (In case of E3 interface) (0:OFF, 1:ON)	eventTrapPnSTDMaintLoopback1CH	453
pnMaintLoopback2CH	Main CH Loopback-2 (DIR-A) (CHxx) xx:01-48 This is a bit map represented as a sum. BIT Positions are as follows. BIT0=CH01 BIT1=CH02 BIT46=CH47 or E3 CH01 (In case of E3 interface) BIT47=CH48 or E3 CH02 (In case of E3 interface) (0:OFF, 1:ON) The value of CHxx is fixed to 0, when	eventTrapPnSTDMaintLoopback2CH	454

Object Name	Item	Trap Name	Trap Number
	CHxx Usage is not used. (xx: 01 - 48) (DIR-A) is available when Redundancy is 2-WAY.		
pnMaintLoopback1Work	Main Loopback-1 for STM-1 interface 0:OFF 1:ON	eventTrapPnSTDMaintLoopback1Work	455
pnMaintLoopback2	Main Loopback-2 for STM-1 interface 0:OFF 1:ON	eventTrapPnSTDMaintLoopback2	456
pnMaintDADEAdjust	DADE Adjust This item is not used. 0:INVALID 1:DADE 2:OFF SET DADE 3:DADE OFF	eventTrapPnSTDMaintDADEAdjust	457
pnMaintDADEAdjustEnable	DADE Adjust Enable This item is not used. 0:INVALID 1:OFF 2:ON(Under Execution)	eventTrapPnSTDMaintDADEAdjustEn	458
pnMaintLANDeviceReset	LAN Device Reset This item is not used. 0:INVALID 1:NOT SELECTED 2:INTFC(1)-Port1 3:INTFC(1)-Port2 4:INTFC(1)-Port3 5:INTFC(1)-Port4 6:INTFC(2)-Port1 7:INTFC(2)-Port2 8:INTFC(1)-ALL PORT *)This item is available for LAN interface. Reset operation is completed in an instant, Normally the value is 1(Not Selected).	eventTrapPnSTDMaintLANDeviceReset	459
pnMaintAlsRestart	ALS Restart This item is not used. 0:INVALID 1:NOT SELECTED 2:2sec(INTFC1) 3:90sec(INTFC1) 4:2sec(INTFC2) - only for APS 5:90sec(INTFC2) - only for APS *)This function is available for OPT interface.	eventTrapPnSTDMaintAlsRestart	460
pnMaintAlsManualRestart	ALS Manual Restart This item is not used. 0:INVALID 1:OFF 2:ON(INTFC1) 3:ON(INTFC2) - only for APS	eventTrapPnSTDMaintAlsManualRestart	461
pnMaintLoopback1Prot	Main Loopback-1 for STM-1 interface MAIN LOOPBACK-1 INTFC(2) 0:OFF 1:ON *)This item is available for APS	eventTrapPnSTDMaintLoopback1Prot	484

Object Name	Item	Trap Name	Trap Number
pnMaintTxSWMode	TX SW Mode 0:INVALID 1:AUTO(No.1) 2:AUTO(No.2) 3:MANUAL(No.1) 4:MANUAL(No.2) *)This item is used for Hot stand-by system.	eventTrapPnSTDMaintTxSWMode	485
pnMaintRxSWMode	RX SW Mode 0:INVALID 1:AUTO(No.1) 2:AUTO(No.2) 3:MANUAL(No.1) 4:MANUAL(No.2) *)This item is used for 1+1 system.	eventTrapPnSTDMaintRxSWMode	486
pnMaintAPSSWMode	APS SW Mode 0:INVALID 1:AUTO(Working) 2:AUTO(Protection) 3:MANUAL(Working) 4:MANUAL(Protection) *)This item is used for APS.	eventTrapPnSTDMaintAPSSWMode	487
pnMaintLoopback3CH	Main CH Loopback-2(DIR-B)(CHxx) (xx:01-48) This is a bit map represented as a sum. BIT Positions are as follows. BIT0=CH01 BIT1=CH02 BIT46=CH47 BIT47=CH48 0:OFF 1:ON The value of CHxx is fixed to 0, when DXC CHxx Usage is not used. (xx: 01 - 48) This item is available when Redundancy is 2-WAY.	eventTrapPnSTDMaintLoopback3CH	490

pnMaintSysTable

Object Name	Item	Trap Name	Trap Number
pnMaintSysPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnMaintSysIndex	Maint Sys index (used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system.	-----	-----
pnMaintSysATPCManualControl	ATPC Manual Control 0 :INVALID 1 :OFF 2 :ON *)This item is available for ATPC.	eventTrapPnSTDMaintATPCManualControl	462
pnMaintSysATPCManualControlPower	ATPC Manual Control Power [dB] IF pnMaintSysATPCManualControl = ON, This item is available. The range of value is defined in the mib of pnProvTxPowerControlValue (ATPC(MAX)>=ATPC(MIN)).	eventTrapPnSTDMaintATPCManualControlPower	463
pnMaintSysTxMuteControl	TX Mute Control 0 :INVALID 1 :OFF 2 :ON	eventTrapPnSTDMaintTxMuteControl	464
pnMaintSysTxMuteControlReleaseTime	TX Mute Off Timer [sec] This value is used for TX Mute Control of opposite station. Value of 0 is no timeout.	eventTrapPnSTDMaintTxMuteControlReleaseTime	465
pnMaintSysCW	CW Control 0 :INVALID 1 :OFF 2 :ON	eventTrapPnSTDMaintCW	466
pnMaintSysIFLoopback	IF Loopback 0 :INVALID 1 :OFF 2 :ON	eventTrapPnSTDMaintIfLoopback	467
pnMaintSysForcedXPICControl	XPIC Control 0:INVALID 1:AUTO 2:FORCED RESET *)This is available for XPIC system.	eventTrapPnSTDMaintForcedXPICControl	468
pnMaintSysForcedLinearizerControl	Linearizer Control 0:INVALID 1:AUTO 2:FORCED RESET	eventTrapPnSTDMaintForcedLinearizerControl	469
pnMaintSysRFShiftFreqSet	RF Shift Frequency [MHz] This item is not used. This value is only 1008 or 1010.	eventTrapPnSTDMaintRFShiftFreqSet	471
pnMaintSysAntennaAlignMode	Antenna Alignment Mode This item is offline maintenance. 0 :INVALID 1 :OFF 2 :ON	eventTrapPnSTDMaintAntennaAlignMode	472

2.2.7 pnInvEntryGroup

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

pnInvModuleInfoMDUTable

Object Name	Item	Trap Name	Trap Number
pnInvModuleInfoMDUPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnInvModuleInfoMDUIndex	Module Info MDU index (used as index of this table, 1-5) 1:MODEM No.1/DIR-A 2:MODEM No.2/DIR-B 3:CTRL 4:MAIN(WORK) 5:SUB(PROT) *)MODEM No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system. SUB(PROT) is available for SDH.	-----	-----
pnInvModuleInfoMDUData	Module Information of MDU This is a octet string consist of each value. Byte position is as follows. Byte 0 - Byte 15 Code No. (ascii 16byte) Byte 16 - Byte 31 Package Name (ascii 16byte) Byte 32 - Byte 39 Serial No. (ascii 8byte) Byte 40 - Byte 47 Date of manufacture (ascii 8byte) Byte 48 - Byte 55 H/W Version (ascii 8byte)	-----	-----

pnInvModuleInfoTRUTable

Object Name	Item	Trap Name	Trap Number
pnInvModuleInfoTRUPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnInvModuleInfoTRUSysIndex	Module Info ODU Sys index (used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system.	-----	-----
pnInvModuleInfoTRUData	Module Information of ODU This is a octet string consist of each value. Byte position is as follows. Byte 0 - Byte 15 Code No. (ascii 16byte) Byte 16 - Byte 31 Package Name (ascii 16byte) Byte 32 - Byte 39 Serial No. (ascii 8byte) Byte 40 - Byte 47 Date of manufacture (ascii 8byte) Byte 48 - Byte 55 H/W Version (ascii 8byte) Byte 56 - Byte 59 F/W Version (ascii 4byte)	-----	-----

pnInvFPGAInfoTable

Object Name	Item	Trap Name	Trap Number
pnInvFPGAInfoPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnInvFPGAInfoIndex	FPGA Info index (used as index of this table, 1-8) 1:MODEM No.1/DIR-A 2:MODEM No.2/DIR-B 3:CTRL 4:MAIN(WORK) 5:SUB(PROT) 6:SFP Module-MAIN(WORK) -- Not used 7:SFP Module-SUB(PROT) -- Not used 8:CTRL Program Version MODEM(No.2) is available for 1+1 system. DIR-A/B is available for 2-WAY system. SUB(PROT) is available only when System Architecture is SDH.	-----	-----
pnInvFPGAInfoData	FPGA Information Data This is a octet string consist of each value. Byte position is as follows. Byte 0 - Byte 15 FPGA1 Code No. (ascii 16byte) Byte 16 - Byte 31 FPGA1 Name (ascii 16byte) Byte 32 - Byte 37 FPGA1 Version (ascii 6byte) Byte 38 - Byte 53 FPGA2 Code No. (ascii 16byte)-- Not used Byte 54 - Byte 69 FPGA2 Name (ascii 16byte) -- — Not used Byte 70 - Byte 75 FPGA2 Version (ascii 6byte) -- — Not used	-----	-----

pnInvTRUProvRangeInfoTable

Object Name	Item	Trap Name	Trap Number
pnInvTRUProvRangeInfoPasolIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnInvTRUProvRangeInfoValue	ODU PROV Range Information This is a octet string consist of each value. Byte position is as follows. Byte 0 ATPC(MAX) (No.1/DIR-A) Byte 1 ATPC(MIN) (No.1/DIR-A) Byte 2 MTPC(MAX) (No.1/DIR-A) Byte 3 MTPC(MIN) (No.1/DIR-A) Byte 4 RX THRESHOLD LEVEL(MAX) (No.1/DIR-A) integral number(signed char) Byte 5	-----	-----

Object Name	Item	Trap Name	Trap Number
	RX THRESHOLD LEVEL(MAX) (No.1/DIR-A) a place of decimal(0-9) Byte 6 RX THRESHOLD LEVEL(MIN) (No.1/DIR-A) integral number(signed char) Byte 7 RX THRESHOLD LEVEL(MIN) (No.1/DIR-A) a place of decimal(0-9) Byte 8 ADDITIONAL ATT(MAX) (No.1/DIR-A) Byte 9 ADDITIONAL ATT(MIN) (No.1/DIR-A) Byte 16 ATPC(MAX) (No.2/DIR-B) Byte 17 ATPC(MIN) (No.2/DIR-B) Byte 18 MTPC(MAX) (No.2/DIR-B) Byte 19 MTPC(MIN) (No.2/DIR-B) Byte 20 RX THRESHOLD LEVEL(MAX) (No.2/DIR-B) integral number(signed char) Byte 21 RX THRESHOLD LEVEL(MAX) (No.2/DIR-B) a place of decimal(0-9) Byte 22 RX THRESHOLD LEVEL(MIN) (No.2/DIR-B) integral number(signed char) Byte 23 RX THRESHOLD LEVEL(MIN) (No.2/DIR-B) a place of decimal(0-9) Byte 24 ADDITIONAL ATT(MAX) (No.2/DIR-B) Byte 25 ADDITIONAL ATT(MIN) (No.2/DIR-B)		

pnInvTRUFreqInfoTable

Object Name	Item	Trap Name	Trap Number
pnInvTRUFreqInfoPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnInvTRUFreqInfoSysIndex	TRU Freq Info Sys index (used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system.	-----	-----
pnInvTRUFreqInfoValue	ODU Frequency Information This is a octet string consist of each value. Byte position is as follows. Byte 0 - Byte 8 TX START FREQUENCY[MHz]	-----	-----

Object Name	Item	Trap Name	Trap Number
	(ascii 9byte) Byte 9 - Byte 17 TX STOP FREQUENCY[MHz] (ascii 9byte) Byte 18 - Byte 26 RX START FREQUENCY[MHz] (ascii 9byte) Byte 27 - Byte 35 RX STOP FREQUENCY[MHz] (ascii 9byte) Byte 36 - Byte 42 FREQUENCY STEP[MHz] (ascii 7byte) Byte 43 - Byte 50 SHIFT FREQUENCY[MHz] (ascii 8byte) Byte 51 UPPER/LOWER 0:LOWER 1:UPPER Byte 55 SUB BAND Type (ascii 1byte) Byte 56 TX/RX INDEPENDENT INFO 0:TX&RX 1:TX/RX		

pnInvEquipmentSupportabilityTable

Object Name	Item	Trap Name	Trap Number
pnInvEquipmentSupportabilityPasoIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnInvEquipmentSupportabilityInfo	Equipment Supportability Information This is a bit map represented as a sum. This item is used for only PNMS and PNMT.	----	----
pnInvEquipmentSupportabilityInfo2	Equipment Supportability Information2 This is an expansion bit map represented as a sum. This item is used for only PNMS and PNMT.	----	----

pnInvUpdateInfoTable

Object Name	Item	Trap Name	Trap Number
pnInvUpdateInfoPasoIndex	PASOLINK NE IP address (used as index of this table)	-----	-----
pnInvUpdateInfoMainWorkModule	Update Information - MAIN(WORK) Module 0:INVALID 1:BLANK 2:16xE1 BASIC PKG 3:16xE1 STANDARD PKG(E/W LAN) 4:32xE1 PKG(E/W LAN) 5:48xE1 PKG 6:4PORT LAN WITH E1 7:STM-1(OPTICAL) 8:STM-1(ELECTRICAL) 9:2PORT LAN OVER STM-1 10:GbE OVER STM-1 11:E3 PKG(E/W LAN) 12:16E1 2-WAY/XC PKG(E/W LAN) 14:GbE(10/100/1000B) OVER STM-1 16:4PORT LAN WITH E1(VLAN) 17:GbE OVER STM-1(VLAN)	eventTrapPnSTDInvUpdateMainWorkModule	473
pnInvUpdateInfoSubProtModule	Update Information – SUB(PROT) Module 0:INVALID 1:BLANK 2:STM-1(OPTICAL) 3:WS/LAN 4:WS	eventTrapPnSTDInvUpdateSubProtModule	474
pnInvUpdateInfoSummary	Update Information – Summary)This item is not used. This is a bit map represented as a sum. BIT Positions are as follows. Bit 0 = CTRL Bit 1 = MODEM No.1/DIR-A Bit 2 = MODEM No.2/DIR-B Bit 3 = MAIN(WORK) Bit 4 = SUB(PROT) Bit 5 = ODU No.1/DIR-A Bit 6 = ODU No.2/DIR-B Bit 7 = CTRL Program Version Bit 8 = ODU Provisioning Information Bit 9 = ODU Frequency Information Bit10 = SUPPORTABILITY	eventTrapPnSTDInvUpdateSummary	475

2.2.8 pnMeteringGroup

The object ID's in this group defines metering information of the ODU and IDU such as TX power, RX level Power supply and Bit Error Rate.

pnMeteringSysTable

Object Name	Item	Trap Name	Trap Number
pnMetSysPasoIndex	PASOLINK NE IP address (used as index of this table)	----	----
pnMetSysIndex	Metering Sys index (used as index of this table, 1-2) 1:No. 1/DIR-A 2:No. 2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system.	----	----
pnMetSysTxPowerStatus	TX Power Status 0:INVALID not obtained, out of range 1:INVALID Index 2 is unavailable for 1+0 system 2:VALID	----	----
pnMetSysTxPowerValue	TX Power [dBm] +/-**.* (ascii 5byte) This value is not guaranteed when pnMetSysTxPowerStatus is Invalid(0 and 1).	----	----
pnMetSysRxLevelStatus	RX Level Status 0:INVALID not obtained, out of range 1:INVALID Index 2 is unavailable for 1+0 system 2:VALID	----	----
pnMetSysRxLevelValue	RX Level [dBm] +/-**.* (ascii 5byte) *)This value is not guaranteed when pnMetSysRxLevelStatus is Invalid(0 and 1).	----	----
pnMetSysPSVoltageStatus	ODU PS Status 0:INVALID not obtained, out of range 1:INVALID Index 2 is unavailable for 1+0 system 2:VALID	----	----
pnMetSysPSVoltageValue	ODU PS [V] -** (ascii 3byte) *)This value is not guaranteed when pnMetSysPSVoltageStasus is Invalid(0 and 1).	----	----
pnMetSysBitErrorRateStatus	Bit Error Rate Status 0:INVALID 42:INVALID 127:Calculating 255:latest value *)Index 2 is unavailable.	----	----

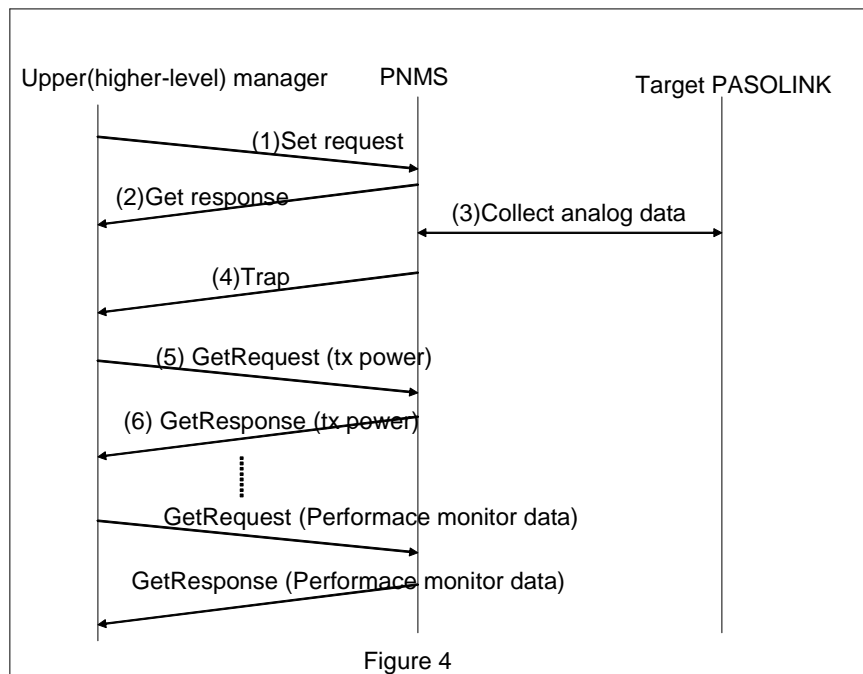
Object Name	Item	Trap Name	Trap Number
pnMetSysBitErrorRateXValue	BER (Significand Part) This Value shows significant Value for BER times 10. This stautus is invalid when value is -1. (Example) BER = 1.2E-6 This value is 12.	-----	-----
pnMetSysBitErrorRateYValue	BER (Exponential Part) This Value shows Exponential Part for BER. This stautus is invalid when value is -1. (Example) BER = 1.2E-6 This value is 6.	-----	-----

2.2.9 pnGetMeasurementDataGroup

The following information in this MIB can be updated by using a Link Summary window on PNMSj. In order to acquire the newest values on the equipment, which are not displayed on Link Summary window, it is required to use the following procedure and pnGetMeteringInfoDataTable.

```
<pnMeteringGroup>
pnMetSysTxPowerStatus
pnMetSysTxPowerValue
pnMetSysRxLevelStatus
pnMetSysRxLevelValue
pnMetSysPSVoltageStatus
pnMetSysPSVoltageValue
pnMetSysBitErrorRateStatus
pnMetSysBitErrorRateXValue
pnMetSysBitErrorRateYValue
```

Figure 4 describes the sequence of exchange in order to obtain monitoring numerical value of each PASOLINK by the upper(higher-level) manager.



<Procedure>

1. IP address of the equipment and the unique request ID, which is set on a higher-level manager according to higher-level manager' rule, are set to pngmiTargetPasolink and pngmiRequestID, respectively.
2. PNMS collects the above-mentioned information on the specified equipment.
3. PNMS notifies a higher-level manager of systemTrapPnGetResult Trap (Trap Number=601) after completing collection.
4. A higher-level manager collects the above-mentioned information from PNMS after receiving trap.

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

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

pnGetMeteringInfoDataTable

Object Name	Item	Trap Name	Trap Number
pngmiManagerIndex	Higher-level manager IP Address (from index of this table)	-----	-----
pngmiRequestID	Request ID	-----	-----
pngmiTargetPasolink	PASOLINK NE IP address	-----	-----
pngmiDataStatus	Data Status 0: invalid 1: ready 2: wait 3: fail	systemTrapPnGetResult	601

Appendix 1

PASOLINK NEO MIB Definition

```

-----
-- Release Date: <2006/05/12 10:50:30>
--   Version   : Ver.1.03 (Reference NEO STD MIB ;Ver.1.25)
-- Release Date: <2006/09/28 20:04:30>
--   Version   : Ver.1.04 (Reference NEO STD MIB ;Ver.1.25)
-- Release Date: <2006/10/24 20:33:30>
--   Version   : Ver.1.05 (Reference NEO STD MIB ;Ver.1.25)
-- Release Date: <2006/10/05 15:58:10>
--   Version   : Ver.1.06 (Reference NEO STD MIB ;Ver.1.51)
-- Release Date: <2006/10/25 16:16:30>
--   Version   : Ver.1.07 (Reference NEO STD MIB ;Ver.1.51)
-- Release Date: <2006/12/28 14:30:00>
--   Version   : Ver.1.08 (Reference NEO STD MIB ;Ver.1.71)
-- Release Date: <2007/01/12 18:15:00>
--   Version   : Ver.1.09 (Reference NEO STD MIB ;Ver.1.71)
-- Release Date: <2007/01/17 19:00:00>
--   Version   : Ver.1.10 (Reference NEO STD MIB ;Ver.1.71)
-- Release Date: <2007/01/18 17:41:00>
--   Version   : Ver.1.11 (Reference NEO STD MIB ;Ver.1.73)
-- Release Date: <2007/02/16 12:00:00>
--   Version   : Ver.1.12 (Reference NEO STD MIB ;Ver.1.75)
-- Release Date: <2007/08/02 18:00:00>
--   Version   : Ver.1.13 (Reference NEO STD MIB ;Ver.1.75)
-- Release Date: <2007/08/24 14:00:00>
--   Version   : Ver.1.14 (Reference NEO STD MIB ;Ver.1.75)
-- Release Date: <2007/09/13 17:00:00>
--   Version   : Ver.1.15 (Reference NEO STD MIB ;Ver.1.84)
-- Release Date: <2007/12/03 17:00:00>
--   Version   : Ver.1.16 (Reference NEO STD MIB ;Ver.1.85)
-- Release Date: <2008/01/28 11:45:00>
--   Version   : Ver.1.17 (Reference NEO STD MIB ;Ver.1.88)
-- Release Date: <2008/02/08 20:00:00>
--   Version   : Ver.1.18 (Reference NEO STD MIB ;Ver.1.88)
-- Release Date: <2008/03/18 21:18:02>
--   Version   : Ver.1.19 (Reference NEO STD MIB ;Ver.1.89)
-- Release Date: <2008/03/28 16:22:34>
--   Version   : Ver.1.20 (Reference NEO STD MIB ;Ver3.14)
-- Release Date: <2008/5/16 10:12:12>
--   Version   : Ver.1.21 (Reference NEO STD MIB ;Ver3.17)
-- Release Date: <2008/6/10 17:58:12>
--   Version   : Ver.1.22 (Reference NEO STD MIB ;Ver3.42)
-- Release Date: <2008/8/18 13:58:12>
--   Version   : Ver.1.23 (Reference NEO STD MIB ;Ver3.43)
-- Release Date: <2008/10/28 14:54:12>
--   Version   : Ver.1.24 (Reference NEO STD MIB ;Ver3.62)
-- Release Date: <2009/01/06 10:02:21>
--   Version   : Ver.1.25 (Reference NEO STD MIB ;Ver3.68)
-- Release Date: <2009/03/03 16:11:09>
--   Version   : Ver.1.26 (Reference NEO STD MIB ;Ver3.68)
-- Release Date: <2009/03/24 11:00:00>
--   Version   : Ver.1.27 (Reference NEO STD MIB ;Ver3.91)
-- Release Date: <2009/09/03 17:00:00>
--   Version   : Ver.1.28 (Reference NEO STD MIB ;Ver4.10)
-- Release Date: <2009/11/12 17:00:00>
--   Version   : Ver.1.29 (Reference NEO STD MIB ;Ver4.13)
-- Release Date: <2011/02/22 22:00:00>
--   Version   : Ver.1.30 (Reference NEO STD MIB ;Ver4.13)
-- Release Date: <2011/03/16 14:00:00>
--   Version   : Ver.1.31 (Reference NEO STD MIB ;Ver4.13)
-- Release Date: <2011/04/18 14:00:00>

```

```
-- Version : Ver.1.32 (Reference NEO STD MIB ;Ver4.13)
```

```
-----
```

```
MIB-UNIXPNMS-PASOLINK-NEO-STD DEFINITIONS ::= BEGIN
```

```
-----
```

```
-- IMPORTS Definitions
```

```
-----
```

```
IMPORTS
    enterprises,IpAddress,Counter,TimeTicks
        FROM RFC1155-SMI
    DisplayString
        FROM RFC1213-MIB
    OBJECT-TYPE
        FROM RFC-1212
    TEXTUAL-CONVENTION
        FROM SNMPv2-TC
    TRAP-TYPE
        FROM RFC-1215
    unixpnms
        FROM NEC-SMI-UNIXPNMS;
```

```
-----
```

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

```
-----
```

```
DATE32 ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Date Type (32Bit)"
    SYNTAX      INTEGER
```

```
TIME32 ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Time Type (32Bit)"
    SYNTAX      INTEGER
```

```
DateAndTime ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Date and Time Type "
    SYNTAX      OCTET STRING ( SIZE (8) )
```

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

```
AlarmTypeValue ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Alaem Type (CCITT Rec. X.733)
        0:invalid,
```

1:communicationsAlarm,
 2:qualityOfServiceAlarm,
 3:processingErrorAlarm,
 4:equipmentAlarm,
 5:environmentalAlarm,
 6:integrityViolationAlarm,
 7:operationalViolationAlarm,
 8:physicalViolationAlarm,
 9:securityViolationAlarm,
 10:timeDomainViolationAlarm

"

SYNTAX INTEGER (0..10)

ProbableCauseValue ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION "Probable Cause (CCITT Rec. X.733)

0:invalid,
 1:aIS,
 2:callSetUpFailure,
 3:degradedSignal,
 4:farEndReceiverFailure,
 5:framingError,
 6:lossOfFrame,
 7:lossOfPointer,
 8:lossOfSignal,
 9:payloadTypeMismatch,
 10:transmissionError,
 11:remoteAlarmInterface,
 12:excessiveBER,
 13:pathTraceMismatch,
 51:backplaneFailure,
 52:dataSetProblem,
 53:equipmentIdentifierDuplication,
 54:externalIFDeviceProblem,
 55:lineCardProblem,
 56:multiplexerProblem,
 57:nEIdentifierDuplication,
 58:powerProblem,
 59:processorProblem,
 60:protectionPathFailure,
 61:receiverFailure,
 62:replaceableUnitMissing,
 63:replaceableUnitTypeMismatch,
 64:synchronizationSourceMismatch,
 65:terminalProblem,
 66:timingProblem,
 67:transmitterFailure,
 68:trunkCardProblem,
 69:replaceableUnitProblem,
 101:airCompressorFailure,
 102:airConditioningFailure,
 103:airDryerFailure,
 104:batteryDischarging,
 105:batteryFailure,
 106:commercialPowerFailure,
 107:coolingFanFailure,
 108:engineFailure,
 109:fireDetectorFailure,
 110:fuseFailure,
 111:generatorFailure,

112:lowBatteryThreshold,
113:pumpFailure,
114:rectifierFailure,
115:rectifierHighVoltage,
116:rectifierLowFVoltage,
117:ventilationsSystemFailure,
118:enclosureDoorOpen,
119:explosiveGas,
120:fire,
121:flood,
122:highHumidity,
123:highTemperature,
124:highWind,
125:iceBuildUp,
126:intrusionDetection,
127:lowFuel,
128:lowHumidity,
129:lowCablePressure,
130:lowTemperature,
131:lowWater,
132:smoke,
133:toxicGas,
151:storageCapacityProblem,
152:memoryMismatch,
153:corruptData,
154:outOfCPUCycles,
155:sfwrEnvironmentProblem,
156:sfwrDownloadFailure,
157:communicationsProtocolError,
158:congestion,
159:heatingOrVentilationOrCoolingSystemProblem,
160:IANError,
161:performanceDegraded,
162:temperatureUnacceptable,
163:thresholdCrossed,
164:underlyingResourceUnavailable,
165:equipmentMalfunction,
166:configurationOrCustomizationError,
501:duplicateInformation,
502:informationMissing,
503:informationModificationDetected,
504:informationOutOfSequence,
505:unexpectedInformation,
506:denialOfService,
507:outOfService,
508:proceduralError,
509:cableTamper,
510:securityIntrusionDetection,
511:authenticationFailure,
512:breachOfConfidentiality,
513:unauthorisedAccessAttempt,
514:delayedInformation,
515:keyExpired,
516:outOfHoursActivity,
517:otherReasons,
518:bossHardwareFailure,
519:bossSystemSoftwareFailure,
520:bossApplicationSoftwareFailure,
521:bossDatabaseFailure,
522:bossNetworkFailure

```

"
SYNTAX          INTEGER (0..522)

NormalAlarmValue ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Normal/Alarm Type
                  0:Invalid,
                  1:Normal,
                  2:Alarm
"
SYNTAX          INTEGER (0..2)

OffOnValue      ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Off/On Type
                  0:Invalid,
                  1:Off,
                  2:On
"
SYNTAX          INTEGER (0..2)

NormalSendValue ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Normal/Send Type
                  0:Invalid,
                  1:Normal,
                  2:Send
"
SYNTAX          INTEGER (0..2)

NormalRcvdValue ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Normal/Rcvd Type
                  0:Invalid,
                  1:Normal,
                  2:Rcvd
"
SYNTAX          INTEGER (0..2)

ConnectDisconnectValue ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION  "Connect/Disconnect Type
                  Invalid(0),
                  Disconnect(1),
                  Connect(2)
"
SYNTAX          INTEGER (0..2)

```

```

-----
-- enterprises Group Definitions
-----

```

```

pasolinkNeoStd OBJECT IDENTIFIER
    ::= { unixpnms 113 }

```

```

pasolinkNeoStdSystem OBJECT IDENTIFIER
    ::= { pasolinkNeoStd 1 }

```

```

pasolinkNeoStdInformation OBJECT IDENTIFIER

```

```
::= { pasolinkNeoStd 2 }
```

```
-----
-- system3 Group Definitions
-----
```

```
pnSystem OBJECT IDENTIFIER
    ::= { pasolinkNeoStdSystem 1 }
```

```
pnConfiguration OBJECT IDENTIFIER
    ::= { pasolinkNeoStdSystem 2 }
```

```
pnSys3Trap OBJECT IDENTIFIER
    ::= { pasolinkNeoStdSystem 3 }
```

```
-----
-- pnSystem Group Definitions
-----
```

```
pnSystemInfo OBJECT IDENTIFIER
    ::= { pnSystem 1 }
```

```
pnSystemEquipmentConfigTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnSystemEquipmentConfigEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION  "Equipment Config"
    ::= { pnSystemInfo 1 }
```

```
pnSystemEquipmentConfigEntry OBJECT-TYPE
    SYNTAX      PnSystemEquipmentConfigEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION  "Equipment Config Entry"
    INDEX       {
                                pnSysPasolIndex
                            }
    ::= { pnSystemEquipmentConfigTable 1 }
```

```
PnSystemEquipmentConfigEntry ::= SEQUENCE {
    pnSysPasolIndex      IpAddress,
    pnSysEquipmentConfig INTEGER
}
```

```
pnSysPasolIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Pasolink IP Address index"
    ::= { pnSystemEquipmentConfigEntry 1 }
```

```
pnSysEquipmentConfig OBJECT-TYPE
    SYNTAX      INTEGER (0..12)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Equipment Config
                    0:Invalid,
                    1:1+0,
```



```

2:1+1, -- Not used
3:1+1 HS,
4:1+1 TP,
5:1+0->1+1, --Not used
7:1+0(4*2M), -- Not used
8:1+0(20*2M), -- Not used
9:2-WAY PDH,
10:2-WAY(TREE), -- Not used
11:2-WAY(REP), -- Not used
12:2-WAY(RING) -- Not used
"

```

```

::= { pnSystemEquipmentConfigEntry 2 }

```

```

-----
-- pnConfiguration Group Definitions
-----

```

```

pnCfgAux OBJECT IDENTIFIER
::= { pnConfiguration 1 }

```

```

pnCfgAuxInTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnCfgAuxInEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION  "Aux Input Table"
    ::= { pnCfgAux 1 }

```

```

pnCfgAuxInEntry OBJECT-TYPE
    SYNTAX      PnCfgAuxInEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX       {
                                pnCfgAuxInPasolIndex,
                                pnCfgAuxInIndex
                        }
    ::= { pnCfgAuxInTable 1 }

```

```

PnCfgAuxInEntry ::= SEQUENCE {
    pnCfgAuxInPasolIndex      IpAddress,
    pnCfgAuxInIndex           INTEGER,
    pnCfgAuxInItemName        DisplayString,
    pnCfgAuxInItemType        INTEGER,
    pnCfgAuxInOpenState       DisplayString,
    pnCfgAuxInCloseState      DisplayString,
    pnCfgAuxInSeverity         SeverityValue,
    pnCfgAuxInAlarmType       AlarmTypeValue,
    pnCfgAuxInProbableCause   ProbableCauseValue
}

```

```

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

```

```

pnCfgAuxInIndex OBJECT-TYPE
    SYNTAX      INTEGER (1..6)
    ACCESS      read-only

```

STATUS mandatory
 DESCRIPTION "AUX Input Index"
 ::= { pnCfgAuxInEntry 2 }

pnCfgAuxInItemName OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..32))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX Input name.
 TRAP=configTrapPnSys3AuxInItemName"
 ::= { pnCfgAuxInEntry 3 }

pnCfgAuxInItemType OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Configuration for AUX Input.
 0:Invalid
 1:Alarm with Open loop,
 2:Alarm with Close loop,
 3:Status
 TRAP=configTrapPnSys3AuxInItemType"
 ::= { pnCfgAuxInEntry 4 }

pnCfgAuxInOpenState OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..32))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Name when AUX Input is open status
 TRAP=configTrapPnSys3AuxInOpenState"
 ::= { pnCfgAuxInEntry 5 }

pnCfgAuxInCloseState OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..32))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Name when AUX Input is close status
 TRAP=configTrapPnSys3AuxInCloseState"
 ::= { pnCfgAuxInEntry 6 }

pnCfgAuxInSeverity OBJECT-TYPE

SYNTAX SeverityValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Severity when AUX Input is alarm.
 TRAP=configTrapPnSys3AuxInSeverity"
 ::= { pnCfgAuxInEntry 7 }

pnCfgAuxInAlarmType OBJECT-TYPE

SYNTAX AlarmTypeValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Alarm Type when AUX Input is alarm.
 TRAP=configTrapPnSys3AuxInAlarmType"
 ::= { pnCfgAuxInEntry 8 }

pnCfgAuxInProbableCause OBJECT-TYPE

SYNTAX ProbableCauseValue
 ACCESS read-only

STATUS mandatory
 DESCRIPTION "ProbableCause when AUX Input is alarm.
 TRAP=configTrapPnSys3AuxInProbableCause"
 ::= { pnCfgAuxInEntry 9 }

pnCfgAuxOutTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PnCfgAuxOutEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "AUX Output Table"
 ::= { pnCfgAux 2 }

pnCfgAuxOutEntry OBJECT-TYPE
 SYNTAX PnCfgAuxOutEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnCfgAuxOutPasolIndex,
 pnCfgAuxOutIndex
 }
 ::= { pnCfgAuxOutTable 1 }

PnCfgAuxOutEntry ::= SEQUENCE {
 pnCfgAuxOutPasolIndex IpAddress,
 pnCfgAuxOutIndex INTEGER,
 pnCfgAuxOutItemName DisplayString,
 pnCfgAuxOutOpenState DisplayString,
 pnCfgAuxOutCloseState DisplayString
 }

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

pnCfgAuxOutIndex OBJECT-TYPE
 SYNTAX INTEGER (1..4)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX Output Index"
 ::= { pnCfgAuxOutEntry 2 }

pnCfgAuxOutItemName OBJECT-TYPE
 SYNTAX DisplayString (SIZE (0..32))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX Input name.
 TRAP=configTrapPnSys3AuxOutItemName"
 ::= { pnCfgAuxOutEntry 3 }

pnCfgAuxOutOpenState OBJECT-TYPE
 SYNTAX DisplayString (SIZE (0..32))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Name when AUX Output is open status
 TRAP=configTrapPnSys3AuxOutOpenState"
 ::= { pnCfgAuxOutEntry 4 }

```

pnCfgAuxOutCloseState OBJECT-TYPE
    SYNTAX      DisplayString (SIZE (0..32))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Name when AUX Output is close status
                TRAP=configTrapPnSys3AuxOutCloseState"
    ::= { pnCfgAuxOutEntry 5 }

```

-- pnSys3Trap Group Definitions

```

pnSys3TrapCommon OBJECT IDENTIFIER
    ::= { pnSys3Trap 1 }

```

```

pnSys3TrapGenericVars OBJECT IDENTIFIER
    ::= { pnSys3TrapCommon 1 }

```

```

sys3PnTrapSequenceNumber OBJECT-TYPE
    SYNTAX      Counter
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "PTR=trapGroupGroup.trapSequenceNumber"
    ::= { pnSys3TrapGenericVars 1 }

```

```

sys3PnTrapDate OBJECT-TYPE
    SYNTAX      DisplayString (SIZE (0..16))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "PTR=trapGroupGroup.trapDate"
    ::= { pnSys3TrapGenericVars 2 }

```

```

sys3PnTrapTime OBJECT-TYPE
    SYNTAX      DisplayString (SIZE (0..16))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "PTR=trapGroupGroup.trapTime"
    ::= { pnSys3TrapGenericVars 3 }

```

```

sys3PnTrapSource OBJECT-TYPE
    SYNTAX      OBJECT IDENTIFIER
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "PTR=trapGroupGroup.trapSource"
    ::= { pnSys3TrapGenericVars 4 }

```

```

pnSys3TrapItemVar OBJECT IDENTIFIER
    ::= { pnSys3Trap 2 }

```

```

pnSys3ConfigTrapItemVar OBJECT IDENTIFIER
    ::= { pnSys3TrapItemVar 1 }

```

```

configItemPnSys3AuxInItemName OBJECT-TYPE
    SYNTAX      DisplayString (SIZE (0..32))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "AUX Input name."
    ::= { pnSys3ConfigTrapItemVar 4 }

```

```

configItemPnSys3AuxInItemType OBJECT-TYPE
    SYNTAX      INTEGER (0..3)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Configuration for AUX Input.
                  0:Invalid
                  1:Alarm In Open state
                  2:Alarm In Close state
                  3:Status
                  FLAG=SUMMARY_AUX"
    ::= { pnSys3ConfigTrapItemVar 5 }

configItemPnSys3AuxInOpenState OBJECT-TYPE
    SYNTAX      DisplayString (SIZE (0..32))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Name of AUX input used in open state."
    ::= { pnSys3ConfigTrapItemVar 6 }

configItemPnSys3AuxInCloseState OBJECT-TYPE
    SYNTAX      DisplayString (SIZE (0..32))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Name of AUX input used in close state."
    ::= { pnSys3ConfigTrapItemVar 7 }

configItemPnSys3AuxInSeverity OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Severity when AUX Input is alarm.
                  Refer to SeverityValue of TEXTUAL-CONVENTION
                  FLAG=SUMMARY_AUX"
    ::= { pnSys3ConfigTrapItemVar 8 }

configItemPnSys3AuxInAlarmType OBJECT-TYPE
    SYNTAX      AlarmTypeValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Alarm Type when AUX Input is alarm.
                  Refer to AlarmTypeValue of TEXTUAL-CONVENTION"
    ::= { pnSys3ConfigTrapItemVar 9 }

configItemPnSys3AuxInProbableCause OBJECT-TYPE
    SYNTAX      ProbableCauseValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "ProbableCause when AUX Input is alarm.
                  Refer to ProbableCauseValue of TEXTUAL-CONVENTION"
    ::= { pnSys3ConfigTrapItemVar 10 }

configItemPnSys3AuxOutItemName OBJECT-TYPE
    SYNTAX      DisplayString (SIZE (0..32))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "AUX Input name."
    ::= { pnSys3ConfigTrapItemVar 11 }

configItemPnSys3AuxOutOpenState OBJECT-TYPE
    SYNTAX      DisplayString (SIZE (0..32))

```

```
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "Name of AUX output used in open state."
::= { pnSys3ConfigTrapItemVar 12 }
```

configItemPnSys3AuxOutCloseState OBJECT-TYPE	
SYNTAX	DisplayString (SIZE (0..32))
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Name of AUX output used in close state."
::= { pnSys3ConfigTrapItemVar 13 }	

```

configTrapPnSys3AuxInItemName TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        sys3PnTrapSequenceNumber,
        sys3PnTrapDate,
        sys3PnTrapTime,
        sys3PnTrapSource,
        configItemPnSys3AuxInItemName
    }
    DESCRIPTION "This trap is sent
        when AUX Input name status is changed."
::= 704

```

```

configTrapPnSys3AuxInItem    TRAP-TYPE
    ENTERPRISE                pasolinkNeoStd
    VARIABLES                  {
                                sys3PnTrapSequenceNumber,
                                sys3PnTrapDate,
                                sys3PnTrapTime,
                                sys3PnTrapSource,
                                configItemPnSys3AuxInItemType
                                }
    DESCRIPTION "This trap is sent
                when Configuration for AUX Input status is changed."
 ::= 705

```

```

configTrapPnSys3AuxInOpenState TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        sys3PnTrapSequenceNumber,
        sys3PnTrapDate,
        sys3PnTrapTime,
        sys3PnTrapSource,
        configItemPnSys3AuxInOpenState
    }
    DESCRIPTION "This trap is sent
        when Name when AUX Input is open status status is
changed."
 ::= 706

```

```
configTrapPnSys3AuxInCloseState TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        sys3PnTrapSequenceNumber,
        sys3PnTrapDate,
        sys3PnTrapTime,
        sys3PnTrapSource,
        configItemPnSys3AuxInCloseState
```

```

    }
    DESCRIPTION "This trap is sent
                  when Name when AUX Input is close status status is
changed."
    ::= 707

configTrapPnSys3AuxInSeverity TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        sys3PnTrapSequenceNumber,
        sys3PnTrapDate,
        sys3PnTrapTime,
        sys3PnTrapSource,
        configItemPnSys3AuxInSeverity
    }
    DESCRIPTION "This trap is sent
                  when Severity when AUX Input is alarm status is changed."
    ::= 708

configTrapPnSys3AuxInAlarmType TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        sys3PnTrapSequenceNumber,
        sys3PnTrapDate,
        sys3PnTrapTime,
        sys3PnTrapSource,
        configItemPnSys3AuxInAlarmType
    }
    DESCRIPTION "This trap is sent when Alarm Type when AUX Input is alarm status is
changed."
    ::= 709

configTrapPnSys3AuxInProbableCause TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        sys3PnTrapSequenceNumber,
        sys3PnTrapDate,
        sys3PnTrapTime,
        sys3PnTrapSource,
        configItemPnSys3AuxInProbableCause
    }
    DESCRIPTION "This trap is sent
                  when ProbableCause when AUX Input is alarm status is
changed."
    ::= 710

configTrapPnSys3AuxOutItemName TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        sys3PnTrapSequenceNumber,
        sys3PnTrapDate,
        sys3PnTrapTime,
        sys3PnTrapSource,
        configItemPnSys3AuxOutItemName
    }
    DESCRIPTION "This trap is sent
                  when AUX Input name status is changed."
    ::= 711

configTrapPnSys3AuxOutOpenState TRAP-TYPE

