

NavisXtend Provisioning Server Enterprise MIB Definitions

Ascend Communications, Inc.

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EV2 DEFINITIONS ::= BEGIN

Ascend Provisioning Server MIB phase 2.

IMPORTS

enterprises, IpAddress, Integer32,
OBJECT-TYPE, MODULE-IDENTITY
FROM SNMPv2-SMI
OBJECT-GROUP
FROM SNMPv2-CONF
DisplayString
FROM SNMPv2-TC;

cascade OBJECT IDENTIFIER ::= { enterprises 277 }
provserver OBJECT IDENTIFIER ::= { cascade 9 } -- Customer
Provisioning Server

psMibRev2 MODULE-IDENTITY
LAST-UPDATED "9708062200Z"
ORGANIZATION "Ascend Communications Inc."
CONTACT-INFO
 " Ascend Customer Support
 Tel: 1-800-DIAL-WAN "
DESCRIPTION "SMIv2 conformant provisioning server 2.0 MIB"
 ::= {provserver 1}

server OBJECT IDENTIFIER ::= { psMibRev2 1 }
network OBJECT IDENTIFIER ::= { psMibRev2 2 }
node OBJECT IDENTIFIER ::= { psMibRev2 3 }
refTimeServer OBJECT IDENTIFIER ::= { node 3 }
card OBJECT IDENTIFIER ::= { psMibRev2 4 }
pport OBJECT IDENTIFIER ::= { psMibRev2 5 }
lport OBJECT IDENTIFIER ::= { psMibRev2 6 }
lportTranslation OBJECT IDENTIFIER ::= { lport 1 }

```

lportConfiguration OBJECT IDENTIFIER ::= { lport 2 }
lportDiag           OBJECT IDENTIFIER ::= { lport 3 }
circuit             OBJECT IDENTIFIER ::= { psMibRev2 7 }
circuitConfiguration OBJECT IDENTIFIER ::= { circuit 2 }
circuitOperInfo     OBJECT IDENTIFIER ::= { circuit 3 }
circuitOamDiag      OBJECT IDENTIFIER ::= { circuit 4 }
svc                 OBJECT IDENTIFIER ::= { psMibRev2 9 }
svcaddress          OBJECT IDENTIFIER ::= { svc 1 }
svcmgt              OBJECT IDENTIFIER ::= { svc 2 }
channel             OBJECT IDENTIFIER ::= { psMibRev2 13 }
channelDiag         OBJECT IDENTIFIER ::= { channel 3 }
psConformance       OBJECT IDENTIFIER ::= { psMibRev2 18 }
psGroups            OBJECT IDENTIFIER ::= { psConformance 1 }

```

```

RowStatus ::= INTEGER {
    active(1),
    notInService(2),
    notReady(3),
    createAndGo(4),
    createAndWait(5),
    destroy(6)
}

```

```

--
-- cmdErrorTable - contains information about client request processing
-- failures.
--

```

```

cmdErrorTable OBJECT-TYPE
    SYNTAX SEQUENCE OF CmdErrorEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Table of information about client request processing
        failures. Entries are made in this table when requests
are
        returned with an error status. An entry may be timed out
        and discarded after five minutes."
    ::= { server 1 }

```

```

cmdErrorEntry OBJECT-TYPE
    SYNTAX CmdErrorEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Request processing failure information."
    INDEX { cmdErrorOrigIpAddr,
        cmdErrorRequestId,
        cmdErrorPortId

```

```

    }
    ::= { cmdErrorTable 1 }

CmdErrorEntry ::=
SEQUENCE {
    cmdErrorOrigIpAddress
        IpAddress,
    cmdErrorRequestId
        Integer32,
    cmdErrorPortId
        Integer32,
    cmdErrorErrorCode
        Integer32,
    cmdErrorErrorMsg
        DisplayString,
    cmdErrorErrorIndex
        Integer32,
    cmdErrorErrorStatus
        DisplayString,
    cmdErrorTimeStamp
        DisplayString,
    cmdErrorErrorOid
        DisplayString
}

cmdErrorOrigIpAddress OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Ip address of originating client."
    ::= { cmdErrorEntry 1 }

cmdErrorRequestId OBJECT-TYPE
    SYNTAX Integer32 (1..2147483647)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Client request ID associated with failure."
    ::= { cmdErrorEntry 2 }

cmdErrorPortId OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Port number of the client associated with processing
failure."
    ::= { cmdErrorEntry 3 }

cmdErrorErrorCode OBJECT-TYPE

```

```

SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Error code (defined in CvErrors.h)"
::= {cmdErrorEntry 4}

cmdErrorErrorMsg OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Processing failure error message."
    ::= {cmdErrorEntry 5}

cmdErrorErrorIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "SNMP error index indicating the varbind in error."
    ::= {cmdErrorEntry 6}

cmdErrorErrorStatus OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "SNMP error message string explaining the nature of error
        associated with the varbind, indicated by
cmdErrorErrorIndex."
    ::= {cmdErrorEntry 7}

cmdErrorTimeStamp OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Time at which the failure has occurred."
    ::= {cmdErrorEntry 8}

cmdErrorErrorOid OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The oid or column that has caused the failure.
        Empty if errors are not caused by a specific oid or
column "
    ::= {cmdErrorEntry 9}

--
-- The Provisioning Server Group - used to manage and monitor the
Provisioning
-- Server process itself.
--

```

```
psStats OBJECT IDENTIFIER
    ::= { server 2 }

psStatsPid OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "PS Process ID."
    ::= { psStats 1 }

psStatsSoftwareRev OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Software revision of PS."
    ::= { psStats 2 }

psStatsTransactionsProcessed OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Total transactions processed by this PS."
    ::= { psStats 3 }

psStatsReqsOutstanding OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Outstanding client requests."
    ::= { psStats 4 }

psStatsInternalLocks OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Number of current internal locks."
    ::= { psStats 5 }

psStatsExternalLocks OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Number of current external locks."
    ::= { psStats 6 }

-- The following simple objects are not-accessible and are primarily used
-- for table indexing.
```

```
networkIdIndex OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Network ID (index)."
```

```
 ::= { network 1 }
```

```
networkCUGNameIndex OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Network CUG Name(index)."
```

```
 ::= { network 5 }
```

```
networkCUGMemberRuleNameIndex OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Network CUG member rule name(index)."
```

```
 ::= { network 7 }
```

```
networkSvcSecurityScreenNameIndex OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Network Svc security screen name(index)."
```

```
 ::= { network 11 }
```

```
networkServiceNameIndex OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Network Service Name (index)."
```

```
 ::= { network 16 }
```

```
switchIdIndex OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Switch ID (index)."
```

```
 ::= { lportTranslation 1 }
```

```
slotIdIndex OBJECT-TYPE
    SYNTAX Integer32 (1..255)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Card slot ID (index)."
```

```

 ::= { lportTranslation 2}

pportIdIndex OBJECT-TYPE
    SYNTAX Integer32 (1..255)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "PPort ID (index)."
    ::= { lportTranslation 3}

lportIdIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "LportId (index)"
    ::= { lportTranslation 6}

ds1ChannelIdIndex OBJECT-TYPE
    SYNTAX Integer32 (1..24)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "DS1 Channel ID (index)."
    ::= { lportTranslation 7}

dlciIdIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Lport DLCI ID (index)"
    ::= { lportTranslation 8}

lportIfIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Interface number ID (index)"
    ::= { lportTranslation 9}

pnniNodeIndex OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "string that represents the PeerGroupLevel in decimal
        and PeerGroupID in hex, ex: 104-abcd123 , where 104 is the
        PeerGroupLevel and abcd123 is the PeerGroupID"
    ::= { node 5 }

vpiStartIndex OBJECT-TYPE

```

```

SYNTAX Integer32 (1..65535)
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "vpiStart number. It is essentially a starting VPI of a
              range of VPIs to be used for a given virtual UNI lport. For
              every virtual UNI lport that gets created on the same
pport,
              the VPI start number that should be specified has to be
              unique and non-zero."
 ::= { lportTranslation 5}

circuitConfigurationIndex OBJECT IDENTIFIER ::= {circuitConfiguration 1}

circuitIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Circuit ID (index)"
    ::= { circuitConfigurationIndex 1}

vpiIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Circuit VPI (index)"
    ::= { circuitConfigurationIndex 2}

vciIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Circuit VCI (index)"
    ::= { circuitConfigurationIndex 3}

--
-- lportVpi/lportVci Index Translation Table - used to map between
VPI/VCI lport
-- identifiers and the IfIndex value.
--

vpiVciIndexTransTable OBJECT-TYPE
    SYNTAX SEQUENCE OF VpiVciIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "A list of Atm index translation table entries."
    ::= { lportTranslation 10 }

```

```

vpiVciIndexTransEntry OBJECT-TYPE
    SYNTAX VpiVciIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes used to map ATM technology specific IDs
        to IfIndex."
    INDEX { switchIdIndex,
            slotIdIndex,
            pportIdIndex,
            vpiIndex,
            vciIndex }
    ::= { vpiVciIndexTransTable 1 }

VpiVciIndexTransEntry ::=
    SEQUENCE {
        vpiVciIndexTransIfIndex
            Integer32,
        vpiVciIndexTransRowStatus
            RowStatus,
        vpiVciIndexModifyType
            INTEGER
    }

vpiVciIndexTransIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The ifIndex value of the corresponding entry in the
        lportTable."
    ::= { vpiVciIndexTransEntry 1 }

vpiVciIndexTransRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains holes, waiting
        for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create a new row.
        destroy(6) - Delete an existing row."
    ::= { vpiVciIndexTransEntry 2}

```

```

vpiVciIndexModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { vpiVciIndexTransEntry 3 }

```

```

--
-- LportId Index Translation Table - used to map between the lportId and
-- the corresponding IfIndex value.
--

```

```

lportIdIndexTransTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportIdIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "A list of index translation table entries."
    ::= { lportTranslation 11}

```

```

lportIdIndexTransEntry OBJECT-TYPE
    SYNTAX LportIdIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes used to map LportIds to the
        corresponding IfIndex value."
    INDEX { switchIdIndex,
            slotIdIndex,
            pportIdIndex,
            lportIdIndex }
    ::= { lportIdIndexTransTable 1 }

```

```

LportIdIndexTransEntry ::=
    SEQUENCE {
        lportIdIndexTransIfIndex
            Integer32,
        lportIdIndexTransRowStatus
            RowStatus,
        lportIdIndexModifyType
            INTEGER

```

```

}

lportIdIndexTransIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The ifIndex value of the corresponding entry in the
lportTable."
    ::= { lportIdIndexTransEntry 1 }

lportIdIndexTransRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
made active by client.
        notReady(3) - Row has been created but contains holes, waiting
for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Client has requested new row, PS is in process
of building row.
        destroy(6) - Row has been destroyed by client."
    ::= { lportIdIndexTransEntry 2 }

lportIdIndexModifyType OBJECT-TYPE
    SYNTAX INTEGER{ normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
database.
        This value is re-set to normal after every transaction."
    DEFVAL { normal }
    ::= { lportIdIndexTransEntry 3 }

--
-- Channelized lportVpi/lportVci Index Translation Table - used to map
between VPI/VCI
-- lport identifiers on DS1 channels and the IfIndex value.
--

```

```

vpiVciChannelIndexTransTable OBJECT-TYPE
    SYNTAX SEQUENCE OF VpiVciChannelIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "A list of Atm index translation table entries."
    ::= { lportTranslation 12}

vpiVciChannelIndexTransEntry OBJECT-TYPE
    SYNTAX VpiVciChannelIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes used to map ATM technology specific IDs
        to IfIndex."
    INDEX { switchIdIndex,
            slotIdIndex,
            pportIdIndex,
            ds1ChannelIdIndex,
            vpiIndex,
            vciIndex }
    ::= { vpiVciChannelIndexTransTable 1 }

VpiVciChannelIndexTransEntry ::=
    SEQUENCE {
        vpiVciChannelIndexIfIndex
            Integer32,
        vpiVciChannelIndexRowStatus
            RowStatus,
        vpiVciChannelIndexModifyType
            INTEGER
    }

vpiVciChannelIndexIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The ifIndex value of the corresponding entry in the
        lportTable."
    ::= { vpiVciChannelIndexTransEntry 1}

vpiVciChannelIndexRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not

```

made active by client.
notReady(3) - Row has been created but contains ?holes?, waiting
for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Client has requested new row, PS is in process
of building row.
destroy(6) - Row has been destroyed by client."

::= { vpiVciChannelIndexTransEntry 2 }

vpiVciChannelIndexModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL { normal }
::= { vpiVciChannelIndexTransEntry 3 }

--
-- Channelized LportId Index Translation Table - used to map between the
lportId
-- for lports on DS1 channels and the corresponding IfIndex value.
--

lportIdChannelIndexTransTable OBJECT-TYPE
SYNTAX SEQUENCE OF LportIdChannelIndexTransEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "A list of index translation table entries."
::= { lportTranslation 13 }

lportIdChannelIndexTransEntry OBJECT-TYPE
SYNTAX LportIdChannelIndexTransEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A group of attributes used to map LportIds to the
corresponding IfIndex value."
INDEX { switchIdIndex,
slotIdIndex,
pportIdIndex,
ds1ChannelIdIndex,

```

        lportIdIndex }
 ::= { lportIdChannelIndexTransTable 1 }

LportIdChannelIndexTransEntry ::=
SEQUENCE {
    lportIdChannelIndexIfIndex
        Integer32,
    lportIdChannelIndexRowStatus
        RowStatus,
    lportIdChannelIndexModifyType
        INTEGER
}

lportIdChannelIndexIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The ifIndex value of the corresponding entry in the
lportTable."
    ::= { lportIdChannelIndexTransEntry 1 }

lportIdChannelIndexRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
made active by client.
        notReady(3) - Row has been created but contains holes, waiting
for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."

    ::= { lportIdChannelIndexTransEntry 2 }

lportIdChannelIndexModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
database."

```

```

        This value is re-set to normal after every transaction."
        DEFVAL {normal}
 ::= { lportIdChannelIndexTransEntry 3 }

--
-- LportDlci Index Translation Table - used to map between the lportDlci
-- and the corresponding IfIndex
-- value.
--

dlciIndexTransTable OBJECT-TYPE
    SYNTAX SEQUENCE OF DlciIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "A list of index translation table entries containing
    DLCI mappings."
    ::= { lportTranslation 14 }

dlciIndexTransEntry OBJECT-TYPE
    SYNTAX DlciIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes used to map LportDlcis to the
    corresponding IfIndex value."
    INDEX { switchIdIndex,
            slotIdIndex,
            pportIdIndex,
            dlciIdIndex }
    ::= { dlciIndexTransTable 1 }

DlciIndexTransEntry ::=
    SEQUENCE {
        dlciIndexIfIndex
            Integer32,
        dlciIndexRowStatus
            RowStatus,
        dlciIndexModifyType
            INTEGER
    }

dlciIndexIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The ifIndex value of the corresponding entry in the
    lportTable."

```

::= {dlciIndexTransEntry 1}

dlciIndexRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not made active by client.

notReady(3) - Row has been created but contains ?holes?, waiting for client to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= {dlciIndexTransEntry 2}

dlciIndexModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { dlciIndexTransEntry 3 }

--

-- LportDlci channelized Index Translation Table - used to map between the channelized lportDlci and the

-- corresponding IfIndex value.

--

dlciChannelIndexTransTable OBJECT-TYPE

SYNTAX SEQUENCE OF DlciChannelIndexTransEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION "A list of index translation table entries containing DLCI mappings."

::= { lportTranslation 15 }

dlciChannelIndexTransEntry OBJECT-TYPE

SYNTAX DlciChannelIndexTransEntry

MAX-ACCESS not-accessible

```

STATUS current
DESCRIPTION
    "A group of attributes used to map LportDlci?s to the
corresponding IfIndex value."
INDEX { switchIdIndex,
        slotIdIndex,
        pportIdIndex,
        ds1ChannelIdIndex,
        dlciIdIndex }
::= { dlciChannelIndexTransTable 1 }

DlciChannelIndexTransEntry ::=
SEQUENCE {
    dlciChannelIndexIfIndex
        Integer32,
    dlciChannelIndexRowStatus
        RowStatus,
    dlciChannelIndexModifyType
        INTEGER
}

dlciChannelIndexIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The ifIndex value of the corresponding entry in the
lportTable."
    ::= { dlciChannelIndexTransEntry 1 }

dlciChannelIndexRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
made active by client.
        notReady(3) - Row has been created but contains holes, waiting
for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { dlciChannelIndexTransEntry 2 }

dlciChannelIndexModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write

```

```

        STATUS current
        DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
database.
        This value is re-set to normal after every transaction."
        DEFVAL {normal}
        ::= { dlciChannelIndexTransEntry 3 }

--
-- lportVpiStart Index Translation Table - used to map between vpiStart
number
-- and the IfIndex value. This should be used only for the Virtual UNI
lport
-- type creation on the CBX 500 switch. The vpiStart number is essentially
-- a starting VPI of a range of VPIs to be used for that Virtual UNI
lport.
-- For every virtual UNI lport that gets created on the same pport, the
VPI
-- start number that should be specified has to be unique and non-zero
--

vpiStartIndexTransTable OBJECT-TYPE
    SYNTAX SEQUENCE OF VpiStartIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "A list of Atm index translation table entries."
    ::= { lportTranslation 16 }

vpiStartIndexTransEntry OBJECT-TYPE
    SYNTAX VpiStartIndexTransEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes used to map ATM technology specific IDs
        to IfIndex."
    INDEX { switchIdIndex,
            slotIdIndex,
            pportIdIndex,
            vpiStartIndex }
    ::= { vpiStartIndexTransTable 1 }

VpiStartIndexTransEntry ::=
    SEQUENCE {
        vpiStartIndexTransIfIndex

```

```

        Integer32,
vpiStartIndexTransRowStatus
        RowStatus,
vpiStartIndexModifyType
        INTEGER
    }

vpiStartIndexTransIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-only
    STATUS current
    DESCRIPTION
        "The ifIndex value of the corresponding entry in the
        lportTable."
    ::= { vpiStartIndexTransEntry 1}

vpiStartIndexTransRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains ?holes?, waiting
        for client to finish
        createAndGo(4) - Not supported.
        createAndWait(5) - Create a new row.
        destroy(6) - Delete an existing row."
    ::= { vpiStartIndexTransEntry 2}

vpiStartIndexModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { vpiStartIndexTransEntry 3 }

--
-- Network table - contains information associated with the managed

```

sub-network.

--

networkTable OBJECT-TYPE

SYNTAX SEQUENCE OF NetworkEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION "Table of information about the sub-network"

::= { network 2 }

networkEntry OBJECT-TYPE

SYNTAX NetworkEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION "Information about the sub-network"

INDEX { networkNetId }

::= { networkTable 1 }

NetworkEntry ::=

SEQUENCE {

networkNetId

IpAddress

}

networkNetId OBJECT-TYPE

SYNTAX IpAddress

MAX-ACCESS read-write

STATUS current

DESCRIPTION "The IP address of the network"

::= { networkEntry 1 }

--

-- Service name table - contains instances of service name-binding objects
associated with lports.

--

networkServiceNameTable OBJECT-TYPE

SYNTAX SEQUENCE OF NetworkServiceNameEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A list of serviceName entries."

::= { network 12 }

networkServiceNameEntry OBJECT-TYPE

SYNTAX NetworkServiceNameEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A group of attributes associated with serviceNames."

INDEX { networkIdIndex, networkServiceNameIndex }

::= { networkServiceNameTable 1 }

NetworkServiceNameEntry ::=

SEQUENCE {

networkServiceNameName

DisplayString,

networkServiceNameId

Integer32,

networkServiceNameActiveBinding

INTEGER,

networkServiceNamePrimaryLPort

OBJECT IDENTIFIER,

networkServiceNameBackupLPort

OBJECT IDENTIFIER,

networkServiceNameNotes

DisplayString,

networkServiceNameRowStatus

RowStatus,

networkServiceNameModifyType

INTEGER

}

networkServiceNameName OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION "Name of the servicename binding provided by the user for identification purposes"

::= { networkServiceNameEntry 1 }

networkServiceNameId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-only

STATUS current

DESCRIPTION "This is a unique identifier by which the switches identify this service name."