```

```

ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                sys3PnTrapSequenceNumber,
                sys3PnTrapDate,
                sys3PnTrapTime,
                sys3PnTrapSource,
                configItemPnSys3AuxOutOpenState
                }
DESCRIPTION "This trap is sent
changed."      when Name when AUX Output is open status status is
                ::= 712

configTrapPnSys3AuxOutCloseState TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                sys3PnTrapSequenceNumber,
                sys3PnTrapDate,
                sys3PnTrapTime,
                sys3PnTrapSource,
                configItemPnSys3AuxOutCloseState
                }
DESCRIPTION "This trap is sent
changed."      when Name when AUX Output is close status status is
                ::= 713

```

```

-----
-- pasoNeoSTD Group Definitions
-----

```

```

pnSummaryInfoGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 1 }

pnTrapGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 2 }

pnAlarmStatusGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 3 }

pnEquipmentSetUpGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 4 }

pnProvisioningGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 5 }

pnMaintenanceGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 6 }

pnInvEntryGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 7 }

pnMeteringGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 8 }

pnPmonGroup OBJECT IDENTIFIER
    ::= { pasolinkNeoStdInformation 9 }

pnPmonTxRxLevGroup OBJECT IDENTIFIER

```



```
::= { pasolinkNeoStdInformation 10 }
```

```
pnRmonGroup OBJECT IDENTIFIER
```

```
::= { pasolinkNeoStdInformation 11 }
```

```
pnGetMeasurementDataGroup OBJECT IDENTIFIER
```

```
::= { pasolinkNeoStdInformation 12 }
```

```
-----
-- pnSummaryInfoGroup Group Definitions
-----
```

```
pnSummaryItemTable OBJECT-TYPE
```

```
    SYNTAX          SEQUENCE OF PnSummaryItemEntry
```

```
    ACCESS          not-accessible
```

```
    STATUS          optional
```

```
    DESCRIPTION     "Summary Item Table"
```

```
::= { pnSummaryInfoGroup 1 }
```

```
pnSummaryItemEntry OBJECT-TYPE
```

```
    SYNTAX          PnSummaryItemEntry
```

```
    ACCESS          not-accessible
```

```
    STATUS          optional
```

```
    DESCRIPTION     "Summary Item Table Entry"
```

```
    INDEX          {
                        pnSummaryItemPasolIndex
                    }
```

```
::= { pnSummaryItemTable 1 }
```

```
PnSummaryItemEntry ::= SEQUENCE {
```

```
    pnSummaryItemPasolIndex    IpAddress,
    pnCtrlSummary              SeverityValue,
    pnAuxIOSummary              SeverityValue,
    pnLinkPMONSummary          SeverityValue,
    pnIntfc1Summary            SeverityValue,
    pnIntfc2Summary            SeverityValue
}
```

```
pnSummaryItemPasolIndex OBJECT-TYPE
```

```
    SYNTAX          IpAddress
```

```
    ACCESS          read-only
```

```
    STATUS          mandatory
```

```
    DESCRIPTION     "Pasolink IP Address Index"
```

```
::= { pnSummaryItemEntry 1 }
```

```
pnCtrlSummary OBJECT-TYPE
```

```
    SYNTAX          SeverityValue
```

```
    ACCESS          read-only
```

```
    STATUS          mandatory
```

```
    DESCRIPTION     "CTRL Summary
                    Refer to SeverityValue of TEXTUAL-CONVENTION
                    TRAP=partialSummaryTrapCTRL"
```

```
::= { pnSummaryItemEntry 2 }
```

```
pnAuxIOSummary OBJECT-TYPE
```

```
    SYNTAX          SeverityValue
```

```
    ACCESS          read-only
```

```
    STATUS          mandatory
```

```
    DESCRIPTION     "AUX IO Summary"
```

```

                                Refer to SeverityValue of TEXTUAL-CONVENTION
                                TRAP=partialSummaryTrapAux"
 ::= { pnSummaryItemEntry 3 }

pnLinkPMONSummary OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "Link Pmon Summary
                    Refer to SeverityValue of TEXTUAL-CONVENTION
                    TRAP=partialSummaryTrapLpm"
 ::= { pnSummaryItemEntry 4 }

pnIntfc1Summary OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "INTFC1 Summary
                    Refer to SeverityValue of TEXTUAL-CONVENTION
                    TRAP=partialSummaryTrapINTFC1"
 ::= { pnSummaryItemEntry 5 }

pnIntfc2Summary OBJECT-TYPE
    SYNTAX          SeverityValue
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "INTFC2 Summary
                    Refer to SeverityValue of TEXTUAL-CONVENTION
                    TRAP=partialSummaryTrapINTFC2"
 ::= { pnSummaryItemEntry 6 }

pnSummarySysInfoTable OBJECT-TYPE
    SYNTAX          SEQUENCE OF PnSummarySysInfoEntry
    ACCESS           not-accessible
    STATUS           mandatory
    DESCRIPTION     "Individual Summary"
 ::= { pnSummaryInfoGroup 2 }

pnSummarySysInfoEntry OBJECT-TYPE
    SYNTAX          PnSummarySysInfoEntry
    ACCESS           not-accessible
    STATUS           mandatory
    INDEX           {
                                pnSummarySysInfoPasoIndex,
                                pnSummarySysInfoIndex
                        }
 ::= { pnSummarySysInfoTable 1 }

PnSummarySysInfoEntry ::= SEQUENCE {
                                pnSummarySysInfoPasoIndex    IpAddress,
                                pnSummarySysInfoIndex         INTEGER,
                                pnTruSummary                  SeverityValue,
                                pnModemSummary                SeverityValue
                        }

pnSummarySysInfoPasoIndex OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS           read-only
    STATUS           mandatory
    DESCRIPTION     "Pasolink IP Address Index"

```

```
 ::= { pnSummarySysInfoEntry 1 }
```

```
pnSummarySysInfoIndex OBJECT-TYPE
```

```
SYNTAX          INTEGER{
                                no1-dirA(1),
                                no2-dirB(2)
                            }
```

```
ACCESS          read-only
```

```
STATUS          mandatory
```

```
DESCRIPTION     "No Index.
```

```
                1:No. 1/DIR-A
```

```
                2:No. 2/DIR-B
```

```
                *)No.2 is available for 1+1 system.
```

```
                *)DIR-A/B is available for 2-WAY system."
```

```
 ::= { pnSummarySysInfoEntry 2 }
```

```
pnTruSummary OBJECT-TYPE
```

```
SYNTAX          SeverityValue
```

```
ACCESS          read-only
```

```
STATUS          mandatory
```

```
DESCRIPTION     "TRU(ODU) Summary
```

```
                Refer to SeverityValue of TEXTUAL-CONVENTION
```

```
                TRAP=partialSummaryTrapTRU"
```

```
 ::= { pnSummarySysInfoEntry 3 }
```

```
pnModemSummary OBJECT-TYPE
```

```
SYNTAX          SeverityValue
```

```
ACCESS          read-only
```

```
STATUS          mandatory
```

```
DESCRIPTION     "Modem Summary
```

```
                Refer to SeverityValue of TEXTUAL-CONVENTION
```

```
                TRAP=partialSummaryTrapMODEM"
```

```
 ::= { pnSummarySysInfoEntry 4 }
```

```
-----
-- pnTrapGroup Group Definitions
-----
```

```
pnSTDTrapCommon OBJECT IDENTIFIER
```

```
 ::= { pnTrapGroup 1 }
```

```
pnSTDTrapGenericVars OBJECT IDENTIFIER
```

```
 ::= { pnSTDTrapCommon 1 }
```

```
pnTrapSequenceNumber OBJECT-TYPE
```

```
SYNTAX          Counter
```

```
ACCESS          read-only
```

```
STATUS          mandatory
```

```
DESCRIPTION     "Trap Sequence number(0..4294967295)"
```

```
 ::= { pnSTDTrapGenericVars 1 }
```

```
pnTrapDate OBJECT-TYPE
```

```
SYNTAX          DisplayString (SIZE(10))
```

```
ACCESS          read-only
```

```
STATUS          mandatory
```

```
DESCRIPTION     "Trap Generate Date
```

```
                This value shows YYYY/MM/DD.
```

```
                YYYY means 4-digit year.
```

MM means 2-digit month.
DD means 2-digit day."

::= { pnSTDTrapGenericVars 2 }

pnTrapTime OBJECT-TYPE

SYNTAX DisplayString(SIZE(8))
ACCESS read-only
STATUS mandatory
DESCRIPTION "Trap Generate Time
 This value shows hh:mm:ss.
 hh means 2-digit hour.
 mm means 2-digit minute.
 ss means 2-digit second."

::= { pnSTDTrapGenericVars 3 }

pnTrapSource OBJECT-TYPE

SYNTAX OBJECT IDENTIFIER
ACCESS read-only
STATUS mandatory
DESCRIPTION "TRAP Source"
::= { pnSTDTrapGenericVars 4 }

pnSTDTrapX733Vars OBJECT IDENTIFIER

::= { pnSTDTrapCommon 2 }

pnSeverity OBJECT-TYPE

SYNTAX SeverityValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "Severity (CCITT Rec. X.733)
 Refer to SeverityValue of TEXTUAL-CONVENTION"
::= { pnSTDTrapX733Vars 1 }

pnAlarmType OBJECT-TYPE

SYNTAX AlarmTypeValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "Alarm Type (CCITT Rec. X.733)
 Refer to AlarmTypeValue of TEXTUAL-CONVENTION"
::= { pnSTDTrapX733Vars 2 }

pnProbableCause OBJECT-TYPE

SYNTAX ProbableCauseValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "Probable Cause (CCITT Rec. X.733)
 Refer to ProbableCauseValue of TEXTUAL-CONVENTION"
::= { pnSTDTrapX733Vars 3 }

pnSTDTrapItem Type OBJECT IDENTIFIER

::= { pnTrapGroup 2 }

pnSTDStatusTrapItem Type OBJECT IDENTIFIER

::= { pnSTDTrapItem Type 1 }

pnStatusTypeAux OBJECT-TYPE

SYNTAX INTEGER (0..3)
ACCESS read-only
STATUS mandatory
DESCRIPTION "Aux Status Type"

```

Invalid(0),
Alarm In Open state(1),
Alarm In Close state(2),
Status(3)"
::= { pnSTDStatusTrapItem Type 1 }

pnStatusTypeAis OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "AIS Status Type
                Invalid(0),
                Alarm Type(1),
                Status Type(2)"
    ::= { pnSTDStatusTrapItem Type 2 }

pnSTDTrapItemVar OBJECT IDENTIFIER
    ::= { pnTrapGroup 3 }

pnSTDPartialSummaryTrapItemVar OBJECT IDENTIFIER
    ::= { pnSTDTrapItemVar 1 }

partialSummaryItemTRU OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "TRU Summary
                Refer to SeverityValue of TEXTUAL-CONVENTION"
    ::= { pnSTDPartialSummaryTrapItemVar 1 }

partialSummaryItemINTFC1 OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "INTFC1 Summary
                Refer to SeverityValue of TEXTUAL-CONVENTION"
    ::= { pnSTDPartialSummaryTrapItemVar 2 }

partialSummaryItemCTRL OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "CTRL Summary
                Refer to SeverityValue of TEXTUAL-CONVENTION"
    ::= { pnSTDPartialSummaryTrapItemVar 3 }

partialSummaryItemAux OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "AUX Summary
                Refer to SeverityValue of TEXTUAL-CONVENTION"
    ::= { pnSTDPartialSummaryTrapItemVar 4 }

partialSummaryItemLpm OBJECT-TYPE
    SYNTAX      SeverityValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "LPM(Link Performance Monitor) Summary
                Refer to SeverityValue of TEXTUAL-CONVENTION"

```

::= { pnSTDPartialSummaryTrapItemVar 5 }

partialSummaryItemINTFC2 OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "INTFC2 Summary

Refer to SeverityValue of TEXTUAL-CONVENTION"

::= { pnSTDPartialSummaryTrapItemVar 6 }

partialSummaryItemMODEM OBJECT-TYPE

SYNTAX SeverityValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "MODEM Summary

Refer to SeverityValue of TEXTUAL-CONVENTION"

::= { pnSTDPartialSummaryTrapItemVar 7 }

pnSTDAAlarmTrapItemVar OBJECT IDENTIFIER

::= { pnSTDTrapItemVar 2 }

alarmItemPnSTDtxPowerAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX POWER

Refer to NormalAlarmValue of TEXTUAL-CONVENTION

FLAG=SUMMARY_TRU

severity=major

alarmType=equipmentAlarm

probableCause=transmitterFailure"

::= { pnSTDAAlarmTrapItemVar 1 }

alarmItemPnSTDtxInputAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX INPUT

Refer to NormalAlarmValue of TEXTUAL-CONVENTION

FLAG=SUMMARY_TRU

severity=major

alarmType=equipmentAlarm

probableCause=transmitterFailure"

::= { pnSTDAAlarmTrapItemVar 2 }

alarmItemPnSTDRxLevelAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "RX LEVEL

Refer to NormalAlarmValue of TEXTUAL-CONVENTION

FLAG=SUMMARY_TRU

severity=major

alarmType=communicationsAlarm

probableCause=receiverFailure"

::= { pnSTDAAlarmTrapItemVar 3 }

alarmItemPnSTDapcAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue

ACCESS read-only

STATUS mandatory
 DESCRIPTION "APC
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_TRU
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 4 }

alarmItemPnSTDTRUCPUAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU CPU/CABLE OPEN
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_TRU
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 5 }

alarmItemPnSTDModemAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MODEM MODULE
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_MODEM
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 6 }

alarmItemPnSTDModemUneq OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MODEM UNEQUIPPED
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_MODEM
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 7 }

alarmItemPnSTDHighBERAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "HIGH BER
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_MODEM
 severity=major
 alarmType=qualityOfServiceAlarm
 probableCause=excessiveBER"
 ::= { pnSTDAAlarmTrapItemVar 8 }

alarmItemPnSTDLowBERAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only

STATUS	mandatory	
DESCRIPTION	"LOW BER	
		Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_MODEM severity=minor alarmType=qualityOfServiceAlarm probableCause=degradedSignal"
::= { pnSTDArmTrapItemVar 9 }		
alarmItemPnSTDMoAlarm OBJECT-TYPE		
SYNTAX	NormalAlarmValue	
ACCESS	read-only	
STATUS	mandatory	
DESCRIPTION	"MOD	
		Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_MODEM severity=major alarmType=equipmentAlarm probableCause=transmitterFailure"
::= { pnSTDArmTrapItemVar 10 }		
alarmItemPnSTDDemAlarm OBJECT-TYPE		
SYNTAX	NormalAlarmValue	
ACCESS	read-only	
STATUS	mandatory	
DESCRIPTION	"DEM	
		Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_MODEM severity=major alarmType=communicationsAlarm probableCause=receiverFailure"
::= { pnSTDArmTrapItemVar 11 }		
alarmItemPnSTDxIfLevelAlarm OBJECT-TYPE		
SYNTAX	NormalAlarmValue	
ACCESS	read-only	
STATUS	mandatory	
DESCRIPTION	"XIF	
		Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_MODEM severity=major alarmType=communicationsAlarm probableCause=lossOfSignal"
::= { pnSTDArmTrapItemVar 12 }		
alarmItemPnSTDxContAlarm OBJECT-TYPE		
SYNTAX	NormalAlarmValue	
ACCESS	read-only	
STATUS	mandatory	
DESCRIPTION	"This item is not used. XCTRL	
		Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_MODEM severity=major alarmType=equipmentAlarm probableCause=equipmentMalfunction"
::= { pnSTDArmTrapItemVar 13 }		
alarmItemPnSTDPSAlarm OBJECT-TYPE		
SYNTAX	NormalAlarmValue	

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "POWER SUPPLY
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_MODEM
 severity=major
 alarmType=equipmentAlarm
 probableCause=powerProblem"
 ::= { pnSTDArmTrapItemVar 14 }

alarmItemPnSTDIfCableShort OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "IF CABLE SHORT
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_MODEM
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDArmTrapItemVar 15 }

alarmItemPnSTDLoF OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LOF
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_MODEM
 severity=major
 alarmType=communicationsAlarm
 probableCause=lossOfFrame"
 ::= { pnSTDArmTrapItemVar 16 }

alarmItemPnSTDCableEQLAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CABLE EQL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_MODEM
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDArmTrapItemVar 17 }

alarmItemPnSTDXRefAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "XREF
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_MODEM
 severity=minor
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDArmTrapItemVar 18 }

alarmItemPnSTDIntfcMAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(1) MODULE
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 19 }

alarmItemPnSTDIntfcMUneq OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(1) UNEQUIPPED
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 20 }

alarmItemPnSTDInputLos OBJECT-TYPE
 SYNTAX OCTET STRING (SIZE (6))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INPUT LOS CHxx / WS INPUT LOS
 (xx : 01-48)
 0:Normal,
 1:Alarm

 [Bit Description]
 Bit0 = CH01 / WS INPUT LOS (0: Normal, 1: Alarm)
 Bit1 = CH02
 Bit2 = CH03
 ...
 Bit46 = CH47
 Bit47 = CH48
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=communicationsAlarm
 probableCause=lossOfSignal
 INPUT LOS CHxx is available in PDH system.
 WS INPUT LOS is available in GbE over STM-1(VLAN) interface."
 ::= { pnSTDAAlarmTrapItemVar 21 }

alarmItemPnSTDLosMUXWork OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) LOS(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=communicationsAlarm
 probableCause=lossOfSignal"
 ::= { pnSTDAAlarmTrapItemVar 23 }

alarmItemPnSTDLosDMRWork OBJECT-TYPE
 SYNTAX NormalAlarmValue

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) LOS(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=communicationsAlarm
 probableCause=lossOfSignal"
 ::= { pnSTDAAlarmTrapItemVar 24 }

alarmItemPnSTDUsageError OBJECT-TYPE
 SYNTAX OCTET STRING (SIZE (6))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "USAGE ERROR CHxx
 (xx : 01-48)
 0:Normal,
 1:Alarm

 [Bit Description]
 Bit0 = CH01 (0: Normal,1: Alarm)
 Bit1 = CH02
 Bit2 = CH03
 ...
 Bit46 = CH47
 Bit47 = CH48
 FLAG=SUMMARY_INTFC1
 severity=minor
 alarmType=operationalViolationAlarm
 probableCause=callSetUpFailure"
 ::= { pnSTDAAlarmTrapItemVar 25 }

alarmItemPnSTDLink OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LAN LINK PORTx
 (x : 1-4)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=communicationsAlarm
 probableCause=LANError"
 ::= { pnSTDAAlarmTrapItemVar 26 }

alarmItemPnSTDEBERMUXWork OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) E-BER(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=qualityOfServiceAlarm
 probableCause=excessiveBER"
 ::= { pnSTDAAlarmTrapItemVar 28 }

alarmItemPnSTDEBERDMRWork OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only

STATUS mandatory
 DESCRIPTION "STM-1(1) E-BER(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=qualityOfServiceAlarm
 probableCause=excessiveBER"
 ::= { pnSTDAAlarmTrapItemVar 29 }

alarmItemPnSTDSDMUXWork OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) SD(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=degradedSignal"
 ::= { pnSTDAAlarmTrapItemVar 30 }

alarmItemPnSTDSDDMRWork OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) SD(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC1
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=degradedSignal"
 ::= { pnSTDAAlarmTrapItemVar 31 }

alarmItemPnSTDIntfcSAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) MODULE
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 32 }

alarmItemPnSTDIntfcSUneq OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) UNEQUIPPED
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 33 }

alarmItemPnSTDLosMUXProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only

STATUS mandatory
 DESCRIPTION "STM-1(2) LOS(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=major
 alarmType=communicationsAlarm
 probableCause=lossOfSignal"
 ::= { pnSTDArmTrapItemVar 34 }

alarmItemPnSTDEBERMUXProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) E-BER(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=major
 alarmType=qualityOfServiceAlarm
 probableCause=excessiveBER"
 ::= { pnSTDArmTrapItemVar 35 }

alarmItemPnSTDEBERDMRProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) E-BER(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=major
 alarmType=qualityOfServiceAlarm
 probableCause=excessiveBER"
 ::= { pnSTDArmTrapItemVar 36 }

alarmItemPnSTDSDMUXProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) SD(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=degradedSignal"
 ::= { pnSTDArmTrapItemVar 37 }

alarmItemPnSTDSDDMRProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) SD(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=degradedSignal"
 ::= { pnSTDArmTrapItemVar 38 }

alarmItemPnSTDWSLos OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only

STATUS mandatory
 DESCRIPTION "WS INPUT LOS
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=minor
 alarmType=communicationsAlarm
 probableCause=lossOfSignal"
 ::= { pnSTDAAlarmTrapItemVar 39 }

alarmItemPnSTDSClanLink OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) LAN LINK PORTx
 (x : 1-2)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_INTFC2
 severity=minor
 alarmType=communicationsAlarm
 probableCause=LANError"
 ::= { pnSTDAAlarmTrapItemVar 40 }

alarmItemPnSTDCTRLAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CTRL MODULE
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_CTRL
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 42 }

alarmItemPnSTDAPSSWFail OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "APS SW FAIL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_CTRL
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 44 }

alarmItemPnSTDTCn15minTotalOFS OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-OFS-15min TOTAL
 TCN-OFS-15min(DIR-A) TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_LPM
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=thresholdCrossed"
 ::= { pnSTDAAlarmTrapItemVar 46 }

alarmItemPnSTDTCn15minTotalUAS OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"TCN-UAS-15min TOTAL TCN-UAS-15min(DIR-A) TOTAL Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_LPM severity=minor alarmType=qualityOfServiceAlarm probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 47 }

alarmItemPnSTDTcn15minTotalES OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"TCN-ES-15min TOTAL TCN-ES-15min(DIR-A) TOTAL Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_LPM severity=minor alarmType=qualityOfServiceAlarm probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 48 }

alarmItemPnSTDTcn15minTotalSES OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"TCN-SES-15min TOTAL TCN-SES-15min(DIR-A) TOTAL Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_LPM severity=minor alarmType=qualityOfServiceAlarm probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 49 }

alarmItemPnSTDTcn15minTotalBBE OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"TCN-BBE-15min TOTAL TCN-BBE-15min(DIR-A) TOTAL Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_LPM severity=minor alarmType=qualityOfServiceAlarm probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 50 }

alarmItemPnSTDTcn15minTotalSEP OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"TCN-SEP-15min TOTAL TCN-SEP-15min(DIR-A) TOTAL Refer to NormalAlarmValue of TEXTUAL-CONVENTION FLAG=SUMMARY_LPM severity=minor"

alarmType=qualityOfServiceAlarm
 probableCause=thresholdCrossed"
 ::= { pnSTDAAlarmTrapItemVar 51 }

alarmItemPnSTDTCn15minCHUAS OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-UAS-15min CHxx

(xx : 1-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH

Bit 3 = 4th Selected CH

FLAG=SUMMARY_LPM

severity=minor

alarmType=qualityOfServiceAlarm

probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 53 }

alarmItemPnSTDTCn15minCHES OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-ES-15min CHxx

(xx : 1-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH

Bit 3 = 4th Selected CH

FLAG=SUMMARY_LPM

severity=minor

alarmType=qualityOfServiceAlarm

probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 54 }

alarmItemPnSTDTCn15minCHSES OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-SES-15min CHxx

(xx : 1-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH


```

        Bit 3 = 4th Selected CH
        FLAG=SUMMARY_LPM
        severity=minor
        alarmType=qualityOfServiceAlarm
        probableCause=thresholdCrossed"
 ::= { pnSTDAAlarmTrapItemVar 55 }

alarmItemPnSTDTCn15minCHBBE OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (1))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "This item is not used.
                TCN-BBE-15min CHxx
                (xx : 1-48 only selected 4ch.)
                0:Normal,
                1:Alarm

                [Description]
                Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
                Bit 1 = 2nd Selected CH
                Bit 2 = 3rd Selected CH
                Bit 3 = 4th Selected CH
                FLAG=SUMMARY_LPM
                severity=minor
                alarmType=qualityOfServiceAlarm
                probableCause=thresholdCrossed"
 ::= { pnSTDAAlarmTrapItemVar 56 }

alarmItemPnSTDTCn15minCHSEP OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (1))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "This item is not used.
                TCN-SEP-15min CHxx
                (xx : 1-48 only selected 4ch.)
                0:Normal,
                1:Alarm

                [Description]
                Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
                Bit 1 = 2nd Selected CH
                Bit 2 = 3rd Selected CH
                Bit 3 = 4th Selected CH
                FLAG=SUMMARY_LPM
                severity=minor
                alarmType=qualityOfServiceAlarm
                probableCause=thresholdCrossed"
 ::= { pnSTDAAlarmTrapItemVar 57 }

alarmItemPnSTDTCn1dayTotalOFS OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "TCN-OFS-1day TOTAL
                TCN-OFS-1day(DIR-A) TOTAL
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                FLAG=SUMMARY_LPM
                severity=minor
                alarmType=qualityOfServiceAlarm
                probableCause=thresholdCrossed"

```

::= { pnSTDAAlarmTrapItemVar 58 }

alarmItemPnSTDTCn1dayTotalUAS OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-UAS-1day TOTAL
 TCN-UAS-1day(DIR-A) TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_LPM
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 59 }

alarmItemPnSTDTCn1dayTotalES OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-ES-1day TOTAL
 TCN-ES-1day(DIR-A) TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_LPM
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 60 }

alarmItemPnSTDTCn1dayTotalSES OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-SES-1day TOTAL
 TCN-SES-1day(DIR-A) TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_LPM
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 61 }

alarmItemPnSTDTCn1dayTotalBBE OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-BBE-1day TOTAL
 TCN-BBE-1day(DIR-A) TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_LPM
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 62 }

alarmItemPnSTDTCn1dayTotalSEP OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-SEP-1day TOTAL
 TCN-SEP-1day(DIR-A) TOTAL"

Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 FLAG=SUMMARY_LPM
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 63 }

alarmItemPnSTDTcn1dayCHUAS OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-UAS-1day CHxx

(xx : 1-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH

Bit 3 = 4th Selected CH

FLAG=SUMMARY_LPM

severity=minor

alarmType=qualityOfServiceAlarm

probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 65 }

alarmItemPnSTDTcn1dayCHES OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-ES-1day CHxx

(xx : 1-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH

Bit 3 = 4th Selected CH

FLAG=SUMMARY_LPM

severity=minor

alarmType=qualityOfServiceAlarm

probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 66 }

alarmItemPnSTDTcn1dayCHSES OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-SES-1day CHxx

(xx : 1-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
 Bit 1 = 2nd Selected CH
 Bit 2 = 3rd Selected CH
 Bit 3 = 4th Selected CH
 FLAG=SUMMARY_LPM
 severity=minor
 alarmType=qualityOfServiceAlarm
 probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 67 }

alarmItemPnSTDTCn1dayCHBBE OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-BBE-1day CHxx

(xx : 1-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH

Bit 3 = 4th Selected CH

FLAG=SUMMARY_LPM

severity=minor

alarmType=qualityOfServiceAlarm

probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 68 }

alarmItemPnSTDTCn1dayCHSEP OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-SEP-1day CHxx

(xx : 1-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH

Bit 3 = 4th Selected CH

FLAG=SUMMARY_LPM

severity=minor

alarmType=qualityOfServiceAlarm

probableCause=thresholdCrossed"

::= { pnSTDAAlarmTrapItemVar 69 }

alarmItemPnSTDTCnUAEDMRWork OBJECT-TYPE

SYNTAX NormalAlarmValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "INTFC(1) Unavailable Event(DMR)

Refer to NormalAlarmValue of TEXTUAL-CONVENTION

FLAG=SUMMARY_LPM

severity=minor

alarmType=qualityOfServiceAlarm
probableCause=thresholdCrossed"
::= { pnSTDAAlarmTrapItemVar 70 }

alarmItemPnSTDTCnUAEDMRProt OBJECT-TYPE
SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "INTFC(2) Unavailable Event(DMR)
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
FLAG=SUMMARY_LPM
severity=minor
alarmType=qualityOfServiceAlarm
probableCause=thresholdCrossed"
::= { pnSTDAAlarmTrapItemVar 71 }

alarmItemPnSTDTCnTCS15minRxLev OBJECT-TYPE
SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "TCN-RX LEV-15min
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
FLAG=SUMMARY_LPM
severity=minor
alarmType=qualityOfServiceAlarm
probableCause=thresholdCrossed"
::= { pnSTDAAlarmTrapItemVar 72 }

alarmItemPnSTDTCnTCS1dayRxLev OBJECT-TYPE
SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "TCN-RX LEV-1day
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
FLAG=SUMMARY_LPM
severity=minor
alarmType=qualityOfServiceAlarm
probableCause=thresholdCrossed"
::= { pnSTDAAlarmTrapItemVar 73 }

alarmItemPnSTDTRULORefAlarm OBJECT-TYPE
SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "LO REF
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
FLAG=SUMMARY_TRU
severity=minor
alarmType=equipmentAlarm
probableCause=equipmentMalfunction"
::= { pnSTDAAlarmTrapItemVar 74 }

alarmItemPnSTDLOfMUXWork OBJECT-TYPE
SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "STM-1(1) LOF(MUX)
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
FLAG=SUMMARY_INTFC1
severity=major

```

alarmType=communicationsAlarm
probableCause=lossOfFrame"
::= { pnSTDAAlarmTrapItemVar 75 }

alarmItemPnSTDLofDMRWork OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "STM-1(1) LOF(DMR)
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                FLAG=SUMMARY_INTFC1
                severity=major
                alarmType=communicationsAlarm
                probableCause=lossOfFrame"
    ::= { pnSTDAAlarmTrapItemVar 76 }

alarmItemPnSTDLosDMRProt OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "STM-1(2) LOS(DMR)
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                FLAG=SUMMARY_INTFC2
                severity=major
                alarmType=communicationsAlarm
                probableCause=lossOfSignal"
    ::= { pnSTDAAlarmTrapItemVar 77 }

alarmItemPnSTDLofMUXProt OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "STM-1(2) LOF(MUX)
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                FLAG=SUMMARY_INTFC2
                severity=major
                alarmType=communicationsAlarm
                probableCause=lossOfFrame"
    ::= { pnSTDAAlarmTrapItemVar 78 }

alarmItemPnSTDLofDMRProt OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "STM-1(2) LOF(DMR)
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                FLAG=SUMMARY_INTFC2
                severity=major
                alarmType=communicationsAlarm
                probableCause=lossOfFrame"
    ::= { pnSTDAAlarmTrapItemVar 79 }

alarmItemPnSTDStm1TFWorkAlarm OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "INTFC(1) TF
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                FLAG=SUMMARY_INTFC1
                severity=major

```

```

                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 80 }

alarmItemPnSTDSm1TFProtAlarm OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "INTFC(2) TF
                    Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                    FLAG=SUMMARY_INTFC2
                    severity=major
                    alarmType=equipmentAlarm
                    probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 81 }

alarmItemPnSTDTCnUAEMUXWork OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "STM-1(1) Unavailable Event(MUX)
                    Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                    FLAG=SUMMARY_LPM
                    severity=minor
                    alarmType=qualityOfServiceAlarm
                    probableCause=thresholdCrossed"
 ::= { pnSTDAAlarmTrapItemVar 82 }

alarmItemPnSTDTCnUAEMUXProt OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "STM-1(2) UAE(MUX)
                    Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                    FLAG=SUMMARY_LPM
                    severity=minor
                    alarmType=qualityOfServiceAlarm
                    probableCause=thresholdCrossed"
 ::= { pnSTDAAlarmTrapItemVar 83 }

alarmItemPnSTDAuxClusterAlarm OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "This item is not used.
                    CLUSTERx ALARM
                    (x : 1-4)
                    Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                    FLAG=SUMMARY_AUX
                    severity=major
                    alarmType=equipmentAlarm
                    probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 84 }

alarmItemPnSTDLinearizerFail OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "LINEARIZER / MODEM LINEARIZER
                    Refer to NormalAlarmValue of TEXTUAL-CONVENTION

```

```

                                FLAG=SUMMARY_MODEM
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 85 }

alarmItemPnSTDRouteID OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "FRAME ID
                                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                                FLAG=SUMMARY_MODEM
                                severity=major
                                alarmType=communicationsAlarm
                                probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 86 }

alarmItemPnSTDEarlyWarning OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "EARLY WARNING
                                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                                FLAG=SUMMARY_MODEM
                                severity=minor
                                alarmType=qualityOfServiceAlarm
                                probableCause=degradedSignal"
 ::= { pnSTDAAlarmTrapItemVar 87 }

alarmItemPnSTDInputVoltage OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "INPUT VOLTAGE
                                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                                FLAG=SUMMARY_MODEM
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=powerProblem"
 ::= { pnSTDAAlarmTrapItemVar 88 }

alarmItemPnSTDIntfcMTypeMismatch OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "INTFC(1) TYPE MISMATCH
                                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                                FLAG=SUMMARY_INTFC1
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 89 }

alarmItemPnSTDIntfcSTypeMismatch OBJECT-TYPE
    SYNTAX          NormalAlarmValue
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "INTFC(2) TYPE MISMATCH
                                Refer to NormalAlarmValue of TEXTUAL-CONVENTION

```



```

                                FLAG=SUMMARY_INTFC2
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 90 }

alarmItemPnSTDXpicModeMismatch OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "XPIC MODE MISMATCH
                                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                                FLAG=SUMMARY_CTRL
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 91 }

alarmItemPnSTDXControlAlarm OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "XPIC CTRL Alarm
                                FLAG=SUMMARY_CTRL
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 92 }

alarmItemPnSTDGbELink OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "GbE LAN Link Port
                                FLAG=SUMMARY_INTFC1
                                severity=major
                                alarmType=communicationsAlarm
                                probableCause=LANError"
 ::= { pnSTDAAlarmTrapItemVar 93 }

alarmItemPnSTDModemTypeMismatch OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Modem Type Mismatch
                                FLAG=SUMMARY_MODEM
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"
 ::= { pnSTDAAlarmTrapItemVar 94 }

alarmItemPnSTDTRUTypeMismatch OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "ODU Type Mismatch
                                FLAG=SUMMARY_TRU
                                severity=major
                                alarmType=equipmentAlarm
                                probableCause=equipmentMalfunction"

```

::= { pnSTDAAlarmTrapItemVar 95 }

alarmItemPnSTDStackConnection OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "StackConnection
 FLAG=SUMMARY_INTFC1
 severity=major
 alarmType=communicationsAlarm
 probableCause=equipmentMalfunction"

::= { pnSTDAAlarmTrapItemVar 96 }

alarmItemPnSTDTRULinearizer OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU Linearizer
 FLAG=SUMMARY_TRU
 severity=major
 alarmType=equipmentAlarm
 probableCause=equipmentMalfunction"

::= { pnSTDAAlarmTrapItemVar 99 }

pnSTDEventTrapItemVar OBJECT IDENTIFIER

::= { pnSTDTrapItemVar 3 }

eventItemPnSTDConfigDataValid OBJECT-TYPE

SYNTAX INTEGER(0..1)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "EQUIPMENT CONFIG AVAILABILITY
 0:Invalid,
 1:Valid"

::= { pnSTDEventTrapItemVar 1 }

eventItemPnSTDConfigDataUp OBJECT-TYPE

SYNTAX INTEGER
 ACCESS read-only
 STATUS mandatory
 ::= { pnSTDEventTrapItemVar 2 }

eventItemPnSTDtxMuteStatus OBJECT-TYPE

SYNTAX OffOnValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MUTE STATUS
 Refer to OffOnValue of TEXTUAL-CONVENTION"

::= { pnSTDEventTrapItemVar 3 }

eventItemPnSTDtxSWStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW STATUS
 0:Invalid,
 1:No.1,
 2:No.2"

::= { pnSTDEventTrapItemVar 4 }

eventItemPnSTDRxSWStatus OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "RX SW STATUS
 0:Invalid,
 1:No.1,
 2:No.2"
 ::= { pnSTDEventTrapItemVar 5 }

eventItemPnSTDXPICFuncStatus OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "XPIC STATUS
 0:Invalid,
 1:Normal,
 2:Reset"
 ::= { pnSTDEventTrapItemVar 6 }

eventItemPnSTDLinearizerFunc OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LINEARIZER FUNCTION
 0:Invalid,
 1:N/A,
 2:Non Operation,
 3:Operation"
 ::= { pnSTDEventTrapItemVar 7 }

eventItemPnSTDFadeDepthStatus OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 0:Invalid,
 1:Normal,
 2:Occurred"
 ::= { pnSTDEventTrapItemVar 8 }

eventItemPnSTDSTM1OutContWork OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) OUTPUT CONTROL
 0:Invalid,
 1:Normal,
 2:Under Execution"
 ::= { pnSTDEventTrapItemVar 9 }

eventItemPnSTDAisGeneratedCH OBJECT-TYPE
 SYNTAX OCTET STRING (SIZE (6))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AIS GENERATED CHxx / WS AIS GENERATED
 (xx : 01-48)
 0:Normal,
 1:Generated

[Bit Description]

Bit0 = CH01 / WS AIS GENERATED (0: Normal,1: Alarm)

Bit1 = CH02

Bit2 = CH03

...

Bit46 = CH47

Bit47 = CH48

AIS GENERATED CHxx is available in PDH system.

WS AIS GENERATED is available in GbE over STM-1(VLAN) interface."

::= { pnSTDEventTrapItemVar 10 }

eventItemPnSTDAisReceivedCH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))

ACCESS read-only

STATUS mandatory

DESCRIPTION "AIS RECEIVED CHxx / WS AIS RECEIVED

(xx : 01-48)

0:Normal,

1:Received

[Bit Description]

Bit0 = CH01 / WS AIS RECEIVED (0: Normal,1: Alarm)

Bit1 = CH02

Bit2 = CH03

...

Bit46 = CH47

Bit47 = CH48

AIS RECEIVED CHxx is available in PDH system.

WS AIS RECEIVED is available in GbE over STM-1(VLAN) interface."

::= { pnSTDEventTrapItemVar 11 }

eventItemPnSTDLinkLossForward OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "LINK LOSS FORWARDING PORTx

(x : 1-4)

0:Invalid,

1:Normal,

2:Under Execution"

::= { pnSTDEventTrapItemVar 12 }

eventItemPnSTDSpeedDuplex OBJECT-TYPE

SYNTAX INTEGER (0..8)

ACCESS read-only

STATUS mandatory

DESCRIPTION "SPEED & DUPLEX PORTx

(x : 1-4)

0:INVALID,

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)"

::= { pnSTDEventTrapItemVar 13 }

eventItemPnSTDInphaseWork OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(1) INPHASE
 0:Invalid,
 1:Out Phase,
 2:In Phase"
 ::= { pnSTDEventTrapItemVar 14 }

eventItemPnSTDSTM1OutContProt OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) OUTPUT CONTROL
 0:Invalid,
 1:Normal,
 2:Under Execution"
 ::= { pnSTDEventTrapItemVar 15 }

eventItemPnSTDInphaseProt OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) INPHASE
 0:Invalid,
 1:Out Phase,
 2:In Phase"
 ::= { pnSTDEventTrapItemVar 16 }

eventItemPnSTDWSAisGeneratedCH OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "WS AIS GENERATED
 0:Invalid,
 1:Normal,
 2:Generated"
 ::= { pnSTDEventTrapItemVar 17 }

eventItemPnSTDWSAisReceivedCH OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "WS AIS RECEIVED
 0:Invalid,
 1:Normal,
 2:Received"
 ::= { pnSTDEventTrapItemVar 18 }

eventItemPnSTDSClanLinkLossForward OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) LINK LOSS FORWARDINGx
 (x : 1-2)
 0:Invalid,
 1:Normal,
 2:Under Execution"
 ::= { pnSTDEventTrapItemVar 19 }

eventItemPnSTDSClanSpeedDuplex OBJECT-TYPE

SYNTAX INTEGER (0..8)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) SPEED & DUPLEX PORTx
 (x : 1-2)
 0:INVALID,
 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)"
 ::= { pnSTDEventTrapItemVar 20 }

eventItemPnSTDCHUsage OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (48))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CH USAGE(CHxx)
 xx=01-48
 0:Invalid,
 1:Not Used,
 2:Used
 3:Used(LAN)

[Description]

Byte 0 = CH01(0:Invalid, 1:Not Used, 2:Used,

3:Used(LAN))

Byte 1 = CH02

...

Byte 46 = CH47

Byte 47 = CH48"

::= { pnSTDEventTrapItemVar 21 }

eventItemPnSTDCHCondition OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CH USAGE ERROR REPORT
 0:Invalid,
 1:Disabled(Report),
 2:Enabled(Not Report)

AIS Activation Condition

0:Invalid,

1:LOF+HIGH BER,

2:LOF

AIS ACTIVATION DELAY -- Not Used

0:Invalid,

1:Off,

2:On

AIS GENERATED REPORT

0:Invalid,

1:Not Report,

2:Report

AIS RECEIVED REPORT

0:Invalid,
1:Not Report,
2:Report

AIS RECEIVED CONDITION

0:Invalid,
1:Alarm,
2:Status"

::= { pnSTDEventTrapItemVar 22 }

eventItemPnSTDCHImpedance OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (10))

ACCESS read-only

STATUS mandatory

DESCRIPTION "E1 PORT IMPEDANCE

0:Invalid,
1:120[ohm],
2:75[ohm]

[Description]

1:120[ohm], 2:75[ohm])
BYTE0 = E1 PORT IMPEDANCE(CH01) (0:Invalid,

BYTE1 = E1 PORT IMPEDANCE(CH02)

BYTE2 = E1 PORT IMPEDANCE(CH03)

BYTE3 = E1 PORT IMPEDANCE(CH04)

BYTE4 = E1 PORT IMPEDANCE(CH05-08)

BYTE5 = E1 PORT IMPEDANCE(CH09-16)

BYTE6 = E1 PORT IMPEDANCE(CH17-24)

BYTE7 = E1 PORT IMPEDANCE(CH25-32)

BYTE8 = E1 PORT IMPEDANCE(CH33-40)

BYTE9 = E1 PORT IMPEDANCE(CH41-48)

"

::= { pnSTDEventTrapItemVar 23 }

eventItemPnSTDMSAisGeneration OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "MS-AIS GENERATION

0:Invalid,
1:Disabled,
2:Enabled"

::= { pnSTDEventTrapItemVar 24 }

eventItemPnSTDDxcFunction OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "DXC FUNCTION

0:Invalid,
1:Unavailable,
2:Available"

::= { pnSTDEventTrapItemVar 25 }

eventItemPnSTDDxcCHSetting OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (156))

ACCESS read-only

STATUS mandatory
 DESCRIPTION "DXC CH Setting
 [Description]
 Byte 0 = CH01
 ...
 Byte 47 = CH48
 Byte 52 = DIR-A CH01 Setting
 ...
 Byte 99 = DIR-A CH48 Setting
 Byte 104 = DIR-B CH01 Setting
 ...
 Byte 151 = DIR-B CH48 Setting
 Bit 0-5 (000000=Invalid, 000001=CH1,...,110000=CH48)
 Bit 6-7 (00=LINE,01=DIR-A,10=DIR-B,11=LAN)"

::= { pnSTDEventTrapItemVar 26 }

eventItemPnSTDDxcAssign OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (48))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.
 DXC ASSIGNMENT CHANGED

0:INVALID,

1:PORT1,

2:PORT2,

...

47:PORT47,

48:PORT48

[Description]

Byte 0 = CH01 (0:Invalid, X:Port X, x=1~48)

Byte 1 = CH02

...

Byte 46 = CH47

Byte 47 = CH48"

::= { pnSTDEventTrapItemVar 27 }

eventItemPnSTDBERThreshold OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (8))

ACCESS read-only

STATUS mandatory

DESCRIPTION "BER THRESHOLD SETTING

[Description]

Byte 0 = HIGH BER THRESHOLD/HIGH BER

THRESHOLD(DIR-A)

(0:INVALID, 1:1E-3, 2:1E-4, 3:1E-5)

Byte 1 = HIGH BER THRESHOLD(DIR-B)

(0:INVALID, 1:1E-3, 2:1E-4, 3:1E-5)

Byte 2 = LOW BER THRESHOLD/LOW BER

THRESHOLD(DIR-A)

(0:INVALID, 1:1E-6, 2:1E-7, 3:1E-8, 4:1E-9)

Byte 3 = LOW BER THRESHOLD(DIR-B)

(0:INVALID, 1:1E-6, 2:1E-7, 3:1E-8, 4:1E-9)

Byte 4 = E-BER(DMR)

(0:INVALID, 1:1E-3, 2:1E-4, 3:1E-5)

Byte 5 = SD(DMR)

(0:INVALID, 1:1E-6, 2:1E-7, 3:1E-8, 4:1E-9)

Byte 6 = E-BER(MUX)

(0:INVALID, 1:1E-3, 2:1E-4, 3:1E-5)

Byte 7 = SD(MUX)

(0:INVALID, 1:1E-6, 2:1E-7, 3:1E-8, 4:1E-9)"

::= { pnSTDEventTrapItemVar 28 }

eventItemPnSTDSUBIntfc OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (4))

ACCESS read-only

STATUS mandatory

DESCRIPTION "SUB INTFC / WS CH1

[Description]

Byte 0 = SUB INTFC / WS CH1

(0:INVALID

1:NOT USED

2:E1 WAYSIDE+SC LAN(SC) -- Not used

3:E1 WAYSIDE -- for SUB INTFC

USED -- for WS CH1

4:SC LAN(WAYSIDE) -- Not used

5:SC LAN(SC)) -- Not used

Byte 1 = WS IMPEDANCE

Byte 2 = WS AIS GENERATED REPORT

Byte 3 = WS AIS RECEIVED REPORT

SUB INTFC is available in SDH system.

WS CH1 is available in GbE over STM-1(VLAN) interface."

::= { pnSTDEventTrapItemVar 29 }

eventItemPnSTDSCAssign OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (8))

ACCESS read-only

STATUS mandatory

DESCRIPTION "SC ASSIGNMENT

[Description]

Byte 0 = RS-232C-1

(0:INVALID, 1:NOT USED, 2:SC1, 3:SC2,
4:SC3, 5:SC4, 16:E1(MUX), 17:F1(MUX),
19:E1(DMR), 20:F1(DMR))

Byte 1 = RS-232C-2

(0:INVALID, 1:NOT USED, 2:SC1, 3:SC2,
4:SC3, 5:SC4, 16:E1(MUX), 17:F1(MUX),
19:E1(DMR), 20:F1(DMR))

Byte 2 = V11-1

(0:INVALID, 1:NOT USED, 2:SC1, 3:SC2,
4:SC3, 5:SC4, 16:E1(MUX), 17:F1(MUX),
18:DCCr(MUX), 19:E1(DMR), 20:F1(DMR),
21:DCCr(DMR))

Byte 3 = V11-2

(0:INVALID, 1:NOT USED, 2:SC1, 3:SC2,
4:SC3, 5:SC4, 16:E1(MUX), 17:F1(MUX),
18:DCCr(MUX), 19:E1(DMR), 20:F1(DMR),
21:DCCr(DMR))

Byte 4 = SC LAN1

(0:INVALID, 1:NOT USED, 2:SC1, 10:SC1-2,
14:SC1-4, 16:E1(MUX), 17:F1(MUX),

18:DCCr(MUX),

19:E1(DMR), 20:F1(DMR), 21:DCCr(DMR))

Byte 5 = SC LAN2

(0:INVALID, 1:NOT USED, 2:SC1, 10:SC1-2,
14:SC1-4, 16:E1(MUX), 17:F1(MUX),

18:DCCr(MUX),

19:E1(DMR), 20:F1(DMR), 21:DCCr(DMR))

Byte 6 = V11-1 DIRECTION SETTING

(0:INVALID, 1:CO-DIRECTIONAL,
2:CONTRA-DIRECTIONAL)

Byte 7 = V11-2 DIRECTION SETTING
(0:INVALID, 1:CO-DIRECTIONAL,
2:CONTRA-DIRECTIONAL)

"

::= { pnSTDEventTrapItemVar 30 }

eventItemPnSTDLanPortSetting OBJECT-TYPE

SYNTAX	OCTET STRING (SIZE (41))
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"LAN PORT SETTING [Description] Byte 0 = SWITCHING FUNCTION (0:INVALID, 1:DISABLED(Report), 2:ENABLED(Not Report))

Byte 1 = SPEED & DUPLEX PORT1
Byte 2 = SPEED & DUPLEX PORT2
Byte 3 = SPEED & DUPLEX PORT3
Byte 4 = SPEED & DUPLEX PORT4
Byte 5 = INTFC(2) SPEED & DUPLEX PORT1
Byte 6 = INTFC(2) SPEED & DUPLEX PORT2
(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))

Byte 7 = FLOW CONTROL PORT1
Byte 8 = FLOW CONTROL PORT2
Byte 9 = FLOW CONTROL PORT3
Byte 10 = FLOW CONTROL PORT4
Byte 11 = INTFC(2) FLOW CONTROL PORT1
Byte 12 = INTFC(2) FLOW CONTROL PORT2
(0:INVALID, 1:OFF, 2:ON)

Byte 13 = COLLISION REPORT PORT1
Byte 14 = COLLISION REPORT PORT2
Byte 15 = COLLISION REPORT PORT3
Byte 16 = COLLISION REPORT PORT4
Byte 17 = INTFC(2) COLLISION REPORT PORT1
Byte 18 = INTFC(2) COLLISION REPORT PORT2
(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 19 = LINK LOSS FORWARDING PORT1
Byte 20 = LINK LOSS FORWARDING PORT2
Byte 21 = LINK LOSS FORWARDING PORT3
Byte 22 = LINK LOSS FORWARDING PORT4
Byte 23 = INTFC(2) LINK LOSS FWD PORT1
Byte 24 = INTFC(2) LINK LOSS FWD PORT2
(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 25 = LOCK SOURCE SETTING
(0:INVALID, 1:INTERNAL CLOCK,
2:DMR -> INTERNAL CLOCK)

Byte 26 = 2M FRAMING PORT1
Byte 27 = 2M FRAMING PORT2

Byte 28 = 2M FRAMING PORT3
 Byte 29 = 2M FRAMING PORT4
 (0:INVALID, 1:UNFRAMED,2:PCM31C(FAS+CRC)
 3:PCM31(FAS),4:PCM30C(MFAS+CRC)
 5:PCM30(MFAS))

Byte 30 = LAN PORT1 USAGE
 Byte 31 = LAN PORT2 USAGE
 Byte 32 = LAN PORT3 USAGE
 Byte 33 = LAN PORT4 USAGE
 Byte 34 = INTFC(2) LAN PORT1 USAGE
 Byte 35 = INTFC(2) LAN PORT2 USAGE
 (0:INVALID, 1:NOT USED, 2:USED)
 Byte 36 = SUB SWITCHING FUNCTION
 (0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 37 = GbE MEDIA TYPE
 (0:INVALID, 1:SFP, 2:RJ-45)

Byte 38 = GbE SPEED & DUPLEX
 (0:INVALID,
 1:RESERVE1,
 2:AUTONEG(AUTO 1000MB FULL DUPLEX),
 3:AUTONEG(AUTO MDI/MDIX),
 4:RESERVE4,
 5:RESERVE5,
 6:100MB-FULL(MDI),
 7:100MB-FULL(MDIX),
 8:100MB-HALF(MDI),
 9:100MB-HALF(MDIX),
 10:10MB-FULL(MDI),
 11:10MB-FULL(MDIX),
 12:10MB-HALF(MDI),
 13:10MB-HALF(MDIX))

Byte 39 = GbE LINK LOSS FORWARDING
 (0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 40 = GbE FLOW CONTROL(0:INVALID, 1:OFF, 2:ON)

LAN PORT SETTING is used in LAN PORT SETTING except for VLAN."

::= { pnSTDEventTrapItemVar 31 }

eventItemPnSTDAIsFunction OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (2))

ACCESS read-only

STATUS mandatory

DESCRIPTION "ALS

[Description]

Byte0 = ALS FUNCTION

0:Invalid,

1:Disabled,

2:Enabled

Byte1 = ALS INTERVAL

0:Invalid,

1:60sec,

2:180sec,

3:300sec

This function is available in Optical Interface."

::= { pnSTDEventTrapItemVar 32 }

eventItemPnSTDTxPowerContValue OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (9))

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX POWER CTRL

[Description]

Byte 0 = MTPC TX POWER

(0 - 255)

Byte 1 = ATPC THRESHOLD LEVEL integral number(signed

char)

(-128 - 127)

Byte 2 = ATPC THRESHOLD LEVEL a place of decimal

(0 - 9)

Byte 3 = ADDITIONAL ATT

(0 - 255)

Byte 4 = ATPC(MAX)

(0 - 255)

Byte 5 = ATPC(MIN)

(0 - 255)

Byte 6 = HYSTERESIS -- Not Used

(0 - 255)

Byte 7 = ATPC POWER MODE

(0:INVALID, 1:HOLD, 2:MAX, 3:MIN)

Byte 8 = COMM ALARM MODE --No.2 is not used.

(0:INVALID, 1:HOLD, 2:MUTE)"

::= { pnSTDEventTrapItemVar 33 }

eventItemPnSTDAtpcPowerMode OBJECT-TYPE

SYNTAX INTEGER (0..3)

ACCESS read-only

STATUS mandatory

DESCRIPTION "ATPC POWER MODE

0:Invalid,

1:Hold,

2:MAX,

3:MIN

Number 2 is not used."

::= { pnSTDEventTrapItemVar 34 }

eventItemPnSTDSWCondTxRx OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (5))

ACCESS read-only

STATUS mandatory

DESCRIPTION "CONDITION

for TX/RX SW

[Description]

Byte 0 = TX SW PRIORITY

(0:INVALID, 1:NON PRIORITY, 2:PRIORITY No.1)

Byte 1 = RX SW PRIORITY

(0:INVALID, 1:NON PRIORITY, 2:PRIORITY No.1)

Byte 2 = RX SW MAINTENANCE MODE

(0:INVALID, 1:MANUAL, 2:FORCED)

Byte 3 = RX SW CONDITION-EARLY WARNING

(0:INVALID, 1:INCLUDED EW, 2:EXCLUDED EW)

Byte 4 = RX SW CONDITION-XPIC RESET

(0:INVALID, 1:INCLUDED CROSS RESET,

2:EXCLUDED CROSS RESET)"

::= { pnSTDEventTrapItemVar 36 }

eventItemPnSTDSWCondAPS OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (7))

ACCESS read-only

STATUS mandatory

DESCRIPTION "

CONDITION
for APS

[Description]

Byte 0 = APS ALARM PRIORITY

(0:INVALID, 1:AUTO, 2:FORCED)

Byte 1 = APS CONDITION-SF

(0:INVALID, 1:PRIORITY HIGH, 2:PRIORITY LOW)

Byte 2 = APS CONDITION-SD

(0:INVALID, 1:INCLUDED SD, 2:EXCLUDED SD)

Byte 3 = LOCK IN USAGE (0:INVALID, 1:NOT USED,

2:USED)

Byte 4 = LOCK IN COUNT (VALUE(INT 0-255))

Byte 5 = LOCK IN DETECT TIME (VALUE(INT 0-60))

Byte 6 = LOCK IN HOLD TIME (VALUE(INT 0-48))"

::= { pnSTDEventTrapItemVar 37 }

eventItemPnSTDRelayConfigData OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (48))

ACCESS read-only

STATUS mandatory

DESCRIPTION "RELAY CONFIGURATION

[Description]

(Relay x (x:1~6))

[START BIT] = 64 * (x - 1)

Bit (0 + [START BIT]) = MAINT (Remark1)

Bit (1 + [START BIT]) = PS ALARM1 (Remark2)

Bit (2 + [START BIT]) = PS ALARM2 (Remark2)

Bit (3 + [START BIT]) = (FIXED to 0)

Bit (4 + [START BIT]) = (FIXED to 0)

Bit (5 + [START BIT]) = (FIXED to 0)

Bit (6 + [START BIT]) = (FIXED to 0)

Bit (7 + [START BIT]) = CPU ALARM (Remark2)

Bit (8 + [START BIT]) = ODU ALARM1 (Remark7)

Bit (9 + [START BIT]) = ODU ALARM2 (Remark7)

Bit (10 + [START BIT]) = IDU ALARM (Remark7)

Bit (11 + [START BIT]) = (FIXED to 0)

Bit (12 + [START BIT]) = (FIXED to 0)

Bit (13 + [START BIT]) = (FIXED to 0)

Bit (14 + [START BIT]) = (FIXED to 0)

Bit (15 + [START BIT]) = (FIXED to 0)

Bit (16 + [START BIT]) = TX POWER ALARM1 (Remark7)

Bit (17 + [START BIT]) = TX POWER ALARM2 (Remark7)

Bit (18 + [START BIT]) = TX IN LEV ALARM1 (Remark7)

Bit (19 + [START BIT]) = TX IN LEV ALARM2 (Remark7)

Bit (20 + [START BIT]) = RX LEV ALARM1 (Remark7)

Bit (21 + [START BIT]) = RX LEV ALARM2 (Remark7)

Bit (22 + [START BIT]) = APC ALARM1 (Remark7)

Bit (23 + [START BIT]) = APC ALARM2 (Remark7)

Bit (24 + [START BIT]) = IF CABLE SHORT ALARM1

(Remark7)

Bit (25 + [START BIT]) = IF CABLE SHORT ALARM2

(Remark7)

Bit (26 + [START BIT]) = ODU CPU ALARM1 (Remark7)

Bit (27 + [START BIT]) = ODU CPU ALARM2 (Remark7)

Bit (28 + [START BIT]) = (FIXED to 0)

Bit (29 + [START BIT]) = (FIXED to 0)

Bit (30 + [START BIT]) = (FIXED to 0)

Bit (31 + [START BIT]) = (FIXED to 0)
 Bit (32 + [START BIT]) = MOD ALARM1 (Remark7)
 Bit (33 + [START BIT]) = MOD ALARM2 (Remark7)
 Bit (34 + [START BIT]) = DEM ALARM1 (Remark7)
 Bit (35 + [START BIT]) = DEM ALARM2 (Remark7)
 Bit (36 + [START BIT]) = CH INPUT LOSS (Remark7)
 Bit (37 + [START BIT]) = CH AIS RECEIVED (Remark7)
 Bit (38 + [START BIT]) = CH AIS GENERATED (Remark7)
 Bit (39 + [START BIT]) = CH USAGE ERROR (Remark7)
 Bit (40 + [START BIT]) = LOW BER ALARM1 (Remark7)
 Bit (41 + [START BIT]) = LOW BER ALARM2 (Remark7)
 Bit (42 + [START BIT]) = HIGH BER ALARM1 (Remark7)
 Bit (43 + [START BIT]) = HIGH BER ALARM2 (Remark7)
 Bit (44 + [START BIT]) = STM-1 TF ALARM (Remark7)
 Bit (45 + [START BIT]) = STM-1 SLOS (Remark7)
 Bit (46 + [START BIT]) = STM-1 RLOS (Remark7)
 Bit (47 + [START BIT]) = LAN LINK ALARM (Remark7)
 Bit (48 + [START BIT]) = LOF1 (Remark7)
 Bit (49 + [START BIT]) = LOF2 (Remark7)
 Bit (50 + [START BIT]) = XREF ALARM1 (Remark7)
 Bit (51 + [START BIT]) = XREF ALARM2 (Remark7)
 Bit (52 + [START BIT]) = XCTRL ALARM (Remark7)
 Bit (53 + [START BIT]) = XCTRL ALARM2 (Remark7) -- Not

used

Bit (54 + [START BIT]) = SC LAN LINK ALARM (Remark7)
 Bit (55 + [START BIT]) = WS INPUT LOSS (Remark7)
 Bit (56 + [START BIT]) = CLUSTER ALARM1 (Remark6)
 Bit (57 + [START BIT]) = CLUSTER ALARM2 (Remark5)
 Bit (58 + [START BIT]) = CLUSTER ALARM3 (Remark4)
 Bit (59 + [START BIT]) = CLUSTER ALARM4 (Remark3)
 Bit (60 + [START BIT]) = HK1 OUTPUT (Remark6)
 Bit (61 + [START BIT]) = HK2 OUTPUT (Remark5)
 Bit (62 + [START BIT]) = HK3 OUTPUT (Remark4)
 Bit (63 + [START BIT]) = HK4 OUTPUT (Remark3)

Remark1 : The value of Relay 1 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark2 : The value of Relay 2 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark3 : The value of Relay 3 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark4 : The value of Relay 4 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark5 : The value of Relay 5 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark6 : The value of Relay 6 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark7 : The value of Relay 1 and Relay 2 is fixed to 0.
 The value of the other Relay is 0 or 1.

"

::= { pnSTDEventTrapItemVar 38 }

eventItemPnSTDRelayClusterAssign OBJECT-TYPE	
SYNTAX	OCTET STRING (SIZE (4))
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"CLUSTER INPUT 0:Invalid, 1:Disabled, 2:Enabled)

[Description]

Byte 0 = CLUSTER1 INPUT (0:Invalid, 1:Disabled, 2:Enabled)

Byte 1 = CLUSTER2 INPUT

Byte 2 = CLUSTER3 INPUT

Byte 3 = CLUSTER4 INPUT"

::= { pnSTDEventTrapItemVar 39 }

eventItemPnSTDTCNTreshold15minTotal OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (24))

ACCESS read-only

STATUS mandatory

DESCRIPTION "TCN THRESHOLD 15MIN TOTAL

[Description]

(Byte 0 - Byte 3) = OFS TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 4 - Byte 7) = UAS TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 8 - Byte 11) = ES TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 12 - Byte 15) = SES TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 16 - Byte 19) = BBE TCN THRESHOLD TOTAL-15min

(PDH(Bit Rate = 10MB) : 0 - 804600

PDH(Bit Rate = 20MB) : 0 - 804600

PDH(Bit Rate = 40MB) : 0 - 804600

PDH(Bit Rate = 80MB) : 0 -

1611000

PDH(Bit Rate = 100MB) : 0 -

1611000

SDH(Bit Rate = 156MB) : 0 -

2159100)

(Byte 20 - Byte 23) = SEP TCN THRESHOLD TOTAL-15min

(0 - 900)

"

::= { pnSTDEventTrapItemVar 40 }

eventItemPnSTDTCNTreshold15minCH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (24))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN THRESHOLD 15MIN CH

This item is available in PDH system.

[Description]

(Byte 0 - Byte 3) = (Fixed to 0)

(Byte 4 - Byte 7) = UAS TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 8 - Byte 11) = ES TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 12 - Byte 15) = SES TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 16 - Byte 19) = BBE TCN THRESHOLD TOTAL-15min

(0 - 402300)

(Byte 20 - Byte 23) = SEP TCN THRESHOLD TOTAL-15min

(0 - 900)

"

::= { pnSTDEventTrapItemVar 41 }

eventItemPnSTDTCNTreshold1dayTotal OBJECT-TYPE

	SYNTAX	OCTET STRING (SIZE (24))
	ACCESS	read-only
	STATUS	mandatory
	DESCRIPTION	"TCN THRESHOLD 1DAY TOTAL
		[Description]
86400)		(Byte 0 - Byte 3) = OFS TCN THRESHOLD TOTAL-1day (0 -
86400)		(Byte 4 - Byte 7) = UAS TCN THRESHOLD TOTAL-1day (0 -
86400)		(Byte 8 - Byte 11) = ES TCN THRESHOLD TOTAL-1day (0 -
- 86400)		(Byte 12 - Byte 15) = SES TCN THRESHOLD TOTAL-1day (0 -
		(Byte 16 - Byte 19) = BBE TCN THRESHOLD TOTAL-1day
		(PDH(Bit Rate = 10MB) : 0 -
77241600		PDH(Bit Rate = 20MB) : 0 -
77241600		PDH(Bit Rate = 40MB) : 0 -
77241600		PDH(Bit Rate = 80MB) : 0 -
154656000		PDH(Bit Rate = 100MB) : 0 -
154656000		SDH(Bit Rate = 156MB) : 0 -
207273600)		(Byte 20 - Byte 23) = SEP TCN THRESHOLD TOTAL-1day (0
- 86400)		
"		

::= { pnSTDEventTrapItemVar 42 }

eventItemPnSTDTTCNTreshold1dayCH OBJECT-TYPE

	SYNTAX	OCTET STRING (SIZE (24))
	ACCESS	read-only
	STATUS	mandatory
	DESCRIPTION	"This item is not used.
		TCN THRESHOLD 1DAY CH
		This item is available in PDH system.
		[Description]
- 86400)		(Byte 0 - Byte 3) = (Fixed to 0)
- 86400)		(Byte 4 - Byte 7) = UAS TCN THRESHOLD TOTAL-1day (0
- 86400)		(Byte 8 - Byte 11) = ES TCN THRESHOLD TOTAL-1day (0
- 86400)		(Byte 12 - Byte 15) = SES TCN THRESHOLD TOTAL-1day (0
- 38620800)		(Byte 16 - Byte 19) = BBE TCN THRESHOLD TOTAL-1day (0
- 86400)		(Byte 20 - Byte 23) = SEP TCN THRESHOLD TOTAL-1day (0
"		

::= { pnSTDEventTrapItemVar 43 }

eventItemPnSTDFadingDepthThreshold OBJECT-TYPE

	SYNTAX	OCTET STRING (SIZE (2))
	ACCESS	read-only
	STATUS	mandatory
	DESCRIPTION	"This item is not used.
		FADING STATUS THRESHOLD

[Description]

Byte 1 = FADING DEPTH THRESHOLD(No.1/DIR-A)

Byte 2 = FADING DEPTH THRESHOLD(No.2/DIR-B)

(0:Invalid, 1:5[dB], 2:10[dB], 3:15[dB],
4:20[dB], 5:25[dB], 6:30[dB])

Byte 2 is fixed to 0, when Redundancy is 1+0 TERM."

::= { pnSTDEventTrapItemVar 44 }

eventItemPnSTDXpicCondLOSignalFail OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "XPIC CONDITION-LOCAL FAIL

0:Invalid,

1:From RF to Self LO Signal,

2:Mute

This item is available in XPIC system."

::= { pnSTDEventTrapItemVar 45 }

eventItemPnSTDEOWIntfcType OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "EOW2 EXTERNAL SETTING

0:Invalid,

1:Normal,

2:Invert"

::= { pnSTDEventTrapItemVar 46 }

eventItemPnSTDAlarmCorrelation OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "ALARM CORRELATION CAPABILITY

0:Invalid,

1:Off,

2:On"

::= { pnSTDEventTrapItemVar 47 }

eventItemPnSTDPmonSelect OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (10))

ACCESS read-only

STATUS mandatory

DESCRIPTION "PMON SELECT

[Description]

Byte 0 = SES COUNT ACTIVATION(DIR-A) (1:30[%],

2:15[%])

Byte 1 = SES COUNT ACTIVATION(DIR-B) (1:30[%],

2:15[%])

Byte 2 = PMON E1-A SELECT (0:Not Select, x: CHx(x:01-48))

Byte 3 = PMON E1-B SELECT (0:Not Select, x: CHx(x:01-48))

Byte 4 = PMON E1-C SELECT (0:Not Select, x:

CHx(x:01-48))

Byte 5 = PMON E1-D SELECT (0:Not Select, x:

CHx(x:01-48))

Byte 6 = RX LEVEL TCN THRESHOLD(No.1/DIR-A) integral

number

(signed char: -128 - 127)

Byte 7 = RX LEVEL TCN THRESHOLD(No.1/DIR-A)a place

of decimal

number (0-9)
Byte 8 = RX LEVEL TCN THRESHOLD(No.2/DIR-B) integral

of decimal (signed char: -128 - 127)
Byte 9 = RX LEVEL TCN THRESHOLD(No.2/DIR-B)a place

(0-9)

*) The values of No.2/DIR-B side are fixed to 0 when
Redundancy is 1+0 TERM."

::= { pnSTDEventTrapItemVar 48 }

eventItemPnSTDMaintMode OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "MAINTENANCE

0:Off,

1:On"

::= { pnSTDEventTrapItemVar 49 }

eventItemPnSTDMaintLoopback1CH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))

ACCESS read-only

STATUS mandatory

DESCRIPTION "MAIN CH LOOPBACK-1(CHxx)

(xx:01-48)

0:Off,

1:On

[Description]

Bit 0 = MAIN CH LOOPBACK-1(CH01) (0:Off, 1:On)

Bit 1 = MAIN CH LOOPBACK-1(CH02)

...

Bit 46 = MAIN CH LOOPBACK-1(CH47) for E1 interface

MAIN CH LOOPBACK-1(E3 CH1) for E3 interface

Bit 47 = MAIN CH LOOPBACK-1(CH48) for E1 interface

MAIN CH LOOPBACK-1(E3 CH2) for E3

interface

*) The value of CHxx is fixed to 0, when CHxx Usage is not

used. (xx: 01 - 48)"

::= { pnSTDEventTrapItemVar 53 }

eventItemPnSTDMaintLoopback2CH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))

ACCESS read-only

STATUS mandatory

DESCRIPTION "MAIN CH LOOPBACK-2(DIR-A)(CHxx)

(xx:01-48)

0:Off,

1:On

[Description]

Bit 0 = MAIN CH LOOPBACK-2(DIR-A)(CH01) (0:Off, 1:On)

Bit 1 = MAIN CH LOOPBACK-2(DIR-A)(CH02)

...

Bit 46 = MAIN CH LOOPBACK-2(DIR-A)(CH47) for E1

interface

MAIN CH LOOPBACK-2(E3 CH1) for E3 interface

interface

Bit 47 = MAIN CH LOOPBACK-2(DIR-A)(CH48) for E1

MAIN CH LOOPBACK-2(E3 CH2) for E3 interface

used. (xx: 01 - 48)

*) The value of CHxx is fixed to 0, when CHxx Usage is not

*) (DIR-A) is available when Redundancy is 2-WAY."

```

::= { pnSTDEventTrapItemVar 54 }

eventItemPnSTDMaintLoopback1Work OBJECT-TYPE
    SYNTAX      OffOnValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "MAIN LOOPBACK-1 INTFC(1)
                Refer to OffOnValue of TEXTUAL-CONVENTION"
    ::= { pnSTDEventTrapItemVar 55 }

eventItemPnSTDMaintLoopback2 OBJECT-TYPE
    SYNTAX      OffOnValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "MAIN LOOPBACK-2
                Refer to OffOnValue of TEXTUAL-CONVENTION"
    ::= { pnSTDEventTrapItemVar 56 }

eventItemPnSTDMaintDADEAdjust OBJECT-TYPE
    SYNTAX      INTEGER (0..3)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "This item is not used.
                DADE ADJUST
                0:Invalid,
                1:DADE,
                2:Off Set DADE,
                3:DADE OFF"
    ::= { pnSTDEventTrapItemVar 57 }

eventItemPnSTDMaintDADEAdjustEn OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "This item is not used.
                DADE ADJUST ENABLE
                0:Invalid,
                1:Off,
                2:Executing DADE Adjust"
    ::= { pnSTDEventTrapItemVar 58 }

eventItemPnSTDMaintLanDeviceReset OBJECT-TYPE
    SYNTAX      INTEGER (0..8)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "This item is not used.
                LAN DEVICE RESET
                0:Invalid,
                1:Not Selected,
                2:INTFC(1)-PORT1,
                3:INTFC(1)-PORT2,
                4:INTFC(1)-PORT3,
                5:INTFC(1)-PORT4,

```

6:INTFC(2)-PORT1,
7:INTFC(2)-PORT2,
8:INTFC(1)-ALL PORT

This item is available for LAN interface."

::= { pnSTDEventTrapItemVar 59 }

eventItemPnSTDMaintAlsRestart OBJECT-TYPE

SYNTAX INTEGER (0..5)

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

ALS RESTART

0:Invalid,

1:Not Selected,

2:2sec(INTFC1),

3:90sec(INTFC1),

4:2sec(INTFC2) for APS,

5:90sec(INTFC2) for APS

This item is available when ALS Function is enabled."

::= { pnSTDEventTrapItemVar 60 }

eventItemPnSTDMaintAlsManualRestart OBJECT-TYPE

SYNTAX INTEGER (0..3)

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

MANUAL RESTART

0:Invalid,

1:Off,

2:ON(INTFC1),

3:ON(INTFC2) for APS

ON means emitting a LASER signal.

This item is available when ALS Function is enabled."

::= { pnSTDEventTrapItemVar 61 }

eventItemPnSTDMaintATPCManualControl OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "ATPC MANUAL CONTROL

Refer to OffOnValue of TEXTUAL-CONVENTION"

::= { pnSTDEventTrapItemVar 62 }

eventItemPnSTDMaintATPCManualContPower OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION "ATPC Manual Control Power"

::= { pnSTDEventTrapItemVar 63 }

eventItemPnSTDMaintTxMuteControl OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX MUTE CONTROL

Refer to OffOnValue of TEXTUAL-CONVENTION"

::= { pnSTDEventTrapItemVar 64 }

eventItemPnSTDMaintTxMuteContReleaseTime OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX Mute Off Control Time"
 ::= { pnSTDEventTrapItemVar 65 }

eventItemPnSTDMaintCW OBJECT-TYPE
 SYNTAX OffOnValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CW CONTROL
 Refer to OffOnValue of TEXTUAL-CONVENTION "
 ::= { pnSTDEventTrapItemVar 66 }

eventItemPnSTDMaintIfLoopback OBJECT-TYPE
 SYNTAX OffOnValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "IF LOOPBACK
 Refer to OffOnValue of TEXTUAL-CONVENTION"
 ::= { pnSTDEventTrapItemVar 67 }

eventItemPnSTDMaintForcedXPICCont OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "XPIC CONTROL
 0:Invalid,
 1:Auto,
 2:Force Reset"
 ::= { pnSTDEventTrapItemVar 68 }

eventItemPnSTDMaintForcedLinearizerCont OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LINEARIZER CONTROL
 0:Invalid,
 1:Auto,
 2:Force Reset"
 ::= { pnSTDEventTrapItemVar 69 }

eventItemPnSTDMaintRFShiftFreqSet OBJECT-TYPE
 SYNTAX DisplayString (SIZE (4))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 RF SHIFT FREQUENCY[MHz]
 This value is only 1008 or 1010"
 ::= { pnSTDEventTrapItemVar 71 }

eventItemPnSTDMaintAntennaAlignMode OBJECT-TYPE
 SYNTAX OffOnValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ANTENNA ALIGNMENT MODE
 Refer to OffOnValue of TEXTUAL-CONVENTION "
 ::= { pnSTDEventTrapItemVar 72 }

eventItemPnSTDInvUpdateMainWorkModule OBJECT-TYPE
 SYNTAX INTEGER (0..17)

ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Main Work Module

0:INVALID,
 1:BLANK,
 2:16xE1 BASIC PKG,
 3:16xE1 STANDARD PKG(E/W LAN),
 4:32xE1 PKG(E/W LAN),
 5:48xE1 PKG,
 6:4PORT LAN WITH E1,
 7:STM-1(OPTICAL),
 8:STM-1(ELECTRICAL),
 9:2PORT LAN OVER STM-1,
 10:GbE OVER STM-1,
 11:E3 PKG(E/W LAN),
 12:16E1 2-WAY/XC PKG(E/W LAN),
 14:GbE(10/100/1000B) OVER STM-1,
 15:32E1 XC PKG,
 16:4PORT LAN WITH E1(VLAN),
 17:GbE OVER STM-1(VLAN)"

::= { pnSTDEventTrapItemVar 73 }

eventItemPnSTDInvUpdateSubProtModule OBJECT-TYPE

SYNTAX	INTEGER (0..255)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"SUB PROT Module

0:Invalid,
 1:Not Used,
 2:STM-1(OPTICAL),
 3:WS/LAN,
 4:WS"

::= { pnSTDEventTrapItemVar 74 }

eventItemPnSTDInvUpdateSummary OBJECT-TYPE

SYNTAX	OCTET STRING (SIZE (2))
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Update Summary

[Description]

Bit 0 = CTRL (0:Not Update, 1:Updated)
 Bit 1 = MODEM1
 Bit 2 = MODEM2
 Bit 3 = MAIN(WORK)
 Bit 4 = SUB(PROT)
 Bit 5 = ODU1
 Bit 6 = ODU2
 Bit 7 = CTRL PROGRAM VERSION
 Bit 8 = TRU PROVISIONING INFO
 Bit 9 = TRU FREQ INFO
 Bit 10 = SUPPORTABILITY
 Bit 11 = (FIXED to 0)
 Bit 12 = (FIXED to 0)
 Bit 13 = (FIXED to 0)
 Bit 14 = (FIXED to 0)
 Bit 15 = (FIXED to 0)"

::= { pnSTDEventTrapItemVar 75 }

eventItemPnSTDLanCollision OBJECT-TYPE

SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"LAN COLLISION PORTx (x : 1-4) 0:Invalid, 1:Normal, 2:Collision"
::=	{ pnSTDEventTrapItemVar 76 }

eventItemPnSTDSClanCollision	OBJECT-TYPE
SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"INTFC(2) LAN COLLISION PORTx (x : 1-2) 0:Invalid, 1:Normal, 2:Collision"
::= { pnSTDEventTrapItemVar 77 }	

eventItemPnSTDAPSSStatus	OBJECT-TYPE
SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"APS STATUS
	0:Invalid,
	1:Working,
	2:Protection"
::= { pnSTDEventTrapItemVar 78 }	

eventItemPnSTDAtpcPowerModeStatus	OBJECT-TYPE
SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"ATPC POWER MODE 0:Invalid, 1:Active, 2:Stop"
::= { pnSTDEventTrapItemVar 80 }	

eventItemPnSTDAuxOutput	OBJECT-TYPE
SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"ITEM NAME(OUTPUT-x) (x : 1-4) 0:Invalid, 1:(ON), 2:(OFF)"
::= { pnSTDEventTrapItemVar 81 }	

eventItemPnSTDMCMount	OBJECT-TYPE
SYNTAX	OffOnValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"MMC MOUNT Refer to OffOnValue of TEXTUAL-CONVENTION"
::= {	pnSTDEventTrapItemVar 82 }

```

eventItemPnSTDAPSLockinStatus OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "APS LOCK IN STATUS
                  0:Invalid,
                  1:Normal,
                  2:Lock IN"
    ::= { pnSTDEventTrapItemVar 83 }

eventItemPnSTDMaintLoopback1Prot OBJECT-TYPE
    SYNTAX      OffOnValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "MAIN LOOPBACK-1 INTFC(2)"
    ::= { pnSTDEventTrapItemVar 84 }

eventItemPnSTDMaintTxSWMode OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "TX SW MODE
                  0:Invalid,
                  1:Auto(No.1),
                  2:Auto(No.2),
                  3:Manual(No.1),
                  4:Manual(No.2)"
    ::= { pnSTDEventTrapItemVar 85 }

eventItemPnSTDMaintRxSWMode OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "RX SW MODE
                  0:Invalid,
                  1:Auto(No.1),
                  2:Auto(No.2),
                  3:Manual(No.1),
                  4:Manual(No.2)"
    ::= { pnSTDEventTrapItemVar 86 }

eventItemPnSTDMaintAPSSWMode OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "APS SW MODE
                  0:Invalid,
                  1:Auto(Working),
                  2:Auto(Protection),
                  3:Manual(Working),
                  4:Manual(Protection)"
    ::= { pnSTDEventTrapItemVar 87 }

eventItemPnSTDGbELinkLossForward OBJECT-TYPE
    SYNTAX      INTEGER (0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "GbE Link Loss Forward
                  0:Invalid,
                  1:Normal,

```


2:Under Execution"
 ::= { pnSTDEventTrapItemVar 88 }

eventItemPnSTDGbESpeedDuplex OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "GbE Speed & Duplex

[Description]

Bit 0 = MASTER/SLAVE (0:SLAVE, 1:MASTER)

Bit 1 = FULL DUPLEX (0:HALF, 1:FULL)

Bit 2 = FORCED SETTING MODE (0:AUTONEGO,

1:FORCED)

Bit 3 = MDIX (0:MDI, 1:MDIX)

Bit 4, 5 = SPEED (00:10M, 01:100M, 10:1000M, 11:1000M-INI)

*)Bit 0 / Bit 2 / Bit 3 is used when GbE MEDIA TYPE is not

SFP.

*)Bit 1 = FULL DUPLEX is fixed to FULL when GbE MEDIA

TYPE is SFP."

::= { pnSTDEventTrapItemVar 89 }

eventItemPnSTDMaintLoopback3CH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))

ACCESS read-only

STATUS mandatory

DESCRIPTION "Main CH Loopback-2(DIR-B)(CHxx)
 (xx:01-48)

0:Off,

1:On"

::= { pnSTDEventTrapItemVar 90 }

eventItemPnSTDGbELanCollision OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "GbE LAN Collision Port1(Main)

0:Invalid,

1:Normal,

2:Collision"

::= { pnSTDEventTrapItemVar 91 }

eventItemPnSTDVlanPortSetting OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (33))

ACCESS read-only

STATUS mandatory

DESCRIPTION "VLAN PORT SETTING

[Description]

Byte 0 = SWITCHING FUNCTION -- Not used

(0:INVALID, 1:DISABLED(No Report),

2:ENABLED(Report))

Byte 1 = MAC ADDRESS LEARNING

(0:INVALID, 1:OFF, 2:ON)

Byte 2 = 2M FRAMING

Byte 3 = 2M FRAMING PORT2 -- Not used

(0:INVALID, 1:UNFRAMED, 2:PCM31C(FAS+CRC),

3:PCM31(FAS),

4:PCM30C(MFAS+CRC), 5:PCM30(MFAS))

Byte 4 = MAIN LAN LINK DOWN CONTROL

(0:INVALID,

1:DISABLED,

2:RADIO ONLY,
 3:RADIO+LLF(ANY PORT),
 4:RADIO+LLF(ALL PORT),
 5-9:reserved,
 10:GbE RADIO ONLY,
 11:GbE RADIO+LLF(ANY PORT),
 12:GbE RADIO+LLF(ALL PORT),
 13-19:reserved,
 20:DIR-A RADIO ONLY, -- Not used
 21:DIR-B RADIO ONLY, -- Not used
 22:DIR-A/DIR-B RADIO ONLY, -- Not used
 23:DIR-A RADIO+LLF(ANY PORT), -- Not used
 24:DIR-B RADIO+LLF(ANY PORT), -- Not used
 25:DIR-A RADIO+LLF(ALL PORT), -- Not used
 26:DIR-B RADIO+LLF(ALL PORT), -- Not used
 27:DIR-A/DIR-B RADIO+LLF(ALL PORT)) -- Not used

Byte 6 Not Used

Byte 7 Not Used

Byte 8 = LAN PORT1 USAGE

Byte 9 = SPEED & DUPLEX PORT1

(0:INVALID,2:AUTONEG(AUTO 1000M FULL

DUPLEX),

3:AUTONEG(AUTO-MDI/MDIX),
 6:100M-FULL(MDI),7:100M-FULL(MDIX),
 8:100M-HALF(MDI),9:100M-HALF(MDIX),
 10:10M-FULL(MDI),11:10M-FULL(MDIX),
 12:10M-HALF(MDI),13:10M-HALF(MDIX))

Byte 10 = LINK LOSS FORWARDING PORT1

(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 11 = COLLISION REPORT PORT1

(0:INVALID, 1:NOT REPORT, 2:REPORT)

Byte 12 = FLOW CONTROL PORT1

(0:INVALID, 1:OFF, 2:ON)

Byte 16 = LAN PORT2 USAGE

Byte 17 = SPEED & DUPLEX PORT2

(0:INVALID,3:AUTONEG(AUTO-MDI/MDIX),
 6:100M-FULL(MDI),7:100M-FULL(MDIX),
 8:100M-HALF(MDI),9:100M-HALF(MDIX),
 10:10M-FULL(MDI),11:10M-FULL(MDIX),
 12:10M-HALF(MDI),13:10M-HALF(MDIX))

Byte 18 = LINK LOSS FORWARDING PORT2

(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 19 = COLLISION REPORT PORT2

(0:INVALID, 1:NOT REPORT, 2:REPORT)

Byte 20 = FLOW CONTROL PORT2

(0:INVALID, 1:OFF, 2:ON)

Byte 24 = LAN PORT3 USAGE

Byte 25 = SPEED & DUPLEX PORT3

(0:INVALID,3:AUTONEG(AUTO-MDI/MDIX),
 6:100M-FULL(MDI),7:100M-FULL(MDIX),
 8:100M-HALF(MDI),9:100M-HALF(MDIX),
 10:10M-FULL(MDI),11:10M-FULL(MDIX),
 12:10M-HALF(MDI),13:10M-HALF(MDIX))

Byte 26 = LINK LOSS FORWARDING PORT3

(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 27 = COLLISION REPORT PORT3

(0:INVALID, 1:NOT REPORT, 2:REPORT)

Byte 28 = FLOW CONTROL PORT3
(0:INVALID, 1:OFF, 2:ON)

Byte 32 = GbE MEDIA TYPE
(0:INVALID, 1:SFP, 2:RJ-45)"

::= { pnSTDEventTrapItemVar 92 }

eventItemPnSTDVlanPort4Setting OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (8))

ACCESS read-only

STATUS mandatory

DESCRIPTION "VLAN PORT4 SETTING

[Description]

Byte 0 = LAN PORT4 USAGE

Byte 1 = SPEED & DUPLEX PORT4

(0:INVALID,3:AUTONEG(AUTO-MDI/MDIX),
6:100M-FULL(MDI),7:100M-FULL(MDIX),
8:100M-HALF(MDI),9:100M-HALF(MDIX),
10:10M-FULL(MDI),11:10M-FULL(MDIX),
12:10M-HALF(MDI),13:10M-HALF(MDIX))

Byte 2 = LINK LOSS FORWARDING PORT4 -- Not used
(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 3 = COLLISION REPORT PORT4
(0:INVALID, 1:NOT REPORT, 2:REPORT)

Byte 4 = FLOW CONTROL PORT4
(0:INVALID, 1:OFF, 2:ON)"

::= { pnSTDEventTrapItemVar 93 }

eventItemPnSTDVlanSetting OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (352))

ACCESS read-only

STATUS mandatory

DESCRIPTION "VLAN SETTING

[Description]

Byte 0 = VLAN MODE

Byte 8 = PORT VLAN GROUP1

Byte 9 = PORT VLAN GROUP2

...