::= { networkServiceNameEntry 2 }

networkServiceNameActiveBinding OBJECT-TYPE

SYNTAX INTEGER {

primary (1),

backup (2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION "This attribute specifies the binding status of the servicename"

::= { networkServiceNameEntry 3}

networkServiceNamePrimaryLPort OBJECT-TYPE

SYNTAX OBJECT IDENTIFIER

MAX-ACCESS read-write

STATUS current

DESCRIPTION "ObjectId of the primaryLPort to which this servicename is bound"

::= { networkServiceNameEntry 4}

networkServiceNameBackupLPort OBJECT-TYPE

SYNTAX OBJECT IDENTIFIER

MAX-ACCESS read-write

STATUS current

DESCRIPTION "ObjectId of the LPort which backs up this service name binding"

::= { networkServiceNameEntry 5}

networkServiceNameNotes OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-write

STATUS current

DESCRIPTION ""

::= { networkServiceNameEntry 6}

networkServiceNameRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION ""

::= { networkServiceNameEntry 7}

networkServiceNameModifyType OBJECT-TYPE

SYNTAX INTEGER {

normal(1),

dbOnly(4),

dbOnlySetOutOfSync(5)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the database.

```

        This value is re-set to normal after every transaction."
        DEFVAL {normal}
 ::= { networkServiceNameEntry 8 }

--
-- VPN table - contains instances of Virtual Private Networks
-- associated with particular networks.
--

vpnTable OBJECT-TYPE
    SYNTAX SEQUENCE OF VpnEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of vpn entries."
    ::= { network 13}

vpnEntry OBJECT-TYPE
    SYNTAX VpnEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes associated with vpns."
    INDEX { networkIdIndex,
            vpnName }
    ::= { vpnTable 1 }

VpnEntry ::=
    SEQUENCE {
        vpnName
            DisplayString,
        vpnNumber
            Integer32,
        vpnComments
            DisplayString,
        vpnRowStatus
            RowStatus,
        vpnModifyType
            INTEGER
    }

vpnName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Customer assigned name of this VPN."
    ::= { vpnEntry 1}

```

```

vpnNumber OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "VPN number assigned to this VPN."
    ::= { vpnEntry 2}

vpnComments OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "User comments."
    ::= { vpnEntry 3}

vpnRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "
        Row status active(1)- Row is currently usable.
        notInService(2)- Row has been created and initialized but not
        made active by client
        notReady(3)- Row has been created but contains ?holes?, waiting
        for client to finish
        createAndGo(4)- Not supported.
        createAndWait(5)- Create new row.
        destroy(6)- Delete an existing row."
    ::= { vpnEntry 4}

vpnModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { vpnEntry 5 }

--
-- Customer table - contains instances of VPN customer information.
--

customerTable OBJECT-TYPE

```

SYNTAX SEQUENCE OF CustomerEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A list of customer entries."

::= { network 14 }

customerEntry OBJECT-TYPE

SYNTAX CustomerEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A group of attributes associated with customers."

INDEX { networkIdIndex,
customerName }

::= { customerTable 1 }

CustomerEntry ::=

SEQUENCE {

customerName

DisplayString,

customerId

Integer32,

customerContactInfo

DisplayString,

customerPhoneNumber

DisplayString,

customerComments

DisplayString,

customerVpnName

DisplayString,

customerRowStatus

RowStatus,

customerModifyType

INTEGER

}

customerName OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION "Customer assigned name of this customer."

::= { customerEntry 1 }

customerId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Customer assigned ID. The attribute cannot be modified after creation."

::= { customerEntry 2 }

customerContactInfo OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Customer contact information."

::= { customerEntry 3 }

customerPhoneNumber OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Customer phone number."

::= { customerEntry 4 }

customerComments OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Customer comments."

::= { customerEntry 5 }

customerVpnName OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Name of VPN associated with this customer."

::= { customerEntry 6 }

customerRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but

not made active by client

notReady(3 - Row has been created but contains holes, waiting

for client to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { customerEntry 7 }

customerModifyType OBJECT-TYPE

```

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "By default, writes are stored to the database and the switch.
    Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
    writes to the database and sets the Out of Sync flag in the
database.
    This value is re-set to normal after every transaction."
DEFVAL { normal }
::= { customerEntry 8 }
--
-- DS1 Channel table - contains instances of channel objects associated
with DS3 channelized pports.
--

ds1ChannelTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Ds1ChannelEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of DS1Channel entries."
    ::= { channel 1 }

ds1ChannelEntry OBJECT-TYPE
    SYNTAX Ds1ChannelEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes associated with DS1 Channels."
    INDEX { switchIdIndex,
            slotIdIndex,
            pportIdIndex,
            ds1ChannelIdIndex }
    ::= { ds1ChannelTable 1 }

Ds1ChannelEntry ::=
    SEQUENCE {
        ds1ChannelChannelType
            Integer32,
        ds1ChannelLinkFraming
            INTEGER,
        ds1ChannelZeroCoding
            INTEGER,
        ds1ChannelClockSource
            INTEGER,
        ds1ChannelExtClockBackup

```

```

        INTEGER,
ds1ChannelDs1LoopbackCodeType
        INTEGER,
ds1ChannelAdminStatus
        INTEGER,
ds1ChannelAllocatedDs0ChannelCount
        Integer32,
ds1ChannelAllocatedDs0Channels
        Integer32,
ds1ChannelDs0ChannelsInUse
        Integer32,
ds1ChannelRowStatus
        RowStatus,
ds1ChannelModifyType
        INTEGER,
ds1ChannelAlarmFailure
        Integer32,
ds1ChannelAlarmClearTime
        Integer32
}

```

```

ds1ChannelChannelType OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Channel type."
    ::= { ds1ChannelEntry 1}

```

```

ds1ChannelLinkFraming OBJECT-TYPE
    SYNTAX INTEGER {
        d4(1),
        esfCcitt(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "DS1 line type."
    ::= { ds1ChannelEntry 2}

```

```

ds1ChannelZeroCoding OBJECT-TYPE
    SYNTAX INTEGER {
        nx64(1),
        nx56(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "DS1 zero coding."
    ::= { ds1ChannelEntry 3}

```

```

ds1ChannelClockSource OBJECT-TYPE
    SYNTAX INTEGER {
        loopTimed(5),
        internal(6),
        external(7)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Clock source."
    ::= { ds1ChannelEntry 4}

ds1ChannelExtClockBackup OBJECT-TYPE
    SYNTAX INTEGER {
        loopTimed(2),
        internal(3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION ""
    ::= { ds1ChannelEntry 5}

ds1ChannelDs1LoopbackCodeType OBJECT-TYPE
    SYNTAX INTEGER {
        csu(1),
        nni(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Loop back code type."
    ::= { ds1ChannelEntry 6}

ds1ChannelAdminStatus OBJECT-TYPE
    SYNTAX INTEGER {
        up(1),
        down(2),
        testing(3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Administrative status."
    ::= { ds1ChannelEntry 7}

ds1ChannelAllocatedDs0ChannelCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Count of allocated ds1 Channels."
    ::= { ds1ChannelEntry 8}

```

```

ds1ChannelAllocatedDs0Channels OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Bitmask indicating allocated ds1 Channels."
    ::= { ds1ChannelEntry 9 }

ds1ChannelDs0ChannelsInUse OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Bitmask indicating which ds1 Channels are in use."
    ::= { ds1ChannelEntry 10 }

ds1ChannelRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Not supported.
        createAndGo(4) - Not supported.
        createAndWait(5) - Not supported..
        destroy(6) - Not supported."

    ::= { ds1ChannelEntry 12 }

ds1ChannelModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { ds1ChannelEntry 13 }

ds1ChannelAlarmFailure OBJECT-TYPE
    SYNTAX Integer32 (0..65535)
    MAX-ACCESS read-write
    STATUS current

```

DESCRIPTION

"This is the soak time for configurable alarms. An alarm of this type must persist for this period before it is declared. The time is specified in milliseconds units."

::= { ds1ChannelEntry 14 }

ds1ChannelAlarmClearTime OBJECT-TYPE

SYNTAX Integer32 (0..65535)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is the soak time for configurable alarms. An alarm of this type must remain clear for this period before it

is

declared to be cleared. The time is specified in milliseconds units."

::= { ds1ChannelEntry 15 }

-- The Channel DS1 PM Threshold Table

-- This table contains Current (15 min) and Day threshold values used

-- in performance parameter thresholding defined by ANSI T1.231

ds1ChanPmThresholdTable OBJECT-TYPE

SYNTAX SEQUENCE OF Ds1ChanPmThresholdEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The DS1 PM Threshold table."

::= { channel 2 }

ds1ChanPmThresholdEntry OBJECT-TYPE

SYNTAX Ds1ChanPmThresholdEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the DS1 PM Threshold table."

INDEX { switchIdIndex, slotIdIndex, pportIdIndex,

ds1ChannelIdIndex }

::= { ds1ChanPmThresholdTable 1 }

Ds1ChanPmThresholdEntry ::=

SEQUENCE {

ds1chanpmThreshRowStatus

RowStatus,

ds1chanpmThreshModifyType

INTEGER,

ds1chanpmThreshCrossingEnable

```

    INTEGER,
    ds1chanpmThreshESLCurrent
    Integer32,
    ds1chanpmThreshESLDay
    Integer32,
    ds1chanpmThreshCVPCurrent
    Integer32,
    ds1chanpmThreshCVPDay
    Integer32,
    ds1chanpmThreshESPCurrent
    Integer32,
    ds1chanpmThreshESPDay
    Integer32,
    ds1chanpmThreshSESPCurrent
    Integer32,
    ds1chanpmThreshSESPDay
    Integer32,
    ds1chanpmThreshSASPCurrent
    Integer32,
    ds1chanpmThreshSASPDay
    Integer32,
    ds1chanpmThreshCSSPCurrent
    Integer32,
    ds1chanpmThreshCSSPDay
    Integer32,
    ds1chanpmThreshUASPCurrent
    Integer32,
    ds1chanpmThreshUASPDay
    Integer32
}

```

ds1chanpmThreshRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not
made active by client.

notReady(3) - Not supported

createAndGo(4) - Not supported.

createAndWait(5) - Not supported.

destroy(6) - Not supported."

::= { ds1ChanPmThresholdEntry 1 }

ds1chanpmThreshModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "By default, writes are stored to the database and the switch.
    Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
    writes to the database and sets the Out of Sync flag in the
database.
    This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { ds1ChanPmThresholdEntry 2 }

ds1chanpmThreshCrossingEnable OBJECT-TYPE
SYNTAX INTEGER {
    disabled (1),
    enabled (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Enable or disabled the detection and emission of threshold
    crossing alarms."
::= { ds1ChanPmThresholdEntry 3 }

ds1chanpmThreshESLCurrent OBJECT-TYPE
SYNTAX Integer32 (1..900)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Line errored seconds 15 Minute (current) threshold."
::= { ds1ChanPmThresholdEntry 4 }

ds1chanpmThreshESLDay OBJECT-TYPE
SYNTAX Integer32 (1..65535)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Line errored seconds 24 Hour (day) threshold."
::= { ds1ChanPmThresholdEntry 5 }

ds1chanpmThreshCVPCurrent OBJECT-TYPE
SYNTAX Integer32 (1..16383)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Path code violations 15 Minute (current) threshold."
::= { ds1ChanPmThresholdEntry 6 }

```

```

ds1chanpmThreshCVPDay OBJECT-TYPE
    SYNTAX Integer32 (1..1048575)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Path code violations 24 Hour (day) threshold."
    ::= { ds1ChanPmThresholdEntry 7 }

ds1chanpmThreshESPCurrent OBJECT-TYPE
    SYNTAX Integer32 (1..900)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Path errored seconds 15 Minute (current) threshold."
    ::= { ds1ChanPmThresholdEntry 8 }

ds1chanpmThreshESPDay OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Path errored seconds 24 Hour (day) threshold."
    ::= { ds1ChanPmThresholdEntry 9 }

ds1chanpmThreshSESPCurrent OBJECT-TYPE
    SYNTAX Integer32 (1..63)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Path severely errored seconds 15 Minute (current)
threshold."
    ::= { ds1ChanPmThresholdEntry 10 }

ds1chanpmThreshSESPDay OBJECT-TYPE
    SYNTAX Integer32 (1..4095)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Path severely errored seconds 24 Hour (day) threshold."
    ::= { ds1ChanPmThresholdEntry 11 }

ds1chanpmThreshSASPCurrent OBJECT-TYPE
    SYNTAX Integer32 (1..63)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION

```

 "Path SEF/AIS seconds 15 Minute (current) threshold."
::= { ds1ChanPmThresholdEntry 12 }

ds1chanpmThreshSASPDaY OBJECT-TYPE
 SYNTAX Integer32 (1..4095)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Path SEF/AIS seconds 24 Hour (day) threshold."
::= { ds1ChanPmThresholdEntry 13 }

ds1chanpmThreshCSSPCurrent OBJECT-TYPE
 SYNTAX Integer32 (1..63)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Path controlled slip seconds 15 Minute (current)
threshold."
::= { ds1ChanPmThresholdEntry 14 }

ds1chanpmThreshCSSPDaY OBJECT-TYPE
 SYNTAX Integer32 (1..4095)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Path controlled slip seconds 24 Hour (day) threshold."
::= { ds1ChanPmThresholdEntry 15 }

ds1chanpmThreshUASPCurrent OBJECT-TYPE
 SYNTAX Integer32 (1..63)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Path unavailable seconds 15 Minute (current) threshold."
::= { ds1ChanPmThresholdEntry 16 }

ds1chanpmThreshUASPDaY OBJECT-TYPE
 SYNTAX Integer32 (1..4095)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Path unavailable seconds 24 Hour (day) threshold."
::= { ds1ChanPmThresholdEntry 17 }

--
-- LPortAdminTable - Contains instances of Lport objects which consist of
attributes common to all
-- Lport types.

--

lportAdminTable OBJECT-TYPE
SYNTAX SEQUENCE OF LportAdminEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "List of logical port common attribute entries."
::= { lportConfiguration 1 }

lportAdminEntry OBJECT-TYPE
SYNTAX LportAdminEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "Logical Port Configuration Entry"
INDEX { switchIdIndex, lportIfIndex }
::= { lportAdminTable 1 }

LportAdminEntry ::=

SEQUENCE {
 lportAdminIfIndex
 Integer32,
 lportAdminLportName
 DisplayString,
 lportAdminServiceType
 INTEGER,
 lportAdminVpnName
 DisplayString,
 lportAdminCustomerName
 DisplayString,
 lportAdminLoopBackStatus
 INTEGER,
 lportAdminCDV
 Integer32,
 lportAdminNetOverflow
 INTEGER,
 lportAdminIsTemplate
 Integer32,
 lportAdminCanBackupServiceNames
 INTEGER,
 lportAdminClosedLoop
 INTEGER,
 lportAdminMildThreshold
 Integer32,
 lportAdminCheckInterval
 Integer32,
 lportAdminClearDelay
 Integer32,

lportAdminBandwidth
Integer32,
lportAdminCongestionThreshold
Integer32,
lportAdminErrorPerMinThreshold
Integer32,
lportAdminBitStuffing
INTEGER,
lportAdminAdminStatus
INTEGER,
lportAdminCrcChecking
INTEGER,
lportAdminBilling
INTEGER,
lportAdminFractionalDs0s
Integer32,
lportAdminRowStatus
RowStatus,
lportAdminModifyType
INTEGER,
lportAdminTrafficShaperId
Integer32,
lportAdminTSPriority
Integer32,
lportAdminTSSustCellRate
Integer32,
lportAdminTSPeakCellRate
Integer32,
lportAdminTSBurstTolerance
Integer32,
lportAdminSlotId
Integer32,
lportAdminPPortId
Integer32,
lportAdminSmadsPduViolThresh
Integer32,
lportAdminSmadsPduViolTcaFlag
INTEGER,
lportAdminFrBadPvcFactor
Integer32,
lportAdminFrAmberPm
Integer32,
lportAdminFrAmberPs
Integer32,
lportAdminFrSevereThreshold
Integer32,
lportAdminFrAbsThreshold
Integer32,

```

    lportShaperType
        INTEGER,
    lportVpShapingRate
        Integer32,
    lportVpShaping
        INTEGER,
    lportAdminServiceClassSupported
        INTEGER,
    lportAdminXmitSchedMode
        INTEGER,
    lportAdminPacketSegmentation
        INTEGER,
    lportAdminAllowVfrRtNegative
        INTEGER
}

lportAdminIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The ifIndex value of the corresponding ifEntry."
    ::= { lportAdminEntry 1 }

lportAdminLportName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "LPort Name.This attribute is mandatory for lport creation
and
        cannot be modified."
    ::= { lportAdminEntry 2 }

lportAdminServiceType OBJECT-TYPE
    SYNTAX INTEGER {
        frameRelay(1),
        smds(2),
        atm(3),
        other(4) -- includes PPP and encapsulationFrad
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Logical Port Service type.This attribute is mandatory for
lport creation
        and cannot be modified."
    ::= { lportAdminEntry 3 }

lportAdminVpnName OBJECT-TYPE

```

SYNTAX DisplayString
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "VPN name. "
::= { lportAdminEntry 4 }

lportAdminCustomerName OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The Customer that owns this lport. For Virtual Private
Networking Support. "
 ::= { lportAdminEntry 5 }

lportAdminLoopBackStatus OBJECT-TYPE
 SYNTAX INTEGER {
 normal (1),
 switchLpbk (2),
 farEndLpbk (3),
 t1nods0Lpbk (4)
 }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Indicates the Loopback Status of the Lport."
 ::= { lportAdminEntry 6 }

lportAdminCDV OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The Cell Delay Variation of this port measured in
microseconds."
 ::= { lportAdminEntry 7 }

lportAdminNetOverflow OBJECT-TYPE
 SYNTAX INTEGER {
 restricted (1),
 public (2)
 }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "Indicates how circuits belonging to private lports
are handled, when the resources of the network have become
exhausted. If set to public, the resources of the

public network can be used during overflow conditions."
::= { lportAdminEntry 8 }

lportAdminIsTemplate OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
". "
::= { lportAdminEntry 9 }

lportAdminCanBackupServiceNames OBJECT-TYPE

SYNTAX INTEGER {
no(1),
yes(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Specifies whether or not this logical port can be backed
up to a
service name binding."
::= { lportAdminEntry 10 }

lportAdminClosedLoop OBJECT-TYPE

SYNTAX INTEGER {
off(1),
on(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Close loop congestion control switch on this logical
port. If
it is turned on (1) the function is enabled, otherwise
(0) the
function is disabled. By default, it is set to OFF(0). "
::= { lportAdminEntry 11 }

lportAdminMildThreshold OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Mild congestion level. Outbound red packets are discarded
when the transmit queue hits this threshold. The threshold
value is configured in units of 56 byte buffers."
::= { lportAdminEntry 12 }

```

lportAdminCheckInterval OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The time interval (measured in seconds) between two successive
        congestion state
        checkings. By default, it is 1 second."
    DEFVAL {1}
    ::= { lportAdminEntry 13 }

lportAdminClearDelay OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The time delay (measured in seconds) before congestion clearance
        message is sent
        when the congested port becomes less congested. By default, it is
        3 seconds."
    DEFVAL {3}
    ::= { lportAdminEntry 14 }

lportAdminBandwidth OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Logical port bandwidth. This attribute is mandatory for
        lport creation and
        can be modified."