Byte 14 = PORT VLAN GROUP7

Byte 15 = PORT VLAN GROUP8

Byte 24-27 = TAG VLAN GROUP1

Byte 28-31 = TAG VLAN GROUP2

...

Byte 272-275 = TAG VLAN GROUP63

Byte 276-279 = TAG VLAN GROUP64

Byte 284-287 = DEFAULT TAG PORT1

Byte 288-291 = DEFAULT TAG PORT2

Byte 292-295 = DEFAULT TAG PORT3

Byte 296-299 = DEFAULT TAG PORT4

Byte 300 = INVALID VID FRAME HANDLING -- Not used
Byte 301 = NON TAG FRAME HANDLING"

::= { pnSTDEventTrapItemVar 94 }

eventItemPnSTDQosSetting OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (128))

ACCESS read-only

STATUS	mandatory
DESCRIPTION	"QoS SETTING [Description] Byte 0 = QoS MODE Byte 1 = QUEUE CONTROL MODE Byte 2 = WRR WEIGHT Byte 3 = 802.1Q USER PRIORITY 000 : Byte 10 = 802.1Q USER PRIORITY 111 Byte 11 = DSCP PRIORITY 000000 : Byte 74 = DSCP PRIORITY 111111 Byte 75 = ToS PRIORITY 000 : Byte 82 = ToS PRIORITY 111"

::= { pnSTDEventTrapItemVar 95 }

pnSTDStatusTrapItemVar OBJECT IDENTIFIER
::= { pnSTDTrapItemVar 4 }

statusItemPnSTDAuxInput OBJECT-TYPE	
SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"ITEM NAME(INPUT-x) (x : 1-6) 0:Invalid, 1:Open State, 2:Close State FLAG=SUMMARY_AUX probableCause=invalid"

::= { pnSTDStatusTrapItemVar 1 }

pnSTDSystemTrapItemVar OBJECT IDENTIFIER
::= { pnSTDTrapItemVar 5 }

systemItemPnSTDLocalUpdate OBJECT-TYPE	
SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"EQUIPMENT CONFIGURATION 0:Invalid, 1:NO CHANGE, 2:UPDATED"

::= { pnSTDSystemTrapItemVar 2 }

pnSTDEventTrapItemVar2 OBJECT IDENTIFIER
::= { pnSTDTrapItemVar 6 }

eventItemPnSTDMainLanModeSetting OBJECT-TYPE	
SYNTAX	INTEGER (0..2)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"MAIN LAN MODE SETTING 0:Invalid, 1:ENH NODAL Mode, 2:STD Mode"

::= { pnSTDEventTrapItemVar2 1 }

eventItemPnSTDTxSWLockInStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW LOCK IN STATUS
 0:Invalid,
 1:Normal,
 2:Lock in"

::= { pnSTDEventTrapItemVar2 3 }

eventItemPnSTDSWCondTxSWLockIn OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (8))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CONDITION for TX/RX SW

[Description]

Byte 0 = TX SW LOCK IN USAGE

(0:INVALID, 1:USED, 2:NOT USED)

Byte 1 --Not Used

Byte 2 --Not Used

Byte 3 = TX SW DETECTION TIME (VALUE(INT 0-60)) --Not

Used

Byte 4 = TX SW DETECTION COUNTER (VALUE(INT

0-255)) --Not Used

Byte 5 = AUTOMATIC CLEAR LOCK IN USAGE --Not Used

(0:INVALID, 1:USED, 2:NOT USED)

Byte 6 = CLEAR LOCK IN TIME (VALUE(INT 0-48)) --Not

Used

Byte 7 = TX SW REVERSE FUNCTION

(0:INVALID, 1:NOT USED, 2:USED)"

::= { pnSTDEventTrapItemVar2 4 }

eventItemPnSTDTxSWReverseReq OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW REVERSE REQUEST
 0:Invalid,
 1:Normal,
 2:Received,
 3:Executed"

::= { pnSTDEventTrapItemVar2 5 }

eventItemPnSTDTxSWSensitivity OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW SENSITIVITY
 0:Invalid,
 1:Normal,
 2:High"

::= { pnSTDEventTrapItemVar2 6 }

partialSummaryTrapTRU

ENTERPRISE pasolinkNeoStd
 VARIABLES {

```

        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        partialSummaryItemTRU
    }
    DESCRIPTION "This trap is sent
        when TRU(ODU) Summary status is changed."
    ::= 201

partialSummaryTrapINTFC1 TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        partialSummaryItemINTFC1
    }
    DESCRIPTION "This trap is sent
        when INTFC1 Summary status is changed."
    ::= 202

partialSummaryTrapCTRL TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        partialSummaryItemCTRL
    }
    DESCRIPTION "This trap is sent
        when CTRL Summary status is changed."
    ::= 203

partialSummaryTrapAux TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        partialSummaryItemAux
    }
    DESCRIPTION "This trap is sent
        when AUX IO Summary status is changed."
    ::= 204

```

```

partialSummaryTrapLpm      TRAP-TYPE
ENTERPRISE                 pasolinkNeoStd
VARIABLES                  {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                partialSummaryItemLpm
                            }
DESCRIPTION "This trap is sent
                                when Link Pmon Summary status is changed."
::= 205

```

```

partialSummaryTrapINTFC2  TRAP-TYPE
ENTERPRISE                 pasolinkNeoStd
VARIABLES                  {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                partialSummaryItemINTFC2
                            }
DESCRIPTION "This trap is sent
                                when INTFC2 Summary status is changed."
::= 206

```

```

partialSummaryTrapMODEM   TRAP-TYPE
ENTERPRISE                 pasolinkNeoStd
VARIABLES                  {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                partialSummaryItemMODEM
                            }
DESCRIPTION "This trap is sent
                                when Modem Summary status is changed."
::= 207

```

```

alarmTrapPnSTDTxPowerAlarm TRAP-TYPE
ENTERPRISE                 pasolinkNeoStd
VARIABLES                  {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDTxPowerAlarm
                            }

```

```

    }
    DESCRIPTION "This trap is sent
                when TX POWER status is changed."
    ::= 301

alarmTrapPnSTDTxInputAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTxInputAlarm
    }
    DESCRIPTION "This trap is sent
                when TX INPUT status is changed."
    ::= 302

alarmTrapPnSTDRxLevelAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDRxLevelAlarm
    }
    DESCRIPTION "This trap is sent
                when RX LEVEL status is changed."
    ::= 303

alarmTrapPnSTDAPcAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDAPcAlarm
    }
    DESCRIPTION "This trap is sent
                when APC status is changed."
    ::= 304

alarmTrapPnSTDTRUCPUAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,

```



```

        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTRUCPUAlarm
    }
    DESCRIPTION "This trap is sent
        when ODU CPU/CABLE OPEN status is changed."
    ::= 305

alarmTrapPnSTDModemAlarm TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDModemAlarm
    }
    DESCRIPTION "This trap is sent
        when MODEM MODULE status is changed."
    ::= 306

alarmTrapPnSTDModemUneq TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDModemUneq
    }
    DESCRIPTION "This trap is sent
        when MODEM UNEQUIPPED status is changed."
    ::= 307

alarmTrapPnSTDHighBERAlarm TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDHighBERAlarm
    }
    DESCRIPTION "This trap is sent
        when HIGH BER status is changed."
    ::= 308

alarmTrapPnSTDLowBERAlarm TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {

```

```

        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLowBERAlarm
    }
    DESCRIPTION "This trap is sent
                when LOW BER status is changed."
    ::= 309

alarmTrapPnSTDModAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDModAlarm
    }
    DESCRIPTION "This trap is sent
                when MOD status is changed."
    ::= 310

alarmTrapPnSTDDemAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDDemAlarm
    }
    DESCRIPTION "This trap is sent
                when DEM status is changed."
    ::= 311

alarmTrapPnSTDXIfLevelAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDXIfLevelAlarm
    }
    DESCRIPTION "This trap is sent
                when XIF status is changed."
    ::= 312

```

```

alarmTrapPnSTDXContAlarm      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDXContAlarm
                                }
    DESCRIPTION "This item is not used."
    ::= 313

alarmTrapPnSTDPSAlarm      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDPSAlarm
                                }
    DESCRIPTION "This trap is sent
                                when POWER SUPPLY status is changed."
    ::= 314

alarmTrapPnSTDIfCableShort    TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDIfCableShort
                                }
    DESCRIPTION "This trap is sent
                                when IF CABLE SHORT status is changed."
    ::= 315

alarmTrapPnSTDLoF      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDLoF
                                }

```

DESCRIPTION "This trap is sent
when LOF status is changed."
::= 316

```
alarmTrapPnSTDCableEQLAlarm TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnSeverity,
    pnAlarmType,
    pnProbableCause,
    pnTrapSource,
    alarmItemPnSTDCableEQLAlarm
  }
```

DESCRIPTION "This trap is sent
when CABLE EQL status is changed."
::= 317

```
alarmTrapPnSTDXRefAlarm TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnSeverity,
    pnAlarmType,
    pnProbableCause,
    pnTrapSource,
    alarmItemPnSTDXRefAlarm
  }
```

DESCRIPTION "This trap is sent
when XREF status is changed."
::= 318

```
alarmTrapPnSTDIntfcMAlarm TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnSeverity,
    pnAlarmType,
    pnProbableCause,
    pnTrapSource,
    alarmItemPnSTDIntfcMAlarm
  }
```

DESCRIPTION "This trap is sent
when INTFC(1) MODULE status is changed."
::= 319

```
alarmTrapPnSTDIntfcMUneq TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnSeverity,
    pnAlarmType,
```

```

        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDIntfcMUneq
    }

```

```

DESCRIPTION "This trap is sent
              when INTFC(1) UNEQUIPPED status is changed."

```

```

::= 320

```

```

alarmTrapPnSTDInputLos  TRAP-TYPE
    ENTERPRISE          pasolinkNeoStd
    VARIABLES            {
                            pnTrapSequenceNumber,
                            pnTrapDate,
                            pnTrapTime,
                            pnSeverity,
                            pnAlarmType,
                            pnProbableCause,
                            pnTrapSource,
                            alarmItemPnSTDInputLos
                        }

```

```

DESCRIPTION "This trap is sent
              when INPUT LOS CHxx(xx : 01-48) or WS INPUT LOS status

```

```

is changed."

```

```

::= 321

```

```

alarmTrapPnSTDLosMUXWork  TRAP-TYPE
    ENTERPRISE            pasolinkNeoStd
    VARIABLES              {
                            pnTrapSequenceNumber,
                            pnTrapDate,
                            pnTrapTime,
                            pnSeverity,
                            pnAlarmType,
                            pnProbableCause,
                            pnTrapSource,
                            alarmItemPnSTDLosMUXWork
                        }

```

```

DESCRIPTION "This trap is sent
              when STM-1(1) LOS(MUX) status is changed."

```

```

::= 323

```

```

alarmTrapPnSTDLosDMRWork  TRAP-TYPE
    ENTERPRISE            pasolinkNeoStd
    VARIABLES              {
                            pnTrapSequenceNumber,
                            pnTrapDate,
                            pnTrapTime,
                            pnSeverity,
                            pnAlarmType,
                            pnProbableCause,
                            pnTrapSource,
                            alarmItemPnSTDLosDMRWork
                        }

```

```

DESCRIPTION "This trap is sent
              when STM-1(1) LOS(DMR) status is changed."

```

```

::= 324

```

```

alarmTrapPnSTDUsageError  TRAP-TYPE
    ENTERPRISE            pasolinkNeoStd
    VARIABLES              {

```

```

        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDUsageError
    }
    DESCRIPTION "This trap is sent
        when USAGE ERROR CHxx(xx : 01-48) status is changed."
    ::= 325

alarmTrapPnSTDLink      TRAP-TYPE
ENTERPRISE              pasolinkNeoStd
VARIABLES               {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLink
    }
    DESCRIPTION "This trap is sent
        when LAN LINK PORTx(x : 1-4) status is changed."
    ::= 326

alarmTrapPnSTDEBERMUXWork  TRAP-TYPE
ENTERPRISE                 pasolinkNeoStd
VARIABLES                  {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDEBERMUXWork
    }
    DESCRIPTION "This trap is sent
        when STM-1(1) E-BER(MUX) status is changed."
    ::= 328

alarmTrapPnSTDEBERDMRWork  TRAP-TYPE
ENTERPRISE                 pasolinkNeoStd
VARIABLES                  {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDEBERDMRWork
    }
    DESCRIPTION "This trap is sent
        when STM-1(1) E-BER(DMR) status is changed."
    ::= 329

```

```

alarmTrapPnSTDSDMUXWork      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
                        pnTrapSequenceNumber,
                        pnTrapDate,
                        pnTrapTime,
                        pnSeverity,
                        pnAlarmType,
                        pnProbableCause,
                        pnTrapSource,
                        alarmItemPnSTDSDMUXWork
                    }
    DESCRIPTION "This trap is sent
                when STM-1(1) SD(MUX) status is changed."
    ::= 330

```

```

alarmTrapPnSTDSDDMRWork      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
                        pnTrapSequenceNumber,
                        pnTrapDate,
                        pnTrapTime,
                        pnSeverity,
                        pnAlarmType,
                        pnProbableCause,
                        pnTrapSource,
                        alarmItemPnSTDSDDMRWork
                    }
    DESCRIPTION "This trap is sent
                when STM-1(1) SD(DMR) status is changed."
    ::= 331

```

```

alarmTrapPnSTDIntfcSAlarm      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
                        pnTrapSequenceNumber,
                        pnTrapDate,
                        pnTrapTime,
                        pnSeverity,
                        pnAlarmType,
                        pnProbableCause,
                        pnTrapSource,
                        alarmItemPnSTDIntfcSAlarm
                    }
    DESCRIPTION "This trap is sent
                when INTFC(2) MODULE status is changed."
    ::= 332

```

```

alarmTrapPnSTDIntfcSUneq      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
                        pnTrapSequenceNumber,
                        pnTrapDate,
                        pnTrapTime,
                        pnSeverity,
                        pnAlarmType,
                        pnProbableCause,
                        pnTrapSource,
                        alarmItemPnSTDIntfcSUneq
                    }

```

```

    }
    DESCRIPTION "This trap is sent
                when INTFC(2) UNEQUIPPED status is changed."
    ::= 333

```

```

alarmTrapPnSTDLosMUXProt      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLosMUXProt
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) LOS(MUX) status is changed."
    ::= 334

```

```

alarmTrapPnSTDEBERMUXProt    TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDEBERMUXProt
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) E-BER(MUX) status is changed."
    ::= 335

```

```

alarmTrapPnSTDEBERDMRProt    TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDEBERDMRProt
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) E-BER(DMR) status is changed."
    ::= 336

```

```

alarmTrapPnSTDSDMUXProt      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,

```



```

        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDSDMUXProt
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) SD(MUX) status is changed."
 ::= 337

alarmTrapPnSTDSDDMRProt TRAP-TYPE
    ENTERPRISE          pasolinkNeoStd
    VARIABLES           {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDSDDMRProt
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) SD(DMR) status is changed."
 ::= 338

alarmTrapPnSTDWSLos TRAP-TYPE
    ENTERPRISE          pasolinkNeoStd
    VARIABLES           {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDWSLos
    }
    DESCRIPTION "This trap is sent
                when WS INPUT LOS status is changed."
 ::= 339

alarmTrapPnSTDSClanLink TRAP-TYPE
    ENTERPRISE          pasolinkNeoStd
    VARIABLES           {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDSClanLink
    }
    DESCRIPTION "This trap is sent
                when INTFC(2) LAN LINK PORTx(x : 1-2) status is changed."
 ::= 340

alarmTrapPnSTDCTRLAlarm TRAP-TYPE
    ENTERPRISE          pasolinkNeoStd
    VARIABLES           {

```

```

        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDCTRLAlarm
    }
    DESCRIPTION "This trap is sent
                when CTRL MODULE status is changed."
    ::= 342

alarmTrapPnSTDAPSSWFail TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDAPSSWFail
    }
    DESCRIPTION "This trap is sent
                when APS SW FAIL status is changed."
    ::= 344

alarmTrapPnSTDTCn15minTotalOFS TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn15minTotalOFS
    }
    DESCRIPTION "This trap is sent
                when TCN-OFS-15min TOTAL status is changed."
    ::= 346

alarmTrapPnSTDTCn15minTotalUAS TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn15minTotalUAS
    }
    DESCRIPTION "This trap is sent
                when TCN-UAS-15min TOTAL status is changed."
    ::= 347

```

```

alarmTrapPnSTDTCn15minTotalES TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDTCn15minTotalES
                        }
    DESCRIPTION "This trap is sent
                                when TCN-ES-15min TOTAL status is changed."
::= 348

```

```

alarmTrapPnSTDTCn15minTotalSES TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDTCn15minTotalSES
                        }
    DESCRIPTION "This trap is sent
                                when TCN-SES-15min TOTAL status is changed."
::= 349

```

```

alarmTrapPnSTDTCn15minTotalBBE TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDTCn15minTotalBBE
                        }
    DESCRIPTION "This trap is sent
                                when TCN-BBE-15min TOTAL status is changed."
::= 350

```

```

alarmTrapPnSTDTCn15minTotalSEP TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnSeverity,
                                pnAlarmType,
                                pnProbableCause,
                                pnTrapSource,
                                alarmItemPnSTDTCn15minTotalSEP
                        }

```

```

    }
    DESCRIPTION "This trap is sent
                when TCN-SEP-15min TOTAL status is changed."
    ::= 351

alarmTrapPnSTDTcn15minCHUAS TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTcn15minCHUAS
    }
    DESCRIPTION "This item is not used.
                This trap is sent
                when TCN-UAS-15min CHxx(xx : 1-48 only selected 4ch.)
                status is changed."
    ::= 353

alarmTrapPnSTDTcn15minCHES TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTcn15minCHES
    }
    DESCRIPTION "This item is not used.
                This trap is sent
                when TCN-ES-15min CHxx(xx : 1-48 only selected 4ch.)
                status is changed."
    ::= 354

alarmTrapPnSTDTcn15minCHSES TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTcn15minCHSES
    }
    DESCRIPTION "This item is not used.
                This trap is sent
                when TCN-SES-15min CHxx(xx : 1-48 only selected 4ch.)
                status is changed."
    ::= 355

alarmTrapPnSTDTcn15minCHBBE TRAP-TYPE

```

```

ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDTCn15minCHBBE
            }
DESCRIPTION "This item is not used.
            This trap is sent
            when TCN-BBE-15min CHxx(xx : 1-48 only selected 4ch.)
            status is changed."

```

::= 356

```

alarmTrapPnSTDTCn15minCHSEP TRAP-TYPE
ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDTCn15minCHSEP
            }
DESCRIPTION "This item is not used.
            This trap is sent
            when TCN-SEP-15min CHxx(xx : 1-48 only selected 4ch.)
            status is changed."

```

::= 357

```

alarmTrapPnSTDTCn1dayTotalOFS TRAP-TYPE
ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDTCn1dayTotalOFS
            }
DESCRIPTION "This trap is sent
            when TCN-OFS-1day TOTAL status is changed."

```

::= 358

```

alarmTrapPnSTDTCn1dayTotalUAS TRAP-TYPE
ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,

```

```

        pnTrapSource,
        alarmItemPnSTDTCn1dayTotalUAS
    }
    DESCRIPTION "This trap is sent
        when TCN-UAS-1day TOTAL status is changed."
    ::= 359

alarmTrapPnSTDTCn1dayTotalIES TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn1dayTotalIES
    }
    DESCRIPTION "This trap is sent
        when TCN-ES-1day TOTAL status is changed."
    ::= 360

alarmTrapPnSTDTCn1dayTotalSES TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn1dayTotalSES
    }
    DESCRIPTION "This trap is sent
        when TCN-SES-1day TOTAL status is changed."
    ::= 361

alarmTrapPnSTDTCn1dayTotalBBE TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn1dayTotalBBE
    }
    DESCRIPTION "This trap is sent
        when TCN-BBE-1day TOTAL status is changed."
    ::= 362

alarmTrapPnSTDTCn1dayTotalSEP TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,

```

```

        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn1dayTotalSEP
    }
    DESCRIPTION "This trap is sent
        when TCN-SEP-1day TOTAL status is changed."
    ::= 363

alarmTrapPnSTDTCn1dayCHUAS    TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES    {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn1dayCHUAS
    }
    DESCRIPTION "This item is not used.
        This trap is sent
        when TCN-UAS-1day CHxx(xx : 1-48 only selected 4ch.)
        status is changed."
    ::= 365

alarmTrapPnSTDTCn1dayCHES    TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES    {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn1dayCHES
    }
    DESCRIPTION "This item is not used.
        This trap is sent
        when TCN-ES-1day CHxx(xx : 1-48 only selected 4ch.)
        status is changed."
    ::= 366

alarmTrapPnSTDTCn1dayCHSES    TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES    {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTCn1dayCHSES
    }
    DESCRIPTION "This item is not used.

```

This trap is sent
when TCN-SES-1day CHxx(xx : 1-48 only selected 4ch.)
status is changed."

::= 367

```
alarmTrapPnSTDTcn1dayCHBBE TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnSeverity,
    pnAlarmType,
    pnProbableCause,
    pnTrapSource,
    alarmItemPnSTDTcn1dayCHBBE
  }
  DESCRIPTION "This item is not used.
    This trap is sent
    when TCN-BBE-1day CHxx(xx : 1-48 only selected 4ch.)
    status is changed."
```

::= 368

```
alarmTrapPnSTDTcn1dayCHSEP TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnSeverity,
    pnAlarmType,
    pnProbableCause,
    pnTrapSource,
    alarmItemPnSTDTcn1dayCHSEP
  }
  DESCRIPTION "This item is not used.
    This trap is sent
    when TCN-SEP-1day CHxx(xx : 1-48 only selected 4ch.)
    status is changed."
```

::= 369

```
alarmTrapPnSTDTcnUAEDMRWork TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnSeverity,
    pnAlarmType,
    pnProbableCause,
    pnTrapSource,
    alarmItemPnSTDTcnUAEDMRWork
  }
  DESCRIPTION "This trap is sent
    when Unavailable Event(TOTAL)
    (DIR-A side for PDH, INTFC(1) for STM-1)
    status is changed."
```

::= 370

```
alarmTrapPnSTDTcnUAEDMRProt TRAP-TYPE
```



```

ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDTCnUAEDMRProt
                }
DESCRIPTION "This trap is sent
            when Unavailable Event(TOTAL)
            (DIR-A side for PDH, INTFC(1) for STM-1)
            status is changed."

```

```

::= 371

```

```

alarmTrapPnSTDTCnTCS15minRxLev TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDTCnTCS15minRxLev
                }
DESCRIPTION "This trap is sent
            when TCN-RX LEV-15min status is changed."

```

```

::= 372

```

```

alarmTrapPnSTDTCnTCS1dayRxLev TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDTCnTCS1dayRxLev
                }
DESCRIPTION "This trap is sent
            when TCN-RX LEV-1day status is changed."

```

```

::= 373

```

```

alarmTrapPnSTDTRULORefAlarm TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDTRULORefAlarm
                }

```

```

    }
    DESCRIPTION "This trap is sent
                when LO REF status is changed."
    ::= 374

```

```

alarmTrapPnSTDLoMUXWork TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLoMUXWork
    }
    DESCRIPTION "This trap is sent
                when STM-1(1) LOF(MUX) status is changed."
    ::= 375

```

```

alarmTrapPnSTDLoDMRWork TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLoDMRWork
    }
    DESCRIPTION "This trap is sent
                when STM-1(1) LOF(DMR) status is changed."
    ::= 376

```

```

alarmTrapPnSTDLoDMRProt TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLoDMRProt
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) LOS(DMR) status is changed."
    ::= 377

```

```

alarmTrapPnSTDLoMUXProt TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,

```

```

        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLoFMUXProt
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) LOF(MUX) status is changed."
 ::= 378

alarmTrapPnSTDLoFDMRProt TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLoFDMRProt
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) LOF(DMR) status is changed."
 ::= 379

alarmTrapPnSTDStm1TFWorkAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDStm1TFWorkAlarm
    }
    DESCRIPTION "This trap is sent
                when STM-1(1) TF status is changed."
 ::= 380

alarmTrapPnSTDStm1TFProtAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDStm1TFProtAlarm
    }
    DESCRIPTION "This trap is sent
                when STM-1(2) TF status is changed."
 ::= 381

alarmTrapPnSTDTCnUAEMUXWork TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {

```

```

        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTcnUAEMUXWork
    }
    DESCRIPTION "This trap is sent
        when STM-1(1) Unavailable Event(MUX) status is changed."
    ::= 382

alarmTrapPnSTDTcnUAEMUXProt TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTcnUAEMUXProt
    }
    DESCRIPTION "This trap is sent
        when STM-1(2) Unavailable Event(MUX) status is changed."
    ::= 383

alarmTrapPnSTDAuxClusterAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDAuxClusterAlarm
    }
    DESCRIPTION "This trap is sent
        when AUX Cluster Alarm Index status is changed.

        This is not used.
        This trap is sent
        when CLUSTERx ALARM(x : 1-4) status is changed."
    ::= 384

alarmTrapPnSTDLinearizerFail TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDLinearizerFail
    }

```

```

    }
    DESCRIPTION "This trap is sent
                when LINEARIZER or MODEM LINEARIZER status is
changed."
::= 385

```

```

alarmTrapPnSTDRouteID TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDRouteID
    }

```

```

    DESCRIPTION "This trap is sent
                when FRAME ID status is changed."
::= 386

```

```

alarmTrapPnSTDEarlyWarning TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDEarlyWarning
    }

```

```

    DESCRIPTION "This trap is sent
                when EARLY WARNING status is changed."
::= 387

```

```

alarmTrapPnSTDInputVoltage TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDInputVoltage
    }

```

```

    DESCRIPTION "This trap is sent
                when INPUT VOLTAGE status is changed."
::= 388

```

```

alarmTrapPnSTDIntfcMTypeMismatch TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,

```

```

        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDIntfcMTypeMismatch
    }
    DESCRIPTION "This trap is sent
        when INTFC(1) TYPE MISMATCH status is changed."
    ::= 389

alarmTrapPnSTDIntfcSTypeMismatch TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDIntfcSTypeMismatch
    }
    DESCRIPTION "This trap is sent
        when INTFC(2) TYPE MISMATCH status is changed."
    ::= 390

alarmTrapPnSTDXpicModeMismatch TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDXpicModeMismatch
    }
    DESCRIPTION "This trap is sent
        when XPIC MODE MISMATCH status is changed."
    ::= 391

alarmTrapPnSTDXControlAlarm TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDXControlAlarm
    }
    DESCRIPTION "This trap is sent
        when XCTRL status is changed."
    ::= 392

alarmTrapPnSTDGbELink TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd

```

```

VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDGbELink
            }
DESCRIPTION "This trap is sent
              when GbE LAN Link Port status is changed."
::= 393

alarmTrapPnSTDModemTypeMismatch TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDModemTypeMismatch
            }
::= 394

alarmTrapPnSTDTRUTypeMismatch TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDTRUTypeMismatch
            }
::= 395

alarmTrapPnSTDStackConnection TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnSeverity,
                pnAlarmType,
                pnProbableCause,
                pnTrapSource,
                alarmItemPnSTDStackConnection
            }
::= 396

alarmTrapPnSTDTRULinearizer TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,

```

```

        pnTrapDate,
        pnTrapTime,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnTrapSource,
        alarmItemPnSTDTRULinearizer
    }

::= 399

eventTrapPnSTDtxMuteStatus TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDtxMuteStatus
    }
    DESCRIPTION "This trap is sent
        when MUTE STATUS status is changed."

::= 403

eventTrapPnSTDtxSWStatus TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDtxSWStatus
    }
    DESCRIPTION "This trap is sent
        when TX SW STATUS status is changed."

::= 404

eventTrapPnSTDsCLanLinkLossForward TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDsCLanLinkLossForward
    }
    DESCRIPTION "This trap is sent
        when INTFC(2) LLF PORTx status is changed."

::= 405

eventTrapPnSTDRxSWStatus TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDRxSWStatus
    }
    DESCRIPTION "This trap is sent
        when RX SW STATUS status is changed."

```


::= 406

```

eventTrapPnSTDXPICFuncStatus TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnTrapSource,
    eventItemPnSTDXPICFuncStatus
  }
  DESCRIPTION "This trap is sent
               when XPIC STATUS status is changed."

```

::= 407

```

eventTrapPnSTDLinearizerFunc TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnTrapSource,
    eventItemPnSTDLinearizerFunc
  }
  DESCRIPTION "This trap is sent
               when LINEARIZER FUNCTION status is changed."

```

::= 408

```

eventTrapPnSTDFadeDepthStatus TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnTrapSource,
    eventItemPnSTDFadeDepthStatus
  }
  DESCRIPTION "This item is not used.
               This trap is sent
               when FADING STATUS status is changed."

```

::= 409

```

eventTrapPnSTDSTM1OutContWork TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnTrapSource,
    eventItemPnSTDSTM1OutContWork
  }
  DESCRIPTION "This trap is sent
               when STM-1(1) OUTPUT CONTROL status is changed."

```

::= 410

```

eventTrapPnSTDAisGeneratedCH TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,

```

```

        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDAisGeneratedCH
    }
    DESCRIPTION "This trap is sent
        when AIS GENERATED CHxx(xx : 01-48) or WS AIS
GENERATED status is changed."
    ::= 411

```

```

eventTrapPnSTDAisReceivedCH    TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES    {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDAisReceivedCH
    }
    DESCRIPTION "This trap is sent
        when AIS RECEIVED CHxx(xx : 01-48) or WS AIS
RECEIVED status is changed."
    ::= 412

```

```

eventTrapPnSTDLinkLossForward    TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES    {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDLinkLossForward
    }
    DESCRIPTION "This trap is sent
        when LLF PORTx(x : 1-4) status is changed."
    ::= 413

```

```

eventTrapPnSTDSpeedDuplex    TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES    {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDSpeedDuplex
    }
    DESCRIPTION "This trap is sent
        when SPEED & DUPLEX PORTx(x : 1-4) status is changed."
    ::= 414

```

```

eventTrapPnSTDInphaseWork    TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES    {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDInphaseWork
    }
    DESCRIPTION "This trap is sent
        when INTFC(1) INPHASE status is changed."

```

::= 415

```

eventTrapPnSTDSTM1OutContProt TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDSTM1OutContProt
                        }
    DESCRIPTION "This trap is sent
                                when STM-1(2) OUTPUT CONTROL status is changed."
::= 416

```

```

eventTrapPnSTDInphaseProt TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDInphaseProt
                        }
    DESCRIPTION "This trap is sent
                                when INTFC(2) INPHASE status is changed."
::= 417

```

```

eventTrapPnSTDWSAisGeneratedCH TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDWSAisGeneratedCH
                        }
    DESCRIPTION "This trap is sent
                                when WS AIS GENERATED status is changed."
::= 418

```

```

eventTrapPnSTDWSAisReceivedCH TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDWSAisReceivedCH
                        }
    DESCRIPTION "This trap is sent
                                when WS AIS RECEIVED status is changed."
::= 419

```

```

eventTrapPnSTDCHUsage TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,

```

```

        pnTrapSource,
        eventItemPnSTDCHUsage
    }
    DESCRIPTION "This trap is sent
        when CH USAGE(CHxx)(xx : 01-48) status is changed."
    ::= 420

eventTrapPnSTDCHCondition TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDCHCondition
    }
    DESCRIPTION "This trap is sent
        when CH CONDITION status is changed."
    ::= 421

eventTrapPnSTDCHIImpedance TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDCHIImpedance
    }
    DESCRIPTION "This trap is sent
        when E1 PORT IMPEDANCE status is changed."
    ::= 422

eventTrapPnSTDMSAisGeneration TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMSAisGeneration
    }
    DESCRIPTION "This trap is sent
        when MS-AIS GENERATION status is changed."
    ::= 423

eventTrapPnSTDDxcFunction TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDDxcFunction
    }
    DESCRIPTION "This trap is sent
        when DXC FUNCTION status is changed."
    ::= 424

eventTrapPnSTDDxcCHSetting TRAP-TYPE

```

```

ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDDxcCHSetting
            }
DESCRIPTION "This trap is sent
                when DXC CH Setting status is changed."
::= 425

```

```

eventTrapPnSTDDxcAssign TRAP-TYPE
ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDDxcAssign
            }
DESCRIPTION "This item is not used.
                This trap is sent
                when DXC ASSIGNMENT CHANGED status is changed."
::= 426

```

```

eventTrapPnSTDBERThreshold TRAP-TYPE
ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDBERThreshold
            }
DESCRIPTION "This trap is sent
                when BER THRESHOLD SETTING status is changed."
::= 427

```

```

eventTrapPnSTDSubIntfc TRAP-TYPE
ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDSubIntfc
            }
DESCRIPTION "This trap is sent
                when SUB INTERFACE or WAYSIDE SETTING status is
changed."
::= 428

```

```

eventTrapPnSTDSCAssign TRAP-TYPE
ENTERPRISE    pasolinkNeoStd
VARIABLES    {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,

```

```

                                eventItemPnSTDSCAssign
                                }
DESCRIPTION "This trap is sent
                                when SC ASSIGNMENT status is changed."
 ::= 429

eventTrapPnSTDLanPortSetting TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDLanPortSetting
                                }
DESCRIPTION "This trap is sent
                                when LAN PORT SETTING status is changed."
 ::= 430

eventTrapPnSTDAlsFunction TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDAlsFunction
                                }
DESCRIPTION "This trap is sent
                                when ALS FUNCTION status is changed."
 ::= 431

eventTrapPnSTDtxPowerContValue TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDtxPowerContValue
                                }
DESCRIPTION "This trap is sent
                                when TX POWER CTRL status is changed."
 ::= 432

eventTrapPnSTDSClanSpeedDuplex TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDSClanSpeedDuplex
                                }
DESCRIPTION "This trap is sent
                                when INTFC(2) SPEED & DUPLEX PORTx status is
changed."
 ::= 435

eventTrapPnSTDswCondTxRx TRAP-TYPE

```

```

ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDSWCondTxRx
                }
DESCRIPTION "This trap is sent
            when CONDITION for TX/RX SW status is changed."
::= 436

eventTrapPnSTDSWCondAPS TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDSWCondAPS
                }
DESCRIPTION "This trap is sent
            when CONDITION for APS status is changed."
::= 437

eventTrapPnSTDRelayConfigData TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDRelayConfigData
                }
DESCRIPTION "This trap is sent
            when RELAY CONFIGURATION status is changed."
::= 438

eventTrapPnSTDRelayClusterAssign TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDRelayClusterAssign
                }
DESCRIPTION "This trap is sent
            when CLUSTER INPUT status is changed."
::= 439

eventTrapPnSTDTCNTreshold15minTotal TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDTCNTreshold15minTotal
                }

```

DESCRIPTION "This trap is sent
when TCN THRESHOLD 15MIN TOTAL status is changed."
::= 440

```
eventTrapPnSTDTCNTreshold15minCH      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDTCNTreshold15minCH
    }
```

DESCRIPTION "This item is not used.
This trap is sent
when TCN THRESHOLD 15MIN CH status is changed."
::= 441

```
eventTrapPnSTDTCNTreshold1dayTotal    TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDTCNTreshold1dayTotal
    }
```

DESCRIPTION "This trap is sent
when TCN THRESHOLD 1DAY TOTAL status is changed."
::= 442

```
eventTrapPnSTDTCNTreshold1dayCH      TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDTCNTreshold1dayCH
    }
```

DESCRIPTION "This item is not used.
This trap is sent
when TCN THRESHOLD 1day CH status is changed."
::= 443

```
eventTrapPnSTDFadingDepthThreshold    TRAP-TYPE
    ENTERPRISE      pasolinkNeoStd
    VARIABLES      {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDFadingDepthThreshold
    }
```

DESCRIPTION "This item is not used.
This trap is sent
when FADING STATUS THRESHOLD status is changed."
::= 444

```
eventTrapPnSTDXpicCondLOSignalFail    TRAP-TYPE
```



```

ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDXpicCondLOSignalFail
                }
DESCRIPTION "This trap is sent
            when XPIC CONDITION-LOCAL FAIL status is changed."
::= 445

```

```

eventTrapPnSTDEOWIntfcType  TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDEOWIntfcType
                }
DESCRIPTION "This trap is sent
            when EOW2 EXTERNAL SETTING status is changed."
::= 446

```

```

eventTrapPnSTDAlarmCorrelation  TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDAlarmCorrelation
                }
DESCRIPTION "This trap is sent
            when ALARM CORRELATION CAPABILITY status is
changed."
::= 447

```

```

eventTrapPnSTDPmonSelect  TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDPmonSelect
                }
DESCRIPTION "This trap is sent
            when PMON SELECT status is changed."
::= 448

```

```

eventTrapPnSTDMaintMode  TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDMaintMode
                }

```

```

    }
    DESCRIPTION "This trap is sent
                when MAINTENANCE status is changed."
    ::= 449

eventTrapPnSTDMaintLoopback1CH TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintLoopback1CH
    }
    DESCRIPTION "This trap is sent
                when MAIN CH LOOPBACK-1(CHxx)(xx:01-48) status is
changed."
    ::= 453

eventTrapPnSTDMaintLoopback2CH TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintLoopback2CH
    }
    DESCRIPTION "This trap is sent
                when MAIN CH LOOPBACK-2(DIR-A)(CHxx)(xx:01-48)
                status is changed."
    ::= 454

eventTrapPnSTDMaintLoopback1Work      TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintLoopback1Work
    }
    DESCRIPTION "This trap is sent
                when MAIN LOOPBACK-1 INTFC(1) status is changed."
    ::= 455

eventTrapPnSTDMaintLoopback2      TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES     {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintLoopback2
    }
    DESCRIPTION "This trap is sent
                when MAIN LOOPBACK-2 status is changed."
    ::= 456

eventTrapPnSTDMaintDADEAdjust  TRAP-TYPE

```

```

ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDMaintDADEAdjust
                }
DESCRIPTION "This item is not used.
            This trap is sent
            when DADE ADJUST status is changed."

::= 457

```

```

eventTrapPnSTDMaintDADEAdjustEn      TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDMaintDADEAdjustEn
                }
DESCRIPTION "This item is not used.
            This trap is sent
            when DADE ADJUST ENABLE status is changed."

::= 458

```

```

eventTrapPnSTDMaintLanDeviceReset      TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDMaintLanDeviceReset
                }
DESCRIPTION "This item is not used.
            This trap is sent
            when LAN DEVICE RESET status is changed."

::= 459

```

```

eventTrapPnSTDMaintAlsRestart      TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDMaintAlsRestart
                }
DESCRIPTION "This item is not used.
            This trap is sent
            when ALS RESTART status is changed."

::= 460

```

```

eventTrapPnSTDMaintAlsManualRestart      TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,

```

```

        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintAlsManualRestart
    }
    DESCRIPTION "This item is not used.
        This trap is sent
        when MANUAL RESTART status is changed."
    ::= 461

eventTrapPnSTDMaintATPCManualControl TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintATPCManualControl
    }
    DESCRIPTION "This trap is sent
        when ATPC MANUAL CONTROL status is changed."
    ::= 462

eventTrapPnSTDMaintATPCManualContPower TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintATPCManualContPower
    }
    DESCRIPTION "This trap is sent
        when ATPC Manual Control Power status is changed."
    ::= 463

eventTrapPnSTDMaintTxMuteControl TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintTxMuteControl
    }
    DESCRIPTION "This trap is sent
        when TX MUTE CONTROL status is changed."
    ::= 464

eventTrapPnSTDMaintTxMuteContReleaseTime TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintTxMuteContReleaseTime
    }
    DESCRIPTION "This trap is sent
        when TX Mute Off Control Time status is changed."
    ::= 465

```

```

eventTrapPnSTDMaintCW TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintCW
    }
    DESCRIPTION "This trap is sent
                when CW CONTROL status is changed."
    ::= 466

```

```

eventTrapPnSTDMaintIfLoopback TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintIfLoopback
    }
    DESCRIPTION "This trap is sent
                when IF LOOPBACK status is changed."
    ::= 467

```

```

eventTrapPnSTDMaintForcedXPICCont TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintForcedXPICCont
    }
    DESCRIPTION "This trap is sent
                when XPIC CONTROL status is changed."
    ::= 468

```

```

eventTrapPnSTDMaintForcedLinearizerCont TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintForcedLinearizerCont
    }
    DESCRIPTION "This trap is sent
                when LINEARIZER CONTROL status is changed."
    ::= 469

```

```

eventTrapPnSTDMaintRFShiftFreqSet TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
    }

```

```

        eventItemPnSTDMaintRFShiftFreqSet
    }
    DESCRIPTION "This item is not used.
        This trap is sent
            when RF SHIFT FREQUENCY[MHz] status is changed."
    ::= 471

```

```

eventTrapPnSTDMaintAntennaAlignMode TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMaintAntennaAlignMode
    }
    DESCRIPTION "This trap is sent
        when ANTENNA ALIGNMENT MODE status is changed."
    ::= 472

```

```

eventTrapPnSTDInvUpdateMainWorkModule TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDInvUpdateMainWorkModule
    }
    DESCRIPTION "This trap is sent
        when INTFC(1) PKG CHANGED status is changed."
    ::= 473

```

```

eventTrapPnSTDInvUpdateSubProtModule TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDInvUpdateSubProtModule
    }
    DESCRIPTION "This trap is sent
        when INTFC(2) PKG CHANGED status is changed."
    ::= 474

```

```

eventTrapPnSTDInvUpdateSummary TRAP-TYPE
    ENTERPRISE    pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDInvUpdateSummary
    }
    DESCRIPTION "This trap is sent
        when INVENTORY UPDATE INFO SUMMARY status is
changed."
    ::= 475

```

```

eventTrapPnSTDLanCollision TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDLanCollision
    }
    DESCRIPTION "This trap is sent
        when LAN COLLISION PORTx(x : 1-4) status is changed."
    ::= 476

```

```

eventTrapPnSTDSClanCollision TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDSClanCollision
    }
    DESCRIPTION "This trap is sent
        when INTFC(2) LAN COLLISION PORTx(x : 1-2) status is
changed."
    ::= 477

```

```

eventTrapPnSTDAPSStatus TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDAPSStatus
    }
    DESCRIPTION "This trap is sent
        when APS ONLINE STATUS status is changed."
    ::= 478

```

```

eventTrapPnSTDAtpcPowerModeStatus TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDAtpcPowerModeStatus
    }
    DESCRIPTION "This trap is sent
        when ATPC POWER MODE status is changed."
    ::= 480

```

```

eventTrapPnSTDAuxOutput TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
    }

```

```

                                eventItemPnSTDAuxOutput
                                }
DESCRIPTION "This trap is sent
                                when ITEM NAME(OUTPUT-x)(x : 1-4) status is changed."
::= 481

eventTrapPnSTDMMCMount      TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDMMCMount
                                }
DESCRIPTION "This trap is sent
                                when MMC MOUNT status is changed."
::= 482

eventTrapPnSTDAPSLockinStatus  TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDAPSLockinStatus
                                }
DESCRIPTION "This trap is sent
                                when APS LOCK IN STATUS status is changed."
::= 483

eventTrapPnSTDMaintLoopback1Prot  TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDMaintLoopback1Prot
                                }
DESCRIPTION "This trap is sent
                                when MAIN LOOPBACK-1 INTFC(2) status is changed."
::= 484

eventTrapPnSTDMaintTxSWMode  TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                                pnTrapSequenceNumber,
                                pnTrapDate,
                                pnTrapTime,
                                pnTrapSource,
                                eventItemPnSTDMaintTxSWMode
                                }
DESCRIPTION "This trap is sent
                                when TX SW MODE status is changed."
::= 485

eventTrapPnSTDMaintRxSWMode  TRAP-TYPE
ENTERPRISE      pasolinkNeoStd

```



```

VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDMaintRxSWMode
            }
DESCRIPTION "This trap is sent
            when RX SW MODE status is changed."
::= 486

eventTrapPnSTDMaintAPSSWMode TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDMaintAPSSWMode
            }
DESCRIPTION "This trap is sent
            when APS SW MODE status is changed."
::= 487

eventTrapPnSTDGbELinkLossForward TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDGbELinkLossForward
            }
DESCRIPTION "This trap is sent
            when GbE Link Loss Forwarding Port status is changed."
::= 488

eventTrapPnSTDGbESpeedDuplex TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDGbESpeedDuplex
            }
DESCRIPTION "This trap is sent
            when GbE Speed & Duplex status is changed."
::= 489

eventTrapPnSTDMaintLoopback3CH TRAP-TYPE
ENTERPRISE      pasolinkNeoStd
VARIABLES      {
                pnTrapSequenceNumber,
                pnTrapDate,
                pnTrapTime,
                pnTrapSource,
                eventItemPnSTDMaintLoopback3CH
            }
DESCRIPTION "This trap is sent

```

changed."
when Main CH Loopback-2(DIR-B)(CHxx)(xx:01-48) status is

::= 490

```

eventTrapPnSTDGbELanCollision TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDGbELanCollision
    }
    DESCRIPTION "This trap is sent
        when GbE LAN Collision Port1(Main) status is changed."
::= 491

```

```

eventTrapPnSTDVlanPortSetting TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDVlanPortSetting
    }
    DESCRIPTION "This trap is sent
        when VLAN PORT SETTING status is changed."
::= 492

```

```

eventTrapPnSTDVlanPort4Setting TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDVlanPort4Setting
    }
    DESCRIPTION "This trap is sent
        when VLAN PORT4 SETTING status is changed."
::= 493

```

```

eventTrapPnSTDVlanSetting TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDVlanSetting
    }
    DESCRIPTION "This trap is sent
        when VLAN SETTING status is changed."
::= 494

```

```

eventTrapPnSTDQosSetting TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,

```

```

        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDQosSetting
    }
    DESCRIPTION "This trap is sent
                  when QoS SETTING status is changed."
    ::= 495

statusTrapPnSTDAuxInput TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        pnSeverity,
        pnAlarmType,
        pnProbableCause,
        pnStatusTypeAux,
        statusItemPnSTDAuxInput
    }
    DESCRIPTION "This trap is sent
                  when ITEM NAME(INPUT-x)(x : 1-6) status is changed."
    ::= 501

systemTrapPnSTDGetResult TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pngmiRequestID,
        pngmiTargetPasolink,
        pngmiDataStatus
    }
    ::= 601

eventTrapPnSTDMainLanModeSetting TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDMainLanModeSetting
    }
    DESCRIPTION "This trap is sent
                  when Main LAN Mode Setting status is changed."
    ::= 1701

eventTrapPnSTDtxSWLockInStatus TRAP-TYPE
    ENTERPRISE pasolinkNeoStd
    VARIABLES {
        pnTrapSequenceNumber,
        pnTrapDate,
        pnTrapTime,
        pnTrapSource,
        eventItemPnSTDtxSWLockInStatus
    }

```

DESCRIPTION "This trap is sent
when TX SW LOCK IN STATUS status is changed."
::= 1703

```
eventTrapPnSTDSWCondTxSWLockIn TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnTrapSource,
    eventItemPnSTDSWCondTxSWLockIn
  }
```

DESCRIPTION "This trap is sent
when CONDITION for TX/RX SW status is changed."
::= 1704

```
eventTrapPnSTDTxSWReverseReq TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnTrapSource,
    eventItemPnSTDTxSWReverseReq
  }
```

DESCRIPTION "This trap is sent
when TX SW REVERSE REQUEST status is changed."
::= 1705

```
eventTrapPnSTDTxSWSensitivity TRAP-TYPE
  ENTERPRISE pasolinkNeoStd
  VARIABLES {
    pnTrapSequenceNumber,
    pnTrapDate,
    pnTrapTime,
    pnTrapSource,
    eventItemPnSTDTxSWSensitivity
  }
```

DESCRIPTION "This trap is sent
when TX SW SENSITIVITY status is changed."
::= 1706

-- pnAlarmStatusGroup Group Definitions

pnAsTrGroup OBJECT IDENTIFIER
::= { pnAlarmStatusGroup 1 }

pnTrSysGroupTable OBJECT-TYPE
SYNTAX SEQUENCE OF PnTrSysGroupEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "TR SYS Group Table"
::= { pnAsTrGroup 1 }

pnTrSysGroupEntry OBJECT-TYPE
SYNTAX PnTrSysGroupEntry

```

ACCESS      not-accessible
STATUS      mandatory
INDEX      {
                                pnTrGroupPasolIndex,
                                pnTrGroupIndex
                                }
::= { pnTrSysGroupTable 1 }

```

```

PnTrSysGroupEntry ::= SEQUENCE {
                                pnTrGroupPasolIndex IpAddress,
                                pnTrGroupIndex      INTEGER,
                                pnTxPowerAlarm      NormalAlarmValue,
                                pnTxInputAlarm      NormalAlarmValue,
                                pnRxLevelAlarm      NormalAlarmValue,
                                pnApcAlarm          NormalAlarmValue,
                                pnTruCpuAlarm      NormalAlarmValue,
                                pnTruLORefAlarm     NormalAlarmValue,
                                pnMuteStatus        OffOnValue,
                                pnTruTypeMismatch   NormalAlarmValue,
                                pnTruLinearizer      NormalAlarmValue
                                }

```

```

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

```

```

pnTrGroupIndex OBJECT-TYPE
    SYNTAX      INTEGER{
                                no1-dirA(1),
                                no2-dirB(2)
                                }
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "TR Group Index
                                1:No.1/DIR-A
                                2:No.2/DIR-B
                                No.2 is available for 1+1 system.
                                DIR-B is available 2-WAY system."
    ::= { pnTrSysGroupEntry 2 }

```

```

pnTxPowerAlarm OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "TX POWER
                                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                                TRAP=alarmTrapPnSTDTxPowerAlarm"
    ::= { pnTrSysGroupEntry 3 }

```

```

pnTxInputAlarm OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "TX INPUT
                                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                                TRAP=alarmTrapPnSTDTxInputAlarm"
    ::= { pnTrSysGroupEntry 4 }

```

pnRxLevelAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "RX LEVEL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDRxLevelAlarm"
 ::= { pnTrSysGroupEntry 5 }

pnApcAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "APC
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDApcAlarm"
 ::= { pnTrSysGroupEntry 6 }

pnTruCpuAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU CPU/CABLE OPEN
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDTRUCPUAlarm"
 ::= { pnTrSysGroupEntry 7 }

pnTruLORefAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LO REF
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDTRULORefAlarm"
 ::= { pnTrSysGroupEntry 8 }

pnMuteStatus OBJECT-TYPE

SYNTAX OffOnValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MUTE STATUS
 Refer to OffOnValue of TEXTUAL-CONVENTION
 TRAP=eventTrapPnSTDtxMuteStatus"
 ::= { pnTrSysGroupEntry 9 }

pnTruTypeMismatch OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU Type Mismatch
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDTRUTypeMismatch"
 ::= { pnTrSysGroupEntry 10 }

pnTruLinearizer OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ODU Linearizer"

Refer to NormalAlarmValue of TEXTUAL-CONVENTION
TRAP=alarmTrapPnSTDTRULinearizer"

::= { pnTrSysGroupEntry 11 }

pnTrSysGroupComTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnTrSysGroupComEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "TR SYS Group Table"
::= { pnAsTrGroup 2 }

pnTrSysGroupComEntry OBJECT-TYPE

SYNTAX PnTrSysGroupComEntry
ACCESS not-accessible
STATUS mandatory
INDEX {
pnTrGroupComPasoIndex
}
::= { pnTrSysGroupComTable 1 }

PnTrSysGroupComEntry ::= SEQUENCE {

pnTrGroupComPasoIndex IpAddress,
pnTxSWStatus INTEGER,
pnRxSWStatus INTEGER,
pnTxSWLockInStatus INTEGER,
pnTxSWReverseReq INTEGER
}

pnTrGroupComPasoIndex OBJECT-TYPE

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

pnTxSWStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "TX SW STATUS
0:Invalid,
1:No.1
2:No.2
This item is available for Hot stand-by system.
TRAP=eventTrapPnSTDtxSWStatus"
::= { pnTrSysGroupComEntry 2 }

pnRxSWStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "RX SW STATUS
0:Invalid,
1:No.1
2:No.2
This item is available for 1+1 system.
TRAP=eventTrapPnSTDRxSWStatus"
::= { pnTrSysGroupComEntry 3 }

pnTxSWLockInStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW LOCK IN STATUS
 0:Invalid,
 1:Normal,
 2:Lock in
 This item is available for 1+1 system.
 TRAP=eventTrapPnSTDtxSWLockInStatus"
 ::= { pnTrSysGroupComEntry 4 }

pnTxSWReverseReq OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW REVERSE REQUEST
 0:Invalid,
 1:Normal,
 2:Received,
 3:Executed
 This item is available for 1+1 system.
 TRAP=eventTrapPnSTDtxSWReverseReq"
 ::= { pnTrSysGroupComEntry 5 }

pnAsModemGroup OBJECT IDENTIFIER
 ::= { pnAlarmStatusGroup 2 }

pnModemSysGroupTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PnModemSysGroupEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Modem Sys Group Table"
 ::= { pnAsModemGroup 1 }

pnModemSysGroupEntry OBJECT-TYPE
 SYNTAX PnModemSysGroupEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnModemSysGroupPasoIndex,
 pnModemSysGroupIndex
 }
 ::= { pnModemSysGroupTable 1 }

PnModemSysGroupEntry ::= SEQUENCE {
 pnModemSysGroupPasoIndex IpAddress,
 pnModemSysGroupIndex INTEGER,
 pnModemAlarm NormalAlarmValue,
 pnModemUnequipped NormalAlarmValue,
 pnHighBERAlarm NormalAlarmValue,
 pnLowBERAlarm NormalAlarmValue,
 pnModAlarm NormalAlarmValue,
 pnDemAlarm NormalAlarmValue,
 pnXIFLevelAlarm NormalAlarmValue,
 pnXControlAlarm NormalAlarmValue,
 pnXpicFuncStatus INTEGER,
 pnPowerSupplyAlarm NormalAlarmValue,
 pnIfCableShortAlarm NormalAlarmValue,
 pnLof NormalAlarmValue,
 }

pnLinearizerFunc	INTEGER,
pnCableEQLAlarm	NormalAlarmValue,
pnFadingDepthStatus	INTEGER,
pnXRefAlarm	NormalAlarmValue,
pnLinearizerFail	NormalAlarmValue,
pnRouteId	NormalAlarmValue,
pnEarlyWarning	NormalAlarmValue,
pnAtpcPowerModeStatus	INTEGER,
pnInputVoltageAlarm	NormalAlarmValue,
pnModemTypeMismatch	NormalAlarmValue

}

pnModemSysGroupPasolIndex OBJECT-TYPE

SYNTAX	IpAddress
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Pasolink IP Address Index"

::= { pnModemSysGroupEntry 1 }

pnModemSysGroupIndex OBJECT-TYPE

SYNTAX	INTEGER{ no1-dirA(1), no2-dirB(2) }
ACCESS	not-accessible
STATUS	mandatory
DESCRIPTION	"Modem Group Index 1:No.1/DIR-A 2:No.2/DIR-B No.2 is available for 1+1 system. DIR-A/B is available for 2-WAY system."

::= { pnModemSysGroupEntry 2 }

pnModemAlarm OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"MODEM MODULE Refer to NormalAlarmValue of TEXTUAL-CONVENTION TRAP=alarmTrapPnSTDModemAlarm"

::= { pnModemSysGroupEntry 3 }

pnModemUnequipped OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"MODEM UNEQUIPPED Refer to NormalAlarmValue of TEXTUAL-CONVENTION TRAP=alarmTrapPnSTDModemUneq"

::= { pnModemSysGroupEntry 4 }

pnHighBERAlarm OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"HIGH BER Refer to NormalAlarmValue of TEXTUAL-CONVENTION TRAP=alarmTrapPnSTDHighBERAlarm"

::= { pnModemSysGroupEntry 5 }

pnLowBERAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LOW BER
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDLowBERAlarm"
 ::= { pnModemSysGroupEntry 6 }

pnModAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MOD
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDModAlarm"
 ::= { pnModemSysGroupEntry 7 }

pnDemAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "DEM
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDDemAlarm"
 ::= { pnModemSysGroupEntry 8 }

pnXIFLevelAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "XIF
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 This item is available for XPIC system.
 TRAP=alarmTrapPnSTDXIfLevelAlarm"
 ::= { pnModemSysGroupEntry 9 }

pnXControlAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 TRAP=alarmTrapPnSTDXContAlarm
 *)This value is fixed to 0."
 ::= { pnModemSysGroupEntry 10 }

pnXpicFuncStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "XPIC STATUS
 0:Invalid,
 1:Normal,
 2:Reset
 This item is available for XPIC system.
 TRAP=eventTrapPnSTDXPICFuncStatus"
 ::= { pnModemSysGroupEntry 11 }

pnPowerSupplyAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "POWER SUPPLY
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDPSAlarm"
 ::= { pnModemSysGroupEntry 12 }

pnIfCableShortAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "IF CABLE SHORT
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDIfCableShort"
 ::= { pnModemSysGroupEntry 13 }

pnLof OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LOF
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDLoF"
 ::= { pnModemSysGroupEntry 14 }

pnLinearizerFunc OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LINEARIZER FUNCTION
 0:Invalid,
 1:N/A,
 2:NON Operation,
 3:Operation
 TRAP=eventTrapPnSTDLinearizerFunc"
 ::= { pnModemSysGroupEntry 15 }

pnCableEQLAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CABLE EQL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDCableEQLAlarm"
 ::= { pnModemSysGroupEntry 16 }

pnFadingDepthStatus OBJECT-TYPE
 SYNTAX INTEGER(0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 0:Invalid,
 1:Normal,
 2:Occured
 TRAP=eventTrapPnSTDFadeDepthStatus"
 ::= { pnModemSysGroupEntry 17 }

pnXRefAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only

STATUS mandatory
 DESCRIPTION "XREF
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 This item is available for XPIC system.
 TRAP=alarmTrapPnSTDXRefAlarm"
 ::= { pnModemSysGroupEntry 18 }

pnLinearizerFail OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LINEARIZER / MODEM LINEARIZER
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDLinearizerFail"
 ::= { pnModemSysGroupEntry 19 }

pnRouteId OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "FRAME ID
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDRouteID"
 ::= { pnModemSysGroupEntry 20 }

pnEarlyWarning OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "EARLY WARNING
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDEarlyWarning"
 ::= { pnModemSysGroupEntry 21 }

pnAtpcPowerModeStatus OBJECT-TYPE

SYNTAX INTEGER(0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ATPC POWER MODE
 0:Invalid,
 1:Active,
 2:Stop
 TRAP=eventTrapPnSTDAtpcPowerModeStatus"
 ::= { pnModemSysGroupEntry 22 }

pnInputVoltageAlarm OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INPUT VOLTAGE
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDInputVoltage"
 ::= { pnModemSysGroupEntry 23 }

pnModemTypeMismatch OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MODEM TYPE MISMATCH
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION

TRAP=alarmTrapPnSTDMoDemTypeMismatch"
 ::= { pnModemSysGroupEntry 24 }

pnAsIntfcMainWorkGroup OBJECT IDENTIFIER
 ::= { pnAlarmStatusGroup 3 }

pnAsIntfcMainWorkGroupTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PnAsIntfcMainWorkGroupEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "INTFC Main Work Group"
 ::= { pnAsIntfcMainWorkGroup 1 }

pnAsIntfcMainWorkGroupEntry OBJECT-TYPE
 SYNTAX PnAsIntfcMainWorkGroupEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnAsIntfcMainWorkPasolIndex
 }
 ::= { pnAsIntfcMainWorkGroupTable 1 }

PnAsIntfcMainWorkGroupEntry ::= SEQUENCE {
 pnAsIntfcMainWorkPasolIndex IpAddress,
 pnIntfcMAlarm NormalAlarmValue,
 pnIntfcMUnequipped NormalAlarmValue,
 pnInputLoss OCTET STRING,
 pnLosMUXWork NormalAlarmValue,
 pnLosDMRWork NormalAlarmValue,
 pnLofMUXWork NormalAlarmValue,
 pnLofDMRWork NormalAlarmValue,
 pnStm1OutContWork INTEGER,
 pnUsageError OCTET STRING,
 pnAisGeneratedCH OCTET STRING,
 pnAisReceivedCH OCTET STRING,
 pnEBERMUXWork NormalAlarmValue,
 pnEBERDMRWork NormalAlarmValue,
 pnSignalDegradeMUXWork NormalAlarmValue,
 pnSignalDegradeDMRWork NormalAlarmValue,
 pnInPhaseWork INTEGER,
 pnStm1TFWorkAlarm NormalAlarmValue,
 pnIntfcMTypeMismatch NormalAlarmValue,
 pnGbELink NormalAlarmValue,
 pnGbELinkLossForwarding INTEGER,
 pnGbESpeedDuplex OCTET STRING,
 pnStackConnection NormalAlarmValue,
 pnGbECollision INTEGER
 }

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

pnIntfcMAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory

DESCRIPTION "INTFC(1) MODULE
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
TRAP=alarmTrapPnSTDIntfcMArm"
::= { pnAsIntfcMainWorkGroupEntry 2 }

pnIntfcMUnequipped OBJECT-TYPE

SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "INTFC(1) UNEQUIPPED
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
TRAP=alarmTrapPnSTDIntfcMUneq"
::= { pnAsIntfcMainWorkGroupEntry 3 }

pnInputLoss OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))
ACCESS read-only
STATUS mandatory
DESCRIPTION "INPUT LOS CHxx for PDH system
WS INPUT LOS for GbE over STM-1(VLAN) interface
(xx : 01-48)
0:Normal,
1:Alarm

[Byte Description]

Byte 0 CH01-CH08
Byte 1 CH09-CH16
Byte 2 CH17-CH24
Byte 3 CH25-CH32
Byte 4 CH33-CH40
Byte 5 CH41-CH48

The data is received in 6 bytes.

Shown below is an example of how to interpret this received

data.

With PDH system, channels will be used starting CH01.

With GbE over STM-1 (VLAN) interface, channels will be used

starting CH01 by the name WS INPUT LOS.

With E3 interface, CH47 is used as E3 CH01 and CH48 is

used as E3 CH02.

ex.) Received data: 0x000000009000

Byte 1 90

When converted to a binary figure, the result is

10010000.

Since 1 stands in position of bit 4 and bit 7, by

looking up and applying

the definition 'Byte 1 = CH09-CH16', alarm positions

can be identified

as CH13 and CH16.

TRAP=alarmTrapPnSTDInputLos"

::= { pnAsIntfcMainWorkGroupEntry 4 }

pnLosMUXWork OBJECT-TYPE

SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "STM-1(1) LOS(MUX)
Refer to NormalAlarmValue of TEXTUAL-CONVENTION

TRAP=alarmTrapPnSTDLosMUXWork"
 ::= { pnAsIntfcMainWorkGroupEntry 5 }

pnLosDMRWork OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) LOS(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDLosDMRWork"
 ::= { pnAsIntfcMainWorkGroupEntry 6 }

pnLofMUXWork OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) LOF(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDLoFMUXWork"
 ::= { pnAsIntfcMainWorkGroupEntry 7 }

pnLofDMRWork OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) LOF(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDLoFDMRWork"
 ::= { pnAsIntfcMainWorkGroupEntry 8 }

pnStm1OutContWork OBJECT-TYPE

SYNTAX INTEGER(0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) OUTPUT CONTROL
 0:Invalid,
 1:Normal,
 2:Under Execution
 TRAP=eventTrapPnSTDSTM1OutContWork"
 ::= { pnAsIntfcMainWorkGroupEntry 9 }

pnUsageError OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "USAGE ERROR CHxx
 (xx : 01-48)
 0:Normal,
 1:Alarm

[Byte Description]

Byte 0 CH01-CH08
 Byte 1 CH09-CH16
 Byte 2 CH17-CH24
 Byte 3 CH25-CH32
 Byte 4 CH33-CH40
 Byte 5 CH41-CH48

The data is received in 6 bytes.
 Shown below is an example of how to interpret this received

data.

used as E3 CH02.

With E3 interface, CH47 is used as E3 CH01 and CH48 is

ex.) Received data: 0x000000009000

Byte 1 90

When converted to a binary figure, the result is

10010000.

Since 1 stands in position of bit 4 and bit 7, by

looking up and applying

the definition 'Byte 1 = CH09-CH16', alarm positions

can be identified

as CH13 and CH16.

TRAP=alarmTrapPnSTDUsageError"

::= { pnAsIntfcMainWorkGroupEntry 10 }

pnAisGeneratedCH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))

ACCESS read-only

STATUS mandatory

DESCRIPTION "AIS GENERATED CHxx for PDH system

WS AIS GENERATED for GbE over STM-1(VLAN) interface
(xx : 01-48)

0:Normal,

1:Generated

[Byte Description]

Byte 0 CH01-CH08

Byte 1 CH09-CH16

Byte 2 CH17-CH24

Byte 3 CH25-CH32

Byte 4 CH33-CH40

Byte 5 CH41-CH48

The data is received in 6 bytes.

Shown below is an example of how to interpret this received

data.

With PDH system, channels will be used starting CH01.

With GbE over STM-1 (VLAN) interface, channels will be used

starting CH01 by the name WS AIS GENERATED.

With E3 interface, CH47 is used as E3 CH01 and CH48 is

used as E3 CH02.

ex.) Received data: 0x000000009000

Byte 1 90

When converted to a binary figure, the result is

10010000.

Since 1 stands in position of bit 4 and bit 7, by

looking up and applying

the definition 'Byte 1 = CH09-CH16', '1:Generated'

positions can be identified

as CH13 and CH16.

TRAP=eventTrapPnSTDAisGeneratedCH"

::= { pnAsIntfcMainWorkGroupEntry 11 }

pnAisReceivedCH OBJECT-TYPE

SYNTAX	OCTET STRING (SIZE (6))
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"AIS RECEIVED CHxx for PDH system WS AIS RECEIVED for GbE over STM-1(VLAN) interface (xx : 01-48) 0:Normal, 1:Received

[Byte Description]

Byte 0	CH01-CH08
Byte 1	CH09-CH16
Byte 2	CH17-CH24
Byte 3	CH25-CH32
Byte 4	CH33-CH40
Byte 5	CH41-CH48

The data is received in 6 bytes.

Shown below is an example of how to interpret this received

data.

With PDH system, channels will be used starting CH01.

With GbE over STM-1 (VLAN) interface, channels will be used

starting CH01 by the name WS AIS RECEIVED.

With E3 interface, CH47 is used as E3 CH01 and CH48 is

used as E3 CH02.

ex.) Received data: 0x000000009000

Byte 1 90

When converted to a binary figure, the result is

10010000.

Since 1 stands in position of bit 4 and bit 7, by

looking up and applying

the definition 'Byte 1 = CH09-CH16', '1:Recieved'

positions can be identified

as CH13 and CH16.

TRAP=eventTrapPnSTDAisReceivedCH"

::= { pnAsIntfcMainWorkGroupEntry 12 }

pnEBERMUXWork OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"STM-1(1) E-BER(MUX) Refer to NormalAlarmValue of TEXTUAL-CONVENTION TRAP=alarmTrapPnSTDEBERMUXWork"

::= { pnAsIntfcMainWorkGroupEntry 13 }

pnEBERDMRWork OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"STM-1(1) E-BER(DMR) Refer to NormalAlarmValue of TEXTUAL-CONVENTION TRAP=alarmTrapPnSTDEBERDMRWork"

::= { pnAsIntfcMainWorkGroupEntry 14 }

pnSignalDegradeMUXWork OBJECT-TYPE

SYNTAX	NormalAlarmValue
ACCESS	read-only

STATUS mandatory
 DESCRIPTION "STM-1(1) SD(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDSDMUXWork"
 ::= { pnAsIntfcMainWorkGroupEntry 15 }

pnSignalDegradeDMRWork OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) SD(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDSDDMRWork"
 ::= { pnAsIntfcMainWorkGroupEntry 16 }

pnInPhaseWork OBJECT-TYPE
 SYNTAX INTEGER(0..1)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(1) INPHASE
 0:Invalid,
 1:OUTPHASE,
 2:INPHASE
 TRAP=eventTrapPnSTDInphaseWork"
 ::= { pnAsIntfcMainWorkGroupEntry 17 }

pnStm1TFWorkAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(1) TF
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDStm1TFWorkAlarm"
 ::= { pnAsIntfcMainWorkGroupEntry 18 }

pnIntfcMTypeMismatch OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(1) TYPE MISMATCH
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDIntfcMTypeMismatch"
 ::= { pnAsIntfcMainWorkGroupEntry 19 }

pnGbELink OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "GbE LAN Link Port
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDGbELink"
 ::= { pnAsIntfcMainWorkGroupEntry 20 }

pnGbELinkLossForwarding OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "GbE Link Loss Forwarding Port
 0:Invalid,
 1:Normal,

2:Under Execution
 TRAP=eventTrapPnSTDGbELinkLossForward"

::= { pnAsIntfcMainWorkGroupEntry 21 }

pnGbESpeedDuplex OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "GbE Speed & Duplex

[Description]

Bit 0 = MASTER/SLAVE (0:SLAVE, 1:MASTER)

Bit 1 = FULL DUPLEX (0:HALF, 1:FULL)

Bit 2 = FORCED SETTING MODE (0:AUTONEGO,

1:FORCED)

Bit 3 = MDIX (0:MDI, 1:MDIX)

Bit 4, 5 = SPEED (00:10M, 01:100M, 10:1000M, 11:1000M-INI)

*)Bit 0 / Bit 2 / Bit 3 is used when GbE MEDIA TYPE is not

SFP.

*)Bit 1 = FULL DUPLEX is fixed to FULL when GbE MEDIA

TYPE is SFP.

TRAP=eventTrapPnSTDGbESpeedDuplex"

::= { pnAsIntfcMainWorkGroupEntry 22 }

pnStackConnection OBJECT-TYPE

SYNTAX NormalAlarmValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "Stack Connection

Refer to NormalAlarmValue of TEXTUAL-CONVENTION

TRAP=alarmTrapPnSTDStackConnection"

::= { pnAsIntfcMainWorkGroupEntry 23 }

pnGbECollision OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "GbE LAN Collision Port1(Main)

0:Invalid,

1:Normal,

2:Collision

TRAP=eventTrapPnSTDGbELanCollision"

::= { pnAsIntfcMainWorkGroupEntry 24 }

pnLanStatusTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnLanStatusEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "LAN Status Table"

::= { pnAsIntfcMainWorkGroup 2 }

pnLanStatusEntry OBJECT-TYPE

SYNTAX PnLanStatusEntry

ACCESS not-accessible

STATUS mandatory

INDEX

{
 pnLanstatusPasoIndex,
 pnLanStatusIndex

}

::= { pnLanStatusTable 1 }

```

PnLanStatusEntry ::= SEQUENCE {
    pnLanstatusPasolIndex IpAddress,
                                pnLanStatusIndex    INTEGER,
                                pnLink                INTEGER,
                                pnCollision           INTEGER,
                                pnLinkLossForwarding  INTEGER,
                                pnSpeedDuplex        INTEGER
}

```

```

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

```

```

pnLanStatusIndex OBJECT-TYPE
    SYNTAX      INTEGER{
                                port1(1),
                                port2(2),
                                port3(3),
                                port4(4)
                            }
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "PORTx(x:1-4) Index
                1: Port 1
                2: Port 2
                3: Port 3
                4: Port 4"
    ::= { pnLanStatusEntry 2 }

```

```

pnLink OBJECT-TYPE
    SYNTAX      INTEGER(0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "LAN LINK PORTx
                (x : 1-4)
                0:Invalid,
                1:Normal,
                2:Alarm
                TRAP=alarmTrapPnSTDLink"
    ::= { pnLanStatusEntry 3 }

```

```

pnCollision OBJECT-TYPE
    SYNTAX      INTEGER(0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "LAN COLLISION PORTx
                (x : 1-4)
                0:Invalid,
                1:Normal,
                2:Collision
                TRAP=eventTrapPnSTDLanCollision"
    ::= { pnLanStatusEntry 4 }

```

```

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

```

DESCRIPTION "LLF PORT_x
(x : 1-4)
0:Invalid,
1:Normal,
2:Under Execution
TRAP=eventTrapPnSTDLinkLossForward"

::= { pnLanStatusEntry 5 }

pnSpeedDuplex OBJECT-TYPE

SYNTAX INTEGER(0..8)
ACCESS read-only
STATUS mandatory
DESCRIPTION "SPEED & DUPLEX PORT_x
(x : 1-4)
Speed & Duplex
0:INVALID,
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)
TRAP=eventTrapPnSTDSpeedDuplex"

::= { pnLanStatusEntry 6 }

pnAsIntfcSubProtGroup OBJECT IDENTIFIER

::= { pnAlarmStatusGroup 4 }

pnAsIntfcSubProtTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnAsIntfcSubProtEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "Intfc Sub Prot Table"
::= { pnAsIntfcSubProtGroup 1 }

pnAsIntfcSubProtEntry OBJECT-TYPE

SYNTAX PnAsIntfcSubProtEntry
ACCESS not-accessible
STATUS mandatory
INDEX {

pnAsIntfcSubProtPasoIndex
}

::= { pnAsIntfcSubProtTable 1 }

PnAsIntfcSubProtEntry ::= SEQUENCE {

pnAsIntfcSubProtPasoIndex IpAddress,
pnIntfcSAlarm NormalAlarmValue,
pnIntfcSUnequipped NormalAlarmValue,
pnLosMUXProt NormalAlarmValue,
pnLosDMRProt NormalAlarmValue,
pnEBERMUXProt NormalAlarmValue,
pnEBERDMRProt NormalAlarmValue,
pnSignalDegradeMUXProt NormalAlarmValue,
pnSignalDegradeDMRProt NormalAlarmValue,
pnStm1OutContProt INTEGER,
pnInPhaseProt INTEGER,
pnWsLos NormalAlarmValue,
pnWsAisReceived INTEGER,

```

pnWsAisGenerated      INTEGER,
pnLofMUXProt   NormalAlarmValue,
pnLofDMRProt   NormalAlarmValue,
pnStm1TFProtAlarm   NormalAlarmValue,
pnIntfcSTypeMismatch NormalAlarmValue
}

```

pnAsIntfcSubProtPasolIndex OBJECT-TYPE

```

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

```

pnIntfcSAlarm OBJECT-TYPE

```

SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "INTFC(2) MODULE
             Refer to NormalAlarmValue of TEXTUAL-CONVENTION
             TRAP=alarmTrapPnSTDIntfcSAlarm"
::= { pnAsIntfcSubProtEntry 2 }

```

pnIntfcSUnequipped OBJECT-TYPE

```

SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "INTFC(2) UNEQUIPPED
             Refer to NormalAlarmValue of TEXTUAL-CONVENTION
             TRAP=alarmTrapPnSTDIntfcSUneq"
::= { pnAsIntfcSubProtEntry 3 }

```

pnLosMUXProt OBJECT-TYPE

```

SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "STM-1(2) LOS(MUX)
             Refer to NormalAlarmValue of TEXTUAL-CONVENTION
             TRAP=alarmTrapPnSTDLosMUXProt"
::= { pnAsIntfcSubProtEntry 4 }

```

pnLosDMRProt OBJECT-TYPE

```

SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "STM-1(2) LOS(DMR)
             Refer to NormalAlarmValue of TEXTUAL-CONVENTION
             TRAP=alarmTrapPnSTDLosDMRProt"
::= { pnAsIntfcSubProtEntry 5 }

```

pnEBERMUXProt OBJECT-TYPE

```

SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "STM-1(2) E-BER(MUX)
             Refer to NormalAlarmValue of TEXTUAL-CONVENTION
             TRAP=alarmTrapPnSTDEBERMUXProt"
::= { pnAsIntfcSubProtEntry 6 }

```

pnEBERDMRProt OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) E-BER(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDEBERDMRProt"
 ::= { pnAsIntfcSubProtEntry 7 }

pnSignalDegradeMUXProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) SD(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDSDMUXProt"
 ::= { pnAsIntfcSubProtEntry 8 }

pnSignalDegradeDMRProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) SD(DMR)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDSDDMRProt"
 ::= { pnAsIntfcSubProtEntry 9 }

pnStm1OutContProt OBJECT-TYPE
 SYNTAX INTEGER(0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) OUTPUT CONTROL
 0:Invalid,
 1:Normal,
 2:Under Execution
 TRAP=eventTrapPnSTDSTM1OutContProt"
 ::= { pnAsIntfcSubProtEntry 10 }

pnInPhaseProt OBJECT-TYPE
 SYNTAX INTEGER(0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) INPHASE
 0:Invalid,
 1:OUTPHASE,
 2:INPHASE
 TRAP=eventTrapPnSTDInphaseProt"
 ::= { pnAsIntfcSubProtEntry 11 }

pnWsLos OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "WS INPUT LOS
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDWSLos"
 ::= { pnAsIntfcSubProtEntry 12 }

pnWsAisReceived OBJECT-TYPE
 SYNTAX INTEGER(0..2)
 ACCESS read-only

STATUS mandatory
 DESCRIPTION "WS AIS RECEIVED
 0:Invalid,
 1:Normal,
 2:Recieved
 TRAP=eventTrapPnSTDWSAisReceivedCH"
 ::= { pnAsIntfcSubProtEntry 13 }

pnWsAisGenerated OBJECT-TYPE
 SYNTAX INTEGER(0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "WS AIS GENERATED
 0:Invalid,
 1:Normal,
 2:Generated
 TRAP=eventTrapPnSTDWSAisGeneratedCH"
 ::= { pnAsIntfcSubProtEntry 14 }

pnLofMUXProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) LOF(MUX)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDLoFMUXProt"
 ::= { pnAsIntfcSubProtEntry 15 }

pnLofDMRProt OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) LOF(DMR)
 TRAP=alarmTrapPnSTDLoFDMRProt"
 ::= { pnAsIntfcSubProtEntry 16 }

pnStm1TFProtAlarm OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "STM-1(2) TF
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDStm1TFProtAlarm"
 ::= { pnAsIntfcSubProtEntry 17 }

pnIntfcSTypeMismatch OBJECT-TYPE
 SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) TYPE MISMATCH
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDIntfcSTypeMismatch"
 ::= { pnAsIntfcSubProtEntry 18 }

pnScLanStatusTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PnScLanStatusEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "SC LAN STATUS TABLE"
 ::= { pnAsIntfcSubProtGroup 2 }

pnScLanStatusEntry OBJECT-TYPE

```

SYNTAX      PnScLanStatusEntry
ACCESS      not-accessible
STATUS      mandatory
INDEX       {
                                pnScLanStatusPasolIndex,
                                pnScLanStatusIndex
                        }
 ::= { pnScLanStatusTable 1 }

```

PnScLanStatusEntry ::= SEQUENCE {

```

    pnScLanStatusPasolIndex  IpAddress,
                                pnScLanStatusIndex      INTEGER,
                                pnScLanLink               INTEGER,
                                pnScLanCollision          INTEGER,
                                pnScLanLinkLossForwarding  INTEGER,
                                pnScLanSpeedDuplex        INTEGER
}
```

pnScLanStatusPasolIndex OBJECT-TYPE

```

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

```

pnScLanStatusIndex OBJECT-TYPE

```

SYNTAX      INTEGER{
                                port1(1),
                                port2(2)
                        }
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "PORTx(x:1-2) Index
                                1: Port 1
                                2: Port 2"
 ::= { pnScLanStatusEntry 2 }

```

pnScLanLink OBJECT-TYPE

```

SYNTAX      INTEGER(0..2)
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "INTFC(2) LAN LINK PORTx
                                (x : 1-2)
                                0:Invalid,
                                1:Normal,
                                2:Alarm
                                TRAP=alarmTrapPnSTDSClanLink"
 ::= { pnScLanStatusEntry 3 }

```

pnScLanCollision OBJECT-TYPE

```

SYNTAX      INTEGER(0..2)
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "INTFC(2) LAN COLLISION PORTx
                                (x : 1-2)
                                0:Invalid,
                                1:Normal,
                                2:Collision

```

```

                                TRAP=eventTrapPnSTDSClanCollision"
 ::= { pnScLanStatusEntry 4 }

pnScLanLinkLossForwarding OBJECT-TYPE
    SYNTAX      INTEGER(0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "INTFC(2) LLF PORTx
                (x : 1-2)
                0:Invalid,
                1:Normal,
                2:Under Execution
                TRAP=eventTrapPnSTDSClanLinkLossForward"
 ::= { pnScLanStatusEntry 5 }

pnScLanSpeedDuplex OBJECT-TYPE
    SYNTAX      INTEGER(0..8)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "INTFC(2) SPEED & DUPLEX PORTx
                (x : 1-4)
                Speed & Duplex
                0:INVALID,
                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)
                TRAP=eventTrapPnSTDSClanSpeedDuplex"
 ::= { pnScLanStatusEntry 6 }

pnAsCtrlGroup OBJECT IDENTIFIER
 ::= { pnAlarmStatusGroup 5 }

pnAsCtrlGroupTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnAsCtrlGroupEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "CTRL Group Table"
 ::= { pnAsCtrlGroup 1 }

pnAsCtrlGroupEntry OBJECT-TYPE
    SYNTAX      PnAsCtrlGroupEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX      {
                                pnAsCtrlGroupPasoIndex
                                }
 ::= { pnAsCtrlGroupTable 1 }

PnAsCtrlGroupEntry ::= SEQUENCE {
                                pnAsCtrlGroupPasoIndex IpAddress,
                                pnCtrlAlarm      NormalAlarmValue,
                                pnMultiMediaCardMount OffOnValue,
                                pnApsSWFail      NormalAlarmValue,
                                pnSvLineAlarm     NormalAlarmValue,
                                pnApsStatus      INTEGER,

```

```

        pnApsLockinStatus INTEGER,
        pnXCtrlAlarm    INTEGER,
        pnXpicModeMismatch    INTEGER
    }

```

pnAsCtrlGroupPasolIndex OBJECT-TYPE

```

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

```

pnCtrlAlarm OBJECT-TYPE

```

    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "CTRL MODULE
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                TRAP=alarmTrapPnSTDCTRLAlarm"
    ::= { pnAsCtrlGroupEntry 2 }

```

pnMultiMediaCardMount OBJECT-TYPE

```

    SYNTAX      OffOnValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "MMC MOUNT
                Refer to OffOnValue of TEXTUAL-CONVENTION
                TRAP=eventTrapPnSTDMMCMount"
    ::= { pnAsCtrlGroupEntry 3 }

```

pnApsSWFail OBJECT-TYPE

```

    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "APS SW FAIL
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                TRAP=alarmTrapPnSTDAPSSWFail"
    ::= { pnAsCtrlGroupEntry 4 }

```

pnSvLineAlarm OBJECT-TYPE

```

    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "This item is not used.
                SV LINE
                Refer to NormalAlarmValue of TEXTUAL-CONVENTION"
    ::= { pnAsCtrlGroupEntry 5 }

```

pnApsStatus OBJECT-TYPE

```

    SYNTAX      INTEGER(0..2)
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "APS ONLINE STATUS
                0:Invalid,
                1:Working,
                2:Protection
                TRAP=eventTrapPnSTDAPSStatus"
    ::= { pnAsCtrlGroupEntry 6 }

```

pnApsLockinStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)
ACCESS read-only
STATUS mandatory
DESCRIPTION "APS LOCK IN STATUS
0:Invalid,
1:NORMAL,
2:LOCK IN
TRAP=eventTrapPnSTDAPSLockinStatus"
::= { pnAsCtrlGroupEntry 7 }

pnXCtrlAlarm OBJECT-TYPE

SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "XCTRL
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
This item is available for XPIC system.
0:Invalid,
1:NORMAL,
2:ALARM
TRAP=alarmTrapPnSTDXControlAlarm"
::= { pnAsCtrlGroupEntry 8 }

pnXpicModeMismatch OBJECT-TYPE

SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "XPIC MODE MISMATCH
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
This item is available for XPIC system.
0:Invalid,
1:NORMAL,
2:ALARM
TRAP=alarmTrapPnSTDXpicModeMismatch"
::= { pnAsCtrlGroupEntry 9 }

pnAsTcnGroup OBJECT IDENTIFIER

::= { pnAlarmStatusGroup 6 }

pnTcn15minCurrentTotalTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnTcn15minCurrentTotalEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "TCN 15min Current Total Table"
::= { pnAsTcnGroup 1 }

pnTcn15minCurrentTotalEntry OBJECT-TYPE

SYNTAX PnTcn15minCurrentTotalEntry
ACCESS not-accessible
STATUS mandatory
INDEX {
pnTcn15minCurrentTotalPasolIndex,
pnTcn15minCurrentTotalWPIndex
}
::= { pnTcn15minCurrentTotalTable 1 }

PnTcn15minCurrentTotalEntry ::= SEQUENCE {

pnTcn15minCurrentTotalPasolIndex IpAddress,
pnTcn15minCurrentTotalWPIndex INTEGER,
pnTcn15minCurrentTotalOFS NormalAlarmValue,

pnTcn15minCurrentTotalUAS	NormalAlarmValue,
pnTcn15minCurrentTotalES	NormalAlarmValue,
pnTcn15minCurrentTotalSES	NormalAlarmValue,
pnTcn15minCurrentTotalBBE	NormalAlarmValue,
pnTcn15minCurrentTotalSEP	NormalAlarmValue

}

pnTcn15minCurrentTotalPasolIndex OBJECT-TYPE

SYNTAX IpAddress
ACCESS read-only
STATUS mandatory
DESCRIPTION "Pasolink IP Address Index"
::= { pnTcn15minCurrentTotalEntry 1 }

pnTcn15minCurrentTotalWPIndex OBJECT-TYPE

SYNTAX INTEGER{
working-MUX(1),
protection-MUX(2),
working-DMR-dirA(3),
protection-DMR-dirB(4)
}
ACCESS read-only
STATUS mandatory
DESCRIPTION "TCN 15min Current Total Index
1:Working - MUX,
2:Protection - MUX
3:Working - DMR - DIR-A
4:Protection - DMR - DIR-B

*)DIR-A/DIR-B is available for 2-WAY.
*)Protection is available for APS."
::= { pnTcn15minCurrentTotalEntry 2 }

pnTcn15minCurrentTotalOFS OBJECT-TYPE

SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "TCN-OFS-15min TOTAL
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
TRAP=alarmTrapPnSTDTCn15minTotalOFS"
::= { pnTcn15minCurrentTotalEntry 3 }

pnTcn15minCurrentTotalUAS OBJECT-TYPE

SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "TCN-UAS-15min TOTAL
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
TRAP=alarmTrapPnSTDTCn15minTotalUAS"
::= { pnTcn15minCurrentTotalEntry 4 }

pnTcn15minCurrentTotalES OBJECT-TYPE

SYNTAX NormalAlarmValue
ACCESS read-only
STATUS mandatory
DESCRIPTION "TCN-ES-15min TOTAL
Refer to NormalAlarmValue of TEXTUAL-CONVENTION
TRAP=alarmTrapPnSTDTCn15minTotalES"
::= { pnTcn15minCurrentTotalEntry 5 }

```

pnTcn15minCurrentTotalSES OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "TCN-SES-15min TOTAL
                  Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                  TRAP=alarmTrapPnSTDTCn15minTotalSES"
    ::= { pnTcn15minCurrentTotalEntry 6 }

pnTcn15minCurrentTotalBBE OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "TCN-BBE-15min TOTAL
                  Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                  TRAP=alarmTrapPnSTDTCn15minTotalBBE"
    ::= { pnTcn15minCurrentTotalEntry 7 }

pnTcn15minCurrentTotalSEP OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "TCN-SEP-15min TOTAL
                  Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                  TRAP=alarmTrapPnSTDTCn15minTotalSEP"
    ::= { pnTcn15minCurrentTotalEntry 8 }

pnTcn15minCurrentCHTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnTcn15minCurrentCHEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION  "TCN 15min Current CH Table"
    ::= { pnAsTcnGroup 2 }

pnTcn15minCurrentCHEntry OBJECT-TYPE
    SYNTAX      PnTcn15minCurrentCHEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX      {
                                pnTcn15minCurrentCHPasolIndex
                        }
    ::= { pnTcn15minCurrentCHTable 1 }

PnTcn15minCurrentCHEntry ::= SEQUENCE {
                                pnTcn15minCurrentCHPasolIndex IpAddress,
                                pnTcn15minCurrentCHUAS      OCTET STRING,
                                pnTcn15minCurrentCHES         OCTET STRING,
                                pnTcn15minCurrentCHSES         OCTET STRING,
                                pnTcn15minCurrentCHBBE         OCTET STRING,
                                pnTcn15minCurrentCHSEP         OCTET STRING
                        }

pnTcn15minCurrentCHPasolIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Pasolink IP Address Index"
    ::= { pnTcn15minCurrentCHEntry 1 }

pnTcn15minCurrentCHUAS OBJECT-TYPE

```

SYNTAX OCTET STRING (SIZE (1))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 TCN-UAS-15min CHxx
 (xx : 01-48 only selected 4ch.)
 0:Normal,
 1:Alarm

[Description]
 Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
 Bit 1 = 2nd Selected CH
 Bit 2 = 3rd Selected CH
 Bit 3 = 4th Selected CH
 TRAP=alarmTrapPnSTDTCn15minCHUAS"

::= { pnTcn15minCurrentCHEntry 2 }

pnTcn15minCurrentCHES OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 TCN-ES-15min CHxx
 (xx : 01-48 only selected 4ch.)
 0:Normal,
 1:Alarm

[Description]
 Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
 Bit 1 = 2nd Selected CH
 Bit 2 = 3rd Selected CH
 Bit 3 = 4th Selected CH
 TRAP=alarmTrapPnSTDTCn15minCHES"

::= { pnTcn15minCurrentCHEntry 3 }

pnTcn15minCurrentCHSES OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 TCN-SES-15min CHxx
 (xx : 01-48 only selected 4ch.)
 0:Normal,
 1:Alarm

[Description]
 Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
 Bit 1 = 2nd Selected CH
 Bit 2 = 3rd Selected CH
 Bit 3 = 4th Selected CH
 TRAP=alarmTrapPnSTDTCn15minCHSES"

::= { pnTcn15minCurrentCHEntry 4 }

pnTcn15minCurrentCHBBE OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 TCN-BBE-15min CHxx
 (xx : 01-48 only selected 4ch.)