    ::= { lportAdminEntry 15 }

lportAdminCongestionThreshold OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Congestion Threshold."
    ::= { lportAdminEntry 16 }

lportAdminErrorPerMinThreshold OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Error Per Minute Threshold"

```

::= { lportAdminEntry 17 }

lportAdminBitStuffing OBJECT-TYPE

SYNTAX INTEGER {

off(1),

on(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Bit Stuffing value. Does not apply if card type is an ATM
E3 or DS3, or an 8-port UIO."

::= { lportAdminEntry 18}

lportAdminAdminStatus OBJECT-TYPE

SYNTAX INTEGER {

up(1),

down(2),

testing(3)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION "LPort Administrative Status.This attribute is mandatory
for lport creation"

::= { lportAdminEntry 19}

lportAdminCrcChecking OBJECT-TYPE

SYNTAX INTEGER {

crc16(1),

crc32(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION "CRC type for FR, ATM, or SMDS LPorts on BSTDX HSSI
cards"

::= { lportAdminEntry 20}

lportAdminBilling OBJECT-TYPE

SYNTAX INTEGER {

disabled(1),

enabled(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Billing Option for FR, ATM, or SMDS LPorts"

::= { lportAdminEntry 21}

lportAdminFractionalDs0s OBJECT-TYPE

SYNTAX Integer32

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION "Bit Mask for DS0s used by an LPort on a channelized
T1/E1/DS1 card"
::= { lportAdminEntry 22}

lportAdminRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains holes, waiting
        for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { lportAdminEntry 23 }

lportAdminModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { lportAdminEntry 24 }

lportAdminTrafficShaperId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION ""
    DEFVAL {1}
    ::= { lportAdminEntry 25}

lportAdminTSPriority OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION ""

```

```

DEFVAL {405000}
::= { lportAdminEntry 26}

lportAdminTSSustCellRate OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION ""
    DEFVAL {405000}
    ::= { lportAdminEntry 27}

lportAdminTSPeakCellRate OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION ""
    DEFVAL {1}
    ::= { lportAdminEntry 28}

lportAdminTSBurstTolerance OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION ""
    DEFVAL {1}
    ::= { lportAdminEntry 29}

lportAdminSlotId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The slot ID containing this lport"
    ::= { lportAdminEntry 30}

lportAdminPPortId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The pport which contains this lport"
    ::= { lportAdminEntry 31}

lportAdminSmDsPduViolThresh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "SMDS PDU violation threshold"
    ::= { lportAdminEntry 32}

```

lportAdminSmDsPduViolTcaFlag OBJECT-TYPE
 SYNTAX INTEGER {
 disabled (1),
 enabled (2)
 }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "This object defines the ability to enable and disable SMDS
 pdu violation traps on this logical port. This
 functionality
 applies to the following logical port types:
 Direct Line Trunk
 The default value of this object is 'disabled'.
 "
 ::= { lportAdminEntry 33 }

lportAdminFrBadPvcFactor OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The factor used to determine the threshold for bad PVC
 detection. Its value
 ranges from 0 to 32. The relationship between the threshold and
 the factor
 is defined as:

$$\text{Threshold} = \frac{Bc + (Be / 2)}{2^{(32-Fb)}}$$

 where Fb is the factor. By default, it is set to 30. "
 ::= { lportAdminEntry 34 }

lportAdminFrAmberPm OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The percentage of amber frame reduction when mild congestion
 happens, by default, it is
 set to 50."
 ::= { lportAdminEntry 35 }

lportAdminFrAmberPs OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current

DESCRIPTION

"The percentage of amber frame reduction when severe congestion happens,
by default, it is set to 75."
::= { lportAdminEntry 36 }

lportAdminFrSevereThreshold OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Severe congestion level. Outbound red and amber packets are discarded
when the transmit queue hits this threshold. The threshold value is
configured in units of 56 byte buffers."
::= { lportAdminEntry 37 }

lportAdminFrAbsThreshold OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Absolute Congestion Level. Outbound green, amber, red packets are discarded when the transmit queue hits this threshold. The threshold
value is configured in units of 56 byte buffers."
::= { lportAdminEntry 38 }

lportShaperType OBJECT-TYPE

SYNTAX INTEGER { shaperTypeVc(1), shaperTypeVp(2) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Define the type of the shaper. By default, it is set to VC shaping."
DEFVAL {shaperTypeVc}
::= { lportAdminEntry 39 }

lportVpShapingRate OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Traffic shaping rate for first VP (which carries VC connections) on this lport. Setting the shaping rate to zero

```

        disables the VP shaping."
    DEFVAL {100}
    ::= { lportAdminEntry 40 }

lportVpShaping OBJECT-TYPE
    SYNTAX INTEGER { vpShapingEnabled(1), vpShapingDisabled(2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Traffic shaping rate for first VP (which carries VC
        connections) on this lport. Setting the shaping rate to
zero
        disables the VP shaping."
    DEFVAL { vpShapingDisabled }
    ::= { lportAdminEntry 41 }

lportAdminServiceClassSupported OBJECT-TYPE
    SYNTAX INTEGER {
        mono (1),
        multi (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Priority Frame Service class."
    ::= { lportAdminEntry 42 }

lportAdminXmitSchedMode OBJECT-TYPE
    SYNTAX INTEGER {
        fixedPriority (1),
        weightedRoundRobin (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Priority Frame Transmit Schedule mode."
    ::= { lportAdminEntry 43 }

lportAdminPacketSegmentation OBJECT-TYPE
    SYNTAX INTEGER {
        off(1),
        on(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Priority Frame Packet Segmentation(off or on)"
    ::= { lportAdminEntry 44 }

lportAdminAllowVfrRtNegative OBJECT-TYPE
    SYNTAX INTEGER {

```

```

        disabled(1),
        enabled(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Ascend switches reroute circuits in response to
trunk
        failure. In doing so, Ascend switches will allow only
        non real time bandwidths(UFR,UBR,...) on the trunk
        to go negative. By setting this variable to 1 on
        trk lport, Ascend switch will also allow VFR-RT bw
go
        negative on trunk failure reroute of circuits. 0
        wouldn't allow it to go negative."
    ::= { lportAdminEntry 45 }

--
-- lportFrTable - contains instances of Lport objects with Frame Relay
-- attributes.
-- NOTE: The lportFrTable is also used to store information associated
-- with proprietary Lport types
-- (identified in CascadeView as type ?other?).

lportFrTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportFrEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "List of logical port Frame Relay attribute entries."
    ::= { lportConfiguration 2 }

lportFrEntry OBJECT-TYPE
    SYNTAX LportFrEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Frame Relay logical port attribute entry."
    INDEX { switchIdIndex, lportIfIndex }
    ::= { lportFrTable 1 }

LportFrEntry ::=
    SEQUENCE {
        lportFrFrameRelayType
            INTEGER,
        lportFrDLCI
            Integer32,
        lportFrLastInvalidDLCI
            Integer32,

```

lportFrLinkMgmtProtocol
INTEGER,
lportFrDcePollVerifTimer
Integer32,
lportFrDceErrorThreshold
Integer32,
lportFrDceEventCount
Integer32,
lportFrDteErrorThreshold
Integer32,
lportFrDteEventCount
Integer32,
lportFrDtePollTimer
Integer32,
lportFrDteFullPollCounter
Integer32,
lportFrOtherType
INTEGER,
lportFrLmiUpdateDelay
Integer32,
lportFrCirBeRoutingFactors1
Integer32,
lportFrCirBeRoutingFactors2
Integer32,
lportFrQ922Signal
INTEGER,
lportFrCallAdmissCtrl
INTEGER,
lportFrRowStatus
RowStatus,
lportFrModifyType
INTEGER,
lportFrCllmAdminState
INTEGER,
lportFrCllmInterval
Integer32,
lportFrCllmThresholdNone
Integer32,
lportFrCllmThresholdMild
Integer32,
lportFrMLFRBundleLPortName
DisplayString,
lportFrIsCirOversubEnabled
INTEGER,
lportFrCirOversub
Integer32,
lportFrCirPolicingEnabled
INTEGER

```

    }

lportFrFrameRelayType OBJECT-TYPE
    SYNTAX INTEGER {
        uniDce(1),
        uniDte(2),
        nni(3),
        optimumTrunk(4)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Frame Relay Connection Type (valid only if Frame Relay)"
    ::= { lportFrEntry 1}

lportFrDLCI OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The global DLCI correspondent to the interface if the
        DLCI is
        globally significant in the network. Note that this object
        is
        read-write only during creation, and read-only after
        creation."
    ::= { lportFrEntry 2 }

lportFrLastInvalidDLCI OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This item pertains to user frame relay lports only. The
        frame
        relay header of the received frame contains a dlci, which
        uniquely identifies a specific pvc on this lport. When no
        pvc
        has been configured, on the lport, that corresponds to the
        dlci specified in the frame header, the frame is said to
        have
        an invalid dlci. This lport entry holds the value of the
        most recent invalid dlci received on this lport, to be
        used in
        troubleshooting faulty configurations."
    ::= { lportFrEntry 3}

lportFrLinkMgmtProtocol OBJECT-TYPE

```

```
SYNTAX INTEGER {
    disabled(1),
    lmiRev1(2),
    ansiT1dot617D(3),
    ccittQ933A(4),
    autoDetect(5),
    ansiT1dot617B(6)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Link Management Protocol Type for Frame Relay LPorts."
::= { lportFrEntry 4}
```

```
lportFrDcePollVerifTimer OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "DCE Verification Timer for Frame Relay DCE LPorts."
    ::= { lportFrEntry 5}
```

```
lportFrDceErrorThreshold OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "DCE Error Threshold for Frame Relay DCE LPorts"
    ::= { lportFrEntry 6 }
```

```
lportFrDceEventCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "DCE Event Count for Frame Relay DCE LPorts"
    ::= { lportFrEntry 7 }
```

```
lportFrDteErrorThreshold OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "DTE Error Threshold for Frame Relay DTE LPorts"
    ::= { lportFrEntry 13}
```

```
lportFrDteEventCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "DTE Event Count for Frame Relay DTE LPorts"
    ::= { lportFrEntry 14}
```

```

lportFrDtePollTimer OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "DTE Poll Timer for Frame Relay DTE LPorts"
    ::= { lportFrEntry 15}

lportFrDteFullPollCounter OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Dte Full Poll Counter for Frame Relay DTE LPorts"
    ::= { lportFrEntry 16}

lportFrOtherType OBJECT-TYPE
    SYNTAX INTEGER {
        directFrTrunk(1),
        directCellTrunk(2),    -- not supported yet
        encapsulationFrad(3),
        pppTo1490Xlotion(4),
        pppTo1483Xlotion(5),
        isdnPriDChannel(6),
        directMgmtTrunk(7),
        mlfrTrunkBundle(10),
        mlMember(11)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Connection type for 'Other' LPorts"
    ::= { lportFrEntry 17}

lportFrLmiUpdateDelay OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "LMI Delay for Frame Relay NNI LPorts."
    ::= { lportFrEntry 18}

lportFrCirBeRoutingFactors1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        ". "
    ::= {lportFrEntry 19 }

lportFrCirBeRoutingFactors2 OBJECT-TYPE
    SYNTAX Integer32

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
"."
::= {lportFrEntry 20 }

lportFrQ922Signal OBJECT-TYPE
SYNTAX INTEGER {
 enabled (1),
 disabled (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Frame relay Q922 sinal enable/disable."
::= {lportFrEntry 21 }

lportFrCallAdmissCtrl OBJECT-TYPE
SYNTAX INTEGER {
 enabled (1),
 disabled (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"FR call admission control."
::= {lportFrEntry 22 }

lportFrRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but not
made active by client.
notReady(3) - Row has been created but contains ?holes?, waiting
for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { lportFrEntry 23 }

lportFrModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { lportFrEntry 24 }

lportFrCllmAdminState OBJECT-TYPE
SYNTAX INTEGER {
 down (1),
 up (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "FrameRelay UNI CLLM administrative state."
::= { lportFrEntry 25}

lportFrCllmInterval OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "FrameRelay UNI CLLM timer duration value.
It is configurable only when CLLM administrative status is up."
::= { lportFrEntry 26}

lportFrCllmThresholdNone OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "FrameRelay UNI CLLM threshold level 1.
It is considered to be a non-congested state if below this level."
::= { lportFrEntry 27}

lportFrCllmThresholdMild OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "FrameRelay UNI CLLM threshold level 2.
It is considered to be a mild-congested state if below this level
(above lportFrCllmThresholdNone), else it is in absolute congestion
state."
::= { lportFrEntry 28}

lportFrMLFRBundleLPortName OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only

STATUS current
DESCRIPTION "Name of the MLFRBundle lport to which a MLFR member lport
is bound to."
::= { lportFrEntry 29 }

lportFrIsCirOversubEnabled OBJECT-TYPE
SYNTAX INTEGER {
false(1),
true(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Specifies if the Bandwidth Oversubscription is enabled
or not."
DEFVAL { false }
::= { lportFrEntry 30 }

lportFrCirOversub OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Percentage of CIR Oversubscription."
DEFVAL { 100 }
::= { lportFrEntry 31 }

lportFrCirPolicingEnabled OBJECT-TYPE
SYNTAX INTEGER {
disabled(1),
enabled(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Specifies if the CIR Policing is enabled or not."
DEFVAL { enabled }
::= { lportFrEntry 32 }

--
-- lportAtmTable - contains instances of Lport objects consisting of ATM
attributes.
--

lportAtmTable OBJECT-TYPE
SYNTAX SEQUENCE OF LportAtmEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "List of Lport entries containing ATM attributes."
::= { lportConfiguration 3 }

lportAtmEntry OBJECT-TYPE
SYNTAX LportAtmEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "Group of ATM attributes."
INDEX { switchIdIndex, lportIfIndex }
::= { lportAtmTable 1 }

LportAtmEntry ::=

SEQUENCE {

 lportAtmAtmType
 INTEGER,

 lportAtmAtmPcqIndex
 Integer32,

 lportAtmAtmBurstTolerance
 Integer32,

 lportAtmAtmSustainCellRate
 Integer32,

 lportAtmAtmProtocolType
 INTEGER,

 lportAtmAtmUniType
 INTEGER,

 lportAtmAtmConnType
 INTEGER,

 lportAtmAtmValidVpiBits
 Integer32,

 lportAtmAtmValidVciBits
 Integer32,

 lportAtmIlmiAdminStatus
 INTEGER,

 lportAtmIlmiDteScreenMode
 INTEGER,

 lportAtmIlmiPollPeriod
 Integer32,

 lportAtmIlmiLossThreshold
 Integer32,

 lportAtmIlmiValidVpiBits
 Integer32,

 lportAtmIlmiValidVciBits
 Integer32,

 lportAtmOamCircuitAlarms
 INTEGER,

 lportAtmOamAlarmTimerThreshold
 Integer32,

 lportAtmCbrBwAlloc
 Integer32,

```
lportAtmVbr1BwAlloc
    Integer32,
lportAtmVbr2BwAlloc
    Integer32,
lportAtmUbrBwAlloc
    Integer32,
lportAtmCbrRouteMetric
    INTEGER,
lportAtmVbr1RouteMetric
    INTEGER,
lportAtmVbr2RouteMetric
    INTEGER,
lportAtmUbrRouteMetric
    INTEGER,
lportAtmCbrBwOversub
    Integer32,
lportAtmVbr1BwOversub
    Integer32,
lportAtmVbr2BwOversub
    Integer32,
lportAtmUbrBwOversub
    Integer32,
lportAtmAtmCallAdmControl
    INTEGER,
lportAtmUpcFunction -- add marker
    INTEGER,
lportAtmCtrlUpcFunction
    INTEGER,
lportAtmNpcFunction
    INTEGER,
lportAtmCtrlNpcFunction
    INTEGER,
lportAtmCellHeadFormat
    INTEGER,
lportAtmConnectionClass
    INTEGER,
lportAtmPvcRangeVpiStart
    Integer32,
lportAtmPvcRangeVpiStop
    Integer32,
lportAtmVpiToVpciOffSet
    Integer32,
lportAtmPvPVpiMin
    Integer32,
lportAtmPvpVpiMax
    Integer32,
lportAtmPvcVpiMin
    Integer32,
```

lportAtmPvcVpiMax
Integer32,
lportAtmPvcVciMin
Integer32,
lportAtmPvcVciMax
Integer32,
lportAtmSvcVpiMin
Integer32,
lportAtmSvcVpiMax
Integer32,
lportAtmSvcVciMin
Integer32,
lportAtmSvcVciMax
Integer32,
lportAtmIsCbrDynamic
INTEGER,
lportAtmIsVbrRTDynamic
INTEGER,
lportAtmIsVbrNRTDynamic
INTEGER,
lportAtmIsUbrDynamic
INTEGER,
lportAtmAtmPeakCellRate
Integer32,
lportAtmEgressDeClpBitMap
INTEGER,
lportAtmIngressClpDeBitMap
INTEGER,
lportAtmEgressFecnEfciBitMap
INTEGER,
lportAtmIngressEfciFecnBitMap
INTEGER,
lportAtmRowStatus
RowStatus,
lportAtmModifyType
INTEGER,
lportAtmTrunkFwdTD
DisplayString,
lportAtmTrunkRevTD
DisplayString,
lportAtmNodeFwdTD
DisplayString,
lportAtmNodeRevTD
DisplayString,
lportAtmVpiToVpciMappingType
INTEGER,
lportAtmProxySigAdminStatus
INTEGER,

```

lportAtmProxySigAgent
    OBJECT IDENTIFIER,
lportAtmStaticDelay
    Integer32,
lportAtmSvpVpiMax
    Integer32,
lportAtmSvpVpiMin
    Integer32
}

lportAtmAtmType OBJECT-TYPE
    SYNTAX INTEGER {
        uniDce(1),
        uniDte(2),
        xportForFrNni(3),
        optimumFrameTrunk(4),
        optimumCellTrunk(5),
        directTrunk(6),
        nni(8)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "ATM Connection Type (valid only if ATM)"
    ::= { lportAtmEntry 1 }

lportAtmAtmPcqIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Index into the priority queues defined in the PPort.
        Only applicable for LPorts on a DS3 Card."
    ::= { lportAtmEntry 2 }

lportAtmAtmBurstTolerance OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Burst tolerance.
        Only applicable for LPorts on a DS3 Card."
    ::= { lportAtmEntry 3 }

lportAtmAtmSustainCellRate OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current

```

DESCRIPTION "Sustainable cell rate.
Only applicable for LPorts on a DS3 Card."
::= { lportAtmEntry 4}

lportAtmAtmProtocolType OBJECT-TYPE
SYNTAX INTEGER {
 uni30 (1),
 uni31 (2),
 iisp31 (3),
 bici11 (4),
 iisp30 (5),
 uni40 (6),
 pnni10 (7),
 bici20 (8),
 q2931 (9)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "ATM protocol and its version supported at this ATM port."
::= { lportAtmEntry 5}

lportAtmAtmUniType OBJECT-TYPE
SYNTAX INTEGER {
 public(1),
 private(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The type of UNI for this ATM lport."
::= { lportAtmEntry 6 }

lportAtmAtmConnType OBJECT-TYPE
SYNTAX INTEGER {
 netToEnd(1),
 netToNet(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The type of connection at this lport."
::= { lportAtmEntry 7}

lportAtmAtmValidVpiBits OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write

STATUS current
DESCRIPTION
"Number of bits of VPI supported."
::= { lportAtmEntry 8 }

lportAtmAtmValidVciBits OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Number of bits of VCI supported."
::= { lportAtmEntry 9 }

lportAtmIlmiAdminStatus OBJECT-TYPE
SYNTAX INTEGER {
 enabled (1),
 disabled (2)
}
MAX-ACCESS read-write
STATUS deprecated
DESCRIPTION
"Administrative state for ILMI function on this ATM port.
When enabled
 on DCE ports, the port will actively transmit polls and
monitor
 responses in order to determine the operational status of
the port.
 When enabled for DTE ports, the port will passively
monitor polls to
 determine the operational status of the port."
::= { lportAtmEntry 10 }

lportAtmIlmiDteScreenMode OBJECT-TYPE
SYNTAX INTEGER {
 nodePrefix (1),
 portPrefix (2),
 nodePrefixOrPortPrefix (3),
 rejectAll (127),
 acceptAll (255)
}
MAX-ACCESS read-write
STATUS deprecated
DESCRIPTION
"The type of screening, if any, to apply against dynamic
prefixes
 received from the peer ILMI entity at this ATM DTE port."
::= { lportAtmEntry 11 }

```

lportAtmIlmiPollPeriod OBJECT-TYPE
    SYNTAX Integer32 (1..255)
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION
        "If ILMI is enabled for this ATM port, the duration in
seconds that
        the ILMI poll is generated, if DCE, or monitored, if DTE.
The default
        value is 5 seconds."
    ::= { lportAtmEntry 12 }

lportAtmIlmiLossThreshold OBJECT-TYPE
    SYNTAX Integer32 (1..255)
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION
        "Link is considered down if response loss exceeds this
threshold.."
    ::= { lportAtmEntry 13 }

lportAtmIlmiValidVpiBits OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION
        "Valid VPI header bits."
    ::= { lportAtmEntry 14 }

lportAtmIlmiValidVciBits OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION
        "Valid VCI header bits."
    ::= { lportAtmEntry 15 }

lportAtmOamCircuitAlarms OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Lport may generate OAM alarms if this is enabled."
    ::= { lportAtmEntry 16 }

```

lportAtmOamAlarmTimerThreshold OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"."

::= { lportAtmEntry 17 }

lportAtmCbrBwAlloc OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-only

STATUS deprecated

DESCRIPTION " Constant bit rate (CBR) bandwidth allocation for atm

lport.

Accessible only when lportAtmIsCbrDynamic is set to false.

Value ranges from 0 to 100 in percent."

::= { lportAtmEntry 18 }

lportAtmVbr1BwAlloc OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS deprecated

DESCRIPTION " Variable bit rate (VBR) real time bandwidth allocation for atm lport.

Accessible only when lportAtmIsVbrRTDynamic is set to false.

Value ranges from 0 to 100 in percent."

::= { lportAtmEntry 19 }

lportAtmVbr2BwAlloc OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS deprecated

DESCRIPTION "Variable bit rate (VBR) non-real time bandwidth allocation for atm lport.

Accessible only when lportAtmIsVbrNRTDynamic is set to false.

Value ranges from 0 to 100 in percent."

::= { lportAtmEntry 20 }

lportAtmUbrBwAlloc OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS deprecated

DESCRIPTION " Unspecified bit rate (UBR) bandwidth allocation for atm lport.

Accessible only when lportAtmIsUbrRTDynamic is set to

false.

Value ranges from 0 to 100 in percent."

::= { lportAtmEntry 21 }

lportAtmCbrRouteMetric OBJECT-TYPE

SYNTAX INTEGER {

adminCost (1),

endToEndDelay (2),

cellDelayVariation (3)

}

MAX-ACCESS read-write

STATUS deprecated

DESCRIPTION "Routing metric associated with CBR."

::= { lportAtmEntry 22 }

lportAtmVbr1RouteMetric OBJECT-TYPE

SYNTAX INTEGER {

administrativeCost (1),

endToEndDelay (2),

cellDelayVariation (3)

}

MAX-ACCESS read-write

STATUS deprecated

DESCRIPTION "Routing metric associated with QoS VBR (real time)."

::= { lportAtmEntry 23 }

lportAtmVbr2RouteMetric OBJECT-TYPE

SYNTAX INTEGER {

administrativeCost (1),

endToEndDelay (2)

}

MAX-ACCESS read-write

STATUS deprecated

DESCRIPTION "Routing metric associated with QoS VBR (non-real time)."

::= { lportAtmEntry 24 }

lportAtmUbrRouteMetric OBJECT-TYPE

SYNTAX INTEGER {

administrativeCost (1),

endToEndDelay (2)

}

MAX-ACCESS read-write

STATUS deprecated

DESCRIPTION "Routing metric associated with QoS UBR."

::= { lportAtmEntry 25 }

lportAtmCbrBwOversub OBJECT-TYPE