0:Normal,
1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH

Bit 3 = 4th Selected CH

TRAP=alarmTrapPnSTDTCn15minCHBBE"

::= { pnTcn15minCurrentCHEntry 5 }

pnTcn15minCurrentCHSEP OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))

ACCESS read-only

STATUS mandatory

DESCRIPTION "This item is not used.

TCN-SEP-15min CHxx

(xx : 01-48 only selected 4ch.)

0:Normal,

1:Alarm

[Description]

Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)

Bit 1 = 2nd Selected CH

Bit 2 = 3rd Selected CH

Bit 3 = 4th Selected CH

TRAP=alarmTrapPnSTDTCn15minCHSEP"

::= { pnTcn15minCurrentCHEntry 6 }

pnTcn1dayCurrentTotalTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnTcn1dayCurrentTotalEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "1day Current Total Table"

::= { pnAsTcnGroup 3 }

pnTcn1dayCurrentTotalEntry OBJECT-TYPE

SYNTAX PnTcn1dayCurrentTotalEntry

ACCESS not-accessible

STATUS mandatory

INDEX

{

pnTcn1dayCurrentTotalPasolIndex,

pnTcn1dayCurrentTotalWPIndex

}

::= { pnTcn1dayCurrentTotalTable 1 }

PnTcn1dayCurrentTotalEntry ::= SEQUENCE {

pnTcn1dayCurrentTotalPasolIndex IpAddress,

pnTcn1dayCurrentTotalWPIndex INTEGER,

pnTcn1dayCurrentTotalOFS NormalAlarmValue,

pnTcn1dayCurrentTotalUAS NormalAlarmValue,

pnTcn1dayCurrentTotalES NormalAlarmValue,

pnTcn1dayCurrentTotalSES NormalAlarmValue,

pnTcn1dayCurrentTotalBBE NormalAlarmValue,

pnTcn1dayCurrentTotalSEP NormalAlarmValue

}

pnTcn1dayCurrentTotalPasolIndex OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory
 DESCRIPTION "Pasolink IP Address Index"
 ::= { pnTcn1dayCurrentTotalEntry 1 }

pnTcn1dayCurrentTotalWPIndex OBJECT-TYPE

SYNTAX INTEGER{
 working-MUX(1),
 protection-MUX(2),
 working-DMR-dirA(3),
 protection-DMR-dirB(4)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN 1day Current Total Index
 1:Working(MUX),
 2:Protection(MUX),
 3:Working(DMR)/Working(DIR-A)
 4:Protection(DMR)/Working(DIR-B)

 *)DIR-A/DIR-B is available for 2-WAY.
 *)Protection is available for APS.
 *)MUX is unavailable for LAN interface."
 ::= { pnTcn1dayCurrentTotalEntry 2 }

pnTcn1dayCurrentTotalOFS OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-OFS-1day TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDTCn1dayTotalOFS"
 ::= { pnTcn1dayCurrentTotalEntry 3 }

pnTcn1dayCurrentTotalUAS OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-UAS-1day TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDTCn1dayTotalUAS"
 ::= { pnTcn1dayCurrentTotalEntry 4 }

pnTcn1dayCurrentTotalES OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-ES-1day TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDTCn1dayTotalES"
 ::= { pnTcn1dayCurrentTotalEntry 5 }

pnTcn1dayCurrentTotalSES OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN-SES-1day TOTAL
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 TRAP=alarmTrapPnSTDTCn1dayTotalSES"
 ::= { pnTcn1dayCurrentTotalEntry 6 }

```

pnTcn1dayCurrentTotalBBE OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "TCN-BBE-1day TOTAL
                  Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                  TRAP=alarmTrapPnSTDTCn1dayTotalBBE"
    ::= { pnTcn1dayCurrentTotalEntry 7 }

pnTcn1dayCurrentTotalSEP OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "TCN-SEP-1day TOTAL
                  Refer to NormalAlarmValue of TEXTUAL-CONVENTION
                  TRAP=alarmTrapPnSTDTCn1dayTotalSEP"
    ::= { pnTcn1dayCurrentTotalEntry 8 }

pnTcn1dayCurrentCHTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnTcn1dayCurrentCHEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION  "TCN 1day Current CH Table"
    ::= { pnAsTcnGroup 4 }

pnTcn1dayCurrentCHEntry OBJECT-TYPE
    SYNTAX      PnTcn1dayCurrentCHEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX       {
                                pnTcn1dayCurrentCHPasolIndex
                        }
    ::= { pnTcn1dayCurrentCHTable 1 }

PnTcn1dayCurrentCHEntry ::= SEQUENCE {
                                pnTcn1dayCurrentCHPasolIndex IpAddress,
                                pnTcn1dayCurrentCHUAS      OCTET STRING,
                                pnTcn1dayCurrentCHES        OCTET STRING,
                                pnTcn1dayCurrentCHSES        OCTET STRING,
                                pnTcn1dayCurrentCHBBE        OCTET STRING,
                                pnTcn1dayCurrentCHSEP        OCTET STRING
                        }

pnTcn1dayCurrentCHPasolIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Pasolink IP Address Index"
    ::= { pnTcn1dayCurrentCHEntry 1 }

pnTcn1dayCurrentCHUAS OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (1))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "This item is not used.
                  TCN-UAS-1day CHxx
                  (xx : 01-48 only selected 4ch.)
                  0:Normal,
                  1:Alarm

```

```

[Description]
Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
Bit 1 = 2nd Selected CH
Bit 2 = 3rd Selected CH
Bit 3 = 4th Selected CH
TRAP=alarmTrapPnSTDTCn1dayCHUAS"
::= { pnTcn1dayCurrentCHEntry 2 }

pnTcn1dayCurrentCHES OBJECT-TYPE
SYNTAX      OCTET STRING (SIZE (1))
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "This item is not used.
            TCN-ES-1day CHxx
            (xx : 01-48 only selected 4ch.)
            0:Normal,
            1:Alarm

[Description]
Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
Bit 1 = 2nd Selected CH
Bit 2 = 3rd Selected CH
Bit 3 = 4th Selected CH
TRAP=alarmTrapPnSTDTCn1dayCHES"
::= { pnTcn1dayCurrentCHEntry 3 }

pnTcn1dayCurrentCHSES OBJECT-TYPE
SYNTAX      OCTET STRING (SIZE (1))
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "This item is not used.
            TCN-SES-1day CHxx
            (xx : 01-48 only selected 4ch.)
            0:Normal,
            1:Alarm

[Description]
Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
Bit 1 = 2nd Selected CH
Bit 2 = 3rd Selected CH
Bit 3 = 4th Selected CH
TRAP=alarmTrapPnSTDTCn1dayCHSES"
::= { pnTcn1dayCurrentCHEntry 4 }

pnTcn1dayCurrentCHBBE OBJECT-TYPE
SYNTAX      OCTET STRING (SIZE (1))
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "This item is not used.
            TCN-BBE-1day CHxx
            (xx : 01-48 only selected 4ch.)
            0:Normal,
            1:Alarm

[Description]
Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
Bit 1 = 2nd Selected CH
Bit 2 = 3rd Selected CH
Bit 3 = 4th Selected CH
TRAP=alarmTrapPnSTDTCn1dayCHBBE"

```

::= { pnTcn1dayCurrentCHEntry 5 }

pnTcn1dayCurrentCHSEP OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (1))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 TCN-SEP-1day CHxx
 (xx : 01-48 only selected 4ch.)
 0:Normal,
 1:Alarm

 [Description]
 Bit 0 = 1st Selected CH (0:Normal, 1:Alarm)
 Bit 1 = 2nd Selected CH
 Bit 2 = 3rd Selected CH
 Bit 3 = 4th Selected CH
 TRAP=alarmTrapPnSTDTCn1dayCHSEP"

::= { pnTcn1dayCurrentCHEntry 6 }

pnTcnCurrentUAETable OBJECT-TYPE

SYNTAX SEQUENCE OF PnTcnCurrentUAEEEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "TCN Current UAE"
 ::= { pnAsTcnGroup 5 }

pnTcnCurrentUAEEEntry OBJECT-TYPE

SYNTAX PnTcnCurrentUAEEEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {

 pnTcnCurrentUAEPasoIndex
 }
 ::= { pnTcnCurrentUAETable 1 }

PnTcnCurrentUAEEEntry ::= SEQUENCE {

pnTcnCurrentUAEPasoIndex IpAddress,
 pnTcnUAEDMRWork NormalAlarmValue,
 pnTcnUAEDMRProt NormalAlarmValue,
 pnTcnUAEMUXWork NormalAlarmValue,
 pnTcnUAEMUXProt NormalAlarmValue
 }

pnTcnCurrentUAEPasoIndex OBJECT-TYPE

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

pnTcnUAEDMRWork OBJECT-TYPE

SYNTAX NormalAlarmValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Unavailable Event(TOTAL)
 Refer to NormalAlarmValue of TEXTUAL-CONVENTION
 This shows the value of DIR-A side for PDH.
 This shows the value of INTFC(1) for STM-1.
 TRAP=alarmTrapPnSTDTCnUAEDMRWork"

```
::= { pnTcnCurrentUAEntry 2 }
```

pnTcnUAEDMRProt OBJECT-TYPE

```
SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "Unavailable Event(TOTAL)
              This shows the value of DIR-B side for PDH.
              This shows the value of INTFC(2) for STM-1.
              TRAP=alarmTrapPnSTDTCnUAEDMRProt"
```

```
::= { pnTcnCurrentUAEntry 3 }
```

pnTcnUAEMUXWork OBJECT-TYPE

```
SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "STM-1(1) Unavailable Event(MUX)
              This item is available for STM-1 interface.
              TRAP=alarmTrapPnSTDTCnUAEMUXWork"
```

```
::= { pnTcnCurrentUAEntry 4 }
```

pnTcnUAEMUXProt OBJECT-TYPE

```
SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "STM-1(2) Unavailable Event(MUX)
              This item is available for APS.
              TRAP=alarmTrapPnSTDTCnUAEMUXProt"
```

```
::= { pnTcnCurrentUAEntry 5 }
```

pnTcnTCSTable OBJECT-TYPE

```
SYNTAX      SEQUENCE OF PnTcnTCSEntry
ACCESS      not-accessible
STATUS      mandatory
DESCRIPTION "TCN TCS Table"
```

```
::= { pnAsTcnGroup 6 }
```

pnTcnTCSEntry OBJECT-TYPE

```
SYNTAX      PnTcnTCSEntry
ACCESS      not-accessible
STATUS      mandatory
INDEX       {
              pnTcnTCSPasoIndex,
              pnTcnTCSSysIndex
            }
```

```
::= { pnTcnTCSTable 1 }
```

PnTcnTCSEntry ::= SEQUENCE {

```
pnTcnTCSPasoIndex IpAddress,
pnTcnTCSSysIndex  INTEGER,
pnTcnTCS15minRxLev NormalAlarmValue,
pnTcnTCS1dayRxLev  NormalAlarmValue
}
```

pnTcnTCSPasoIndex OBJECT-TYPE

```
SYNTAX      IpAddress
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "Pasolink IP Address Index"
```

```
::= { pnTcnTCSEntry 1 }
```

pnTcnTCSSysIndex OBJECT-TYPE

```

SYNTAX      INTEGER{
                                no1-dirA(1),
                                no2-dirB(2)
                        }
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "TCN TCS System Index
              1:No.1/DIR-A
              2:No.2/DIR-B
              *)No.2 is available for 1+1 system.
              *)DIR-A/B is available for 2-WAY."
 ::= { pnTcnTCSEntry 2 }

```

pnTcnTCS15minRxLev OBJECT-TYPE

```

SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "TCN-RX LEV-15min
              Refer to NormalAlarmValue of TEXTUAL-CONVENTION
              TRAP=alarmTrapPnSTDTCnTCS15minRxLev"
 ::= { pnTcnTCSEntry 3 }

```

pnTcnTCS1dayRxLev OBJECT-TYPE

```

SYNTAX      NormalAlarmValue
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "TCN-RX LEV-1day
              Refer to NormalAlarmValue of TEXTUAL-CONVENTION
              TRAP=alarmTrapPnSTDTCnTCS1dayRxLev"
 ::= { pnTcnTCSEntry 4 }

```

pnAsAuxIOGroup OBJECT IDENTIFIER

```

 ::= { pnAlarmStatusGroup 7 }

```

pnAuxInputStatusTable OBJECT-TYPE

```

SYNTAX      SEQUENCE OF PnAuxInputStatusEntry
ACCESS      not-accessible
STATUS      mandatory
DESCRIPTION "AUX Input Status Table"
 ::= { pnAsAuxIOGroup 1 }

```

pnAuxInputStatusEntry OBJECT-TYPE

```

SYNTAX      PnAuxInputStatusEntry
ACCESS      not-accessible
STATUS      mandatory
INDEX      {
                                pnAuxInputStatusPasoIndex,
                                pnAuxInputStatusIndex
                        }
 ::= { pnAuxInputStatusTable 1 }

```

PnAuxInputStatusEntry ::= SEQUENCE {

```

                                pnAuxInputStatusPasoIndex IpAddress,
                                pnAuxInputStatusIndex  INTEGER,
                                pnAuxInputStatusValue  INTEGER
                        }

```

pnAuxInputStatusPasoIndex OBJECT-TYPE

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

pnAuxInputStatusIndex OBJECT-TYPE

SYNTAX INTEGER{
 auxInput1(1),
 auxInput2(2),
 auxInput3(3),
 auxInput4(4),
 auxInput5(5),
 auxInput6(6)
 }

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX Input Status Index
 1:Input 1
 2:Input 2
 3:Input 3
 4:Input 4
 5:Input 5
 6:Input 6"
 ::= { pnAuxInputStatusEntry 2 }

pnAuxInputStatusValue OBJECT-TYPE

SYNTAX INTEGER(0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ITEM NAME(INPUT-x)
 (x : 1-6)
 0:Invalid,
 1:Open State,
 2:Close State
 TRAP=statusTrapPnSTDAuxInput"
 ::= { pnAuxInputStatusEntry 3 }

pnAuxOutputStatusTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnAuxOutputStatusEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "AUX Output Status Table"
 ::= { pnAsAuxIOGroup 2 }

pnAuxOutputStatusEntry OBJECT-TYPE

SYNTAX PnAuxOutputStatusEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnAuxOutputStatusPasolIndex,
 pnAuxOutputStatusIndex
 }
 ::= { pnAuxOutputStatusTable 1 }

PnAuxOutputStatusEntry ::= SEQUENCE {

pnAuxOutputStatusPasolIndex IpAddress,
 pnAuxOutputStatusIndex INTEGER,
 pnAuxOutputStatusValue INTEGER
 }

pnAuxOutputStatusPasolIndex OBJECT-TYPE

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

pnAuxOutputStatusIndex OBJECT-TYPE

SYNTAX INTEGER{
 auxOutput1(1),
 auxOutput2(2),
 auxOutput3(3),
 auxOutput4(4)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "AUX Output Status Index
 1:Output 1
 2:Output 2
 3:Output 3
 4:Output 4"
 ::= { pnAuxOutputStatusEntry 2 }

pnAuxOutputStatusValue OBJECT-TYPE

SYNTAX INTEGER(0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ITEM NAME(OUTPUT-x)
 (x : 1-4)
 0:Invalid,
 1:Open state,
 2:Close state

 *) This value is for control house keeping
 TRAP=eventTrapPnSTDAuxOutput"
 ::= { pnAuxOutputStatusEntry 3 }

pnAuxClusterAlarmTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnAuxClusterAlarmEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "AUX Cluster Alarm Table"
 ::= { pnAsAuxIOGroup 3 }

pnAuxClusterAlarmEntry OBJECT-TYPE

SYNTAX PnAuxClusterAlarmEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnAuxClusterAlarmPasolIndex,
 pnAuxClusterAlarmIndex
 }
 ::= { pnAuxClusterAlarmTable 1 }

PnAuxClusterAlarmEntry ::= SEQUENCE {

 pnAuxClusterAlarmPasolIndex IpAddress,
 pnAuxClusterAlarmIndex INTEGER,
 pnAuxClusterAlarmValue NormalAlarmValue
 }


```

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

pnAuxClusterAlarmIndex OBJECT-TYPE
    SYNTAX      INTEGER{
                                clusterAlarm1(1),
                                clusterAlarm2(2),
                                clusterAlarm3(3),
                                clusterAlarm4(4)
                            }
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "
                                AUX Cluster Alarm Index
                                1:Cluster Alarm 1
                                2:Cluster Alarm 2
                                3:Cluster Alarm 3
                                4:Cluster Alarm 4

                                TRAP=alarmTrapPnSTDAuxClusterAlarm"
    ::= { pnAuxClusterAlarmEntry 2 }

pnAuxClusterAlarmValue OBJECT-TYPE
    SYNTAX      NormalAlarmValue
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "This is not used.
                                CLUSTERx ALARM
                                (x : 1-4)
                                TRAP=alarmTrapPnSTDAuxClusterAlarm"
    ::= { pnAuxClusterAlarmEntry 3 }

```

```

-----
-- pnEquipmentSetUpGroup Group Definitions
-----

```

```

pnEsCommonTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnEsCommonEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Es Common Table"
    ::= { pnEquipmentSetUpGroup 1 }

pnEsCommonEntry OBJECT-TYPE
    SYNTAX      PnEsCommonEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX      {
                                pnEsCommonPasoIndex
                            }
    ::= { pnEsCommonTable 1 }

PnEsCommonEntry ::= SEQUENCE {
                                pnEsCommonPasoIndex IpAddress,
                                pnEsSystemArchitecture INTEGER,

```

```

pnEsRedundancy          INTEGER,
pnEsXPICTypeSelect      INTEGER,
pnEsAPSFunction          INTEGER,
pnEsIntfcMainWorkSelect INTEGER,
pnEsIntfcSubProtSelect   INTEGER,
pnEsModulationScheme     INTEGER,
pnEsTransmissionCapacity INTEGER,
pnEsLANPortUsage          INTEGER,
pnEsTxSWType             INTEGER,
pnEsModulationSchemeDirB INTEGER,
pnEsTransmissionCapacityDirB INTEGER,
pnEsLan2mCapacityDirA    INTEGER,
pnEsLanScAssignmentDirA  INTEGER,
pnEsLan2mCapacityDirB    INTEGER,
pnEsLanScAssignmentDirB  INTEGER,
pnEsDiNumber             INTEGER
}

```

pnEsCommonPasolIndex OBJECT-TYPE

```

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

```

pnEsSystemArchitecture OBJECT-TYPE

```

SYNTAX      INTEGER (0..255)
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "USER INTERFACE
0:Invalid,
1:PDH E1,
2:PDH E1 with LAN,
3:4PORT LAN with E1,
4:PDH E3,
5:PDH E3 with LAN,
6:SDH STM-1,
7:2PORT LAN over STM-1,
8:GbE over STM-1,
10:PDH E1 with LAN 156MB"
::= { pnEsCommonEntry 2 }

```

pnEsRedundancy OBJECT-TYPE

```

SYNTAX      INTEGER (0..7)
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "REDUNDANCY SETTING
0:Invalid,
1:1+0(TERM),
2:1+1(HOT STANDBY TERM),
3:1+1(TWINPATH TERM),
4:2-WAY PDH(STAR),
5:2-WAY PDH(TREE),
6:2-WAY PDH(REP),
7:2-WAY PDH(RING),
8:2-WAY PDH

```

*)2-WAY is available, when System Architecture is PDH."

```

::= { pnEsCommonEntry 3 }

```

pnEsXPICTypeSelect OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "XPIC USAGE
 0:INVALID,
 1:NOT USED,
 2:USED(MAIN MASTER),
 3:USED(SUB MASTER)

*)This item is used for XPIC system."

::= { pnEsCommonEntry 4 }

pnEsAPSTypeFunction OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "APS FUNCTION
 0:Invalid,
 1:Unavailable,
 2:Available

*) This value is fixed to 2 when INTFC(2) is OPT INTFC."

::= { pnEsCommonEntry 5 }

pnEsIntfcMainWorkSelect OBJECT-TYPE

SYNTAX INTEGER (0..255)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MAIN(WORK)
 0:BLANK,
 1:16xE1 BASIC PKG,
 2:16xE1 STANDARD PKG(E/W LAN),
 3:32xE1 PKG(E/W LAN),
 4:48xE1 PKG,
 5:4PORT LAN WITH E1,
 6:STM-1(OPTICAL),
 7:STM-1(ELECTRICAL),
 8:2PORT LAN OVER STM-1,
 9:GbE OVER STM-1,
 10:E3 PKG(E/W LAN),
 11:16E1 2-WAY/XC PKG(E/W LAN),
 13:GbE(10/100/1000B) OVER STM-1,
 14:32E1 XC PKG,
 15:4PORT LAN WITH E1(VLAN),
 16:GbE OVER STM-1(VLAN)"

::= { pnEsCommonEntry 6 }

pnEsIntfcSubProtSelect OBJECT-TYPE

SYNTAX INTEGER (0..255)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "SUB(PROT)
 0:INVALID,
 1:NOT USED,
 2:STM-1(OPTICAL),
 3:WS/LAN
 4:WS

*) This value is fixed to 0 when System Architecture is PDH."

::= { pnEsCommonEntry 7 }

pnEsModulationScheme OBJECT-TYPE

SYNTAX INTEGER (0..6)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MODULATION SCHEME
 0:Invalid,
 1:QPSK,
 2:16QAM,
 3:32QAM,
 4:64QAM,
 5:128QAM,
 6:256QAM -- Not Used

*)This Value shows for DIR-A when Redundancy is 2-WAY."

::= { pnEsCommonEntry 8 }

pnEsTransmissionCapacity OBJECT-TYPE

SYNTAX INTEGER (0..8)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TRANSMISSION CAPACITY
 0:Invalid,
 1:5MB -- Not Used
 2:10MB
 3:20MB
 4:40MB
 5:80MB
 6:100MB
 7:156MB(STM-1/2P LAN)
 8:311MB(2xSTM-1) -- Not Used

*)This Value shows for DIR-A when Redundancy is 2-WAY."

::= { pnEsCommonEntry 9 }

pnEsLANPortUsage OBJECT-TYPE

SYNTAX INTEGER (0..89)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LAN PORT USAGE
 0:INVALID,
 1:NOT USED ,
 2:P1-2 SHARED/1PORT ONLY(MAIN),
 3:P1-2 SEPARATED(MAIN),
 4:P1-2 SHARED/1PORT ONLY(SC),
 5:P1-2 SEPARATED(SC),
 6:P1-4 SHARED(MAIN),
 7:P1-2 SHARED/P3-4 SHARED(MAIN),
 8:P1-4 SEPARATED(MAIN),
 9:P1-4 SHARED(SC),
 10:P1-2 SHARED/P3-4 SHARED(SC)
 11:P1=75MB/P2=75MB
 12:P1=100MB/P2=50MB
 13:BEST EFFORT
 14:P1=100MB/P2=NOT USED
 15:P1-2 SHARED/1PORT ONLY(WS)
 16:P1-2 SEPARATED(WS)-- Not Used
 17-19:reserved

20:P1=75MB/P2=75MB+WS LAN
 21:P1=100MB/P2=50MB+WS LAN
 22:BEST EFFORT+WS LAN
 23:P1=100MB/P2=NOT USED+WS LAN
 24:P1=75MB/P2=75MB+SC LAN
 25:P1=100MB/P2=50MB+SC LAN
 26:BEST EFFORT+SC LAN
 27:P1=100MB/P2=NOT USED+SC LAN
 28-29:reserved
 30:GbE Only
 31:GbE+WS LAN
 32:GbE+SC LAN
 33-39:reserved
 40:STM-1+WS LAN
 41:STM-1+SC LAN
 42-49:reserved
 50:P1-2 SHARED/1PORT ONLY(DIR-A M)
 51:P1-2 SHARED/1PORT ONLY(DIR-A SC)
 52:P1-2 SHARED/1PORT ONLY(DIR-B M)
 53:P1-2 SHARED/1PORT ONLY(DIR-B SC)
 54:P1-2 STAR (DIR-A M, DIR-B M)
 55:P1-2 STAR (DIR-A SC, DIR-B SC)
 56:P1-2 STAR (DIR-A M, DIR-B SC)
 57:P1-2 STAR (DIR-A SC, DIR-B M)
 58:P1-2 MIXED (DIR-A M, DIR-B M)
 59:P1-2 MIXED (DIR-A M, DIR-B SC)
 60:P1-2 MIXED (DIR-A SC, DIR-B M)
 61:P1-2 MIXED (DIR-A SC, DIR-B SC)
 62:VLAN(DIR-A M) -- Not Used
 63:VLAN(DIR-B M) -- Not Used
 64:VLAN(DIR-A M, DIR-B M) -- Not Used
 65-69:reserved
 70:P1-4 VLAN
 71:P1-4 SHARED(MAIN) -- Not Used
 72:P1-2 SHARED/P3-4 SHARED(MAIN) -- Not Used
 73:P1-4 SEPARATED(MAIN) -- Not Used
 74-79:reserved
 80:GbE PORT SHARED
 81:GbE STACK MASTER(PORT SHARED)
 82:GbE STACK SLAVE
 83:GbE PORT SHARED+WS LAN(PORT4) -- Not Used
 84:GbE STACK MASTER(PORT SHARED)+WS
 85:GbE STACK SLAVE+WS LAN(PORT4) -- Not Used
 86:GbE PORT SHARED+SC LAN(PORT4) -- Not Used
 87:GbE STACK MASTER(PORT SHARED)+SC LAN(PORT4)
 88:GbE STACK SLAVE+SC LAN(PORT4) -- Not Used
 89:reserved
 90:P1=100MB/P2=56MB
 *) The values from 1 to 9 and 15 and 50 to 61 and 70 are only

LAN(PORT4) -- Not Used

-- Not Used

for PDH.

only for SDH.

it's included."

::= { pnEsCommonEntry 10 }

pnEsTxSWType OBJECT-TYPE

The values from 11 to 14 and 20 to 41 and 80 to 82 are

This value is fixed to 0 when LAN is not used.

This values from 80 to 82 are when choosing stack mode,

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW TYPE
 0:Invalid,
 1:MUTE,
 2:RF SW TYPE--Not used"

::= { pnEsCommonEntry 11 }

pnEsModulationSchemeDirB OBJECT-TYPE

SYNTAX INTEGER (0..6)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MODULATION SCHEME DIR-B
 0:Invalid,
 1:QPSK,
 2:16QAM,
 3:32QAM,
 4:64QAM,
 5:128QAM,
 6:256QAM -- Not Used

*)This Value is fixed to 0 when Redundancy isn't 2-WAY."

::= { pnEsCommonEntry 12 }

pnEsTransmissionCapacityDirB OBJECT-TYPE

SYNTAX INTEGER (0..8)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TRANSMISSION CAPACITY DIR-B
 0:Invalid,
 1:5MB, -- Not Used
 2:10MB,
 3:20MB,
 4:40MB,
 5:80MB,
 6:100MB,
 7:156MB(STM-1/2P LAN),
 8:311MB(2xSTM-1) -- Not Used

*)This Value is fixed to 0 when Redundancy isn't 2-WAY."

::= { pnEsCommonEntry 13 }

pnEsLan2mCapacityDirA OBJECT-TYPE

SYNTAX INTEGER (0..100)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LAN & 2M CAPACITY[Mbps]

*)This Value shows for DIR-A when Redundancy is 2-WAY.

*)This Value is fixed 0 when Main CH isn't used by LAN."

::= { pnEsCommonEntry 14 }

pnEsLanScAssignmentDirA OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LAN & SC ASSIGNMENT
 0:INVALID,
 1:64Kbp,

2:128Kbps,
 3:256Kbps
 4:64Kbps(E1<DMR>)
 5:64Kbps(F1<DMR>)
 6:192Kbps(DCCr<DMR>)
 7:64Kbps(E1<MUX>)
 8:64Kbps(F1<MUX>)
 9:192Kbps(DCCr<MUX>)
 10:2Mbps (WS)
 *)This Value shows for DIR-A when Redundancy is 2-WAY.
 *)This Value is fixed to 0 when SC isn't used by LAN. "

::= { pnEsCommonEntry 15 }

pnEsLan2mCapacityDirB OBJECT-TYPE

SYNTAX INTEGER (0..100)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LAN & 2M CAPACITY(DIR-B)[Mbps]

*)This Value is fixed to 0 when Redundancy isn't 2-WAY.
 *)This Value is fixed to 0 when Main CH isn't used for LAN."

::= { pnEsCommonEntry 16 }

pnEsLanScAssignmentDirB OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LAN & SC ASSIGNMENT(DIR-B)
 0:INVALID,
 1:64Kbp,
 2:128Kbps,
 3:256Kbps
 4:64Kbps(E1<DMR>)
 5:64Kbps(F1<DMR>)
 6:192Kbps(DCCr<DMR>)
 7:64Kbps(E1<MUX>)
 8:64Kbps(F1<MUX>)
 9:192Kbps(DCCr<MUX>)
 10:2Mbps (WS)

*)This Value is fixed to 0 when Redundancy isn't 2-WAY.
 *)This Value is fixed 0 to when SC isn't used by LAN. "

::= { pnEsCommonEntry 17 }

pnEsDiNumber OBJECT-TYPE

SYNTAX INTEGER (0..48)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 DI NUMBER

*) This Value is not used when System Architecture is SDH."

::= { pnEsCommonEntry 18 }

pnEsSysTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnEsSysEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Sys Item Table"
 ::= { pnEquipmentSetUpGroup 2 }

pnEsSysEntry OBJECT-TYPE

SYNTAX PnEsSysEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnEsSysPasoIndex,
 pnEsSysIndex
 }
 ::= { pnEsSysTable 1 }

PnEsSysEntry ::= SEQUENCE {

pnEsSysPasoIndex IpAddress,
 pnEsSysIndex INTEGER,
 pnEsSysTxFreq DisplayString,
 pnEsSysRxFreq DisplayString,
 pnEsSysTxPowerCont INTEGER,
 pnEsSysFrameID INTEGER
 }

pnEsSysPasoIndex OBJECT-TYPE

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

pnEsSysIndex OBJECT-TYPE

SYNTAX INTEGER{
 no1-dirA(1),
 no2-dirB(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Equipment Setup Sys Index
 1:No. 1/DIR-A
 2:No. 2/DIR-B
 *)No.2 is available for 1+1 system.
 *)DIR-A/B is available for 2-WAY system."
 ::= { pnEsSysEntry 2 }

pnEsSysTxFreq OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..9))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX RF FREQUENCY(No.x) [MHz] x=1 or 2
 TX RF FREQUENCY(DIR-y) [MHz] y=A or B
 *)No.2 is available when Redundancy is 1+1(HS) or 1+1(TP).
 *)DIR-A/DIR-B is available when Redundancy is 2-WAY."
 ::= { pnEsSysEntry 3 }

pnEsSysRxFreq OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..9))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "RX RF FREQUENCY(No.x) [MHz] x=1 or 2
 RX RF FREQUENCY(DIR-y) [MHz] y=A or B
 *)No.2 is available when Redundancy is 1+1(HS) or 1+1(TP).
 *)DIR-A/DIR-B is available when Redundancy is 2-WAY."
 ::= { pnEsSysEntry 4 }

pnEsSysTxPowerCont OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX POWER CONTROL

TX POWER CONTROL(DIR-y) y=A or B

0:Invalid,

1:MTPC,

2:ATPC

*)No.2 is not used.

*)DIR-A/DIR-B is available when Redundancy is 2-WAY."

::= { pnEsSysEntry 5 }

pnEsSysFrameID OBJECT-TYPE

SYNTAX INTEGER (0..32)

ACCESS read-only

STATUS mandatory

DESCRIPTION "FRAME ID(No.x) x=1 or 2

FRAME ID(DIR-y) y=A or B

0:Invalid,

Other: Frame ID Number.

*)No.2 is unavailable when Redundancy is 1+0 or 1+1(HS).

*)No.2 is fixed to 0 when Redundancy is 1+0 or 1+1(HS).

*)DIR-A and DIR-B is available when Redundancy is 2-WAY."

::= { pnEsSysEntry 6 }

-- pnProvisioningGroup Group Definitions

pnProvCHTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvCHEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "Prov Ch Table"

::= { pnProvisioningGroup 1 }

pnProvCHEntry OBJECT-TYPE

SYNTAX PnProvCHEntry

ACCESS not-accessible

STATUS mandatory

INDEX

{

pnProvCHPasolIndex

}

::= { pnProvCHTable 1 }

PnProvCHEntry ::= SEQUENCE {

pnProvCHPasolIndex IpAddress,

pnChUsage OCTET STRING,

pnChCondition OCTET STRING,

pnChImpedanceOCTET STRING,

pnMsAisGeneration INTEGER

}

pnProvCHPasolIndex OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Pasolink IP Address Index"
 ::= { pnProvCHEntry 1 }

pnChUsage OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (48))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CH USAGE(CHxx)
 xx=01-48
 0:Invalid,
 1:Not Used,
 2:Used,
 3:Used(LAN)

[Description]

Byte 0 = CH01(0:Invalid, 1:Not Used, 2:Used,

3:Used(LAN))

Byte 1 = CH02

...

Byte 46 = CH47 for E1 interface

E3 CH01 for E3 interface

Byte 47 = CH48 for E1 interface

E3 CH02 for E3 interface

TRAP=eventTrapPnSTDCHUsage"

::= { pnProvCHEntry 2 }

pnChCondition OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CH CONDITION

[Description]

Byte 0 = CH USAGE ERROR REORT

0:Invalid, 1:Not Report, 2:Report

Byte 1 = AIS ACTIVATION CONDITION

0:Invalid, 1:LOF+HIGH BER 2:LOF

Byte 2 = AIS ACTIVATION DELAY -- Not Used

0:Invalid, 1:Off, 2:On

Byte 3 = AIS GENERATED REPORT

0:Invalid, 1:Not Report, 2:Report

Byte 4 = AIS RECEIVED REPORT

0:Invalid, 1:Not Report, 2:Report

Byte 5 = AIS RECEIVED CONDITION

0:Invalid, 1:Alarm, 2:Status

TRAP=eventTrapPnSTDCHCondition"

::= { pnProvCHEntry 3 }

pnChImpedance OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (10))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "E1 PORT IMPEDANCE
 0:Invalid,
 1:120[ohm],
 2:75[ohm]

[Description]

BYTE0 = E1 PORT IMPEDANCE(CH01) (0:Invalid,

1:120[ohm], 2:75[ohm])

BYTE1 = E1 PORT IMPEDANCE(CH02)
 BYTE2 = E1 PORT IMPEDANCE(CH03)
 BYTE3 = E1 PORT IMPEDANCE(CH04)
 BYTE4 = E1 PORT IMPEDANCE(CH05-08)
 BYTE5 = E1 PORT IMPEDANCE(CH09-16)
 BYTE6 = E1 PORT IMPEDANCE(CH17-24)
 BYTE7 = E1 PORT IMPEDANCE(CH25-32)
 BYTE8 = E1 PORT IMPEDANCE(CH33-40)
 BYTE9 = E1 PORT IMPEDANCE(CH41-48)

TRAP=eventTrapPnSTDCHImpedance"

::= { pnProvCHEntry 4 }

pnMsAisGeneration OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MS-AIS GENERATION
 0:Invalid,
 1:Disabled,
 2:Enabled

TRAP=eventTrapPnSTDMSAisGeneration"

::= { pnProvCHEntry 5 }

pnProvDXCTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvDXCEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Prov DXC Table"
 ::= { pnProvisioningGroup 2 }

pnProvDXCEntry OBJECT-TYPE

SYNTAX PnProvDXCEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnProvDXCPasolIndex
 }

::= { pnProvDXCTable 1 }

PnProvDXCEntry ::= SEQUENCE {

pnProvDXCPasolIndex IpAddress,
 pnDxcFunction INTEGER,
 pnDxcCHSettingOCTET STRING,
 pnDxcAssign OCTET STRING
 }

pnProvDXCPasolIndex OBJECT-TYPE

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

pnDxcFunction OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "DXC FUNCTION

0:Invalid,
1:Disabled,
2:Enabled
TRAP=eventTrapPnSTDDxcFunction"

::= { pnProvDXCEntry 2 }

pnDxcCHSetting OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (156))
ACCESS read-only
STATUS mandatory
DESCRIPTION "DXC CH Setting

[Description]

Byte 0 = CH01

...

Byte 47 = CH48

Byte 52 = DIR-A CH01 Setting

...

Byte 99 = DIR-A CH48 Setting

Byte 104 = DIR-B CH01 Setting

...

Byte 151 = DIR-B CH48 Setting

Bit 0-5 (000000=Invalid, 000001=CH1,...,110000=CH48)

Bit 6-7 (00=LINE,01=DIR-A,10=DIR-B,11=LAN)

TRAP=eventTrapPnSTDDxcCHSetting"

::= { pnProvDXCEntry 3 }

pnDxcAssign OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (48))
ACCESS read-only
STATUS mandatory
DESCRIPTION "This item is not used.
DXC ASSIGNMENT CHANGED

0:INVALID,

1:PORT1,

2:PORT2,

...

47:PORT47,

48:PORT48

[Description]

Byte 0 = CH01 (0:Invalid, X:Port X, x=1~48)

Byte 1 = CH02

...

Byte 46 = CH47

Byte 47 = CH48

TRAP=eventTrapPnSTDDxcAssign"

::= { pnProvDXCEntry 4 }

pnProvBERThresholdTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvBERThresholdEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "Prov BER Threshold Table"
::= { pnProvisioningGroup 3 }

pnProvBERThresholdEntry OBJECT-TYPE

SYNTAX PnProvBERThresholdEntry
ACCESS not-accessible

```

STATUS      mandatory
INDEX      {
                                pnProvBERThresholdPasolIndex
                                }
::= { pnProvBERThresholdTable 1 }

```

```

PnProvBERThresholdEntry ::= SEQUENCE {
                                pnProvBERThresholdPasolIndex  IpAddress,
                                pnProvBERThreshold  OCTET STRING
                                }

```

```

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

```

```

pnProvBERThreshold OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (8))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "BER THRESHOLD SETTING

```

```

                                [Description]
                                Byte 0 = HIGH BER THRESHOLD/HIGH BER

```

THRESHOLD(DIR-A)

```

                                (0:INVALID, 1:1E-3, 2:1E-4, 3:1E-5)

```

```

                                Byte 1 = HIGH BER THRESHOLD(DIR-B)

```

```

                                (0:INVALID, 1:1E-3, 2:1E-4, 3:1E-5)

```

```

                                Byte 2 = LOW BER THRESHOLD/LOW BER

```

THRESHOLD(DIR-A)

```

                                (0:INVALID, 1:1E-6, 2:1E-7, 3:1E-8, 4:1E-9)

```

```

                                Byte 3 = LOW BER THRESHOLD(DIR-B)

```

```

                                (0:INVALID, 1:1E-6, 2:1E-7, 3:1E-8, 4:1E-9)

```

```

                                Byte 4 = E-BER(DMR)

```

```

                                (0:INVALID, 1:1E-3, 2:1E-4, 3:1E-5)

```

```

                                Byte 5 = SD(DMR)

```

```

                                (0:INVALID, 1:1E-6, 2:1E-7, 3:1E-8, 4:1E-9)

```

```

                                Byte 6 = E-BER(MUX)

```

```

                                (0:INVALID, 1:1E-3, 2:1E-4, 3:1E-5)

```

```

                                Byte 7 = SD(MUX)

```

```

                                (0:INVALID, 1:1E-6, 2:1E-7, 3:1E-8, 4:1E-9)

```

```

                                TRAP=eventTrapPnSTDBERThreshold"

```

```

::= { pnProvBERThresholdEntry 2 }

```

```

pnProvSubIntfcTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnProvSubIntfcEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION  "Prov Sub Intfc Table"
    ::= { pnProvisioningGroup 4 }

```

```

pnProvSubIntfcEntry OBJECT-TYPE
    SYNTAX      PnProvSubIntfcEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX      {
                                pnProvSubIntfcPasolIndex
                                }

```

```
::= { pnProvSubIntfcTable 1 }
```

```
PnProvSubIntfcEntry ::= SEQUENCE {
    pnProvSubIntfcPasoIndexIpAddress,
    pnProvSubIntfc OCTET STRING
}
```

```
pnProvSubIntfcPasoIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Pasolink IP Address Index"
    ::= { pnProvSubIntfcEntry 1 }
```

```
pnProvSubIntfc OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (4))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "SUB INTERFACE for SDH system
                WAYSIDE SETTING for GbE over STM-1(VLAN)
```

```
interface
```

```
    [Description]
    Byte 0 = SUB INTFC / WS CH1
              (0:INVALID
               1:NOT USED
               2:E1 WAYSIDE+SC LAN(SC) -- Not used
               3:E1 WAYSIDE -- for SUB INTFC
                 USED -- for WS CH1
               4:SC LAN(WAYSIDE) -- Not used
               5:SC LAN(SC)) -- Not used
    Byte 1 = WS IMPEDANCE
    Byte 2 = WS AIS GENERATED REPORT
    Byte 3 = WS AIS RECEIVED REPORT
```

```
    TRAP=eventTrapPnSTDSUBIntfc"
```

```
::= { pnProvSubIntfcEntry 2 }
```

```
pnProvSCAssignmentTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnProvSCAssignmentEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "Prov SC Assignment Table"
    ::= { pnProvisioningGroup 5 }
```

```
pnProvSCAssignmentEntry OBJECT-TYPE
    SYNTAX      PnProvSCAssignmentEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX       {
        pnProvSCAssignmentPasoIndex
    }
    ::= { pnProvSCAssignmentTable 1 }
```

```
PnProvSCAssignmentEntry ::= SEQUENCE {
    pnProvSCAssignmentPasoIndex IpAddress,
    pnProvSCAssign OCTET STRING
}
```

```
pnProvSCAssignmentPasoIndex OBJECT-TYPE
    SYNTAX      IpAddress
```

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Pasolink IP Address Index"
 ::= { pnProvSCAssignmentEntry 1 }

pnProvSCAssign OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (8))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "SC ASSIGNMENT

[Description]

Byte 0 = RS-232C-1

(0:INVALID, 1:NOT USED, 2:SC1, 3:SC2,
 4:SC3, 5:SC4, 16:E1(MUX), 17:F1(MUX),
 19:E1(DMR), 20:F1(DMR))

Byte 1 = RS-232C-2

(0:INVALID, 1:NOT USED, 2:SC1, 3:SC2,
 4:SC3, 5:SC4, 16:E1(MUX), 17:F1(MUX),
 19:E1(DMR), 20:F1(DMR))

Byte 2 = V11-1

(0:INVALID, 1:NOT USED, 2:SC1, 3:SC2,
 4:SC3, 5:SC4, 16:E1(MUX), 17:F1(MUX),
 18:DCCr(MUX), 19:E1(DMR), 20:F1(DMR),
 21:DCCr(DMR))

Byte 3 = V11-2

(0:INVALID, 1:NOT USED, 2:SC1, 3:SC2,
 4:SC3, 5:SC4, 16:E1(MUX), 17:F1(MUX),
 18:DCCr(MUX), 19:E1(DMR), 20:F1(DMR),
 21:DCCr(DMR))

Byte 4 = SC LAN1

(0:INVALID, 1:NOT USED, 2:SC1, 10:SC1-2,
 14:SC1-4, 16:E1(MUX), 17:F1(MUX),

18:DCCr(MUX),

19:E1(DMR), 20:F1(DMR), 21:DCCr(DMR))

Byte 5 = SC LAN2

(0:INVALID, 1:NOT USED, 2:SC1, 10:SC1-2,
 14:SC1-4, 16:E1(MUX), 17:F1(MUX),

18:DCCr(MUX),

19:E1(DMR), 20:F1(DMR), 21:DCCr(DMR))

Byte 6 = V11-1 DIRECTION SETTING

(0:INVALID, 1:CO-DIRECTIONAL,

2:CONTRA-DIRECTIONAL)

Byte 7 = V11-2 DIRECTION SETTING

(0:INVALID, 1:CO-DIRECTIONAL,

2:CONTRA-DIRECTIONAL)

TRAP=eventTrapPnSTDSCAssign"

::= { pnProvSCAssignmentEntry 2 }

pnProvLANPortSetTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvLANPortSetEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Prov LAN Port Set Table"
 ::= { pnProvisioningGroup 6 }

pnProvLANPortSetEntry OBJECT-TYPE

SYNTAX PnProvLANPortSetEntry
 ACCESS not-accessible
 STATUS mandatory

```

INDEX      {
                                pnProvLANPortSetPasolIndex
                                }
 ::= { pnProvLANPortSetTable 1 }

```

```

PnProvLANPortSetEntry ::= SEQUENCE {
                                pnProvLANPortSetPasolIndex    IpAddress,
                                pnProvLANPortSet               OCTET STRING
                                }

```

```

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

```

```

pnProvLANPortSet OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (41))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "LAN PORT SETTING
    [Description]
    Byte 0 = SWITCHING FUNCTION
    (0:INVALID, 1:DISABLED(No Report),

```

2:ENABLED(Report))

```

    Byte 1 = SPEED & DUPLEX PORT1
    Byte 2 = SPEED & DUPLEX PORT2
    Byte 3 = SPEED & DUPLEX PORT3
    Byte 4 = SPEED & DUPLEX PORT4
    Byte 5 = INTFC(2) SPEED & DUPLEX PORT1
    Byte 6 = INTFC(2) SPEED & DUPLEX PORT2
    (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))

```

```

    Byte 7 = FLOW CONTROL PORT1
    Byte 8 = FLOW CONTROL PORT2
    Byte 9 = FLOW CONTROL PORT3
    Byte 10 = FLOW CONTROL PORT4
    Byte 11 = INTFC(2) FLOW CONTROL PORT1
    Byte 12 = INTFC(2) FLOW CONTROL PORT2
    (0:INVALID, 1:OFF, 2:ON)

```

```

    Byte 13 = COLLISION REPORT PORT1
    Byte 14 = COLLISION REPORT PORT2
    Byte 15 = COLLISION REPORT PORT3
    Byte 16 = COLLISION REPORT PORT4
    Byte 17 = INTFC(2) COLLISION REPORT PORT1
    Byte 18 = INTFC(2) COLLISION REPORT PORT2
    (0:INVALID, 1:DISABLED(No Report),

```

2:ENABLED(Report))

```

    Byte 19 = LINK LOSS FORWARDING PORT1
    Byte 20 = LINK LOSS FORWARDING PORT2
    Byte 21 = LINK LOSS FORWARDING PORT3
    Byte 22 = LINK LOSS FORWARDING PORT4

```


Byte 23 = INTFC(2) LINK LOSS FWD PORT1
 Byte 24 = INTFC(2) LINK LOSS FWD PORT2
 (0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 25 = LOCK SOURCE SETTING
 (0:INVALID, 1:INTERNAL CLOCK,
 2:DMR -> INTERNAL CLOCK)

Byte 26 = 2M FRAMING PORT1
 Byte 27 = 2M FRAMING PORT2
 Byte 28 = 2M FRAMING PORT3
 Byte 29 = 2M FRAMING PORT4
 (0:NOT USED, 1:PCM30, 2:PCM30C,
 3:PCM31, 4:PCM31C)

Byte 30 = LAN PORT1 USAGE
 Byte 31 = LAN PORT2 USAGE
 Byte 32 = LAN PORT3 USAGE
 Byte 33 = LAN PORT4 USAGE
 Byte 34 = INTFC(2) LAN PORT1 USAGE
 Byte 35 = INTFC(2) LAN PORT2 USAGE
 (0:INVALID, 1:NOT USED, 2:USED)
 Byte 36 = SUB SWITCHING FUNCTION
 (0:INVALID, 1:DISABLED, 2:ENABLED)
 Byte 37 = GbE MEDIA TYPE
 (0:INVALID, 1:SFP, 2:RJ-45)
 Byte 38 = GbE SPEED & DUPLEX
 (0:INVALID,
 1:RESERVE1,
 2:AUTONEG(AUTO 1000MB FULL DUPLEX),
 3:AUTONEG(AUTO MDI/MDIX),
 4:RESERVE4,
 5:RESERVE5,
 6:100MB-FULL(MDI),
 7:100MB-FULL(MDIX),
 8:100MB-HALF(MDI),
 9:100MB-HALF(MDIX),
 10:10MB-FULL(MDI),
 11:10MB-FULL(MDIX),
 12:10MB-HALF(MDI),
 13:10MB-HALF(MDIX))

Byte 39 = GbE LINK LOSS FORWARDING
 (0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 40 = GbE FLOW CONTROL(0:INVALID, 1:OFF, 2:ON)

LAN PORT SETTING is used in LAN PORT SETTING except for VLAN.
 TRAP=eventTrapPnSTDLanPortSetting"

::= { pnProvLANPortSetEntry 2 }

pnProvALSTable OBJECT-TYPE

SYNTAX	SEQUENCE OF PnProvALSEntry
ACCESS	not-accessible
STATUS	mandatory
DESCRIPTION	"Prov ALS Table"
::=	{ pnProvisioningGroup 7 }

pnProvALSEntry OBJECT-TYPE

SYNTAX	PnProvALSEntry
ACCESS	not-accessible
STATUS	mandatory
INDEX	{

```

                                pnProvALSPasoIndex
                                }
 ::= { pnProvALSTable 1 }

PnProvALSEntry ::= SEQUENCE {
                                pnProvALSPasoIndex  IpAddress,
                                pnAlsFunc           OCTET STRING
                                }

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

pnAlsFunc OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (2))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "ALS FUNCTION
                [Description]
                Byte0 = ALS FUNCTION
                0:Invalid,
                1:Disabled,
                2:Enabled
                Byte1 = ALS INTERVAL
                0:Invalid,
                1:60sec,
                2:180sec,
                3:300sec
                TRAP=eventTrapPnSTDAIsFunction"
    ::= { pnProvALSEntry 2 }

pnProvTxPowerContTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnProvTxPowerContEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "PROV TX Power Cont Table"
    ::= { pnProvisioningGroup 8 }

pnProvTxPowerContEntry OBJECT-TYPE
    SYNTAX      PnProvTxPowerContEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX      {
                                pnProvTxPowerContPasoIndex,
                                pnProvTxPowerContIndex
                                }
    ::= { pnProvTxPowerContTable 1 }

PnProvTxPowerContEntry ::= SEQUENCE {
                                pnProvTxPowerContPasoIndex IpAddress,
                                pnProvTxPowerContIndex  INTEGER,
                                pnProvTxPowerContValue  OCTET STRING
                                }

pnProvTxPowerContPasoIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only

```

STATUS mandatory
 DESCRIPTION "Pasolink IP Address Index"
 ::= { pnProvTxPowerContEntry 1 }

pnProvTxPowerContIndex OBJECT-TYPE

SYNTAX INTEGER{
 no1-dirA(1),
 no2-dirB(2)
 }

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "PROV TX Power Cont Index
 1:No. 1/DIR-A
 2:No. 2/DIR-B

*)No.2 is available for 1+1 system.

*)DIR-A/B is available for 2-WAY system."

::= { pnProvTxPowerContEntry 2 }

pnProvTxPowerContValue OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (9))

ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX POWER CTRL

[Description]

Byte 0

MTPC TX POWER (signed char)

Byte 1

ATPC THRESHOLD LEVEL <integral number>
 (signed char)

Byte 2

ATPC THRESHOLD LEVEL <a place of decimal>
 This value is fixed to 0.

Byte 3

ADDITIONAL ATT
 (char)

Byte 4

ATPC(MAX)
 (signed char)

Byte 5

ATPC(MIN)
 (signed char)

Byte 6

HYSTERESIS -- Not Used
 This is fixed value.

Byte 7

ATPC POWER MODE
 0:INVALID, 1:HOLD, 2:MAX, 3:MIN

Byte 8

COMM ALARM MODE --No.2 is not used.
 0:INVALID, 1:HOLD, 2:MUTE

*)In case of Byte 0 - 5, the range of each value is

defined in the mib of

invTRUProvRangeInfoValue.

TRAP=eventTrapPnSTDTPowerContValue"

::= { pnProvTxPowerContEntry 3 }

pnProvSWCondTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvSWCondEntry

ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Prov SW Cond Table"
 ::= { pnProvisioningGroup 9 }

pnProvSWCondEntry OBJECT-TYPE

SYNTAX PnProvSWCondEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {

pnProvSWCondPasoIndex

}
 ::= { pnProvSWCondTable 1 }

PnProvSWCondEntry ::= SEQUENCE {

pnProvSWCondPasoIndex IpAddress,
 pnProvSWCondTxRxSW OCTET STRING,
 pnProvSWCondAPS OCTET STRING,
 pnProvSWCondTxSWLockIn OCTET STRING,
 pnProvSWCondTxSWSensitivity INTEGER
 }

pnProvSWCondPasoIndex OBJECT-TYPE

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

pnProvSWCondTxRxSW OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (5))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CONDITION for TX/RX SW

[Description]

Byte 0 = TX SW PRIORITY

(0:INVALID, 1:NON PRIORITY, 2:PRIORITY No.1)

Byte 1 = RX SW PRIORITY

(0:INVALID, 1:NON PRIORITY, 2:PRIORITY No.1)

Byte 2 = RX SW MAINTENANCE MODE

(0:INVALID, 1:MANUAL, 2:FORCED)

Byte 3 = RX SW CONDITION-EARLY WARNING

(0:INVALID, 1:INCLUDED EW, 2:EXCLUDED EW)

Byte 4 = RX SW CONDITION-XPIC RESET

(0:INVALID, 1:INCLUDED CROSS RESET,

2:EXCLUDED CROSS RESET)

TRAP=eventTrapPnSTDSWCondTxRx"

::= { pnProvSWCondEntry 2 }

pnProvSWCondAPS OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (7))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CONDITION for APS

[Description]

Byte 0 = APS ALARM PRIORITY

(0:INVALID, 1:Manual, 2:FORCED)

Byte 1 = APS CONDITION-SF

(0:INVALID, 1:PRIORITY HIGH, 2:PRIORITY LOW)
 Byte 2 = APS CONDITION-SD
 (0:INVALID, 1:INCLUDED SD, 2:EXCLUDED SD)
 Byte 3 = LOCK IN USAGE (0:INVALID, 1:NOT USED, 2:USED)
 Byte 4 = LOCK IN COUNT (VALUE(INT 0-255))
 Byte 5 = LOCK IN DETECT TIME (VALUE(INT 0-60))
 Byte 6 = LOCK IN HOLD TIME (VALUE(INT 0-48))
 TRAP=eventTrapPnSTDSWCondAPS"
 ::= { pnProvSWCondEntry 3 }

pnProvSWCondTxSWLockIn OBJECT-TYPE
 SYNTAX OCTET STRING (SIZE (8))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "CONDITION for TX/RX SW
 [Description]
 Byte 0 = TX SW LOCK IN USAGE
 (0:INVALID, 1:USED, 2:NOT USED)
 Byte 1 --Not Used
 Byte 2 --Not Used
 Byte 3 = TX SW DETECTION TIME (VALUE(INT 0-60)) --Not
 Used
 Byte 4 = TX SW DETECTION COUNTER (VALUE(INT
 0-255)) --Not Used
 Byte 5 = AUTOMATIC CLEAR LOCK IN USAGE --Not Used
 (0:INVALID, 1:USED, 2:NOT USED)
 Byte 6 = CLEAR LOCK IN TIME (VALUE(INT 0-48)) --Not
 Used
 Byte 7 = TX SW REVERSE FUNCTION
 (0:INVALID, 1:NOT USED, 2:USED)
 TRAP=eventTrapPnSTDSWCondTxSWLockIn"
 ::= { pnProvSWCondEntry 4 }

pnProvSWCondTxSWSensitivity OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW SENSITIVITY
 0:Invalid
 1:Normal
 2:High
 TRAP=eventTrapPnSTDtxSWSensitivity"
 ::= { pnProvSWCondEntry 5 }

pnProvRelayTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PnProvRelayEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Prov Relay Table"
 ::= { pnProvisioningGroup 10 }

pnProvRelayEntry OBJECT-TYPE
 SYNTAX PnProvRelayEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnProvRelayPasoIndex

```

    }
    ::= { pnProvRelayTable 1 }

```

```

PnProvRelayEntry ::= SEQUENCE {
    pnProvRelayPasoIndex  IpAddress,
    pnProvRelayConfigData OCTET STRING,
    pnProvRelayClusterAssign OCTET STRING
}

```

```

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

```

```

pnProvRelayConfigData OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (48))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "RELAY CONFIGURATION

```

```

[Description]
(Relay x (x:1~6))
[START BIT] = 64 * (x - 1)

```

```

    Bit (0 + [START BIT]) = MAINT (Remark1)
    Bit (1 + [START BIT]) = PS ALARM1 (Remark2)
    Bit (2 + [START BIT]) = PS ALARM2 (Remark2)
    Bit (3 + [START BIT]) = (FIXED to 0)
    Bit (4 + [START BIT]) = (FIXED to 0)
    Bit (5 + [START BIT]) = (FIXED to 0)
    Bit (6 + [START BIT]) = (FIXED to 0)
    Bit (7 + [START BIT]) = CPU ALARM (Remark2)
    Bit (8 + [START BIT]) = ODU ALARM1 (Remark7)
    Bit (9 + [START BIT]) = ODU ALARM2 (Remark7)
    Bit (10 + [START BIT]) = IDU ALARM (Remark7)
    Bit (11 + [START BIT]) = (FIXED to 0)
    Bit (12 + [START BIT]) = (FIXED to 0)
    Bit (13 + [START BIT]) = (FIXED to 0)
    Bit (14 + [START BIT]) = (FIXED to 0)
    Bit (15 + [START BIT]) = (FIXED to 0)
    Bit (16 + [START BIT]) = TX POWER ALARM1 (Remark7)
    Bit (17 + [START BIT]) = TX POWER ALARM2 (Remark7)
    Bit (18 + [START BIT]) = TX IN LEV ALARM1 (Remark7)
    Bit (19 + [START BIT]) = TX IN LEV ALARM2 (Remark7)
    Bit (20 + [START BIT]) = RX LEV ALARM1 (Remark7)
    Bit (21 + [START BIT]) = RX LEV ALARM2 (Remark7)
    Bit (22 + [START BIT]) = APC ALARM1 (Remark7)
    Bit (23 + [START BIT]) = APC ALARM2 (Remark7)
    Bit (24 + [START BIT]) = IF CABLE SHORT ALARM1

```

(Remark7)

```

    Bit (25 + [START BIT]) = IF CABLE SHORT ALARM2

```

(Remark7)

```

    Bit (26 + [START BIT]) = ODU CPU ALARM1 (Remark7)
    Bit (27 + [START BIT]) = ODU CPU ALARM2 (Remark7)
    Bit (28 + [START BIT]) = (FIXED to 0)
    Bit (29 + [START BIT]) = (FIXED to 0)
    Bit (30 + [START BIT]) = (FIXED to 0)
    Bit (31 + [START BIT]) = (FIXED to 0)

```

Bit (32 + [START BIT]) = MOD ALARM1 (Remark7)
 Bit (33 + [START BIT]) = MOD ALARM2 (Remark7)
 Bit (34 + [START BIT]) = DEM ALARM1 (Remark7)
 Bit (35 + [START BIT]) = DEM ALARM2 (Remark7)
 Bit (36 + [START BIT]) = CH INPUT LOSS (Remark7)
 Bit (37 + [START BIT]) = CH AIS RECEIVED (Remark7)
 Bit (38 + [START BIT]) = CH AIS GENERATED (Remark7)
 Bit (39 + [START BIT]) = CH USAGE ERROR (Remark7)
 Bit (40 + [START BIT]) = LOW BER ALARM1 (Remark7)
 Bit (41 + [START BIT]) = LOW BER ALARM2 (Remark7)
 Bit (42 + [START BIT]) = HIGH BER ALARM1 (Remark7)
 Bit (43 + [START BIT]) = HIGH BER ALARM2 (Remark7)
 Bit (44 + [START BIT]) = STM-1 TF ALARM (Remark7)
 Bit (45 + [START BIT]) = STM-1 SLOS (Remark7)
 Bit (46 + [START BIT]) = STM-1 RLOS (Remark7)
 Bit (47 + [START BIT]) = LAN LINK ALARM (Remark7)
 Bit (48 + [START BIT]) = LOF1 (Remark7)
 Bit (49 + [START BIT]) = LOF2 (Remark7)
 Bit (50 + [START BIT]) = XREF ALARM1 (Remark7)
 Bit (51 + [START BIT]) = XREF ALARM2 (Remark7)
 Bit (52 + [START BIT]) = XCTRL ALARM (Remark7)
 Bit (53 + [START BIT]) = XCTRL ALARM2 (Remark7) -- Not

used

Bit (54 + [START BIT]) = SC LAN LINK ALARM (Remark7)
 Bit (55 + [START BIT]) = WS INPUT LOSS (Remark7)
 Bit (56 + [START BIT]) = CLUSTER ALARM1 (Remark6)
 Bit (57 + [START BIT]) = CLUSTER ALARM2 (Remark5)
 Bit (58 + [START BIT]) = CLUSTER ALARM3 (Remark4)
 Bit (59 + [START BIT]) = CLUSTER ALARM4 (Remark3)
 Bit (60 + [START BIT]) = HK1 OUTPUT (Remark6)
 Bit (61 + [START BIT]) = HK2 OUTPUT (Remark5)
 Bit (62 + [START BIT]) = HK3 OUTPUT (Remark4)
 Bit (63 + [START BIT]) = HK4 OUTPUT (Remark3)

Remark1 : The value of Relay 1 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark2 : The value of Relay 2 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark3 : The value of Relay 3 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark4 : The value of Relay 4 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark5 : The value of Relay 5 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark6 : The value of Relay 6 is fixed to 1.
 The value of the other Relay is fixed to 0.
 Remark7 : The value of Relay 1 and Relay 2 is fixed to 0.
 The value of the other Relay is 0 or 1.

TRAP=eventTrapPnSTDRelayConfigData"

::= { pnProvRelayEntry 2 }

pnProvRelayClusterAssign	OBJECT-TYPE
SYNTAX	OCTET STRING (SIZE (4))
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"CLUSTER INPUT 0:Invalid, 1:Disabled, 2:Enabled)

[Description]
 Byte 0 = CLUSTER1 INPUT (0:Invalid, 1:Disabled, 2:Enabled)
 Byte 1 = CLUSTER2 INPUT
 Byte 2 = CLUSTER3 INPUT
 Byte 3 = CLUSTER4 INPUT
 TRAP=eventTrapPnSTDRelayClusterAssign"

::= { pnProvRelayEntry 3 }

pnProvTCNThresholdGroup OBJECT IDENTIFIER
 ::= { pnProvisioningGroup 11 }

pnProvTCNThreshold15minTotalTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PnProvTCNThreshold15minTotalEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Prov TCN Threshold 15min Total Table"
 ::= { pnProvTCNThresholdGroup 1 }

pnProvTCNThreshold15minTotalEntry OBJECT-TYPE
 SYNTAX PnProvTCNThreshold15minTotalEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnProvTCNThreshold15minTotalPasolIndex,
 pnProvTCNThreshold15minTotalWPIndex,
 pnProvTCNThreshold15minTotalORIndex
 }
 ::= { pnProvTCNThreshold15minTotalTable 1 }

PnProvTCNThreshold15minTotalEntry ::= SEQUENCE {
 pnProvTCNThreshold15minTotalPasolIndex IpAddress,
 pnProvTCNThreshold15minTotalWPIndex INTEGER,
 pnProvTCNThreshold15minTotalORIndex INTEGER,
 pnProvTCNThreshold15minTotalValue OCTET STRING
 }

pnProvTCNThreshold15minTotalPasolIndex OBJECT-TYPE
 SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Pasolink IP Address Index"
 ::= { pnProvTCNThreshold15minTotalEntry 1 }

pnProvTCNThreshold15minTotalWPIndex OBJECT-TYPE
 SYNTAX INTEGER{
 working-MUX(1),
 protection-MUX(2),
 working-DMR-dirA(3),
 protection-DMR-dirB(4)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN 15min Current Total Working/Protection Index
 1:Working(MUX),
 2:Protection(MUX),
 3:Working(DMR)/Working(DIR-A)
 4:Protection(DMR)/Working(DIR-B)

 *)MUX side is not used when using LAN.

*)Protection is only used when APS function is used.

)DIR- is only used when Redundancy is 2-Way.

"

::= { pnProvTCNThreshold15minTotalEntry 2 }

pnProvTCNThreshold15minTotalORIndex OBJECT-TYPE

SYNTAX INTEGER{
occur(1),
recover(2)
}

ACCESS read-only
STATUS mandatory

DESCRIPTION "TCN Threshold 15min Total Occur/Recover Index
1:Occur,
2:Recover"

::= { pnProvTCNThreshold15minTotalEntry 3 }

pnProvTCNThreshold15minTotalValue OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (24))

ACCESS read-only
STATUS mandatory

DESCRIPTION "TCN THRESHOLD 15MIN TOTAL

[Description]

(0 - 900)

(Byte 0 - Byte 3) = OFS TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 4 - Byte 7) = UAS TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 8 - Byte 11) = ES TCN THRESHOLD TOTAL-15min

(0 - 900)

(Byte 12 - Byte 15) = SES TCN THRESHOLD TOTAL-15min

(Byte 16 - Byte 19) = BBE TCN THRESHOLD TOTAL-15min

(PDH(Bit Rate = 10MB) : 0 - 804600

PDH(Bit Rate = 20MB) : 0 - 804600

PDH(Bit Rate = 40MB) : 0 - 804600

PDH(Bit Rate = 80MB) : 0 -

1611000

PDH(Bit Rate = 100MB) : 0 -

1611000

SDH(Bit Rate = 156MB) : 0 -

2159100)

(Byte 20 - Byte 23) = SEP TCN THRESHOLD TOTAL-15min

(0 - 900)

TRAP=eventTrapPnSTDTCNThreshold15minTotal"

::= { pnProvTCNThreshold15minTotalEntry 4 }

pnProvTCNThreshold15minCHTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvTCNThreshold15minCHEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "PROV TCN Threshold 15min CH Table"

::= { pnProvTCNThresholdGroup 2 }

pnProvTCNThreshold15minCHEntry OBJECT-TYPE

SYNTAX PnProvTCNThreshold15minCHEntry

ACCESS not-accessible

STATUS mandatory

INDEX

{

pnProvTCNThreshold15minCHPasolIndex,

```

pnProvTCNThreshold15minCHIndex,
pnProvTCNThreshold15minCHORIndex
}
::= { pnProvTCNThreshold15minCHTable 1 }

PnProvTCNThreshold15minCHEntry ::= SEQUENCE {
    pnProvTCNThreshold15minCHPasolIndex    IpAddress,
    pnProvTCNThreshold15minCHIndex        INTEGER,
    pnProvTCNThreshold15minCHORIndex      INTEGER,
    pnProvTCNThreshold15minCHValue        OCTET STRING
}

pnProvTCNThreshold15minCHPasolIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Pasolink IP Address Index"
    ::= { pnProvTCNThreshold15minCHEntry 1 }

pnProvTCNThreshold15minCHIndex OBJECT-TYPE
    SYNTAX      INTEGER{
        ch-A(1),
        ch-B(2),
        ch-C(3),
        ch-D(4)
    }
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "TCN 15min Current CH Index
        1:CH-A,
        2:CH-B,
        3:CH-C,
        4:CH-D

    "
    ::= { pnProvTCNThreshold15minCHEntry 2 }

pnProvTCNThreshold15minCHORIndex OBJECT-TYPE
    SYNTAX      INTEGER{
        occur(1),
        recover(2)
    }
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "TCN Threshold 15min CH Occur/Recover Index
        1:Occur,
        2:Recover"
    ::= { pnProvTCNThreshold15minCHEntry 3 }

pnProvTCNThreshold15minCHValue OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (24))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "This item is not used.
        TCN THRESHOLD 15MIN CH
        This value is used by only PDH.

    [Description]
    (Byte 0 - Byte 3)    = (Fixed to 0)

```

900) (Byte 4 - Byte 7) = UAS TCN THRESHOLD CH-15min (0 -
 900) (Byte 8 - Byte 11) = ES TCN THRESHOLD CH-15min (0 -
 900) (Byte 12 - Byte 15) = SES TCN THRESHOLD CH-15min (0 -
 402300) (Byte 16 - Byte 19) = BBE TCN THRESHOLD CH-15min (0 -
 900) (Byte 20 - Byte 23) = SEP TCN THRESHOLD CH-15min (0 -

TRAP=eventTrapPnSTDTCNTreshold15minCH"
 ::= { pnProvTCNThreshold15minCHEntry 4 }

pnProvTCNThreshold1dayTotalTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvTCNThreshold1dayTotalEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "PROV TCN Threshold 1day Total Table"
 ::= { pnProvTCNThresholdGroup 3 }

pnProvTCNThreshold1dayTotalEntry OBJECT-TYPE

SYNTAX PnProvTCNThreshold1dayTotalEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnProvTCNThreshold1dayTotalPasoIndex,
 pnProvTCNThreshold1dayTotalWPIndex,
 pnProvTCNThreshold1dayTotalORIndex
 }
 ::= { pnProvTCNThreshold1dayTotalTable 1 }

PnProvTCNThreshold1dayTotalEntry ::= SEQUENCE {

pnProvTCNThreshold1dayTotalPasoIndex IpAddress,
 pnProvTCNThreshold1dayTotalWPIndex INTEGER,
 pnProvTCNThreshold1dayTotalORIndex INTEGER,
 pnProvTCNThreshold1dayTotalValue OCTET STRING
 }

pnProvTCNThreshold1dayTotalPasoIndex OBJECT-TYPE

SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Pasolink IP Address Index"
 ::= { pnProvTCNThreshold1dayTotalEntry 1 }

pnProvTCNThreshold1dayTotalWPIndex OBJECT-TYPE

SYNTAX INTEGER{
 working-MUX(1),
 protection-MUX(2),
 working-DMR-dirA(3),
 protection-DMR-dirB(4)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TCN 1day Current Total Working/Protection Index
 1:Working(MUX),
 2:Protection(MUX),
 3:Working(DMR)/Working(DIR-A)
 4:Protection(DMR)/Working(DIR-B)

*)MUX side is not used when using LAN.
 *)Protection is only used when APS function is used.
)DIR- is only used when Redundancy is 2-Way."

::= { pnProvTCNThreshold1dayTotalEntry 2 }

pnProvTCNThreshold1dayTotalORIndex OBJECT-TYPE

SYNTAX INTEGER{
 occur(1),
 recover(2)
 }

ACCESS read-only
 STATUS mandatory

DESCRIPTION "TCN Threshold 1day Total Occur/Recover Index
 1:Occur,
 2:Recover"

::= { pnProvTCNThreshold1dayTotalEntry 3 }

pnProvTCNThreshold1dayTotalValue OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (24))

ACCESS read-only
 STATUS mandatory

DESCRIPTION "TCN THRESHOLD 1DAY TOTAL

[Description]

(Byte 0 - Byte 3) = OFS TCN THRESHOLD TOTAL-1day (0 -

86400)

(Byte 4 - Byte 7) = UAS TCN THRESHOLD TOTAL-1day (0 -

86400)

(Byte 8 - Byte 11) = ES TCN THRESHOLD TOTAL-1day (0 -

86400)

(Byte 12 - Byte 15) = SES TCN THRESHOLD TOTAL-1day (0

- 86400)

(Byte 16 - Byte 19) = BBE TCN THRESHOLD TOTAL-1day
 (PDH(Bit Rate = 10MB) : 0 -

77241600

PDH(Bit Rate = 20MB) : 0 -

77241600

PDH(Bit Rate = 40MB) : 0 -

77241600

PDH(Bit Rate = 80MB) : 0 -

154656000

PDH(Bit Rate = 100MB) : 0 -

154656000

SDH(Bit Rate = 156MB) : 0 -

207273600)

(Byte 20 - Byte 23) = SEP TCN THRESHOLD TOTAL-1day (0

- 86400)

TRAP=eventTrapPnSTDTCNTreshhold1dayTotal"

::= { pnProvTCNThreshold1dayTotalEntry 4 }

pnProvTCNThreshold1dayCHTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvTCNThreshold1dayCHEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "PROV TCN Threshold 1day CH Table"

::= { pnProvTCNTreshholdGroup 4 }

pnProvTCNThreshold1dayCHEntry OBJECT-TYPE

SYNTAX PnProvTCNThreshold1dayCHEntry

ACCESS not-accessible

```

STATUS      mandatory
INDEX      {
                                pnProvTCNThreshold1dayCHPasolIndex,
                                pnProvTCNThreshold1dayCHIndex,
                                pnProvTCNThreshold1dayCHORIndex
                                }
::= { pnProvTCNThreshold1dayCHTable 1 }

```

```

PnProvTCNThreshold1dayCHEntry ::= SEQUENCE {
                                pnProvTCNThreshold1dayCHPasolIndex    IpAddress,
                                pnProvTCNThreshold1dayCHIndex        INTEGER,
                                pnProvTCNThreshold1dayCHORIndex       INTEGER,
                                pnProvTCNThreshold1dayCHValue         OCTET STRING
                                }

```

pnProvTCNThreshold1dayCHPasolIndex OBJECT-TYPE

```

SYNTAX      IpAddress
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "Pasolink IP Address Index"
::= { pnProvTCNThreshold1dayCHEntry 1 }

```

pnProvTCNThreshold1dayCHIndex OBJECT-TYPE

```

SYNTAX      INTEGER{
                                ch-A(1),
                                ch-B(2),
                                ch-C(3),
                                ch-D(4)
                                }

ACCESS      read-only
STATUS      mandatory
DESCRIPTION "TCN 1day Current CH Index
                                1:CH-A,
                                2:CH-B,
                                3:CH-C,
                                4:CH-D"
::= { pnProvTCNThreshold1dayCHEntry 2 }

```

pnProvTCNThreshold1dayCHORIndex OBJECT-TYPE

```

SYNTAX      INTEGER{
                                occur(1),
                                recover(2)
                                }

ACCESS      read-only
STATUS      mandatory
DESCRIPTION "TCN Threshold 1day CH Occur/Recover Index
                                1:Occur,
                                2:Recover"
::= { pnProvTCNThreshold1dayCHEntry 3 }

```

pnProvTCNThreshold1dayCHValue OBJECT-TYPE

```

SYNTAX      OCTET STRING (SIZE (24))
ACCESS      read-only
STATUS      mandatory
DESCRIPTION "This item is not used.
                                TCN THRESHOLD 1day CH
                                This value is used by only PDH.

                                [Description]
                                (Byte 0 - Byte 3) = (Fixed to 0)

```

900) (Byte 4 - Byte 7) = UAS TCN THRESHOLD CH-1day (0 -
 900) (Byte 8 - Byte 11) = ES TCN THRESHOLD CH-1day (0 -
 900) (Byte 12 - Byte 15) = SES TCN THRESHOLD CH-1day (0 -
 402300) (Byte 16 - Byte 19) = BBE TCN THRESHOLD CH-1day (0 -
 900) (Byte 20 - Byte 23) = SEP TCN THRESHOLD CH-1day (0 -

TRAP=eventTrapPnSTDTCNTreshold1dayCH"
 ::= { pnProvTCNThreshold1dayCHEntry 4 }

pnProvMDUCondSetTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvMDUCondSetEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "PROV MDU Cond Set Table"
 ::= { pnProvisioningGroup 12 }

pnProvMDUCondSetEntry OBJECT-TYPE

SYNTAX PnProvMDUCondSetEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnProvMDUCondSetPasoIndex
 }
 ::= { pnProvMDUCondSetTable 1 }

PnProvMDUCondSetEntry ::= SEQUENCE {

pnProvMDUCondSetPasoIndex IpAddress,
 pnFadingDepthThreshold OCTET STRING,
 pnXpicCondLOSignalFail INTEGER,
 pnEowIFType INTEGER,
 pnAlarmCorrelationCapability OffOnValue
 }

pnProvMDUCondSetPasoIndex OBJECT-TYPE

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

pnFadingDepthThreshold OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (2))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 FADING STATUS THRESHOLD

[Description]

Byte 0 = FADING DEPTH THRESHOLD(No.1/DIR-A)

Byte 1 = FADING DEPTH THRESHOLD(No.2/DIR-B)

(0:Invalid, 1:5[dB], 2:10[dB], 3:15[dB],
 4:20[dB], 5:25[dB], 6:30[dB])

Byte 2 is fixed to 0, when Redundancy is 1+0 TERM.
 TRAP=eventTrapPnSTDFadingDepthThreshold"

::= { pnProvMDUCondSetEntry 2 }

pnXpicCondLOSignalFail OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "XPIC CONDITION-LOCAL FAIL

0:Invalid,

1:From RF to Self LO Signal,

2:Mute

TRAP=eventTrapPnSTDXpicCondLOSignalFail"

::= { pnProvMDUCondSetEntry 3 }

pnEowIFType OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "EOW2 EXTERNAL SETTING

0:Invalid,

1:Normal,

2:Invert

TRAP=eventTrapPnSTDEOWIntfcType"

::= { pnProvMDUCondSetEntry 4 }

pnAlarmCorrelationCapability OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "ALARM CORRELATION CAPABILITY

0:OFF,

1:ON

TRAP=eventTrapPnSTDAAlarmCorrelation"

::= { pnProvMDUCondSetEntry 5 }

pnProvPMONSelectTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvPMONSelectEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "PROV PMON Select Table"

::= { pnProvisioningGroup 13 }

pnProvPMONSelectEntry OBJECT-TYPE

SYNTAX PnProvPMONSelectEntry

ACCESS not-accessible

STATUS mandatory

INDEX

{

pnProvPMONSelectPasolIndex

}

::= { pnProvPMONSelectTable 1 }

PnProvPMONSelectEntry ::= SEQUENCE {

pnProvPMONSelectPasolIndex IpAddress,

pnProvPMONSelect OCTET STRING

}

pnProvPMONSelectPasolIndex OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION "Pasolink IP Address Index"

::= { pnProvPMONSelectEntry 1 }

pnProvPMONSelect OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (10))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "PMON SELECT

[Description]

Byte 0 = SES COUNT ACTIVATION(DIR-A) (1:30[%],

2:15[%])

Byte 1 = SES COUNT ACTIVATION(DIR-B) (1:30[%],

2:15[%])

Byte 2 = PMON E1-A SELECT (0:Not Select, x: CHx(x:01-48))

Byte 3 = PMON E1-B SELECT (0:Not Select, x: CHx(x:01-48))

Byte 4 = PMON E1-C SELECT (0:Not Select, x:

CHx(x:01-48))

Byte 5 = PMON E1-D SELECT (0:Not Select, x:

CHx(x:01-48))

Byte 6 = RX LEVEL TCN THRESHOLD(No.1/DIR-A) integral

number

(signed char: -99 to -7)

Byte 7 = RX LEVEL TCN THRESHOLD(No.1/DIR-A)a place

of decimal

(0-9)

Byte 8 = RX LEVEL TCN THRESHOLD(No.2/DIR-B) integral

number

(signed char: -99 to -7)

Byte 9 = RX LEVEL TCN THRESHOLD(No.2/DIR-B)a place

of decimal

(0-9)

*) The values of No.2/DIR-B side are fixed to 0 when
 Redundancy is 1+0 TERM.