```
SYNTAX Integer32
MAX-ACCESS read-only
STATUS deprecated
DESCRIPTION " Constant bit rate (CBR) bandwidth oversubscription"
::= { lportAtmEntry 26 }
```

```
lportAtmVbr1BwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION " Variable bit rate (VBR) real time bandwidth
oversubscription. "
::= { lportAtmEntry 27 }
```

```
lportAtmVbr2BwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION "Variable bit rate (VBR) non-real time bandwidth
oversubscription. "
::= { lportAtmEntry 28 }
```

```
lportAtmUbrBwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION " Unspecified bit rate (UBR) bandwidth
oversubscription."
::= { lportAtmEntry 29 }
```

```
lportAtmAtmCallAdmControl OBJECT-TYPE
    SYNTAX INTEGER {
        enabled (1),
        disabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " "
::= { lportAtmEntry 30 }
```

```
lportAtmUpcFunction OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
```

"Enable ATM UPC Function."
::= { lportAtmEntry 31}

lportAtmCellHeadFormat OBJECT-TYPE
SYNTAX INTEGER {
 uni (1),
 nni (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "atm cell header with uni-format or nni-format with no
GFC."
::= { lportAtmEntry 32}

lportAtmConnectionClass OBJECT-TYPE
SYNTAX INTEGER {
 direct(1),
 virtual(2)
}
MAX-ACCESS read-only
STATUS current
DESCRIPTION " For virtual UNI type, the default value is
virtual(2)."
::= { lportAtmEntry 33}

lportAtmPvcRangeVpiStart OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
 "VPI value in the ATM cell header:
 ATM DXI with HSSI IOP VPI (4 lsb bit) range: 0 - 15
 ATM UNI DS3/E3 IOP VPI (4 lsb bit) range: 0 - 15"
::= { lportAtmEntry 34}

lportAtmPvcRangeVpiStop OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The stop value for the PVC VPI range.
 Used only by VP Mux termination lports"
::= { lportAtmEntry 35}

lportAtmVpiToVpciOffSet OBJECT-TYPE
SYNTAX Integer32 (0..4095)
MAX-ACCESS read-write

STATUS current
DESCRIPTION
 "VPCI to VPI offset."
DEFVAL { 0 }
::= { lportAtmEntry 36}

lportAtmPvPVpiMin OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION "."
 ::= { lportAtmEntry 37}

lportAtmPvpVpiMax OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION "."
 ::= { lportAtmEntry 38}

lportAtmPvcVpiMin OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION "."
 ::= { lportAtmEntry 39}

lportAtmPvcVpiMax OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION "."
 ::= { lportAtmEntry 40}

lportAtmPvcVciMin OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION "."
 ::= { lportAtmEntry 41}

lportAtmPvcVciMax OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION "."
 ::= { lportAtmEntry 42}

lportAtmSvcVpiMin OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "."
::= { lportAtmEntry 43}

lportAtmSvcVpiMax OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "."
::= { lportAtmEntry 44}

lportAtmSvcVciMin OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "."
::= { lportAtmEntry 45}

lportAtmSvcVciMax OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "."
::= { lportAtmEntry 46}

lportAtmIsCbrDynamic OBJECT-TYPE
SYNTAX INTEGER {
false(1),
true(2)
}
MAX-ACCESS read-write
STATUS deprecated
DESCRIPTION " "
::= { lportAtmEntry 47}

lportAtmIsVbrRTDynamic OBJECT-TYPE
SYNTAX INTEGER {
false(1),
true(2)
}
MAX-ACCESS read-write
STATUS deprecated
DESCRIPTION " "
::= { lportAtmEntry 48}

lportAtmIsVbrNRTDynamic OBJECT-TYPE

SYNTAX INTEGER {
false(1),
true(2)
}
MAX-ACCESS read-write
STATUS deprecated
DESCRIPTION " "
::= { lportAtmEntry 49}

lportAtmIsUbrDynamic OBJECT-TYPE

SYNTAX INTEGER {
false(1),
true(2)
}
MAX-ACCESS read-write
STATUS deprecated
DESCRIPTION " "
::= { lportAtmEntry 50}

lportAtmAtmPeakCellRate OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION " "
::= { lportAtmEntry 51}

lportAtmRowStatus OBJECT-TYPE

SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but not
made active by client.
notReady(3) - Row has been created but contains holes, waiting
for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { lportAtmEntry 52 }

lportAtmModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { lportAtmEntry 53}

lportAtmNpcFunction OBJECT-TYPE
SYNTAX INTEGER {
disabled (1),
enabled (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Enable ATM NPC Function."
::= { lportAtmEntry 54}

lportAtmCtrlUpcFunction OBJECT-TYPE
SYNTAX INTEGER {
disabled (1),
enabled (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Enable ATM Control UPC Function."
::= { lportAtmEntry 55}

lportAtmTrunkFwdTD OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Forward Traffic Descriptor to specify QoS for Card channel
on OPTimum and Direct Cell Trunks"
::= { lportAtmEntry 56 }

lportAtmTrunkRevTD OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Reverse Traffic Descriptor to specify QoS for Card channel
on OPTimum and Direct Cell Trunks"
::= { lportAtmEntry 57 }

```

lportAtmNodeFwdTD OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Forward Traffic Descriptor to specify QoS for Node channel
        on OPTimum and Direct Cell Trunks"
    ::= { lportAtmEntry 58 }

lportAtmNodeRevTD OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Reverse Traffic Descriptor to specify QoS for Node channel
        on OPTimum and Direct Cell Trunks"
    ::= { lportAtmEntry 59 }

lportAtmEgressDeClpBitMap OBJECT-TYPE
    SYNTAX INTEGER {
        clp0 (1),
        clp1 (2),
        frDe (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "CLP mapping for Frames carried on an ATM trunk. "
    DEFVAL {frDe}
    ::= { lportAtmEntry 60 }

lportAtmIngressClpDeBitMap OBJECT-TYPE
    SYNTAX INTEGER {
        de0 (1),
        de1 (2),
        atmClp (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "CLP bit mapping for Frames carried on an ATM trunk. "
    DEFVAL {atmClp}
    ::= { lportAtmEntry 61 }

lportAtmEgressFecnEfciBitMap OBJECT-TYPE
    SYNTAX INTEGER {
        efci0 (1),

```

```
    fecn (2)
  }
  MAX-ACCESS read-write
  STATUS current
  DESCRIPTION
  "EFCI bit mapping for Frames carried on an ATM trunk. "
  DEFVAL {fecn}
  ::= {lportAtmEntry 62 }
```

```
lportAtmIngressEfciFecNBitMap OBJECT-TYPE
  SYNTAX INTEGER {
    fecn0 (1),
    efci (2)
  }
  MAX-ACCESS read-write
  STATUS current
  DESCRIPTION
  "FECN bit mapping for Frames carried from an ATM trunk. "
  DEFVAL {efci}
  ::= {lportAtmEntry 63 }
```

```
lportAtmVpiToVpciMappingType OBJECT-TYPE
  SYNTAX INTEGER {
    equal (1),          -- vpi = vpci
    positiveOffset (2), -- vpi = vpci + offset
    negativeOffset (3), -- vpi = vpci - offset
    table (4)           -- vpi = table(vpci)
  }
  MAX-ACCESS read-write
  STATUS current
  DESCRIPTION
  "VPCI to VPI Mapping Type. Given a VPCI, calculate
  the VPI"
  DEFVAL { equal }
  ::= {lportAtmEntry 64 }
```

```
lportAtmProxySigAdminStatus OBJECT-TYPE
  SYNTAX INTEGER {
    disabled (1),
    proxyAgent (2),
    proxyClient (3)
  }
  MAX-ACCESS read-write
  STATUS current
  DESCRIPTION
  "Proxy signaling administrative status
  disabled - no proxy capabilities
  proxyAgent - DCE UNI port only - lport acts as a
```

network proxy agent.
 proxyClient - DCE UNI port only - signaling is
 performed by a peer PSA"
 DEFVAL { disabled }
 ::= { lportAtmEntry 65}

lportAtmProxySigAgent OBJECT-TYPE
 SYNTAX OBJECT IDENTIFIER
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The object ID of the Proxy Signaling agent. The OID is switch IP
 address, LPort interface number"
 ::= { lportAtmEntry 66}

lportAtmStaticDelay OBJECT-TYPE
 SYNTAX Integer32 (0..16777215)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The measured one-way delay of the trunk. For
 direct or optimum cell trunks, units are in
 increments of 100 microseconds. For PNNI trunks,
 units are in microseconds. If the value
 is 0, it means delay value is not available
 for this trunk.
 Default values:

OC485us		OC12	10us
OC3	22us		
E3	41us		
DS3	42us		
E1	370us		
DS1	522us		
others	0us"		

 ::= { lportAtmEntry 67}

lportAtmSvpVpiMax OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "."
 ::= { lportAtmEntry 68}

lportAtmSvpVpiMin OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current

```

        DESCRIPTION "."
        ::= { lportAtmEntry 69}

lportAtmCtrlNpcFunction OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Enable ATM Control NPC Function."
    ::= { lportAtmEntry 70}

--
-- lportAtmFcpTable -contains instances of lport objects consisting of Atm
-- Fcp Attributes
--
lportAtmFcpTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportAtmFcpEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "List of Lport entries containing Atm Fcp attributes."
    ::= { lportConfiguration 5 }

lportAtmFcpEntry OBJECT-TYPE
    SYNTAX LportAtmFcpEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Group of ATM attributes."
    INDEX {switchIdIndex , lportIfIndex }
    ::= { lportAtmFcpTable 1 }

LportAtmFcpEntry ::=
    SEQUENCE {
        lportAtmFcpRmCellGen
        INTEGER,
        lportAtmFcpRmCellTerm
        INTEGER,
        lportAtmFcpEfciBitCheck
        INTEGER,
        lportAtmFcpTotalBuffer
        Integer32,
        lportAtmFcpClp01Thresh
        Integer32,
        lportAtmFcpDiscardThresh
        Integer32,

```

```

        lportAtmFcpEfciThresh
        Integer32,
        lportAtmFcpRowStatus
        RowStatus,
        lportAtmFcpModifyType
        INTEGER
    }

lportAtmFcpRmCellGen OBJECT-TYPE
    SYNTAX INTEGER {
        noLoop (1),
        ccrm (2),
        bcm (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The type of RM cells the NRTS processor generates on this
        lport."
    ::= { lportAtmFcpEntry 1}

lportAtmFcpRmCellTerm OBJECT-TYPE
    SYNTAX INTEGER {
        ccrm (1),
        ccrmAndBcm (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The type of RM cells the NRTS processor terminates on this
        lport."
    ::= { lportAtmFcpEntry 2}

lportAtmFcpEfciBitCheck OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Whether the NRTS processor checks the EFCI bit for
        circuits on
        this lport when incrementing EFCI counts."
    ::= { lportAtmFcpEntry 3}

lportAtmFcpTotalBuffer OBJECT-TYPE
    SYNTAX Integer32

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Cell buffer size for this lport controlled by the NRTS
 processor."
::= {lportAtmFcpEntry 4}

lportAtmFcpClp01Thresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The CLP=0+1 threshold for this lport used by the NRTS
 processor. Must be smaller than the cell buffer size
 allocated for this lport."
::= {lportAtmFcpEntry 5}

lportAtmFcpDiscardThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The CLP=1 discard threshold for this lport used by the
NRTS
 processor. Must be smaller than the CLP=0+1 threshold. May
 also be used as the EPD threshold."
::= {lportAtmFcpEntry 6}

lportAtmFcpEfciThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The EFCI threshold for this lport used by the NRTS
processor.
 Must be smaller than the CLP=0+1 and discard thresholds."
::= {lportAtmFcpEntry 7}

lportAtmFcpRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Row status active(1) - Row is currently usable.
 notInService(2) - Row has been created and initialized but not
made active by client.
 notReady(3) - Row has been created but contains holes, waiting
for client to finish.

```

        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
 ::= { lportAtmFcpEntry 8 }

lportAtmFcpModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL { normal }
 ::= { lportAtmFcpEntry 9 }

--
-- lportAtmNtmTable -contains instances of lport objects consisting of Atm
Ntm Attributes
--
lportAtmNtmTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportAtmNtmEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "List of Lport entries containing Atm Ntm attributes."
 ::= { lportConfiguration 6 }

lportAtmNtmEntry OBJECT-TYPE
    SYNTAX LportAtmNtmEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Group of ATM attributes."
    INDEX { switchIdIndex , lportIfIndex }
 ::= { lportAtmNtmTable 1 }

LportAtmNtmEntry ::=
    SEQUENCE {
        lportAtmNtmCt0
        Integer32,
        lportAtmNtmCt1
        Integer32,
        lportAtmNtmCt2
        Integer32,
        lportAtmNtmCt3

```

```

Integer32,
lportAtmNtmNotificationTime
Integer32,
lportAtmNtmRowStatus
RowStatus,
lportAtmNtmModifyType
INTEGER
}

lportAtmNtmCt0 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Congestion threshold #0 for NTM/NDC in cells/second.
        Used as a severe congestion abatement threshold on an
IOM."
    ::= { lportAtmNtmEntry 1 }

lportAtmNtmCt1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Congestion threshold #1 for NTM/NDC in cells/second.
        Used as a severe congestion abatement threshold on an
IOM."
    ::= { lportAtmNtmEntry 2 }

lportAtmNtmCt2 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Congestion threshold #2 for NTM/NDC in cells/second.
        Used as a severe congestion abatement threshold on an
IOM."
    ::= { lportAtmNtmEntry 3 }

lportAtmNtmCt3 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Congestion threshold #3 for NTM/NDC in cells/second.
        Used as a severe congestion abatement threshold on an
IOM."
    ::= { lportAtmNtmEntry 4 }

```

```

lportAtmNtmNotificationTime OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Selects a minimum severe congestion period upon which
        an alarm is generated on an IOM. Default value is
        30 seconds."
    ::= { lportAtmNtmEntry 5}

lportAtmNtmRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains ?holes?, waiting
        for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { lportAtmNtmEntry 6 }

lportAtmNtmModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { lportAtmNtmEntry 7 }

--
-- lportAtmBillingTable -contains instances of lport objects consisting of
-- Atm Billing Attributes
--
lportAtmBillingTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportAtmBillingEntry
    MAX-ACCESS not-accessible
    STATUS current

```

DESCRIPTION "List of Lport entries containing Atm Billing attributes."
::= { lportConfiguration 7 }

lportAtmBillingEntry OBJECT-TYPE
SYNTAX LportAtmBillingEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "Group of ATM attributes."
INDEX { switchIdIndex , lportIfIndex }
::= { lportAtmBillingTable 1 }

LportAtmBillingEntry ::=

SEQUENCE {
 lportAtmBillingSvcAccounting
 INTEGER,
 lportAtmBillingPvcParamRec
 INTEGER,
 lportAtmBillingAddrSameAsUni
 INTEGER,
 lportAtmBillingCarrierId
 Integer32,
 lportAtmBillingGenPtPt
 INTEGER,
 lportAtmBillingGenPtMultiPt
 INTEGER,
 lportAtmBillingGenUnsuccess
 INTEGER,
 lportAtmBillingIntraAbr
 INTEGER,
 lportAtmBillingIntraUbr
 INTEGER,
 lportAtmBillingIntraVbr
 INTEGER,
 lportAtmBillingIntraCbr
 INTEGER,
 lportAtmBillingSvcSubAddr
 INTEGER,
 lportAtmBillingRowStatus
 RowStatus,
 lportAtmBillingModifyType
 INTEGER,
 lportAtmBillingDefaultUniAddrFormat
 INTEGER,
 lportAtmBillingDefaultUniAddrAsc
 OCTET STRING,
 lportAtmBillingDefaultUniAddrHex
 OCTET STRING,

```

    lportAtmBillingDefaultUniAddrAfi
    OCTET STRING,
    lportAtmBillingDefaultUniAddrPrefix
    OCTET STRING,
    lportAtmBillingPVCRecInterfaceId
    Integer32
}

lportAtmBillingSvcAccounting OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2),
        study(3)
    }

    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object defines the ability to enable and disable ATM
        SVC accounting on this logical port. When the value of
        atmacctControl is 'enabled', the value of this object will
        take precedence. When the value of atmacctControl is
        'disabled', the value of this object will be overridden and
        ATM SVC accounting will be disabled.

        The default value of this object is 'disabled'."

    ::= { lportAtmBillingEntry 1}

lportAtmBillingPvcParamRec OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object controls the recording of ATM PVC parameters
        when usage measurement is enabled for this port. When set
        to enabled(2), all of the following parameters (if defined
        for the circuit) will be recorded in the usage data for
        each PVC:
            Ingress Peak Cell Rates (CLP=0) and (CLP=0+1)
            Ingress Sustained Cell Rates (CLP=0) and (CLP=0+1)
            Ingress QoS Class
            Egress Peak Cell Rates (CLP=0) and (CLP=0+1)
            Egress Sustained Cell Rates (CLP=0) and (CLP=0+1)
            Egress QoS Class

```

This object is defined at the user (UNI) and network interfaces (B-ICI and NNI).

The default value of this object is disabled(1).

Note: this object is read-only if PVCs are provisioned on the specified port."

::= {lportAtmBillingEntry 2}

lportAtmBillingAddrSameAsUni OBJECT-TYPE

SYNTAX INTEGER {

false(1),

true(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object identifies the type of ATM address that is to be used as the default billing address for SVCs

originating

on this logical port. if the value is no(1), the octet

string

comprising this address is given by parameter

DefaultUniAddr

If the value of this parameter is yes(2), switch will use

the

Calling Party Insertion address defined for this logical

port

as the default billing address. In this case, the value of

DefaultUniAddr has no meaning and should be set to null."

::= {lportAtmBillingEntry 3}

lportAtmBillingDefaultUniAddrFormat OBJECT-TYPE

SYNTAX INTEGER {

e164Native (1),

dCCAESA (100),

iCDAESA (101),

e164AESA (102),

customAESA (103)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is the address-format type of Default Billing

Address for

ATM SVCs which originate at his lport. Note that this

address

may be different from the Default UNI Address defined for Calling Party Insertion.

The Default address for the port must be recorded at the switch whenever:

- 1) no Calling Party Number is present, or
- 2) the Calling Party Number fails screening or is invalid,

or

- 3) the Calling Party Number is different from the default address."

::= {lportAtmBillingEntry 4}

lportAtmBillingCarrierId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object defines a Default Billing Address for ATM SVCs which originate at this lport. Note that this address may

be

different from the Default UNI Address defined for Calling Party Insertion.

The Default address for the port must be recorded at the switch whenever:

- 1) no Calling Party Number is present, or
- 2) the Calling Party Number fails screening or is invalid,

or

- 3) the Calling Party Number is different from the default address."

::= {lportAtmBillingEntry 5}

lportAtmBillingGenPtPt OBJECT-TYPE

SYNTAX INTEGER {

disabled (1),

originating (2),

terminating (3),

enabled (4)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of usage information for Point to Point ATM SVCs that

originate

or terminate on this port.

disabled = Usage measurement will not be performed for

SVC calls on this port.
 originating = Usage data is generated only for calls that originate on this port.
 terminating = Usage data is generated only for calls that terminate on this port.
 enabled = Usage measurement will be performed at both originating and terminating ends of all calls on this port.

The default value of this object is enabled(4).

When set to a value other than disabled(1), unsuccessful
 ATM SVC calls will be recorded according to the value of the atmactLportUnsuccSvcRecording object. Otherwise unsuccessful calls will not be recorded."
 ::= {lportAtmBillingEntry 6}

lportAtmBillingGenPtMultiPt OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 originating (2),
 terminating (3),
 enabled (4)
 }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of usage information for Point to Multi-Point ATM SVCs that originate or terminate on this port.

disabled = Usage measurement will not be performed for SVC calls on this port.
 originating = Usage data is generated only for calls that originate on this port.
 terminating = Usage data is generated only for calls that terminate on this port.
 enabled = Usage measurement will be performed at both originating and terminating ends of all calls on this port.

The default value of this object is terminating(3)

When set to a value other than disabled(1), unsuccessful
 ATM SVC calls will be recorded according to the value of
 the atmactLportUnsuccSvcRecording object. Otherwise

unsuccessful calls will not be recorded."
::= {lportAtmBillingEntry 7}

lportAtmBillingGenUnsuccess OBJECT-TYPE

SYNTAX INTEGER {
disabled (1),
originating (2),
terminating (3),
enabled (4)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of
usage information for unsuccessful ATM SVCs that originate
or terminate on this port. Note that this parameter

governs

recording for both point-to-point and point-to-multipoint
SVCs.

disabled = Usage data will not be generated for
unsuccessful calls on this port.

originating = Usage data is generated for all unsuccessful
calls that originated on this port. This
value can only be set for UNI ports.

terminating = Usage data is generated for all unsuccessful
calls that terminated on this port.

enabled = Usage data is generated for all unsuccessful
calls that originated or terminated on this
port. This value can only be set for UNI

ports.

The default value of this object is enabled(4) at the UNI
and disabled(1) at the network interface.

The acceptable values of this object on a network interface
are disabled(1) or terminating(3)."

::= {lportAtmBillingEntry 8}

lportAtmBillingIntraAbr OBJECT-TYPE

SYNTAX INTEGER {
disabled (1),
enabled (2),
study (3)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of Intranetwork ATM ABR SVCs at the UNI. The switch will generate usage data for the SVC only if the parameter is set to enabled(2) or study(3).

If this parameter is set to study, usage data that is generated is marked as 'study', per Bellcore GR-1110-CORE.

This parameter does not apply to ABR recording for inter-network SVCs.

The default value of this object is enabled(2)."
::= {lportAtmBillingEntry 9}

lportAtmBillingIntraUbr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 enabled (2),
 study (3)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of Intranetwork ATM UBR SVCs at the UNI. The switch will generate usage data for the SVC only if the parameter is set to enabled(2) or study(3).

If this parameter is set to study, usage data that is generated is marked as 'study', per Bellcore GR-1110-CORE.

This parameter does not apply to UBR recording for inter-network SVCs.

The default value of this object is enabled(2)."
::= {lportAtmBillingEntry 10}

lportAtmBillingIntraVbr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 enabled (2),
 study (3)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of Intranetwork ATM VBR SVCs at the UNI. The switch will

generate usage data for the SVC only if the parameter is set to enabled(2) or study(3).

If this parameter is set to study, usage data that is generated is marked as 'study', per Bellcore GR-1110-CORE.

This parameter does not apply to VBR recording for inter-network SVCs.

The default value of this object is enabled(2)."
::= {lportAtmBillingEntry 11}

lportAtmBillingIntraCbr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 enabled (2),
 study (3)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of Intranetwork ATM CBR SVCs at the UNI. The switch will generate usage data for the SVC only if the parameter is set to enabled(2) or study(3).

If this parameter is set to study, usage data that is generated is marked as 'study', per Bellcore GR-1110-CORE.

This parameter does not apply to CBR recording for inter-network SVCs.

The default value of this object is enabled(2)."
::= {lportAtmBillingEntry 12}

lportAtmBillingSvcSubAddr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 callingParty (2),
 calledParty (3),
 enabled (4)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of the Sub-addresses in ATM SVC accounting records at the UNI.

disabled = Do not records Sub-addresses
callingParty = Record the Calling Party Sub-address when
present in a call
calledParty = Record the Called Party Sub-address when
present in a call
enabled = Record both sub-addresses when present

The default value of this object is disabled(1)."
::= { lportAtmBillingEntry 13 }

lportAtmBillingRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not
made active by client.

notReady(3) - Row has been created but contains ?holes?, waiting
for client to finish

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { lportAtmBillingEntry 14 }

lportAtmBillingModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the
database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { lportAtmBillingEntry 15 }

lportAtmBillingDefaultUniAddrAsc OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is the ascii string for E.164native address-format
type of Default Billing Address for ATM SVCs."

::= { lportAtmBillingEntry 16 }

```

lportAtmBillingDefaultUniAddrHex OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This is the hex string for AESA addresses ."
    ::= {lportAtmBillingEntry 17}

lportAtmBillingDefaultUniAddrAfi OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Afi is a read-write attribute for CustomAESA address
        and read-only for other AESA formats."
    ::= {lportAtmBillingEntry 18}

lportAtmBillingDefaultUniAddrPrefix OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "This is the prefix string for ATM SVCs.
        Incase of E.164native it is same as the ascii string but
in case of
        AESA addresses it afi+hex strings"
    ::= {lportAtmBillingEntry 19}

lportAtmBillingPVCRecInterfaceId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        ". "
    ::= {lportAtmBillingEntry 20}

--
--   Frame Relay Accounting & Billing
--

lportFrBillingTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportFrBillingEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "List of Lport entries containing Frame Relay
        Billing attributes."
    ::= { lportConfiguration 11 }

```

lportFrBillingEntry OBJECT-TYPE
SYNTAX LportFrBillingEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "Group of Frame Relay billing attributes."
INDEX {switchIdIndex , lportIfIndex }
 ::= { lportFrBillingTable 1 }

LportFrBillingEntry ::=

SEQUENCE {
 lportFrBillingSvcAccountingOrig
 INTEGER,
 lportFrBillingSvcAccountingTerm
 INTEGER,
 lportFrBillingPvcParamRec
 INTEGER,
 lportFrBillingAddrSameAsUni
 INTEGER,
 lportFrBillingCarrierId
 Integer32,
 lportFrBillingGenUnsuccess
 INTEGER,
 lportFrBillingUsageMeasure
 INTEGER,
 lportFrBillingIntraAbr
 INTEGER,
 lportFrBillingIntraUbr
 INTEGER,
 lportFrBillingIntraVbr
 INTEGER,
 lportFrBillingIntraCbr
 INTEGER,
 lportFrBillingSvcSubAddr
 INTEGER,
 lportFrBillingRowStatus
 RowStatus,
 lportFrBillingModifyType
 INTEGER,
 lportFrBillingDefaultUniAddrFormat
 INTEGER,
 lportFrBillingDefaultUniAddrAsc
 OCTET STRING,
 lportFrBillingDefaultUniAddrPrefix
 OCTET STRING,
 lportFrBillingPVCRecInterfaceId
 Integer32

```

    }

lportFrBillingSvcAccountingOrig OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2),
        study(3)
    }

    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object defines the ability to enable and disable
Frame
value of
and
        Relay SVC accounting on this logical port.  When the
        acctControl is 'enabled', the value of this object will
        take precedence.  When the value of acctControl is
        'disabled', the value of this object will be overridden
        Frame Relay SVC accounting will be disabled.

        The default value of this object is 'disabled'."
    ::= {lportFrBillingEntry 1}

lportFrBillingSvcAccountingTerm OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2),
        study(3)
    }

    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object defines the ability to enable and disable
Frame
value of
and
        Relay SVC accounting on this logical port.  When the
        acctControl is 'enabled', the value of this object will
        take precedence.  When the value of acctControl is
        'disabled', the value of this object will be overridden
        Frame Relay SVC accounting will be disabled.

        The default value of this object is 'disabled'."
    ::= {lportFrBillingEntry 2}

```

lportFrBillingPvcParamRec OBJECT-TYPE

SYNTAX INTEGER {

disabled (1),

enabled (2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object controls the recording of Fr Relay PVC

parameters

when usage measurement is enabled for this port. When set to enabled(2), all of the following parameters (if defined for the circuit) will be recorded in the usage data for each PVC:

Ingress Peak Cell Rates (CLP=0) and (CLP=0+1)

Ingress Sustained Cell Rates (CLP=0) and (CLP=0+1)

Ingress QoS Class

Egress Peak Cell Rates (CLP=0) and (CLP=0+1)

Egress Sustained Cell Rates (CLP=0) and (CLP=0+1)

Egress QoS Class

This object is defined at the user (UNI) and network interfaces (B-ICI and NNI).

The default value of this object is disabled(1).

Note: this object is read-only if PVCs are provisioned on the specified port."

::= {lportFrBillingEntry 3}

lportFrBillingAddrSameAsUni OBJECT-TYPE

SYNTAX INTEGER {

false(1),

true(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object identifies the type of Fr Relay address that

is

to be used as the default billing address for SVCs

originating

on this logical port. if the value is no(1), the octet

string

comprising this address is given by parameter

DefaultUniAddr

If the value of this parameter is yes(2), switch will use

the

Calling Party Insertion address defined for this logical

port
as the default billing address. In this case, the value of
DefaultUniAddr has no meaning and should be set to null."
::= {lportFrBillingEntry 4}

lportFrBillingCarrierId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object defines a Default Billing Address for Fr

Relay SVCs

which originate at this lport. Note that this address may

be

different from the Default UNI Address defined for Calling
Party Insertion.

The Default address for the port must be recorded at the
switch whenever:

- 1) no Calling Party Number is present, or
- 2) the Calling Party Number fails screening or is invalid,

or

- 3) the Calling Party Number is different from the default
address."

::= {lportFrBillingEntry 5}

lportFrBillingGenUnsuccess OBJECT-TYPE

SYNTAX INTEGER {

disabled (1),

originating (2),

terminating (3),

enabled (4)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of
usage information for unsuccessful Fr Relay SVCs that

originate

or terminate on this port. Note that this parameter

governs

recording for both point-to-point and point-to-multipoint
SVCs.

disabled = Usage data will not be generated for
unsuccessful calls on this port.

originating = Usage data is generated for all unsuccessful
calls that originated on this port. This

value can only be set for UNI ports.
 terminating = Usage data is generated for all
 unsuccessful calls that terminated on this
 port.
 enabled = Usage data is generated for all unsuccessful
 calls that originated or terminated on this
 port. This value can only be set for UNI
 ports

The default value of this object is enabled(4) at the UNI
 and disabled(1) at the network interface.

The acceptable values of this object on a network interface
 are disabled(1) or terminating(3)."

::= {lportFrBillingEntry 6}

lportFrBillingUsageMeasure OBJECT-TYPE

SYNTAX INTEGER {
 none (1),
 bytes (2),
 frames (3),
 bytesAndFrames(4),
 deBytes (5),
 bytesAndDeBytes (6),
 framesAndDeBytes (7),
 all (8)
 }

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Usage measure on logical port ."

::= {lportFrBillingEntry 7}

lportFrBillingIntraAbr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 enabled (2),
 study (3)
 }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of
 Intranetwork Frame Relay AFR SVCs at the UNI. The switch

will

generate usage data for the SVC only if the parameter
 is set to enabled(2) or study(3).

If this parameter is set to study, usage data that is generated is marked as 'study', per Bellcore GR-1110-CORE. This parameter does not apply to AFR recording for inter-network SVCs.

The default value of this object is enabled(2)."
::= {lportFrBillingEntry 8}

lportFrBillingIntraUbr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 enabled (2),
 study (3)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of Intranetwork Frame Relay UFR SVCs at the UNI. The switch

will

generate usage data for the SVC only if the parameter is set to enabled(2) or study(3).

If this parameter is set to study, usage data that is generated is marked as 'study', per Bellcore GR-1110-CORE.

This parameter does not apply to UFR recording for inter-network SVCs.

The default value of this object is enabled(2)."
::= {lportFrBillingEntry 9}

lportFrBillingIntraVbr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 enabled (2),
 study (3)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of Intranetwork Frame Relay VFR SVCs at the UNI. The switch

will

generate usage data for the SVC only if the parameter is set to enabled(2) or study(3).

If this parameter is set to study, usage data that is generated is marked as 'study', per Bellcore GR-1110-CORE.

This parameter does not apply to VFR recording for inter-network SVCs.

The default value of this object is enabled(2)."
::= {lportFrBillingEntry 10}

lportFrBillingIntraCbr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 enabled (2),
 study (3)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of Intranetwork Frame Relay CFR SVCs at the UNI. The switch

will

generate usage data for the SVC only if the parameter is set to enabled(2) or study(3).

If this parameter is set to study, usage data that is generated is marked as 'study', per Bellcore GR-1110-CORE.

This parameter does not apply to CFR recording for inter-network SVCs.

The default value of this object is enabled(2)."
::= {lportFrBillingEntry 11}

lportFrBillingSvcSubAddr OBJECT-TYPE

SYNTAX INTEGER {
 disabled (1),
 callingParty (2),
 calledParty (3),
 enabled (4)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is used to enable or disable the recording of

the Sub-addresses in Fr Relay SVC accounting records at the

UNI.

disabled = Do not records Sub-addresses
callingParty = Record the Calling Party Sub-address when
present in a call
calledParty = Record the Called Party Sub-address when
present in a call
enabled = Record both sub-addresses when present

The default value of this object is disabled(1)."
::= {lportFrBillingEntry 12}

lportFrBillingRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not
made

active by client.

notReady(3) - Row has been created but contains \021holes\022,
waiting for client to finish

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= {lportFrBillingEntry 13 }

lportFrBillingModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOut

OfSync sends writes to the database and sets the Out of Sync
flag in
database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= {lportFrBillingEntry 14 }

lportFrBillingDefaultUniAddrFormat OBJECT-TYPE

SYNTAX INTEGER {

e164Native (1),

x121 (8)

}

MAX-ACCESS read-write

STATUS current
DESCRIPTION
"This is the address-format type of Default Billing Address for Fr Relay SVCs which originate at his lport. Note that this lport. Note that this address may be different from the Default UNI Address defined for Calling Party Insertion.

The Default address for the port must be recorded at the switch whenever:
1) no Calling Party Number is present, or
2) the Calling Party Number fails screening or is invalid,
or
3) the Calling Party Number is different from the default address."
::= {lportFrBillingEntry 15}

lportFrBillingDefaultUniAddrAsc OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This is the ascii string for E.164native address-format type
and X.121 address - Froamt type Billing Address for Frame Relay SVCs."
::= {lportFrBillingEntry 16}

lportFrBillingDefaultUniAddrPrefix OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This is the prefix string for Fr Relay SVCs.
Incase of E.164native it is same as the ascii string but
in
case of AESA addresses it afi+hex strings"
::= {lportFrBillingEntry 17}

lportFrBillingPVCRecInterfaceId OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
". "
::= {lportFrBillingEntry 18}

--
-- End Frame Relay Accounting & Billing Table

```

--
--
--    Pnni Interface Table
--
lportPnniIfTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportPnniIfEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        ""
    ::= { lportConfiguration 12 }

lportPnniIfEntry OBJECT-TYPE
    SYNTAX LportPnniIfEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        ""
    INDEX { switchIdIndex, lportIfIndex }
    ::= { lportPnniIfTable 1 }

LportPnniIfEntry ::=
    SEQUENCE {
        lportPnniIfRowStatus
            RowStatus,
        lportPnniIfModifyType
            INTEGER,
        lportPnniIfRCCFwdTD
            DisplayString,
        lportPnniIfRCCRevTD
            DisplayString,
        lportPnniIfAdmWeightCbr
            Integer32,
        lportPnniIfAdmWeightRtVbr
            Integer32,
        lportPnniIfAdmWeightNrtVbr
            Integer32,
        lportPnniIfAdmWeightAbr
            Integer32,
        lportPnniIfAdmWeightUbr
            Integer32
    }

lportPnniIfRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write

```

STATUS current
 DESCRIPTION
 "Row status active(1) - Row is currently usable.
 notInService(2) - Row has been created and initialized but not
 made active by client.
 notReady(3) - Row has been created but contains ?holes?, waiting
 for client to finish.
 createAndGo(4) - Not supported.
 createAndWait(5) - Create new row.
 destroy(6) - Delete an existing row."
 ::= { lportPnniIfEntry 1 }

lportPnniIfModifyType OBJECT-TYPE
 SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "By default, writes are stored to the database and the switch.
 Set this to dbOnly to send writes only to the database.
 dbOnlySetOutOfSync sends
 writes to the database and sets the Out of Sync flag in the
 database.
 This value is re-set to normal after every transaction."
 DEFVAL {normal}
 ::= { lportPnniIfEntry 2 }

lportPnniIfRCCFwdTD OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Forward Traffic Descriptor to specify QoS for Routing
 Control
 channel on ATM UNI Direct and Virtual LPorts"
 ::= { lportPnniIfEntry 3 }

lportPnniIfRCCRevTD OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Reverse Traffic Descriptor to specify QoS for Routing
 Control
 channel on ATM UNI Direct and Virtual LPorts"
 ::= { lportPnniIfEntry 4 }

lportPnniIfAdmWeightCbr OBJECT-TYPE
 SYNTAX Integer32

MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The administrative weight of this lportPnni interface for the
 constant bit rate service category."
DEFVAL { 5040 }
::= { lportPnniIfEntry 5 }

lportPnniIfAdmWeightRtVbr OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The administrative weight of this interface for the
 real-time variable bit rate service category."
DEFVAL { 5040 }
::= { lportPnniIfEntry 6 }

lportPnniIfAdmWeightNrtVbr OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The administrative weight of this lportPnni interface for the
 non-real-time variable bit rate service category."
DEFVAL { 5040 }
::= { lportPnniIfEntry 7 }

lportPnniIfAdmWeightAbr OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The administrative weight of this lportPnni interface for the
 available bit rate service category."
DEFVAL { 5040 }
::= { lportPnniIfEntry 8 }

lportPnniIfAdmWeightUbr OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The administrative weight of this lportPnni interface for the
 unspecified bit rate service category."
DEFVAL { 5040 }
::= { lportPnniIfEntry 9 }

```

--
--      Ilmi Table
--

lportIlmiTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportIlmiEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        ""
    ::= { lportConfiguration 13 }

lportIlmiEntry OBJECT-TYPE
    SYNTAX LportIlmiEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        ""
    INDEX { switchIdIndex, lportIfIndex }
    ::= { lportIlmiTable 1 }

LportIlmiEntry ::=
    SEQUENCE {
        lportIlmiRowStatus
            RowStatus,
        lportIlmiModifyType
            INTEGER,
        lportIlmiAdminStatus
            INTEGER,
        lportIlmiDteScreenMode
            INTEGER,
        lportIlmiPollPeriod
            Integer32,
        lportIlmiLossThreshold
            Integer32,
        lportIlmiValidVpiBits
            Integer32,
        lportIlmiValidVciBits
            Integer32,
        lportIlmiFwdTD
            DisplayString,
        lportIlmiRevTD
            DisplayString
    }

lportIlmiRowStatus OBJECT-TYPE
    SYNTAX RowStatus

```

```

MAX-ACCESS    read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but not
made active by client.
notReady(3) - Row has been created but contains ?holes?, waiting
for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { lportIlmiEntry 1 }

lportIlmiModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS    read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { lportIlmiEntry 2 }

lportIlmiAdminStatus OBJECT-TYPE
SYNTAX INTEGER {
    enabled (1),
    disabled (2)
}
MAX-ACCESS    read-write
STATUS current
DESCRIPTION
"Administrative state for ILMI function on this ATM port.
When enabled
on DCE ports, the port will actively transmit polls and
monitor
responses in order to determine the operational status of
the port.
When enabled for DTE ports, the port will passively
monitor polls to
determine the operational status of the port."
::= { lportIlmiEntry 3 }

lportIlmiDteScreenMode OBJECT-TYPE

```

```

SYNTAX INTEGER {
    nodePrefix (1),
    portPrefix (2),
    nodePrefixOrPortPrefix (3),
    rejectAll (127),
    acceptAll (255)
}
MAX-ACCESS    read-write
STATUS current
DESCRIPTION
    "The type of screening, if any, to apply against dynamic
prefixes
    received from the peer ILMI entity at this ATM DTE port."
::= { lportIlmiEntry 4 }

lportIlmiPollPeriod OBJECT-TYPE
    SYNTAX Integer32 (1..255)
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "If ILMI is enabled for this ATM port, the duration in
seconds that
        the ILMI poll is generated, if DCE, or monitored, if DTE.
The default
        value is 5 seconds."
    ::= { lportIlmiEntry 5 }

lportIlmiLossThreshold OBJECT-TYPE
    SYNTAX Integer32 (1..255)
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "Link is considered down if response loss exceeds this
threshold.."
    ::= { lportIlmiEntry 6 }

lportIlmiValidVpiBits OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "Valid VPI header bits."
    ::= { lportIlmiEntry 7 }

lportIlmiValidVciBits OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current

```

```

        DESCRIPTION
            "Valid VCI header bits."
        ::= { lportIlmiEntry 8 }
lportIlmiFwdTD OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Forward Traffic Descriptor to specify QoS for ILMI channel
        on ATM UNI Direct and Virtual LPorts"
    ::= { lportIlmiEntry 9 }

lportIlmiRevTD OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Reverse Traffic Descriptor to specify QoS for ILMI channel
        on ATM UNI Direct and Virtual LPorts"
    ::= { lportIlmiEntry 10 }

--
--  atmQoS Table
--

lportAtmQoSTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportAtmQoSEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        ""
    ::= { lportConfiguration 14 }

lportAtmQoSEntry OBJECT-TYPE
    SYNTAX LportAtmQoSEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        ""

    INDEX { switchIdIndex, lportIfIndex }
    ::= { lportAtmQoSTable 1 }

LportAtmQoSEntry ::=
    SEQUENCE {
        lportAtmQoSRowStatus
        RowStatus,
        lportAtmQoSModifyType
    }

```

```

    INTEGER,
    lportAtmQoS CbrBwAlloc
    Integer32,
    lportAtmQoS Vbr1BwAlloc
    Integer32,
    lportAtmQoS Vbr2BwAlloc
    Integer32,
    lportAtmQoS UbrBwAlloc
    Integer32,
    lportAtmQoS CbrRouteMetric
    INTEGER,
    lportAtmQoS Vbr1RouteMetric
    INTEGER,
    lportAtmQoS Vbr2RouteMetric
    INTEGER,
    lportAtmQoS UbrRouteMetric
    INTEGER,
    lportAtmQoS CbrBwOversub
    Integer32,
    lportAtmQoS Vbr1BwOversub
    Integer32,
    lportAtmQoS Vbr2BwOversub
    Integer32,
    lportAtmQoS UbrBwOversub
    Integer32,
    lportAtmQoS IsCbrDynamic
    INTEGER,
    lportAtmQoS IsVbrRTDynamic
    INTEGER,
    lportAtmQoS IsVbrNRTDynamic
    INTEGER,
    lportAtmQoS IsUbrDynamic
    INTEGER
    }

```

lportAtmQoSRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not made active by client.

notReady(3) - Row has been created but contains ?holes?, waiting for client to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { lportAtmQoSEntry 1 }

lportAtmQoSModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { lportAtmQoSEntry 2 }

lportAtmQoS CbrBwAlloc OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-only

STATUS current

DESCRIPTION " Constant bit rate (CBR) bandwidth allocation for atm lport.