TRAP=eventTrapPnSTDPmonSelect"

::= { pnProvPMONSelectEntry 2 }

pnProvVLANPortSetTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvVLANPortSetEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Prov VLAN Port Set Table"

::= { pnProvisioningGroup 14 }

pnProvVLANPortSetEntry OBJECT-TYPE

SYNTAX PnProvVLANPortSetEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {

pnProvVLANPortSetPasolIndex

}

::= { pnProvVLANPortSetTable 1 }

PnProvVLANPortSetEntry ::= SEQUENCE {

pnProvVLANPortSetPasolIndex IpAddress,

pnProvVLANPortSet OCTET STRING,

pnProvVLANPort4Set OCTET STRING

}

pnProvVLANPortSetPasolIndex OBJECT-TYPE

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

pnProvVLANPortSet OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (33))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "VLAN PORT SETTING

[Description]

Byte 0 = SWITCHING FUNCTION -- Not used
 (0:INVALID, 1:DISABLED(No Report),

2:ENABLED(Report))

Byte 1 = MAC ADDRESS LEARNING
 (0:INVALID, 1:OFF, 2:ON)

Byte 2 = 2M FRAMING

Byte 3 = 2M FRAMING --Not Used

(0:INVALID, 1:UNFRAMED, 2:PCM31C(FAS+CRC),

3:PCM31(FAS),

4:PCM30C(MFAS+CRC), 5:PCM30(MFAS))

Byte 4 = MAIN LAN LINK DOWN CONTROL

(0:INVALID,

1:DISABLED,

2:RADIO ONLY,

3:RADIO+LLF(ANY PORT),

4:RADIO+LLF(ALL PORT),

5-9:reserved,

10:GbE RADIO ONLY,

11:GbE RADIO+LLF(ANY PORT),

12:GbE RADIO+LLF(ALL PORT),

13-19:reserved,

20:DIR-A RADIO ONLY, -- Not used

21:DIR-B RADIO ONLY, -- Not used

22:DIR-A/DIR-B RADIO ONLY, -- Not used

23:DIR-A RADIO+LLF(ANY PORT), -- Not used

24:DIR-B RADIO+LLF(ANY PORT), -- Not used

25:DIR-A RADIO+LLF(ALL PORT), -- Not used

26:DIR-B RADIO+LLF(ALL PORT), -- Not used

27:DIR-A/DIR-B RADIO+LLF(ALL PORT)) -- Not used

Byte 6 Not Used

Byte 7 Not Used

Byte 8 = LAN PORT1 USAGE

0:INVALID

1:NOT USED

2:USED

Byte 9 = SPEED & DUPLEX PORT1

(0:INVALID,2:AUTONEG(AUTO 1000M FULL

DUPLEX),

3:AUTONEG(AUTO-MDI/MDIX),

6:100M-FULL(MDI),7:100M-FULL(MDIX),

8:100M-HALF(MDI),9:100M-HALF(MDIX),

10:10M-FULL(MDI),11:10M-FULL(MDIX),

12:10M-HALF(MDI),13:10M-HALF(MDIX))

Byte 10 = LINK LOSS FORWARDING PORT1

(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 11 = COLLISION REPORT PORT1

(0:INVALID, 1:NOT REPORT, 2:REPORT)

Byte 12 = FLOW CONTROL PORT1
(0:INVALID, 1:OFF, 2:ON)

Byte 16 = LAN PORT2 USAGE
0:INVALID
1:NOT USED
2:USED

Byte 17 = SPEED & DUPLEX PORT2
(0:INVALID,3:AUTONEG(AUTO-MDI/MDIX),
6:100M-FULL(MDI),7:100M-FULL(MDIX),
8:100M-HALF(MDI),9:100M-HALF(MDIX),
10:10M-FULL(MDI),11:10M-FULL(MDIX),
12:10M-HALF(MDI),13:10M-HALF(MDIX))

Byte 18 = LINK LOSS FORWARDING PORT2
(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 19 = COLLISION REPORT PORT2
(0:INVALID, 1:NOT REPORT, 2:REPORT)

Byte 20 = FLOW CONTROL PORT2
(0:INVALID, 1:OFF, 2:ON)

Byte 24 = LAN PORT3 USAGE
0:INVALID
1:NOT USED
2:USED

Byte 25 = SPEED & DUPLEX PORT3
(0:INVALID,3:AUTONEG(AUTO-MDI/MDIX),
6:100M-FULL(MDI),7:100M-FULL(MDIX),
8:100M-HALF(MDI),9:100M-HALF(MDIX),
10:10M-FULL(MDI),11:10M-FULL(MDIX),
12:10M-HALF(MDI),13:10M-HALF(MDIX))

Byte 26 = LINK LOSS FORWARDING PORT3
(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 27 = COLLISION REPORT PORT3
(0:INVALID, 1:NOT REPORT, 2:REPORT)

Byte 28 = FLOW CONTROL PORT3
(0:INVALID, 1:OFF, 2:ON)

Byte 32 = GbE MEDIA TYPE
(0:INVALID, 1:SFP, 2:RJ-45)

TRAP=eventTrapPnSTDVlanPortSetting"

::= { pnProvVLANPortSetEntry 2 }

pnProvVLANPort4Set OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (8))

ACCESS read-only

STATUS mandatory

DESCRIPTION "VLAN PORT4 SETTING

[Description]

Byte 0 = LAN PORT4 USAGE

0:INVALID
1:NOT USED
2:USED

Byte 1 = SPEED & DUPLEX PORT4
(0:INVALID,3:AUTONEG(AUTO-MDI/MDIX),
6:100M-FULL(MDI),7:100M-FULL(MDIX),
8:100M-HALF(MDI),9:100M-HALF(MDIX),
10:10M-FULL(MDI),11:10M-FULL(MDIX),
12:10M-HALF(MDI),13:10M-HALF(MDIX))

Byte 2 = LINK LOSS FORWARDING PORT4 -- Not used
(0:INVALID, 1:DISABLED, 2:ENABLED)

Byte 3 = COLLISION REPORT PORT4
 (0:INVALID, 1:NOT REPORT, 2:REPORT)
 Byte 4 = FLOW CONTROL PORT4
 (0:INVALID, 1:OFF, 2:ON)
 TRAP=eventTrapPnSTDVlanPort4Setting"

::= { pnProvVLANPortSetEntry 3 }

pnProvVLANSettingTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvVLANSettingEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Prov VLAN Setting Table"
 ::= { pnProvisioningGroup 15 }

pnProvVLANSettingEntry OBJECT-TYPE

SYNTAX PnProvVLANSettingEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnProvVLANSettingPasolIndex
 }
 ::= { pnProvVLANSettingTable 1 }

PnProvVLANSettingEntry ::= SEQUENCE {

pnProvVLANSettingPasolIndex IpAddress,
 pnProvVLANSetOCTET STRING,
 pnProvQoSSet OCTET STRING
 }

pnProvVLANSettingPasolIndex OBJECT-TYPE

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

pnProvVLANSet OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (352))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "VLAN SETTING
 [Description]
 Byte 0 = VLAN MODE

 Byte 8 = PORT VLAN GROUP1
 Byte 9 = PORT VLAN GROUP2
 ...
 Byte 14 = PORT VLAN GROUP7
 Byte 15 = PORT VLAN GROUP8

 Byte 24-27 = TAG VLAN GROUP1
 Byte 28-31 = TAG VLAN GROUP2
 ...
 Byte 272-275 = TAG VLAN GROUP63
 Byte 276-279 = TAG VLAN GROUP64

 Byte 284-287 = DEFAULT TAG PORT1
 Byte 288-291 = DEFAULT TAG PORT2
 Byte 292-295 = DEFAULT TAG PORT3
 Byte 296-299 = DEFAULT TAG PORT4

Byte 300 = INVALID VID FRAME HANDLING -- Not used
 Byte 301 = NON TAG FRAME HANDLING
 TRAP=eventTrapPnSTDVlanSetting"

::= { pnProvVLANSettingEntry 2 }

pnProvQoSSet OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (128))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "QoS SETTING
 [Description]
 Byte 0 = QoS MODE
 Byte 1 = QUEUE CONTROL MODE
 Byte 2 = WRR WEIGHT

 Byte 3 = 802.1Q USER PRIORITY 000
 :
 Byte 10 = 802.1Q USER PRIORITY 111

 Byte 11 = DSCP PRIORITY 000000
 :
 Byte 74 = DSCP PRIORITY 111111

 Byte 75 = ToS PRIORITY 000
 :
 Byte 82 = ToS PRIORITY 111
 TRAP=eventTrapPnSTDQosSetting"

::= { pnProvVLANSettingEntry 3 }

pnProvMainLANModeSettingTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnProvMainLANModeSettingEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Prov Main LAN Mode Setting Table"
 ::= { pnProvisioningGroup 16 }

pnProvMainLANModeSettingEntry OBJECT-TYPE

SYNTAX PnProvMainLANModeSettingEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnProvMainLANModeSettingPasoIndex
 }
 ::= { pnProvMainLANModeSettingTable 1 }

PnProvMainLANModeSettingEntry ::= SEQUENCE {

pnProvMainLANModeSettingPasoIndex IpAddress,
 pnProvMainLANModeSetting INTEGER
 }

pnProvMainLANModeSettingPasoIndex OBJECT-TYPE

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

pnProvMainLANModeSetting OBJECT-TYPE

SYNTAX INTEGER

```

ACCESS      read-only
STATUS      mandatory
DESCRIPTION "MAIN LAN MODE SETTING
            0:Invalid,
            1:ENH NODAL Mode,
            2:STD Mode
            TRAP=eventTrapPnSTDMainLanModeSetting"
::= { pnProvMainLANModeSettingEntry 2 }

```

```

-----
-- pnMaintenanceGroup Group Definitions
-----

```

```

pnMaintCommonTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnMaintCommonEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "MAINT Common Table"
    ::= { pnMaintenanceGroup 1 }

pnMaintCommonEntry OBJECT-TYPE
    SYNTAX      PnMaintCommonEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX       {
                                pnMaintCommonPasoIndex
                            }
    ::= { pnMaintCommonTable 1 }

PnMaintCommonEntry ::= SEQUENCE {
    pnMaintCommonPasoIndex      IpAddress,
    pnMaintMode      OffOnValue,
    pnMaintTxSWControl      INTEGER,
    pnMaintRxSWControl      INTEGER,
    pnMaintAPSSWControl      INTEGER,
    pnMaintLoopback1CH      OCTET STRING,
    pnMaintLoopback2CH      OCTET STRING,
    pnMaintLoopback1Work      OffOnValue,
    pnMaintLoopback2      OffOnValue,
    pnMaintDADEAdjust      INTEGER,
    pnMaintDADEAdjustEnable      INTEGER,
    pnMaintLANDeviceReset      INTEGER,
    pnMaintAlsRestart      INTEGER,
    pnMaintAlsManualRestart      INTEGER,
    pnMaintLoopback1Prot      OffOnValue,
    pnMaintTxSWMode      INTEGER,
    pnMaintRxSWMode      INTEGER,
    pnMaintAPSSWMode      INTEGER,
    pnMaintLoopback3CH      OCTET STRING
}

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

```

pnMaintMode OBJECT-TYPE

SYNTAX OffOnValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MAINTENANCE
 0:Invalid,
 1:Off,
 2:On
 TRAP=eventTrapPnSTDMaintMode"
 ::= { pnMaintCommonEntry 2 }

pnMaintTxSWControl OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 TX SW MANUAL CONTROL
 0:Invalid,
 1:Auto,
 2:No.1,
 3:No.2
 TRAP=eventTrapPnSTDMaintTxSWControl"
 ::= { pnMaintCommonEntry 3 }

pnMaintRxSWControl OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 RX SW MANUAL CONTROL
 0:Invalid,
 1:Auto,
 2:No.1,
 3:No.2
 TRAP=eventTrapPnSTDMaintRxSWControl"
 ::= { pnMaintCommonEntry 4 }

pnMaintAPSSWControl OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 APS MANUAL CONTROL
 0:Invalid,
 1:Auto,
 2:Working,
 3:Protection
 TRAP=eventTrapPnSTDMaintAPSSWControl"
 ::= { pnMaintCommonEntry 5 }

pnMaintLoopback1CH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "MAIN CH LOOPBACK-1(CHxx)
 (xx:01-48)
 0:Off,
 1:On
 [Description]

Bit 0 = MAIN CH LOOPBACK-1(CH01) (0:Off, 1:On)

Bit 1 = MAIN CH LOOPBACK-1(CH02)

...

Bit 46 = MAIN CH LOOPBACK-1(CH47) for E1 interface

MAIN CH LOOPBACK-1(E3 CH1) for E3 interface

Bit 47 = MAIN CH LOOPBACK-1(CH48) for E1 interface

MAIN CH LOOPBACK-1(E3 CH2) for E3

interface

*) The value of CHxx is fixed to 0, when CHxx Usage is not

used. (xx: 01 - 48)

TRAP=eventTrapPnSTDMaintLoopback1CH"

::= { pnMaintCommonEntry 6 }

pnMaintLoopback2CH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))

ACCESS read-only

STATUS mandatory

DESCRIPTION "

MAIN CH LOOPBACK-2(DIR-A)(CHxx)

(xx:01-48)

0:Off,

1:On

[Description]

Bit 0 = MAIN CH LOOPBACK-2(DIR-A)(CH01) (0:Off, 1:On)

Bit 1 = MAIN CH LOOPBACK-2(DIR-A)(CH02)

...

Bit 46 = MAIN CH LOOPBACK-2(DIR-A)(CH47) for E1

interface

MAIN CH LOOPBACK-2(E3 CH1) for E3 interface

Bit 47 = MAIN CH LOOPBACK-2(DIR-A)(CH48) for E1

interface

MAIN CH LOOPBACK-2(E3 CH2) for E3

interface

*) The value of CHxx is fixed to 0, when CHxx Usage is not

used. (xx: 01 - 48)

*) (DIR-A) is available when Redundancy is 2-WAY.

TRAP=eventTrapPnSTDMaintLoopback2CH"

::= { pnMaintCommonEntry 7 }

pnMaintLoopback1Work OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "MAIN LOOPBACK-1 INTFC(1)

0:OFF,

1:ON

TRAP=eventTrapPnSTDMaintLoopback1Work"

::= { pnMaintCommonEntry 8 }

pnMaintLoopback2 OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "MAIN LOOPBACK-2

0:OFF,

1:ON

TRAP=eventTrapPnSTDMaintLoopback2"

::= { pnMaintCommonEntry 9 }

pnMaintDADEAdjust OBJECT-TYPE

SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 DADE ADJUST
 0:Invalid,
 1:DADE,
 2:Off Set DADE,
 3:DADE OFF
 TRAP=eventTrapPnSTDMaintDADEAdjust"

::= { pnMaintCommonEntry 10 }

pnMaintDADEAdjustEnable OBJECT-TYPE

SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 DADE ADJUST ENABLE
 0:Invalid,
 1:Off,
 2:ON Executing
 TRAP=eventTrapPnSTDMaintDADEAdjustEn"

::= { pnMaintCommonEntry 11 }

pnMaintLANDeviceReset OBJECT-TYPE

SYNTAX INTEGER (0..8)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 LAN DEVICE RESET
 0:Invalid,
 1:Not Selected,
 2:INTFC(1)-PORT1,
 3:INTFC(1)-PORT2,
 4:INTFC(1)-PORT3,
 5:INTFC(1)-PORT4,
 6:INTFC(2)-PORT1,
 7:INTFC(2)-PORT2,
 8:INTFC(1)-ALL PORT
 TRAP=eventTrapPnSTDMaintLanDeviceReset"

::= { pnMaintCommonEntry 12 }

pnMaintAlsRestart OBJECT-TYPE

SYNTAX INTEGER (0..5)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 ALS RESTART
 0:Invalid,
 1:Not Selected,
 2:2sec(INTFC1),
 3:90sec(INTFC1),
 4:2sec(INTFC2),
 5:90sec(INTFC2)
 TRAP=eventTrapPnSTDMaintAlsRestart"

::= { pnMaintCommonEntry 13 }

pnMaintAlsManualRestart OBJECT-TYPE
 SYNTAX INTEGER (0..3)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 MANUAL RESTART
 0:Invalid,
 1:Off,
 2:ON(INTFC1),
 3:ON(INTFC2)
 TRAP=eventTrapPnSTDMaintAlsManualRestart"
 ::= { pnMaintCommonEntry 14 }

pnMaintLoopback1Prot OBJECT-TYPE
 SYNTAX OffOnValue
 ACCESS read-write
 STATUS mandatory
 DESCRIPTION "MAIN LOOPBACK-1 INTFC(2)
 0:OFF,
 1:ON
 TRAP=eventTrapPnSTDMaintLoopback1Prot"
 ::= { pnMaintCommonEntry 15 }

pnMaintTxSWMode OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "TX SW MODE
 0:Invalid,
 1:Auto(No.1),
 2:Auto(No.2),
 3:Manual(No.1),
 4:Manual(No.2)
 TRAP=eventTrapPnSTDMaintTxSWMode"
 ::= { pnMaintCommonEntry 16 }

pnMaintRxSWMode OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "RX SW MODE
 0:Invalid,
 1:Auto(No.1),
 2:Auto(No.2),
 3:Manual(No.1),
 4:Manual(No.2)
 TRAP=eventTrapPnSTDMaintRxSWMode"
 ::= { pnMaintCommonEntry 17 }

pnMaintAPSSWMode OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "APS SW MODE
 0:Invalid,
 1:Auto(Working),
 2:Auto(Protection),
 3:Manual(Working),
 4:Manual(Protection)
 TRAP=eventTrapPnSTDMaintAPSSWMode"

::= { pnMaintCommonEntry 18 }

pnMaintLoopback3CH OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (6))
 ACCESS read-write
 STATUS mandatory
 DESCRIPTION "Main CH Loopback-2(DIR-B)(CHxx)
 (xx:01-48)

BIT0=CH01

BIT1=CH02

.....

BIT46=CH47

BIT47=CH48

0:OFF,

1:ON

The value of CHxx is fixed to 0, when CHxx Usage is not used.

(xx: 01 - 48)

This item is available when Redundancy is 2-WAY.
 TRAP=eventTrapPnSTDMaintLoopback3CH"

::= { pnMaintCommonEntry 19 }

pnMaintSysTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnMaintSysEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "MAINT SYS Table"
 ::= { pnMaintenanceGroup 2 }

pnMaintSysEntry OBJECT-TYPE

SYNTAX PnMaintSysEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnMaintSysPasoIndex,
 pnMaintSysIndex
 }

::= { pnMaintSysTable 1 }

PnMaintSysEntry ::= SEQUENCE {

pnMaintSysPasoIndex IpAddress,
 pnMaintSysIndex INTEGER,
 pnMaintSysATPCManualControl OffOnValue,
 pnMaintSysATPCManualContPower INTEGER,
 pnMaintSysTxMuteControl OffOnValue,
 pnMaintSysTxMuteContReleaseTime INTEGER,
 pnMaintSysCW OffOnValue,
 pnMaintSysIFLoopback OffOnValue,
 pnMaintSysForcedXPICCont INTEGER,
 pnMaintSysForcedLinearizerCont INTEGER,
 pnMaintSysRFShiftFreqSet DisplayString,
 pnMaintSysAntennaAlignMode OffOnValue

}

pnMaintSysPasoIndex OBJECT-TYPE

SYNTAX IpAddress
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Pasolink IP Address Index"

::= { pnMaintSysEntry 1 }

pnMaintSysIndex OBJECT-TYPE

SYNTAX INTEGER{
no1-dirA(1),
no2-dirB(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION "Maint Sys Index
1:No. 1/DIR-A
2:No. 2/DIR-B

*)No.2 is available for 1+1 system.

*)DIR-A/DIR-B is available for 2-WAY system."

::= { pnMaintSysEntry 2 }

pnMaintSysATPCManualControl OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "ATPC MANUAL CONTROL
TRAP=eventTrapPnSTDMaintATPCManualControl"

::= { pnMaintSysEntry 3 }

pnMaintSysATPCManualContPower OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION "ATPC Manual Control Power
TRAP=eventTrapPnSTDMaintATPCManualContPower"

::= { pnMaintSysEntry 4 }

pnMaintSysTxMuteControl OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX MUTE CONTROL
TRAP=eventTrapPnSTDMaintTxMuteControl"

::= { pnMaintSysEntry 5 }

pnMaintSysTxMuteContReleaseTime OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX Mute Off Control Time
TRAP=eventTrapPnSTDMaintTxMuteContReleaseTime"

::= { pnMaintSysEntry 6 }

pnMaintSysCW OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory

DESCRIPTION "CW CONTROL
TRAP=eventTrapPnSTDMaintCW"

::= { pnMaintSysEntry 7 }

pnMaintSysIFLoopback OBJECT-TYPE

SYNTAX OffOnValue

ACCESS read-only

STATUS mandatory
 DESCRIPTION "IF LOOPBACK
 TRAP=eventTrapPnSTDMaintIfLoopback"
 ::= { pnMaintSysEntry 8 }

pnMaintSysForcedXPICCont OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "XPIC CONTROL
 0:Invalid,
 1:Auto,
 2:Force Reset
 TRAP=eventTrapPnSTDMaintForcedXPICCont"
 ::= { pnMaintSysEntry 9 }

pnMaintSysForcedLinearizerCont OBJECT-TYPE
 SYNTAX INTEGER (0..2)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "LINEARIZER CONTROL
 0:Invalid,
 1:Auto,
 2:Force Reset
 TRAP=eventTrapPnSTDMaintForcedLinearizerCont"
 ::= { pnMaintSysEntry 10 }

pnMaintSysRFShiftFreqSet OBJECT-TYPE
 SYNTAX DisplayString (SIZE (0..4))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 RF SHIFT FREQUENCY[MHz]
 This value is only 1008 or 1010
 TRAP=eventTrapPnSTDMaintRFShiftFreqSet"
 ::= { pnMaintSysEntry 12 }

pnMaintSysAntennaAlignMode OBJECT-TYPE
 SYNTAX OffOnValue
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "ANTENNA ALIGNMENT MODE
 TRAP=eventTrapPnSTDMaintAntennaAlignMode"
 ::= { pnMaintSysEntry 13 }

 -- pnInvEntryGroup Group Definitions

pnInvModuleInfoMDUTable OBJECT-TYPE
 SYNTAX SEQUENCE OF PnInvModuleInfoMDUEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Module Info MDU Table"
 ::= { pnInvEntryGroup 1 }

pnInvModuleInfoMDUEntry OBJECT-TYPE
 SYNTAX PnInvModuleInfoMDUEntry
 ACCESS not-accessible

```

STATUS      mandatory
INDEX      {
                                pnInvModuleInfoMDUPasoIndex,
                                pnInvModuleInfoMDUIndex
                                }
::= { pnInvModuleInfoMDUTable 1 }

```

```

PnInvModuleInfoMDUEntry ::= SEQUENCE {
                                pnInvModuleInfoMDUPasoIndex  IpAddress,
                                pnInvModuleInfoMDUIndex      INTEGER,
                                pnInvModuleInfoMDUData        OCTET STRING
                                }

```

```

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

```

```

pnInvModuleInfoMDUIndex OBJECT-TYPE
    SYNTAX      INTEGER{
                                modem-no1(1),
                                modem-no2(2),
                                ctrl(3),
                                main-work(4),
                                sub-prot(5)
                                }
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Module Info MDU Index
                                1:Modem(No.1)/(DIR-A),
                                2:Modem(No.2)/(DIR-B),
                                3:CTRL,
                                4:MAIN(WORK),
                                5:SUB(PROT)

```

*)MODEM(No.2) is available for 1+1 system.

*)DIR-A/B is available for 2-WAY system.

*)SUB(PROT) is available only when System Architecture is

SDH."

```

::= { pnInvModuleInfoMDUEntry 2 }

```

```

pnInvModuleInfoMDUData OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (56))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION  "Module Info MDU Data
                                [Description]
                                (Byte 0 - Byte 15) = CODE No. (VALUE(ASC(16))
                                (Byte 16 - Byte 31) = PACKAGE NAME (VALUE(ASC(16))
                                (Byte 32 - Byte 39) = SERIAL No. (VALUE(ASC(8))
                                (Byte 40 - Byte 47) = DATE OF MANUFACTURE
                                (Byte 48 - Byte 55) = H/W VERSION (VALUE(ASC(8)))"
    ::= { pnInvModuleInfoMDUEntry 3 }

```

(VALUE(ASC(8))

```

pnInvModuleInfoTRUTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnInvModuleInfoTRUEntry
    ACCESS      not-accessible

```

STATUS mandatory
 DESCRIPTION "Module Info ODU Table"
 ::= { pnInvEntryGroup 2 }

pnInvModuleInfoTRUEEntry OBJECT-TYPE

SYNTAX PnInvModuleInfoTRUEEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {

pnInvModuleInfoTRUPasoIndex,
 pnInvModuleInfoTRUSysIndex

}

::= { pnInvModuleInfoTRUTable 1 }

PnInvModuleInfoTRUEEntry ::= SEQUENCE {

pnInvModuleInfoTRUPasoIndex IpAddress,
 pnInvModuleInfoTRUSysIndex INTEGER,
 pnInvModuleInfoTRUData OCTET STRING
 }

pnInvModuleInfoTRUPasoIndex OBJECT-TYPE

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

pnInvModuleInfoTRUSysIndex OBJECT-TYPE

SYNTAX INTEGER{
 no1-dirA(1),
 no2-dirB(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Module Info ODU Sys Index
 1:No. 1/DIR-A
 2:No. 2/DIR-B

*)No.2 is available for 1+1 system.

*)DIR-A/B is available for 2-WAY system."

::= { pnInvModuleInfoTRUEEntry 2 }

pnInvModuleInfoTRUData OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (60))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Module Info ODU Data

[Description]

(Byte 0 - Byte 15) = CODE No. (VALUE(ASC(16))

(Byte 16 - Byte 31) = PACKAGE NAME (VALUE(ASC(16))

(Byte 32 - Byte 39) = SERIAL No. (VALUE(ASC(8))

(Byte 40 - Byte 47) = DATE OF MANUFACTURE

(VALUE(ASC(8))

(Byte 48 - Byte 55) = H/W VERSION (VALUE(ASC(8))

(Byte 56 - Byte 59) = F/W VERSION (VALUE(ASC(4))"

::= { pnInvModuleInfoTRUEEntry 3 }

pnInvFPGAInfoTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnInvFPGAInfoEntry
 ACCESS not-accessible

STATUS mandatory
 DESCRIPTION "FPGA Info Table"
 ::= { pnInvEntryGroup 3 }

pnInvFPGAInfoEntry OBJECT-TYPE

SYNTAX PnInvFPGAInfoEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnInvFPGAInfoPasoIndex,
 pnInvFPGAInfoIndex
 }
 ::= { pnInvFPGAInfoTable 1 }

PnInvFPGAInfoEntry ::= SEQUENCE {

pnInvFPGAInfoPasoIndex IpAddress,
 pnInvFPGAInfoIndex INTEGER,
 pnInvFPGAInfoData OCTET STRING
 }

pnInvFPGAInfoPasoIndex OBJECT-TYPE

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

pnInvFPGAInfoIndex OBJECT-TYPE

SYNTAX INTEGER{
 modem1(1),
 modem2(2),
 ctrl(3),
 mainWork(4),
 subProt(5),
 sfpModule-mainWork(6),
 sfpModule-subProt(7),
 ctrlProgramVer(8)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "FPGA Info Index
 1:Modem No.1/DIR-A,
 2:Modem No.2/DIR-B,
 3:CTRL,
 4:Main(Work),
 5:SUB(PROT),
 6:SFP Module(Main - Work), -- Not Used
 7:SFP Module(Sub - PROT), -- Not Used
 8:CTRL PROGRAM VER

*) MODEM(No.2) is available for 1+1 system.

*) DIR-A/B is available for 2-WAY system.

*) SUB(PROT) is available only when System Architecture is

SDH."

::= { pnInvFPGAInfoEntry 2 }

pnInvFPGAInfoData OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (128))
 ACCESS read-only
 STATUS mandatory

DESCRIPTION "FPGA Info Data

[Description]

(Byte 0 - Byte 15) = FPGA1 CODE No. (VALUE(ASC(16)))

(Byte 16 - Byte 31) = FPGA1 NAME (VALUE(ASC(16)))

(Byte 32 - Byte 37) = FPGA1 VERSION (VALUE(ASC(6)))

(Byte 38 - Byte 53) = FPGA2 CODE No. (VALUE(ASC(16)))

-- Not used

(Byte 54 - Byte 69) = FPGA2 NAME (VALUE(ASC(16)))

-- Not used

(Byte 70 - Byte 75) = FPGA2 VERSION (VALUE(ASC(6)))

-- Not used

(Byte 76 - Byte 128) = (Fixed to 0)"

::= { pnInvFPGAInfoEntry 3 }

pnInvTRUProvRangeInfoTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnInvTRUProvRangeInfoEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "TRU(ODU) Prov Range Info Table"

::= { pnInvEntryGroup 4 }

pnInvTRUProvRangeInfoEntry OBJECT-TYPE

SYNTAX PnInvTRUProvRangeInfoEntry

ACCESS not-accessible

STATUS mandatory

INDEX {
pnInvTRUProvRangeInfoPasoIndex
}

::= { pnInvTRUProvRangeInfoTable 1 }

PnInvTRUProvRangeInfoEntry ::= SEQUENCE {

pnInvTRUProvRangeInfoPasoIndex IpAddress,

pnInvTRUProvRangeInfoValue OCTET STRING

}

pnInvTRUProvRangeInfoPasoIndex OBJECT-TYPE

SYNTAX IpAddress

ACCESS read-only

STATUS mandatory

DESCRIPTION "Pasolink IP Address Index"

::= { pnInvTRUProvRangeInfoEntry 1 }

pnInvTRUProvRangeInfoValue OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (32))

ACCESS read-only

STATUS mandatory

DESCRIPTION "ODU Prov Range Info Value

[Description]

(Byte 0) = ATPC(MAX) (No.1/DIR-A) (VAL(INT))

(Byte 1) = ATPC(MIN) (No.1/DIR-A) (VAL(INT))

(Byte 2) = MTPC(MAX) (No.1/DIR-A) (VAL(INT))

(Byte 3) = MTPC(MIN) (No.1/DIR-A) (VAL(INT))

(Byte 4) = RX THRESHOLD LEVEL(MAX) (No.1/DIR-A)

integral number(signed char) (VAL(INT))

(Byte 5) = RX THRESHOLD LEVEL(MAX) (No.1/DIR-A) a

place of decimal(0-9) (VAL(INT))

(Byte 6) = RX THRESHOLD LEVEL(MIN) (No.1/DIR-A)

integral number(signed char) (VAL(INT))

place of decimal(0-9) (VAL(INT))

(Byte 7) = RX THRESHOLD LEVEL(MIN) (No.1/DIR-A) a

(Byte 8) = ADDITIONAL ATT(MAX) (No.1/DIR-A) (VAL(INT))

(Byte 9) = ADDITIONAL ATT(MIN) (No.1/DIR-A) (VAL(INT))

(Byte 10) = (Don't care)

(Byte 11) = (Don't care)

(Byte 12) = (Don't care)

(Byte 13) = (Don't care)

(Byte 14) = (Don't care)

(Byte 15) = (Don't care)

(Byte 16) = ATPC(MAX) (No.2/DIR-B) (VAL(INT))

(Byte 17) = ATPC(MIN) (No.2/DIR-B) (VAL(INT))

(Byte 18) = MTPC(MAX) (No.2/DIR-B) (VAL(INT))

(Byte 19) = MTPC(MIN) (No.2/DIR-B) (VAL(INT))

(Byte 20) = RX THRESHOLD LEVEL(MAX) (No.2/DIR-B)

integral number(signed char) (VAL(INT))

(Byte 21) = RX THRESHOLD LEVEL(MAX) (No.2/DIR-B) a

place of decimal(0-9) (VAL(INT))

(Byte 22) = RX THRESHOLD LEVEL(MIN) (No.2/DIR-B)

integral number(signed char) (VAL(INT))

(Byte 23) = RX THRESHOLD LEVEL(MIN) (No.2/DIR-B) a

place of decimal(0-9) (VAL(INT))

(Byte 24) = ADDITIONAL ATT(MAX) (No.2/DIR-B) (VAL(INT))

(Byte 25) = ADDITIONAL ATT(MIN) (No.2/DIR-B) (VAL(INT))

(Byte 26) = (Don't care)

(Byte 27) = (Don't care)

(Byte 28) = (Don't care)

(Byte 29) = (Don't care)

(Byte 30) = (Don't care)

(Byte 31) = (Don't care)"

::= { pnInvTRUProvRangeInfoEntry 2 }

pnInvTRUFreqInfoTable OBJECT-TYPE

SYNTAX	SEQUENCE OF PnInvTRUFreqInfoEntry
ACCESS	not-accessible
STATUS	mandatory
DESCRIPTION	"TRU(ODU) Freq Info Table"

::= { pnInvEntryGroup 5 }

pnInvTRUFreqInfoEntry OBJECT-TYPE

SYNTAX	PnInvTRUFreqInfoEntry
ACCESS	not-accessible
STATUS	mandatory
INDEX	{
	pnInvTRUFreqInfoPasoIndex,
	pnInvTRUFreqInfoSysIndex
	}

::= { pnInvTRUFreqInfoTable 1 }

PnInvTRUFreqInfoEntry ::= SEQUENCE {

pnInvTRUFreqInfoPasoIndex	IpAddress,
pnInvTRUFreqInfoSysIndex	INTEGER,
pnInvTRUFreqInfoValue	OCTET STRING

}

pnInvTRUFreqInfoPasoIndex OBJECT-TYPE

SYNTAX	IpAddress
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Pasolink IP Address Index"

::= { pnInvTRUFreqInfoEntry 1 }

pnInvTRUFreqInfoSysIndex OBJECT-TYPE

SYNTAX INTEGER{
no1-dirA(1),
no2-dirB(2)
}

ACCESS read-only

STATUS mandatory

DESCRIPTION "TRU Freq Info Sys Index
1:No. 1/DIR-A
2:No. 2/DIR-B

*)No.2 is available for 1+1 system.

*)DIR-A/B is available for 2-WAY system."

::= { pnInvTRUFreqInfoEntry 2 }

pnInvTRUFreqInfoValue OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (58))

ACCESS read-only

STATUS mandatory

DESCRIPTION "TRU Freq Info Value

[Description]

(Byte 0 - Byte 8) = TX START FREQUENCY[MHz]

(Byte 9 - Byte 17) = TX STOP FREQUENCY[MHz]

(Byte 18 - Byte 26) = RX START FREQUENCY[MHz]

(Byte 27 - Byte 35) = RX STOP FREQUENCY[MHz]

(Byte 36 - Byte 42) = FREQUENCY STEP[MHz]

(Byte 43 - Byte 50) = SHIFT FREQUENCY[MHz]

(Byte 51) = UPPER/LOWER

(Byte 52 -Byte 54) = (Don't care)

(Byte 55) = SUB BAND

(Byte 56) = TX/RX INDEPENDENT INFO (0:

(Byte 57) = (Don't care)

"

::= { pnInvTRUFreqInfoEntry 3 }

pnInvEquipmentSupportabilityTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnInvEquipmentSupportabilityEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION "Inv Equipment Supportability Table"

::= { pnInvEntryGroup 6 }

pnInvEquipmentSupportabilityEntry OBJECT-TYPE

SYNTAX PnInvEquipmentSupportabilityEntry

ACCESS not-accessible

STATUS mandatory

INDEX {

pnInvEquipmentSupportabilityPasoIndex

```

    }
    ::= { pnInvEquipmentSupportabilityTable 1 }

PnInvEquipmentSupportabilityEntry ::= SEQUENCE {
    pnInvEquipmentSupportabilityPasoIndex IpAddress,
    pnInvEquipmentSupportabilityInfo      OCTET STRING,
    pnInvEquipmentSupportabilityInfo2     OCTET STRING
}

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

pnInvEquipmentSupportabilityInfo OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (7))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Equipment Supportability Info
        This item is used for only PNMS and PNMT.
        NEO STD MIB (Less than Ver.1.84) are OCTET STRING (SIZE (6))."
    ::= { pnInvEquipmentSupportabilityEntry 2 }

pnInvEquipmentSupportabilityInfo2 OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (16))
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION "Equipment Supportability Info2
        This item is used for only PNMS and PNMT."
    ::= { pnInvEquipmentSupportabilityEntry 3 }

pnInvUpdateInfoTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PnInvUpdateInfoEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION "TRU(ODU) Freq Info Table"
    ::= { pnInvEntryGroup 7 }

pnInvUpdateInfoEntry OBJECT-TYPE
    SYNTAX      PnInvUpdateInfoEntry
    ACCESS      not-accessible
    STATUS      mandatory
    INDEX      {
        pnInvUpdateInfoPasoIndex
    }
    ::= { pnInvUpdateInfoTable 1 }

PnInvUpdateInfoEntry ::= SEQUENCE {
    pnInvUpdateInfoPasoIndex IpAddress,
    pnInvUpdateInfoMainWorkModule INTEGER,
    pnInvUpdateInfoSubProtModule INTEGER,
    pnInvUpdateInfoSummary      OCTET STRING
}

pnInvUpdateInfoPasoIndex OBJECT-TYPE
    SYNTAX      IpAddress
    ACCESS      read-only

```

STATUS mandatory
 DESCRIPTION "Pasolink IP Address Index"
 ::= { pnInvUpdateInfoEntry 1 }

pnInvUpdateInfoMainWorkModule OBJECT-TYPE

SYNTAX INTEGER (0..255)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(1) PKG CHANGED
 0:INVALID,
 1:BLANK,
 2:16xE1 BASIC PKG,
 3:16xE1 STANDARD PKG(E/W LAN),
 4:32xE1 PKG(E/W LAN),
 5:48xE1 PKG,
 6:4PORT LAN WITH E1,
 7:STM-1(OPTICAL),
 8:STM-1(ELECTRICAL),
 9:2PORT LAN OVER STM-1,
 10:GbE OVER STM-1,
 11:E3 PKG(E/W LAN),
 12:16E1 2-WAY/XC PKG(E/W LAN),
 14:GbE(10/100/1000B) OVER STM-1,
 15:32E1 XC PKG,
 16:4PORT LAN WITH E1(VLAN),
 17:GbE OVER STM-1(VLAN)
 TRAP=eventTrapPnSTDinvUpdateMainWorkModule"
 ::= { pnInvUpdateInfoEntry 2 }

pnInvUpdateInfoSubProtModule OBJECT-TYPE

SYNTAX INTEGER (0..255)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "INTFC(2) PKG CHANGED
 0:INVALID,
 1:BLANK,
 2:STM-1(OPTICAL),
 3:WS/LAN,
 4:WS
 TRAP=eventTrapPnSTDinvUpdateSubProtModule"
 ::= { pnInvUpdateInfoEntry 3 }

pnInvUpdateInfoSummary OBJECT-TYPE

SYNTAX OCTET STRING (SIZE (2))
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "This item is not used.
 INVENTORY UPDATE INFO SUMMARY
 [Description]
 (Bit 0) = CTRL (0:Not Changed, 1:Updated)
 (Bit 1) = MODEM1
 (Bit 2) = MODEM2
 (Bit 3) = MAIN(WORK)
 (Bit 4) = SUB(PROT)
 (Bit 5) = TRU1
 (Bit 6) = TRU2
 (Bit 7) = CTRL PROGRAM VERSION
 (Bit 8) = TRU PROVISIONING INFO
 (Bit 9) = TRU FREQ INFO
 (Bit 10) = SUPPORTABILITY

(Bit 11) = (Fixed to 0)
 (Bit 12) = (Fixed to 0)
 (Bit 13) = (Fixed to 0)
 (Bit 14) = (Fixed to 0)
 (Bit 15) = (Fixed to 0)

TRAP=eventTrapPnSTDinvUpdateSummary"
 ::= { pnInvUpdateInfoEntry 4 }

 -- pnMeteringGroup Group Definitions

pnMeteringSysTable OBJECT-TYPE

SYNTAX SEQUENCE OF PnMeteringSysEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION "Metering Sys Table"
 ::= { pnMeteringGroup 1 }

pnMeteringSysEntry OBJECT-TYPE

SYNTAX PnMeteringSysEntry
 ACCESS not-accessible
 STATUS mandatory
 INDEX {
 pnMetSysPasolIndex,
 pnMetSysIndex
 }
 ::= { pnMeteringSysTable 1 }

PnMeteringSysEntry ::= SEQUENCE {

pnMetSysPasolIndex IpAddress,
 pnMetSysIndex INTEGER,
 pnMetSysTxPowerStatus INTEGER,
 pnMetSysTxPowerValue DisplayString,
 pnMetSysRxLevelStatus INTEGER,
 pnMetSysRxLevelValue DisplayString,
 pnMetSysPSVoltageStatus INTEGER,
 pnMetSysPSVoltageValue DisplayString,
 pnMetSysBitErrorRateStatus INTEGER,
 pnMetSysBitErrorRateXValue INTEGER,
 pnMetSysBitErrorRateYValue INTEGER
 }

pnMetSysPasolIndex OBJECT-TYPE

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

pnMetSysIndex OBJECT-TYPE

SYNTAX INTEGER{
 no1-dirA(1),
 no2-dirB(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION "Metering Sys Index"

1:No. 1/DIR-A

2:No. 2/DIR-B

*)No.2 is available for 1+1 system.

*)DIR-A/B is available for 2-WAY system."

::= { pnMeteringSysEntry 2 }

pnMetSysTxPowerStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX POWER Status

0:Invalid(Not obtained, Over range),

1:Invalid(Index No.2, when Redundancy is 1+0 term.),

2:Valid"

::= { pnMeteringSysEntry 3 }

pnMetSysTxPowerValue OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..5))

ACCESS read-only

STATUS mandatory

DESCRIPTION "TX POWER [dBm]

expression: +/-**.*(5bytes)

*)This value is not guaranteed when pnMetSysTxPowerStatus

is Invalid(0 and 1)."

::= { pnMeteringSysEntry 4 }

pnMetSysRxLevelStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "RX Level Status

0:Invalid(Not obtained, Over range),

1:Invalid(Index No.2, when Redundancy is 1+0 term.),

2:Valid"

::= { pnMeteringSysEntry 5 }

pnMetSysRxLevelValue OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..5))

ACCESS read-only

STATUS mandatory

DESCRIPTION "RX Level [dBm]

expression: +/-**.*(5bytes)

*)This value is not guaranteed when pnMetSysRxLevelStatus

is Invalid(0 and 1)."

::= { pnMeteringSysEntry 6 }

pnMetSysPSVoltageStatus OBJECT-TYPE

SYNTAX INTEGER (0..2)

ACCESS read-only

STATUS mandatory

DESCRIPTION "ODU PS Status

0:Invalid(Not obtained, Over range),

1:Invalid(Index No.2, when Redundancy is 1+0 term.),

2:Valid"

::= { pnMeteringSysEntry 7 }

pnMetSysPSVoltageValue OBJECT-TYPE

SYNTAX	DisplayString (SIZE (0..3))
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"ODU PS [V] expression: -(3bytes)

*) This value is not guaranteed when

pnMetSysPSVoltageStatus is Invalid(0 and 1).

"

::= { pnMeteringSysEntry 8 }

pnMetSysBitErrorRateStatus OBJECT-TYPE

SYNTAX	INTEGER (0..255)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"Bit Error Rate Status 0:Invalid, 42:Invalid(Equipment Level), 127:Calculating, 255:latest value *) Index 2 is unavailable."

::= { pnMeteringSysEntry 9 }

pnMetSysBitErrorRateXValue OBJECT-TYPE

SYNTAX	INTEGER (-1..99)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"BER (Significant Part) This Value shows significant Value for BER times 10. This status is invalid when value is -1. (Example) BER = 1.2E-6 This value is 12."

::= { pnMeteringSysEntry 10 }

pnMetSysBitErrorRateYValue OBJECT-TYPE

SYNTAX	INTEGER (-1..99)
ACCESS	read-only
STATUS	mandatory
DESCRIPTION	"BER (Exponential Part) This Value shows Exponential Part for BER. This status is invalid when value is -1. (Example) BER = 1.2E-6 This value is 6."

::= { pnMeteringSysEntry 11 }

-- Pasolink NEO GET METERING DATA Table

pnGetMeteringInfoData OBJECT IDENTIFIER

::= { pnGetMeasurementDataGroup 1 }

pnGetMeteringInfoDataTable OBJECT-TYPE

```

SYNTAX          SEQUENCE OF PnGetMeteringInfoDataEntry
ACCESS          not-accessible
STATUS          mandatory
DESCRIPTION     "Measurement Data Table"
::= { pnGetMeteringInfoData 1 }

```

```

pnGetMeteringInfoDataEntry OBJECT-TYPE
    SYNTAX          PnGetMeteringInfoDataEntry
    ACCESS          not-accessible
    STATUS          mandatory
    DESCRIPTION     "Measurement Table Entry"
    INDEX { pngmiManagerIndex }
    ::= { pnGetMeteringInfoDataTable 1 }

```

```

PnGetMeteringInfoDataEntry ::= SEQUENCE {
    pngmiManagerIndex      IpAddress,
    pngmiRequestID         INTEGER,
    pngmiTargetPasolink    IpAddress,
    pngmiDataStatus        INTEGER
}

```

```

pngmiManagerIndex OBJECT-TYPE
    SYNTAX          IpAddress
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "Upper Manager IpAddress"
    ::= { pnGetMeteringInfoDataEntry 1 }

```

```

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

```

```

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

```

```

pngmiDataStatus OBJECT-TYPE
    SYNTAX          INTEGER (0..3)
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION     "Data Status
                    invalid(0),
                    ready(1),
                    wait(2),
                    fail(3)"
    ::= { pnGetMeteringInfoDataEntry 4 }

```

```

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

```

```

END

```