Accessible only when lportAtmQoSIsCbrDynamic is set to false.

Value ranges from 0 to 100 in percent."

::= { lportAtmQoSEntry 3 }

lportAtmQoS Vbr1BwAlloc OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION " Variable bit rate (VBR) real time bandwidth allocation for atm lport.

Accessible only when lportAtmQoSIsVbrRTDynamic is set to false.

Value ranges from 0 to 100 in percent."

::= { lportAtmQoSEntry 4 }

lportAtmQoS Vbr2BwAlloc OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Variable bit rate (VBR) non-real time bandwidth allocation for atm lport.

Accessible only when lportAtmQoSIsVbrNRTDynamic is set to false.

Value ranges from 0 to 100 in percent."

::= { lportAtmQoSEntry 5 }

```

lportAtmQoSUbrBwAlloc OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Unspecified bit rate (UBR) bandwidth allocation for
atm lport.
        Accessible only when lportAtmQoSIsUbrRTDynamic is set to
false.
        Value ranges from 0 to 100 in percent."
    ::= { lportAtmQoSEntry 6 }

```

```

lportAtmQoS CabrRouteMetric OBJECT-TYPE
    SYNTAX INTEGER {
        adminCost (1),
        endToEndDelay (2),
        cellDelayVariation (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Routing metric associated with CBR."
    ::= { lportAtmQoSEntry 7 }

```

```

lportAtmQoS Vbr1RouteMetric OBJECT-TYPE
    SYNTAX INTEGER {
        administrativeCost (1),
        endToEndDelay (2),
        cellDelayVariation (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Routing metric associated with QoS VBR (real time)."
    ::= { lportAtmQoSEntry 8 }

```

```

lportAtmQoS Vbr2RouteMetric OBJECT-TYPE
    SYNTAX INTEGER {
        administrativeCost (1),
        endToEndDelay (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Routing metric associated with QoS VBR (non-real
time)."
    ::= { lportAtmQoSEntry 9 }

```

```

lportAtmQoS UbrRouteMetric OBJECT-TYPE
    SYNTAX INTEGER {
        administrativeCost (1),

```

```

        endToEndDelay (2)
    }
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION "Routing metric associated with QoS UBR."
    ::= { lportAtmQoSEntry 10 }

lportAtmQoS CbrBwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-only
    STATUS current
    DESCRIPTION " Constant bit rate (CBR) bandwidth oversubscription"
    ::= { lportAtmQoSEntry 11 }

lportAtmQoS Vbr1BwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION " Variable bit rate (VBR) real time bandwidth
oversubscription. "
    ::= { lportAtmQoSEntry 12 }

lportAtmQoS Vbr2BwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION "Variable bit rate (VBR) non-real time bandwidth
oversubscription. "
    ::= { lportAtmQoSEntry 13 }

lportAtmQoS UbrBwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION " Unspecified bit rate (UBR) bandwidth
oversubscription."
    ::= { lportAtmQoSEntry 14 }

lportAtmQoS IsCbrDynamic OBJECT-TYPE
    SYNTAX INTEGER {
        false(1),
        true(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " "
    ::= { lportAtmQoSEntry 15 }

```

lportAtmQoSIsVbrRTDynamic OBJECT-TYPE

SYNTAX INTEGER {
 false(1),
 true(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION " "
::= { lportAtmQoSEntry 16 }

lportAtmQoSIsVbrNRTDynamic OBJECT-TYPE

SYNTAX INTEGER {
 false(1),
 true(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION " "
::= { lportAtmQoSEntry 17 }

lportAtmQoSIsUbrDynamic OBJECT-TYPE

SYNTAX INTEGER {
 false(1),
 true(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION " "
::= { lportAtmQoSEntry 18 }

--

-- frQoS Table

--

lportFrQoSTable OBJECT-TYPE

SYNTAX SEQUENCE OF LportFrQoSEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 ""
::= { lportConfiguration 15 }

lportFrQoSEntry OBJECT-TYPE

SYNTAX LportFrQoSEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 ""

```
INDEX { switchIdIndex, lportIfIndex }  
 ::= { lportFrQoSTable 1 }
```

```
LportFrQoSEntry ::=  
  SEQUENCE {  
    lportFrQoSRowStatus  
      RowStatus,  
    lportFrQoSModifyType  
      INTEGER,  
    lportFrCfrBwAlloc  
      Integer32,  
    lportFrVfrRtBwAlloc  
      Integer32,  
    lportFrVfrNRtBwAlloc  
      Integer32,  
    lportFrUfrBwAlloc  
      Integer32,  
    lportFrCfrRouteMetric  
      INTEGER,  
    lportFrVfrRtRouteMetric  
      INTEGER,  
    lportFrVfrNRtRouteMetric  
      INTEGER,  
    lportFrUfrRouteMetric  
      INTEGER,  
    lportFrCfrBwOversub  
      Integer32,  
    lportFrVfrRtBwOversub  
      Integer32,  
    lportFrVfrNRtBwOversub  
      Integer32,  
    lportFrUfrBwOversub  
      Integer32,  
    lportFrIsCfrDynamic  
      INTEGER,  
    lportFrIsVfrRTDynamic  
      INTEGER,  
    lportFrIsVfrNRTDynamic  
      INTEGER,  
    lportFrIsUfrDynamic  
      INTEGER  
  }
```

```
lportFrQoSRowStatus OBJECT-TYPE  
  SYNTAX RowStatus  
  MAX-ACCESS read-write  
  STATUS current  
  DESCRIPTION
```

"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but not
made active by client.
notReady(3) - Row has been created but contains ?holes?, waiting
for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { lportFrQoSEntry 1 }

lportFrQoSModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { lportFrQoSEntry 2 }

lportFrCfrBwAlloc OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "const frame rate (CFR) bandwidth allocation for Fr
lport.
Accessible only when lportFrIsCfrDynamic is set to
false.Value ranges from 0 to 100 in percent."
::= { lportFrQoSEntry 3 }

lportFrVfrRtBwAlloc OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION " Variable frame rate (VFR) real time bandwidth
allocation
for Fr lport.Accessible only when lportFrIsVfrRTDynamic
is setto false.Value ranges from 0 to 100 in percent."
::= { lportFrQoSEntry 4 }

lportFrVfrNRtBwAlloc OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write

STATUS current
 DESCRIPTION "Variable frame rate(VFR) non-real time bandwidth allocation
 for Fr lport.Accessible only when lportFrIsVfrNRDynamic is set to false.Value ranges from 0 to 100 in percent."
 ::= { lportFrQoSEntry 5 }

lportFrUfrBwAlloc OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION " Unspecified frame rate (UFR) bandwidth allocation for Fr
 lport.Accessible only when lportFrIsUfrRTDynamic is set to false. Value ranges from 0 to 100 in percent."
 ::= { lportFrQoSEntry 6 }

lportFrCfrRouteMetric OBJECT-TYPE
 SYNTAX INTEGER {
 administrativeCost (1),
 endToEndDelay (2),
 cellDelayVariation (3)
 }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "Routing metric associated with QoS CFR ."
 ::= { lportFrQoSEntry 7 }

lportFrVfrRtRouteMetric OBJECT-TYPE
 SYNTAX INTEGER {
 administrativeCost (1),
 endToEndDelay (2),
 cellDelayVariation (3)
 }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "Routing metric associated with QoS VFR (real time)."
 ::= { lportFrQoSEntry 8 }

lportFrVfrNRtRouteMetric OBJECT-TYPE
 SYNTAX INTEGER {
 administrativeCost (1),
 endToEndDelay (2)
 }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "Routing metric associated with QoS VFR (non-real time)."
 ::= { lportFrQoSEntry 9 }

```

::= { lportFrQoSEntry 9 }

lportFrUfrRouteMetric OBJECT-TYPE
    SYNTAX INTEGER {
        administrativeCost (1),
        endToEndDelay (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Routing metric associated with QoS UFR."
    ::= { lportFrQoSEntry 10 }

lportFrCfrBwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Constant frame rate (CFR) bandwidth
oversubscription."
    ::= { lportFrQoSEntry 11 }

lportFrVfrRtBwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Variable frame rate (VFR) real time bandwidth
oversubscri-
        ption. "
    ::= { lportFrQoSEntry 12 }

lportFrVfrNRtBwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Variable frame rate (VFR) non-real time bandwidth
oversubscription. "
    ::= { lportFrQoSEntry 13 }

lportFrUfrBwOversub OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Unspecified frame rate (UFR) bandwidth
oversubscription."
    ::= { lportFrQoSEntry 14 }

lportFrIsCfrDynamic OBJECT-TYPE
    SYNTAX INTEGER {
        false(1),

```

```

        true(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " "
    ::= { lportFrQoSEntry 15 }

lportFrIsVfrRTDynamic OBJECT-TYPE
    SYNTAX INTEGER {
        false(1),
        true(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " "
    ::= { lportFrQoSEntry 16 }

lportFrIsVfrNRTDynamic OBJECT-TYPE
    SYNTAX INTEGER {
        false(1),
        true(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " "
    ::= { lportFrQoSEntry 17 }

lportFrIsUfrDynamic OBJECT-TYPE
    SYNTAX INTEGER {
        false(1),
        true(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " "
    ::= { lportFrQoSEntry 18 }

--
-- lportSmDsTable - contains instances of Lport objects consisting of SMDS
-- attributes.
--

lportSmDsTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportSmDsEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "List of Lport entries containing SMDS attributes."

```

::= { lportConfiguration 4 }

lportSmadsEntry OBJECT-TYPE
SYNTAX LportSmadsEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "Group of ATM attributes."
INDEX {switchIdIndex , lportIfIndex }
::= { lportSmadsTable 1 }

LportSmadsEntry ::=
SEQUENCE {
 lportSmadsSmadsType
 INTEGER,
 lportSmadsSupportHeartBeatPoll
 INTEGER,
 lportSmadsHeartBeatPollInterval
 Integer32,
 lportSmadsHeartBeatPollINaThreshold
 Integer32,
 lportSmadsProtocolErrorChecking
 INTEGER,
 lportSmadsSmadsPduViolTcaFlag
 INTEGER,
 lportSmadsSmadsPduViolThresh
 Integer32,
 lportSmadsSsiLportIpAddress
 IpAddress,
 lportSmadsSsiLportIfIndex
 Integer32,
 lportSmadsPduViolThresh
 Integer32,
 lportSmadsRowStatus
 RowStatus,
 lportSmadsModifyType
 INTEGER
}

lportSmadsSmadsType OBJECT-TYPE
SYNTAX INTEGER {
 ssiDte(1),
 dxiSniDce(2),
 dxiSniDte(3),
 optimumTrunk(4),
 mgmtTrunk(5)
}
MAX-ACCESS read-write

STATUS current
DESCRIPTION "SMDS Connection Type (valid only if SMDS)"
::= { lportSmdsEntry 1}

lportSmdsSupportHeartBeatPoll OBJECT-TYPE
SYNTAX INTEGER {
 off(1),
 on(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Indicates whether this lport supports a heart beat poll"
::= { lportSmdsEntry 2}

lportSmdsHeartBeatPollInterval OBJECT-TYPE
SYNTAX Integer32 (1..40)
MAX-ACCESS read-write
STATUS current
DESCRIPTION "If heart beat poll is turned on, how long to wait between
polls (in seconds)"
::= { lportSmdsEntry 3}

lportSmdsHeartBeatPollINaThreshold OBJECT-TYPE
SYNTAX Integer32 (1..255)
MAX-ACCESS read-write
STATUS current
DESCRIPTION "How long to wait for a poll to be acknowledged before the
link is considered down"
::= { lportSmdsEntry 4}

lportSmdsProtocolErrorChecking OBJECT-TYPE
SYNTAX INTEGER {
 off(1),
 on(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Whether this lport supports SMDS protocol error checking"
::= { lportSmdsEntry 5}

lportSmdsSmdsPduViolTcaFlag OBJECT-TYPE
SYNTAX INTEGER {
 disabled (1),
 enabled (2)
}
MAX-ACCESS read-write

```

STATUS current
DESCRIPTION
    "This object defines the ability to enable and disable SMDS
    pdu violation traps on this logical port. This
functionality
    applies to the following logical port types:
    SMDS DXI/SNI DCE
    SMDS DXI/SNI DTE
    SMDS SSI DTE
    SMDS Optimum Trunk
    Direct Line Trunk
    The default value of this object is 'disabled'.
    "
::= { lportSmDsEntry 6}

lportSmDsSmDsPduViolThresh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "This object defines the SmDs pdu violation threshold for
this
        logical port. The allowable range of threshold values is
1-255.
        The default value of this object is '10'.
        "
    ::= { lportSmDsEntry 7 }

lportSmDsSsiLportIpAddress OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "Ip Address of the SSI Lport for SMDS DXI SNI DCE Lports."
    ::= { lportSmDsEntry 8}

lportSmDsSsiLportIfIndex OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "ifIndex of the SSI Lport for SMDS DXI SNI DCE Lports."
    ::= { lportSmDsEntry 9}

lportSmDsPduViolThresh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current

```

DESCRIPTION

"SMDS PDU violation threshold"

::= { lportSmdsEntry 11 }

lportSmdsRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not made active by client.

notReady(3) - Row has been created but contains ?holes?, waiting for client to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { lportSmdsEntry 12 }

lportSmdsModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { lportSmdsEntry 13 }

--

-- lportSvcSecurityScreenActionTable - contains information pertaining to

-- Svc security screen actions of an lport

--

lportSvcSecurityScreenActionTable OBJECT-TYPE

SYNTAX SEQUENCE OF LportSvcSecurityScreenActionEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

" List of lport's svc security screen action attributes"

::= { lportConfiguration 9 }

lportSvcSecurityScreenActionEntry OBJECT-TYPE

SYNTAX LportSvcSecurityScreenActionEntry

MAX-ACCESS not-accessible

STATUS current
DESCRIPTION
" entry for lport's svc security screen action attributes"

INDEX { switchIdIndex , lportIfIndex }
::= { lportSvcSecurityScreenActionTable 1 }

LportSvcSecurityScreenActionEntry ::=

SEQUENCE {
 lportSvcSecurityScreenActionIngressScreenMode
 INTEGER,
 lportSvcSecurityScreenActionEgressScreenMode
 INTEGER,
 lportSvcSecurityScreenActionDefaultIngressScreenType
 INTEGER,
 lportSvcSecurityScreenActionDefaultEgressScreenType
 INTEGER,
 lportSvcSecurityScreenActionRowStatus
 RowStatus,
 lportSvcSecurityScreenActionModifyType
 INTEGER
}

lportSvcSecurityScreenActionIngressScreenMode OBJECT-TYPE
SYNTAX INTEGER {
 allScreens(1),
 defaultScreen(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"objects specifying whether all screens or only
default screen are use for the svc screening on
incoming calls"
::= { lportSvcSecurityScreenActionEntry 1 }

lportSvcSecurityScreenActionEgressScreenMode OBJECT-TYPE
SYNTAX INTEGER {
 allScreens(1),
 defaultScreen(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"object specifying whether all screens or only
default screen are use for the svc screening on
outgoing calls"

::= { lportSvcSecurityScreenActionEntry 2 }

lportSvcSecurityScreenActionDefaultIngressScreenType OBJECT-TYPE

SYNTAX INTEGER {

pass(1),

block(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"object specifying the default action for
ingress screen"

::= { lportSvcSecurityScreenActionEntry 3 }

lportSvcSecurityScreenActionDefaultEgressScreenType OBJECT-TYPE

SYNTAX INTEGER {

pass(1),

block(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"object specifying the default action for
egress screen"

::= { lportSvcSecurityScreenActionEntry 4 }

lportSvcSecurityScreenActionRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not
made active by client.

notReady(3)-Row has been created but contains ?holes?, waiting
for client to finish.

reateAndGo(4) - Not supported.

createAndWait(5) - Not supported. Row is populated in lport
creation.

destroy(6) - Not supported. Row is deleted when in lport
deletion."

::= { lportSvcSecurityScreenActionEntry 5 }

lportSvcSecurityScreenActionModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

```

        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
database.
        This value is re-set to normal after every transaction."
        DEFVAL {normal}
        ::= { lportSvcSecurityScreenActionEntry 6 }

--
-- lportSvcSecurityScreenTable - contains information pertaining to
-- Svc security screen members of an lport
--

lportSvcSecurityScreenTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportSvcSecurityScreenEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        " List of lport svc security screen  members' attributes"
    ::= { lportConfiguration 10}

lportSvcSecurityScreenEntry OBJECT-TYPE
    SYNTAX LportSvcSecurityScreenEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        " entry for lport svc security screen member attributes"
    INDEX { switchIdIndex , lportIfIndex,
networkSvcSecurityScreenNameIndex }
    ::= { lportSvcSecurityScreenTable 1}

LportSvcSecurityScreenEntry ::=
    SEQUENCE {
        lportSvcSecurityScreenAdminStatus
            INTEGER ,
        lportSvcSecurityScreenRowStatus
            RowStatus,
        lportSvcSecurityScreenModifyType
            INTEGER
    }

lportSvcSecurityScreenAdminStatus OBJECT-TYPE
    SYNTAX INTEGER {
        active (1),
        inactive(2)
    }
    MAX-ACCESS read-write

```

STATUS current
DESCRIPTION
"object specifying if the screen is active"
::= { lportSvcSecurityScreenEntry 1 }

lportSvcSecurityScreenRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but not
made active by client.
notReady(3) - Row has been created but contains holes, waiting
for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { lportSvcSecurityScreenEntry 2 }

lportSvcSecurityScreenModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every trans."
DEFVAL {normal}
::= { lportSvcSecurityScreenEntry 3 }

--
-- Switch table - contains information pertaining to the managed switch
node.
--

switchTable OBJECT-TYPE
SYNTAX SEQUENCE OF SwitchEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Table of configurable information about the switch"
::= { node 1 }

switchEntry OBJECT-TYPE
SYNTAX SwitchEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "Entry of configurable information about the switch"
INDEX { switchIdIndex }
::= { switchTable 1 }

SwitchEntry ::=

```
SEQUENCE {
    switchName
        DisplayString,
    switchType
        INTEGER,
    switchLocation
        DisplayString,
    switchPhoneNumber
        DisplayString,
    switchContact
        DisplayString,
    switchRerouteDelay
        Integer32,
    switchRerouteCount
        Integer32,
    switchTelnetSessionState
        INTEGER,
    switchConsoleIdleTimeout
        Integer32,
    switchSendHostRoutes
        INTEGER ,
    switchEthernetIpMask
        IpAddress,
    switchEthernetIpAddress
        IpAddress,
    switchRipState
        INTEGER,
    switchLoadBalancingAlgorithm
        INTEGER,
    switchRowStatus
        RowStatus,
    switchModifyType
        INTEGER,
    switchSwRev
        DisplayString
}
```

switchName OBJECT-TYPE

SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Name assigned to switch."
::= {switchEntry 1}

switchType OBJECT-TYPE
 SYNTAX INTEGER {
 stdx3000 (1),
 stdx6000 (2),
 stdx9000 (3),
 stdx8000 (4),
 cbx500 (8)
 }
 MAX-ACCESS read-only
 STATUS current
 DESCRIPTION
 " switch type"
 ::= { switchEntry 2 }

switchLocation OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "Physical Location of the switch."
 ::= {switchEntry 3}

switchPhoneNumber OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "Contact phone number."
 ::= {switchEntry 4}

switchContact OBJECT-TYPE
 SYNTAX DisplayString
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "Contact person for this switch."
 ::= {switchEntry 5}

switchRerouteDelay OBJECT-TYPE
 SYNTAX Integer32 (1..32767)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION "Represents the rate (in seconds) at
 which each card polls the VCs for a better route."
 ::= {switchEntry 6}

```

switchRerouteCount OBJECT-TYPE
    SYNTAX Integer32 (0..64)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The number of circuits that can
        issue reroute requests in a single batch."
    ::= {switchEntry 7}

switchTelnetSessionState OBJECT-TYPE
    SYNTAX INTEGER { disable(1),
        enable(3) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Remote telnet session enabled/disabled, for
troubleshooting"
    ::= {switchEntry 8}

switchConsoleIdleTimeout OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Console Timeout Value, auto logoff."
    ::= {switchEntry 9}

switchSendHostRoutes OBJECT-TYPE
    SYNTAX INTEGER { off(1),
        on(2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Enable/disable ability to send routes to gateway switch."
    ::= {switchEntry 10}

switchEthernetIpMask OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "IP routing mask."
    ::= {switchEntry 11}

switchEthernetIpAddress OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "IP address of switch."
    ::= {switchEntry 12}

switchRipState OBJECT-TYPE

```

SYNTAX INTEGER { off(1),
on(2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Gateway RIP protocol enabled/disabled."
::= { switchEntry 13 }

switchLoadBalancingAlgorithm OBJECT-TYPE

SYNTAX INTEGER { negpos(1),
negneg(2),
pospos(3),
disabled(4) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Allow switch to route circuit to path that allows
more bandwidth."
::= { switchEntry 14 }

switchRowStatus OBJECT-TYPE

SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but
not made active by client.
notReady(3) - Not supported.
createAndGo(4) - Not supported.
createAndWait(5) - Not supported.
destroy(6) - Not supported."
::= { switchEntry 15 }

switchModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL { normal }
::= { switchEntry 16 }

switchSwRev OBJECT-TYPE

SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION
" switch software revision"
::= { switchEntry 17 }

--ATM billing table for 500 switch

switchAtmBillingTable OBJECT-TYPE
SYNTAX SEQUENCE OF SwitchAtmBillingEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Table of configurable billing information about the 500 switch
ATM"
::= { node 2 }

switchAtmBillingEntry OBJECT-TYPE
SYNTAX SwitchAtmBillingEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Entry of configurable information about the 500 switch"
INDEX { switchIdIndex }
::= { switchAtmBillingTable 1 }

SwitchAtmBillingEntry ::=

SEQUENCE {
switchAtmBillingServerPrimaryIp
IpAddress,
switchAtmBillingServerSecondaryIp
IpAddress,
switchAtmBillingServerControl
INTEGER,
switchAtmBillingAcctControl
INTEGER,
switchAtmBillingAbrRecording
INTEGER,
switchAtmBillingCbrRecording
INTEGER,
switchAtmBillingUbrRecording
INTEGER,
switchAtmBillingVbrRecording
INTEGER,
switchAtmBillingCbrCellCounting
INTEGER,

```
switchAtmBillingOamCellCounting
    INTEGER,
switchAtmBillingRecordingUpdtInterval
    Integer32,
switchAtmBillingPvcRecordingPeriod
    Integer32,
switchAtmBillingRowStatus
    RowStatus,
switchAtmBillingModifyType
    INTEGER
}
```

```
switchAtmBillingServerPrimaryIp OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Applies to ATM 500 switch only."
    ::= { switchAtmBillingEntry 1 }
```

```
switchAtmBillingServerSecondaryIp OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Applies to ATM 500 switch only."
    ::= { switchAtmBillingEntry 2 }
```

```
switchAtmBillingServerControl OBJECT-TYPE
    SYNTAX INTEGER { primary (1), secondary (2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Applies to ATM 500 switch only."
    DEFVAL { primary }
    ::= { switchAtmBillingEntry 3 }
```

```
switchAtmBillingAcctControl OBJECT-TYPE
    SYNTAX INTEGER { disabled (1),
                    pvcEnabled (2),
                    svcEnabled (3),
                    enabled (4) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Applies to ATM 500 switch only."
    DEFVAL { disabled }
    ::= { switchAtmBillingEntry 4 }
```

```
switchAtmBillingAbrRecording OBJECT-TYPE
    SYNTAX INTEGER { disabled (1), enabled (3) }
    MAX-ACCESS read-write
```

STATUS current
DESCRIPTION "Applies to ATM 500 switch only."
DEFVAL { enabled }
::= {switchAtmBillingEntry 5}

switchAtmBillingCbrRecording OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (3) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to ATM 500 switch only."
DEFVAL { enabled }
::= {switchAtmBillingEntry 6}

switchAtmBillingUbrRecording OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (3) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to ATM 500 switch only."
DEFVAL { enabled }
::= {switchAtmBillingEntry 7}

switchAtmBillingVbrRecording OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (3) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to ATM 500 switch only."
DEFVAL { enabled }
::= {switchAtmBillingEntry 8}

switchAtmBillingCbrCellCounting OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (3) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to ATM 500 switch only."
DEFVAL { enabled }
::= {switchAtmBillingEntry 9}

switchAtmBillingOamCellCounting OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to ATM 500 switch only."
DEFVAL { enabled }
::= {switchAtmBillingEntry 10}

switchAtmBillingRecordingUpdtInterval OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write

```

STATUS current
DESCRIPTION "Applies to ATM 500 switch only."
DEFVAL {5}
::= {switchAtmBillingEntry 11}

switchAtmBillingPvcRecordingPeriod OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Applies to ATM 500 switch only."
    DEFVAL {60}
    ::= {switchAtmBillingEntry 12}

switchAtmBillingRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized
        but not made active by client.
        notReady(3) - Not supported.
        createAndGo(4) - Not supported.
        createAndWait(5) - Not supported.
        destroy(6) - Not supported."
    ::= {switchAtmBillingEntry 13 }

switchAtmBillingModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { switchAtmBillingEntry 14 }

-- PnniNode parameters
pnniNodeTable OBJECT-TYPE
    SYNTAX SEQUENCE OF PnniNodeEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        " Table of configurable information about the pnniNode"

```

::= { node 6 }

pnniNodeEntry OBJECT-TYPE
SYNTAX PnniNodeEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
" Entry of configurable information about the pnniNode"
INDEX { switchIdIndex, pnniNodeIndex }
::= { pnniNodeTable 1 }

PnniNodeEntry ::=

SEQUENCE {
 pnniNodeRowStatus
 RowStatus,
 pnniNodeModifyType
 INTEGER,
 pnniNodeAdminStatus
 INTEGER,
 pnniNodeID
 DisplayString,
 pnniNodePnniToVnnReachability
 INTEGER,
 pnniNodeVnnToPnniReachability
 INTEGER,
 pnniNodeAddressBundle
 INTEGER
}

pnniNodeRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
 notInService(2) - Row has been created and
initialized but not made active by client.
 notReady(3) - Row has been created but contains
'holes', waiting for client to finish.
 createAndGo(4) - Not supported.
 createAndWait(5) - Client has requested new row,
PS is in process of building row.
 destroy(6) - Row has been destroyed by client."

::= {pnniNodeEntry 1 }

pnniNodeModifyType OBJECT-TYPE

```

SYNTAX INTEGER { normal(1),
                dbOnly(4),
                dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "By default, writes are stored to the database and the
switch.
    Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
    writes to the database and sets the Out of Sync flag in the
database.
    This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { pnniNodeEntry 2 }

pnniNodeAdminStatus OBJECT-TYPE
SYNTAX INTEGER { up (1),
                down (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "The administrative status of the pnniNode"
::= { pnniNodeEntry 3 }

pnniNodeID OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "pnniNodeID string that represents the PeerGroupLevel
            and PeerGroupID in hex, ex: 68abcd123, where 68 is the
            PeerGroupLevel and abcd123 is the PeerGroupID"
::= { pnniNodeEntry 4 }

pnniNodePnniToVnnReachability OBJECT-TYPE
SYNTAX INTEGER { enable (1),
                disable (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Indicates whether or not internal addresses known to VNN
    should be advertised within the PNNI domain"
DEFVAL { enable }
::= { pnniNodeEntry 5 }

pnniNodeVnnToPnniReachability OBJECT-TYPE
SYNTAX INTEGER { enable (1),
                disable (2) }

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Indicates whether or not internal addresses known to PNNI
 should be advertised within the VNN domain"
DEFVAL { enable }
::= { pnniNodeEntry 6 }

pnniNodeAddressBundle OBJECT-TYPE
 SYNTAX INTEGER { enable (1),
 disable (2) }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Indicates whether or not the Address should be bundled."
 DEFVAL { enable }
 ::= { pnniNodeEntry 7 }

-- Frame Relay Accounting & Billing Attributes for 8000 and 9000 switches

switchFrBillingTable OBJECT-TYPE
 SYNTAX SEQUENCE OF SwitchFrBillingEntry
 MAX-ACCESS not-accessible
 STATUS current
 DESCRIPTION
 "Table of configurable billing information Switch "
 ::= { node 4 }

switchFrBillingEntry OBJECT-TYPE
 SYNTAX SwitchFrBillingEntry
 MAX-ACCESS not-accessible
 STATUS current
 DESCRIPTION
 "Entry of configurable billing information about the switch"
 INDEX { switchIdIndex }
 ::= { switchFrBillingTable 1 }

SwitchFrBillingEntry ::=

```
SEQUENCE {
    switchFrBillingServerPrimaryIp
        IpAddress,
    switchFrBillingServerSecondaryIp
        IpAddress,
    switchFrBillingServerControl
        INTEGER,
    switchFrBillingAcctControl
```

```
    INTEGER,
    switchFrBillingAfrRecording
    INTEGER,
    switchFrBillingCfrRecording
    INTEGER,
    switchFrBillingUfrRecording
    INTEGER,
    switchFrBillingVfrRecording
    INTEGER,
    switchFrBillingRecordingUpdtInterval
    Integer32,
    switchFrBillingPvcRecordingPeriod
    Integer32,
    switchFrBillingRowStatus
    RowStatus,
    switchFrBillingModifyType
    INTEGER
}
```

```
switchFrBillingServerPrimaryIp OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Applies to 8000 and 9000 switch only."
    ::= {switchFrBillingEntry 1}
```

```
switchFrBillingServerSecondaryIp OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Applies to 8000 and 9000 switch only."
    ::= {switchFrBillingEntry 2}
```

```
switchFrBillingServerControl OBJECT-TYPE
    SYNTAX INTEGER { primary (1), secondary (2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Applies to 8000 and 9000 switch only."
    DEFVAL { primary }
    ::= {switchFrBillingEntry 3}
```

```
switchFrBillingAcctControl OBJECT-TYPE
    SYNTAX INTEGER { disabled (1),
                    pvcEnabled (2),
                    svcEnabled (3),
                    enabled (4) }
    MAX-ACCESS read-write
    STATUS current
```

DESCRIPTION "Applies to 8000 and 9000 switch only."
DEFVAL { disabled }
::= {switchFrBillingEntry 4}

switchFrBillingAfrRecording OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (3) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to 8000 and 9000 switch only."
DEFVAL { enabled }
::= {switchFrBillingEntry 5}

switchFrBillingCfrRecording OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (3) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to 8000 and 9000 switch only."
DEFVAL { enabled }
::= {switchFrBillingEntry 6}

switchFrBillingUfrRecording OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (3) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to 8000 and 9000 switch only."
DEFVAL { enabled }
::= {switchFrBillingEntry 7}

switchFrBillingVfrRecording OBJECT-TYPE
SYNTAX INTEGER { disabled (1), enabled (3) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to 8000 and 9000 switch only."
DEFVAL { enabled }
::= {switchFrBillingEntry 8}

switchFrBillingRecordingUpdtInterval OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Applies to 8000 and 9000 switch only."
DEFVAL {5}
::= {switchFrBillingEntry 9}

switchFrBillingPvcRecordingPeriod OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current

DESCRIPTION "Applies to 8000 and 9000 switch only."

DEFVAL {60}

::= {switchFrBillingEntry 10}

switchFrBillingRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized
but not made active by client.

notReady(3) - Not supported.

createAndGo(4) - Not supported.

createAndWait(5) - Not supported.

destroy(6) - Not supported."

::= {switchFrBillingEntry 11 }

switchFrBillingModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the
database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= {switchFrBillingEntry 12 }

-- end Switch Frame Relay accounting & Billing

--ReferenceTimeServer Table - Contains information about NTPRefTimeServer

refTimeServerTable OBJECT-TYPE

SYNTAX SEQUENCE OF RefTimeServerTableEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This Table contains information on ReferenceTimeServers
configured on a switch"

::= { refTimeServer 1 }

refTimeServerIndex OBJECT-TYPE

SYNTAX IpAddress

MAX-ACCESS not-accessible

STATUS current
DESCRIPTION "The index for referenceTimeServerTable"
::= { refTimeServer 2 }

refTimeServerTableEntry OBJECT-TYPE
SYNTAX RefTimeServerTableEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "A list of attributes on a referenceTimeServer"

INDEX {switchIdIndex,
 refTimeServerIndex}

::= { refTimeServerTable 1 }

RefTimeServerTableEntry ::=

SEQUENCE {
 refTimeServerExtPollInterval
 INTEGER,
 refTimeServerLclPollInterval
 INTEGER,
 refTimeServerPreferredServer
 INTEGER,
 refTimeServerRowStatus
 RowStatus,
 refTimeServerModifyType
 INTEGER
}

refTimeServerExtPollInterval OBJECT-TYPE
SYNTAX INTEGER{
 rtsExtPollInterval16sec (4),
 rtsExtPollInterval32sec (5),
 rtsExtPollInterval1min4sec (6),
 rtsExtPollInterval2min8sec (7),
 rtsExtPollInterval4min16sec (8),
 rtsExtPollInterval8min32sec (9),
 rtsExtPollInterval17min4sec (10),
 rtsExtPollInterval34min8sec (11),
 rtsExtPollInterval1hr8min16sec (12),
 rtsExtPollInterval2hr16min32sec (13),
 rtsExtPollInterval4hr33min4sec (14)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Reference Time Server External Poll Interval "

::= { refTimeServerTableEntry 1 }

refTimeServerLclPollInterval OBJECT-TYPE

SYNTAX INTEGER {
 rtsLclPollInterval16sec (4),
 rtsLclPollInterval32sec (5),
 rtsLclPollInterval1min4sec (6),
 rtsLclPollInterval2min8sec (7),
 rtsLclPollInterval4min16sec (8),
 rtsLclPollInterval8min32sec (9),
 rtsLclPollInterval17min4sec (10),
 rtsLclPollInterval34min8sec (11),
 rtsLclPollInterval1hr8min16sec (12),
 rtsLclPollInterval2hr16min32sec (13),
 rtsLclPollInterval4hr33min4sec (14)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Reference Time Server External Poll Interval "
::= { refTimeServerTableEntry 2 }

refTimeServerPreferredServer OBJECT-TYPE

SYNTAX INTEGER {
 no (1),
 yes (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Reference Time Server Preferred Server"
::= { refTimeServerTableEntry 3 }

refTimeServerRowStatus OBJECT-TYPE

SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Row status active(1) - Row is currently usable.
 notInService(2) - Row has been created and initialized but not
made active by client.
 notReady(3) - Row has been created but contains holes, waiting
for client to finish.
 createAndGo(4) - Not supported.
 createAndWait(5) - Create a new row.
 destroy(6) - Delete an existing row."
::= { refTimeServerTableEntry 4 }

```

refTimeServerModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { refTimeServerTableEntry 5 }

-- network CAC parameters
networkCACTable OBJECT-TYPE
    SYNTAX SEQUENCE OF NetworkCACEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "CAC information for the network"
    ::= { network 3 }

networkCACEntry OBJECT-TYPE
    SYNTAX NetworkCACEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "CAC attributes for a network."
    INDEX { networkIdIndex }
    ::= { networkCACTable 1 }

NetworkCACEntry ::=
    SEQUENCE {
        networkCACType
            INTEGER,
        networkCACVbrRealTime
            Integer32,
        networkCACVbrNonRealTime
            Integer32,
        networkCACCbrCdv
            Integer32,
        networkCACCbrAlpha
            Integer32,
        networkCACVbrRTCDv
            Integer32,
        networkCACVbrRTAlpha

```

Integer32,
networkCACPortScaleFactorOC3
Integer32,
networkCACPortScaleFactorDS3
Integer32,
networkCACPortScaleFactorE3
Integer32,
networkCACPortScaleFactorT1
Integer32,
networkCACPortScaleFactorOC12
Integer32,
networkCACUpperLimit1
Integer32,
networkCACScaleFactor1
Integer32,
networkCACMaxMbs1
Integer32,
networkCACUpperLimit2
Integer32,
networkCACScaleFactor2
Integer32,
networkCACMaxMbs2
Integer32,
networkCACUpperLimit3
Integer32,
networkCACScaleFactor3
Integer32,
networkCACMaxMbs3
Integer32,
networkCACUpperLimit4
Integer32,
networkCACScaleFactor4
Integer32,
networkCACMaxMbs4
Integer32,
networkCACUpperLimit5
Integer32,
networkCACScaleFactor5
Integer32,
networkCACMaxMbs5
Integer32,
networkCACUpperLimit6
Integer32,
networkCACScaleFactor6
Integer32,
networkCACMaxMbs6
Integer32,
networkCACUpperLimit7

```

        Integer32,
networkCACScaleFactor7
        Integer32,
networkCACMaxMbs7
        Integer32,
networkCACUpperLimit8
        Integer32,
networkCACScaleFactor8
        Integer32,
networkCACMaxMbs8
        Integer32,
networkCACUpperLimit9
        Integer32,
networkCACScaleFactor9
        Integer32,
networkCACMaxMbs9
        Integer32,
networkCACUpperLimit10
        Integer32,
networkCACScaleFactor10
        Integer32,
networkCACMaxMbs10
        Integer32,
networkCACRowStatus
        RowStatus,
networkCACModifyType
        INTEGER
    }

networkCACType OBJECT-TYPE
    SYNTAX INTEGER {
        cascade (1),
        customizeVbrRtNrtAbr (2),
        customizeVbrNrtAbr(3)
    }
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        " The CAC (Connection Admission Control) algorithm can be set
to either of
        2 algorithms:
        1. The Cascade default algorithm.
        2. A custom CAC algorithm where the bandwidth of both
VBRrt and VBRnrt
        circuits is customized."
    ::= { networkCACEntry 1}

networkCACVbrRealTime OBJECT-TYPE

```

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "VBR Real Time Cascade cell loss ratio objective "
DEFVAL {9}
::= { networkCACEntry 2}

networkCACVbrNonRealTime OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "VBR Non-Real Time Cascade cell loss ratio objective "
DEFVAL {6}
::= { networkCACEntry 3}

networkCACCBrcdv OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Cell delay variation objective (in microseconds)
for
QoSclass1 (CBR) used by the Cascade default CAC. "
DEFVAL {250}
::= { networkCACEntry 4}

networkCACCBrcAlpha OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The fraction of QoSClass1 (CBR) cells that can exceed
the
CDV objective used by the Cascade default CAC. A
value of
x indicates that only 1E-x of the Cells can exceed the
specified CDV objective "
DEFVAL {7}
::= { networkCACEntry 5}

networkCACVbrRTcdv OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Cell delay variation objective (in microseconds)
for
QoSclass2 (VBRrt) used by the Cascade default CAC. "
DEFVAL {250}
::= { networkCACEntry 6}

```

networkCACVbrRTAlpha OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The fraction of QoSClass2 (VBRrt) cells that can
exceed the
        CDV objective used by the Cascade default CAC. A
value of
        x indicates that only 1E-x of the Cells can exceed the
        specified CDV objective "
    DEFVAL {7}
    ::= { networkCACEntry 7}

networkCACPortScaleFactorOC3 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "OC3 port Scale factor used by the customized CAC. The
actual
        scale factor used is this value divided by 100 "
    DEFVAL {100}
    ::= { networkCACEntry 8}

networkCACPortScaleFactorDS3 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "DS3 port Scale factor used by the customized CAC. The
actual
        scale factor used is this value divided by 100 "
    DEFVAL {100}
    ::= { networkCACEntry 9}

networkCACPortScaleFactorE3 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "E3 port Scale factor used by the customized CAC. The
actual
        scale factor used is this value divided by 100 "
    DEFVAL {100}
    ::= { networkCACEntry 10}

networkCACPortScaleFactorT1 OBJECT-TYPE
    SYNTAX Integer32

```

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "T1 port Scale factor used by the customized CAC. The
actual
    scale factor used is this value divided by 100"
DEFVAL {100}
::= { networkCACEntry 11}

networkCACPortScaleFactorOC12 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "OC12 port Scale factor used by the customized CAC. The
actual
    scale factor used is this value divided by 100 "
DEFVAL {100}
::= { networkCACEntry 12}

networkCACUpperLimit1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Upper Limit of SCR range used by the customized CAC."
DEFVAL {0}
::= { networkCACEntry 13}

networkCACScaleFactor1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "The SCR Scale factor used by the customized CAC. The
actual
    scale factor used is formed by dividing over 100 to
account
    for lack of float definitions in MIBs"
DEFVAL {100}
::= { networkCACEntry 14}

networkCACMaxMbs1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " The Maximum MBS supported under the customized CAC. A

```

maximum
MBS value is configured for each range of SCR values.

When
a VC is being set-up, this value is compared to the VC's
MBS.
If the VC's MBS is higher, the circuit is rejected."
DEFVAL {0}
::= { networkCACEntry 15}

networkCACUpperLimit2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Upper Limit of SCR range used by the customized CAC."
DEFVAL {0}
::= { networkCACEntry 16}

networkCACScaleFactor2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The SCR Scale factor used by the customized CAC. The
actual
scale factor used is formed by dividing over 100 to
account
for lack of float definitions in MIBs"
DEFVAL {100}
::= { networkCACEntry 17}

networkCACMaxMbs2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" The Maximum MBS supported under the customized CAC. A
maximum
MBS value is configured for each range of SCR values.
When
a VC is being set-up, this value is compared to the VC's
MBS.
If the VC's MBS is higher, the circuit is rejected."
DEFVAL {0}
::= { networkCACEntry 18}

networkCACUpperLimit3 OBJECT-TYPE
SYNTAX Integer32

MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Upper Limit of SCR range used by the customized CAC."
DEFVAL {0}
::= { networkCACEntry 19}

networkCACScaleFactor3 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The SCR Scale factor used by the customized CAC. The
actual
 scale factor used is formed by dividing over 100 to
account
 for lack of float definitions in MIBs"
 DEFVAL {100}
 ::= { networkCACEntry 20}

networkCACMaxMbs3 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 " The Maximum MBS supported under the customized CAC. A
maximum
 MBS value is configured for each range of SCR values.
When
 a VC is being set-up, this value is compared to the VC's
MBS.
 If the VC's MBS is higher, the circuit is rejected."
 DEFVAL {0}
 ::= { networkCACEntry 21}

networkCACUpperLimit4 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Upper Limit of SCR range used by the customized CAC."
 DEFVAL {0}
 ::= { networkCACEntry 22}

networkCACScaleFactor4 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current

DESCRIPTION
 "The SCR Scale factor used by the customized CAC. The
 actual
 scale factor used is formed by dividing over 100 to
 account
 for lack of float definitions in MIBs"
 DEFVAL {100}
 ::= { networkCACEntry 23}

networkCACMaxMbs4 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 " The Maximum MBS supported under the customized CAC. A
 maximum
 MBS value is configured for each range of SCR values.
 When
 a VC is being set-up, this value is compared to the VC's
 MBS.
 If the VC's MBS is higher, the circuit is rejected."
 DEFVAL {0}
 ::= { networkCACEntry 24}

networkCACUpperLimit5 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Upper Limit of SCR range used by the customized CAC."
 DEFVAL {0}
 ::= { networkCACEntry 25}

networkCACScaleFactor5 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The SCR Scale factor used by the customized CAC. The
 actual
 scale factor used is formed by dividing over 100 to
 account
 for lack of float definitions in MIBs"
 DEFVAL {100}
 ::= { networkCACEntry 26}

networkCACMaxMbs5 OBJECT-TYPE
 SYNTAX Integer32

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " The Maximum MBS supported under the customized CAC. A
maximum
    MBS value is configured for each range of SCR values.
When
    a VC is being set-up, this value is compared to the VC's
MBS.
    If the VC's MBS is higher, the circuit is rejected."
DEFVAL {0}
::= { networkCACEntry 27}

networkCACUpperLimit6 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Upper Limit of SCR range used by the customized CAC."
DEFVAL {0}
::= { networkCACEntry 28}

networkCACScaleFactor6 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "The SCR Scale factor used by the customized CAC. The
actual
    scale factor used is formed by dividing over 100 to
account
    for lack of float definitions in MIBs"
DEFVAL {100}
::= { networkCACEntry 29}

networkCACMaxMbs6 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " The Maximum MBS supported under the customized CAC. A
maximum
    MBS value is configured for each range of SCR values.
When
    a VC is being set-up, this value is compared to the VC's
MBS.
    If the VC's MBS is higher, the circuit is rejected."
DEFVAL {0}

```

```

::= { networkCACEntry 30}

networkCACUpperLimit7 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Upper Limit of SCR range used by the customized CAC."
    DEFVAL {0}
    ::= { networkCACEntry 31}

networkCACScaleFactor7 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The SCR Scale factor used by the customized CAC. The
actual
        scale factor used is formed by dividing over 100 to
account
        for lack of float definitions in MIBs"
    DEFVAL {100}
    ::= { networkCACEntry 32}

networkCACMaxMbs7 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " The Maximum MBS supported under the customized CAC. A
maximum
        MBS value is configured for each range of SCR values.
When
        a VC is being set-up, this value is compared to the VC's
MBS.
        If the VC's MBS is higher, the circuit is rejected."
    DEFVAL {0}
    ::= { networkCACEntry 33}

networkCACUpperLimit8 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Upper Limit of SCR range used by the customized CAC."
    DEFVAL {0}
    ::= { networkCACEntry 34}

```

```

networkCACScaleFactor8 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The SCR Scale factor used by the customized CAC. The
actual
        scale factor used is formed by dividing over 100 to
account
        for lack of float definitions in MIBs"
    DEFVAL {100}
    ::= { networkCACEntry 35}

networkCACMaxMbs8 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " The Maximum MBS supported under the customized CAC. A
maximum
        MBS value is configured for each range of SCR values.
When
        a VC is being set-up, this value is compared to the VC's
MBS.
        If the VC's MBS is higher, the circuit is rejected."
    DEFVAL {0}
    ::= { networkCACEntry 36}

networkCACUpperLimit9 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Upper Limit of SCR range used by the customized CAC."
    DEFVAL {0}
    ::= { networkCACEntry 37}

networkCACScaleFactor9 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The SCR Scale factor used by the customized CAC. The
actual
        scale factor used is formed by dividing over 100 to
account
        for lack of float definitions in MIBs"
    DEFVAL {100}

```

```

::= { networkCACEntry 38}

networkCACMaxMbs9 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " The Maximum MBS supported under the customized CAC. A
maximum
        MBS value is configured for each range of SCR values.
When
        a VC is being set-up, this value is compared to the VC's
MBS.
        If the VC's MBS is higher, the circuit is rejected."
    DEFVAL {0}
    ::= { networkCACEntry 39}

networkCACUpperLimit10 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Upper Limit of SCR range used by the customized CAC."
    DEFVAL {0}
    ::= { networkCACEntry 40}

networkCACScaleFactor10 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The SCR Scale factor used by the customized CAC. The
actual
        scale factor used is formed by dividing over 100 to
account
        for lack of float definitions in MIBs"
    DEFVAL {100}
    ::= { networkCACEntry 41}

networkCACMaxMbs10 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " The Maximum MBS supported under the customized CAC. A
maximum
        MBS value is configured for each range of SCR values.
When

```

a VC is being set-up, this value is compared to the VC's MBS.

If the VC's MBS is higher, the circuit is rejected."

DEFVAL {0}

::= { networkCACEntry 42}

networkCACRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not made active by client.

notReady(3) - Row has been created but contains ?holes?, waiting for client to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { networkCACEntry 43}

networkCACModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { networkCACEntry 44}

--

-- Close User Group Table -contains information pertaining to the CUG

--

networkCUGTable OBJECT-TYPE

SYNTAX SEQUENCE OF NetworkCUGEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Contains Closed User Groups in a network."

::= { network 6 }

networkCUGEntry OBJECT-TYPE

SYNTAX NetworkCUGEntry

MAX-ACCESS not-accessible

```

STATUS current
DESCRIPTION
    "Entry representing information about the CUG"
INDEX {networkIdIndex, networkCUGNameIndex}
::= { networkCUGTable 1 }

NetworkCUGEntry ::=
    SEQUENCE {
        networkCUGRowStatus
            RowStatus,
        networkCUGModifyType
            INTEGER
    }
networkCUGRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but
        not made active by client.
        notReady(3) - Row has been created but contains holes,
        waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { networkCUGEntry 1 }

networkCUGModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { networkCUGEntry 2 }

--
-- Close User Group Member Rule Table -contains information pertaining
-- to the CUG member rule
--

```

```

networkCUGMemberRuleTable OBJECT-TYPE
    SYNTAX SEQUENCE OF NetworkCUGMemberRuleEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Contains Closed User Groups member rules in a network."
    ::= { network 8 }

networkCUGMemberRuleEntry OBJECT-TYPE
    SYNTAX NetworkCUGMemberRuleEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Entry representing information about the CUGMemberRule"
    INDEX {networkIdIndex, networkCUGMemberRuleNameIndex}
    ::= { networkCUGMemberRuleTable 1 }

NetworkCUGMemberRuleEntry ::=
    SEQUENCE {
        networkCUGMemberRuleName
            DisplayString,
        networkCUGMemberRuleValue
            DisplayString,
        networkCUGMemberRuleMemberType
            INTEGER,
        networkCUGMemberRuleIncomingAccess
            INTEGER,
        networkCUGMemberRuleOutgoingAccess
            INTEGER,
        networkCUGMemberRuleRowStatus
            RowStatus,
        networkCUGMemberRuleModifyType
            INTEGER
    }

networkCUGMemberRuleName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "string name of the CUG member rule"
    ::= {networkCUGMemberRuleEntry 1}

networkCUGMemberRuleValue OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "regular expression representing the rule.
        The attribute cannot be modified after creation."

```

```

::= {networkCUGMemberRuleEntry 2}

networkCUGMemberRuleMemberType OBJECT-TYPE
    SYNTAX INTEGER {e164(1), aesa(2)}
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "svc address type of the rule. The attribute cannot be
        modified after creation."
    ::= {networkCUGMemberRuleEntry 3}

networkCUGMemberRuleIncomingAccess OBJECT-TYPE
    SYNTAX INTEGER {no(1), yes(2)}
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "whether or not allow incoming access"
    ::= {networkCUGMemberRuleEntry 4}

networkCUGMemberRuleOutgoingAccess OBJECT-TYPE
    SYNTAX INTEGER {no(1), yes(2)}
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "whether or not allow outgoing access"
    ::= {networkCUGMemberRuleEntry 5}

networkCUGMemberRuleRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains ?holes?,
        waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { networkCUGMemberRuleEntry 6 }

networkCUGMemberRuleModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the

```

```

database.
    This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { networkCUGMemberRuleEntry 7 }

--
-- Close User Group Member Table -contains member rules associated with a
CUG
--
networkCUGMemberTable OBJECT-TYPE
    SYNTAX SEQUENCE OF NetworkCUGMemberEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Contains CUG rule members in a CUG."
    ::= { network 9 }

networkCUGMemberEntry OBJECT-TYPE
    SYNTAX NetworkCUGMemberEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Entry representing information about the CUGMember"
    INDEX {networkIdIndex, networkCUGNameIndex,
networkCUGMemberRuleNameIndex}
    ::= { networkCUGMemberTable 1 }

NetworkCUGMemberEntry ::=
    SEQUENCE {
        networkCUGMemberIncomingCallBar
            INTEGER,
        networkCUGMemberOutgoingCallBar
            INTEGER,
        networkCUGMemberRowStatus
            RowStatus,
        networkCUGMemberModifyType
            INTEGER
    }

networkCUGMemberIncomingCallBar OBJECT-TYPE
    SYNTAX INTEGER {no(1), yes(2)}
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Incoming calls barred attribute"
    ::= {networkCUGMemberEntry 1}

networkCUGMemberOutgoingCallBar OBJECT-TYPE
    SYNTAX INTEGER {no(1), yes(2)}

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION "Outgoing calls barred attribute"
::= {networkCUGMemberEntry 2}

networkCUGMemberRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized
but not made active by client.
notReady(3) - Row has been created but contains holes,
waiting for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { networkCUGMemberEntry 3 }

networkCUGMemberModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { networkCUGMemberEntry 4 }

--
-- Network SVC Security Screen Table - contains information pertaining
-- to the Svc Security Screen
--

networkSvcSecurityScreenTable OBJECT-TYPE
SYNTAX SEQUENCE OF NetworkSvcSecurityScreenEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Contains Svc Security Screens in a network."
::= { network 10 }
networkSvcSecurityScreenEntry OBJECT-TYPE

```

SYNTAX NetworkSvcSecurityScreenEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
    "Entry representing information about the SvcSecurityScreen"
INDEX {networkIdIndex, networkSvcSecurityScreenNameIndex}
::= { networkSvcSecurityScreenTable 1 }

```

```

NetworkSvcSecurityScreenEntry ::=
SEQUENCE {
    networkSvcSecurityScreenId
        Integer32,
    networkSvcSecurityScreenCallDirection
        INTEGER,
    networkSvcSecurityScreenScreenType
        INTEGER,
    networkSvcSecurityScreenCallingAddressType
        INTEGER,
    networkSvcSecurityScreenCallingAddressAddress
        OCTET STRING,
    networkSvcSecurityScreenCallingSubAddressType
        INTEGER,
    networkSvcSecurityScreenCallingSubAddressAddress
        OCTET STRING,
    networkSvcSecurityScreenCalledAddressType
        INTEGER,
    networkSvcSecurityScreenCalledAddressAddress
        OCTET STRING,
    networkSvcSecurityScreenCalledSubAddressType
        INTEGER,
    networkSvcSecurityScreenCalledSubAddressAddress
        OCTET STRING,
    networkSvcSecurityScreenRowStatus
        RowStatus,
    networkSvcSecurityScreenModifyType
        INTEGER
}
networkSvcSecurityScreenId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        " integer id for the screen, as known to switch"
    ::= { networkSvcSecurityScreenEntry 1}

networkSvcSecurityScreenCallDirection OBJECT-TYPE
    SYNTAX INTEGER {
        ingress(1), -- incoming call screen

```

```

        egresss(2) -- outgoing call screen
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " direction for the screen"
    ::= { networkSvcSecurityScreenEntry 2}

networkSvcSecurityScreenScreenType OBJECT-TYPE
    SYNTAX INTEGER {
        pass(1),
        block(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " action to be taken on the call criteria for the screen"
    ::= { networkSvcSecurityScreenEntry 3}

networkSvcSecurityScreenCallingAddressType OBJECT-TYPE
    SYNTAX INTEGER {
        ignore(1),
        aesa(2),
        e164(4)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object specifies the addressing format. Supported
addressing formats
        are AESA, E.164. The screening can be disabled by setting
it to
        ignore."
    ::= { networkSvcSecurityScreenEntry 4}

networkSvcSecurityScreenCallingAddressAddress OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object specifies the calling party address to be
used by the security
        screen for matching."

    ::= { networkSvcSecurityScreenEntry 5}

networkSvcSecurityScreenCallingSubAddressType OBJECT-TYPE
    SYNTAX INTEGER {

```

```

        ignore(1),
        aesa(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object enables/disables the calling party subaddress
screening. Supported
        addressing format is AESA."
    ::= { networkSvcSecurityScreenEntry 6}

networkSvcSecurityScreenCallingSubAddressAddress OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object specifies the calling party subaddress to be
used by the security
        screen for matching."

    ::= { networkSvcSecurityScreenEntry 7}

networkSvcSecurityScreenCalledAddressType OBJECT-TYPE
    SYNTAX INTEGER {
        ignore(1),
        aesa(2),
        e164(4)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object specifies the addressing format. Supported
addressing formats
        are AESA, E.164. The screening can be disabled by setting
it to
        ignore."
    ::= { networkSvcSecurityScreenEntry 8}

networkSvcSecurityScreenCalledAddressAddress OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object specifies the called party address to be used
by the security
        screen for matching."

```

```

 ::= { networkSvcSecurityScreenEntry 9}

networkSvcSecurityScreenCalledSubAddressType OBJECT-TYPE
    SYNTAX INTEGER {
        ignore(1),
        aesa(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object enables/disables the called party subaddress
        screening. Supported addressing format is AESA."
    ::= { networkSvcSecurityScreenEntry 10}

networkSvcSecurityScreenCalledSubAddressAddress OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "This object specifies the called party subaddress to be
used
        by the security screen for matching."

    ::= { networkSvcSecurityScreenEntry 11}

networkSvcSecurityScreenRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but
not made active by client.
        notReady(3) - Row has been created but contains ?holes?,
waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { networkSvcSecurityScreenEntry 12 }

networkSvcSecurityScreenModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.

```

```

dbOnlySetOutOfSync sends
    writes to the database and sets the Out of Sync flag in the
database.
    This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { networkSvcSecurityScreenEntry 13 }

--
-- The Card Table - contains information pertaining to the card
-- objects resident on the managed switch nodes.
--

cardTable OBJECT-TYPE
    SYNTAX SEQUENCE OF CardEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Table representing information about all cards in the network"
    ::= { card 1 }

cardEntry OBJECT-TYPE
    SYNTAX CardEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Entry representing information about one card"
    INDEX { switchIdIndex, slotIdIndex }
    ::= { cardTable 1 }

CardEntry ::=
    SEQUENCE {
        cardDefinedType
            INTEGER,
        cardUioDefinedXface
            INTEGER,
        cardE1DefinedXface
            INTEGER,
        cardDsx1DefinedXface
            INTEGER,
        cardRedundSlotId
            Integer32,
        cardAdminStatus
            INTEGER,
        cardCapability
            INTEGER,
        cardExtClockSource

```

INTEGER,
cardAtmOc3Interface
INTEGER,
cardRowStatus
RowStatus,
cardModifyType
INTEGER,
cardAtmFcp
INTEGER,
cardCcrmProtocolId
Integer32,
cardBcmProtocolId
Integer32,
cardRmXmitInterval
Integer32,
cardIdleVcFactor
Integer32,
cardMultiDiscardThresh
Integer32,
cardIcrConst
Integer32,
cardMngVBRnrtTraffic
INTEGER,
cardStatsCapPeakClt
INTEGER,
cardStatsCapTotalClt
INTEGER,
cardStatsOperPeakClt
INTEGER,
cardStatsOperTotalClt
INTEGER,
cardStatsClntPeriod
Integer32,
cardPrimSysClockPort
Integer32,
cardSecSysClockPort
Integer32,
cardTpzOc3DefinedXface
INTEGER,
cardOc12DefinedXface
INTEGER,
cardVpCLP0CbrThresh
Integer32,
cardVpCLP01CbrThresh
Integer32,
cardVpCLP0VbrRtThresh
Integer32,
cardVpCLP01VbrRtThresh

```

        Integer32,
cardVpCLP0VbrNrtThresh
        Integer32,
cardVpCLP01VbrNrtThresh
        Integer32,
cardVpCLP0UAbThresh
        Integer32,
cardVpCLP01UAbThresh
        Integer32
    }

cardDefinedType OBJECT-TYPE
    SYNTAX INTEGER {
        cardTypeEmpty(1),
        cardType6PortV35(2),
        cardType1Port24ChanFractT1(3),
        cardType1Port30ChanFractE1(4),
        cardType6PortUio(5),
        cardTypeCp(6),
        cardTypeSp4(36),
        cardTypeSp8(37),
        cardType8PortUio(7),
        cardType4Port24ChanFractT1(8),
        cardType4Port30ChanFractE1(9),
        cardType1PortFractT3(10),
        --cardType1Port28ChanDs3 == cardType1PortFractT3
        cardType1PortFractE3 (11),
        cardType2PortHssi(12),
        cardType10PortDsx1(13),
        cardType18PortRs232(14),
        cardType8PortRs232(15),
        cardType4Port24ChanUnchanT1(16),
        cardType4Port30ChanUnchanE1(17),
        cardType1PortAtmDs3Uni(18),
        cardType1PortAtmE3Uni(19),
        cardType4Port24ChanPriT1(20),
        cardType4PortE1Pri(21),
        cardType4Port24ChanSHT1(22),
        cardType4Port24ChanSHUT1(23),
        cardType4PortSHPri(24),
        cardType8PortT1Atm(25),
        cardType8PortE1Atm(26),
        cardType1PortAtmIwuOc3(33),
        cardType8PortAtmDS3(27),
        cardType8PortE3AtmDS3(28),
        cardType1PortAtmCsDs3(38),
        cardType8PortE1(42),
        cardType8PortT1(41),

```

```

cardType4PortAtmOc3Stm1(34),
cardType1PortAtmOc12Stm4(39),
cardType12PortE1(44),
cardType1PortAtmCsE3(61),
cardType6PortDS3T3(53),
cardType12PortAtmE1(63),
cardType12PortAtmT1(64),
cardType1PortChanDs310(65),
cardTypeSp30(71),
cardTypeSp40(72)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Coded type for the card"
::= { cardEntry 1 }

```

```

cardUioDefinedXface OBJECT-TYPE
    SYNTAX INTEGER {
        eia449(1),
        x21(2),
        eia530(3),
        eia530a(4),
        v35(5),
        none(8),
        v24(9)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Defined Interface type, if this is a UIO card"
    ::= { cardEntry 2 }

```

```

cardE1DefinedXface OBJECT-TYPE
    SYNTAX INTEGER {
        typecoaxPair75ohm (6),
        type15Db120ohm (7),
        type8portE1CoaxPair75ohm (24),
        type8portE115Db120ohm (26)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Defined Interface type, if this is a E1 card"
    ::= { cardEntry 3}

```

```

cardDsx1DefinedXface OBJECT-TYPE
    SYNTAX INTEGER {
        typeRj48(141),
        type15Db120ohm(142)
    }

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION "Defined Interface type, if this is a Dsx1 card"
::= { cardEntry 4 }

cardRedundSlotId OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Slot used by a redundant card for this primary slot"
::= { cardEntry 5 }

cardAdminStatus OBJECT-TYPE
SYNTAX INTEGER {
 up(1),
 down(2),
 testing(3),
 redundBoot(4),
 marginal(5),
 maintenance(6)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The administrative status for the card."
::= { cardEntry 6 }

cardCapability OBJECT-TYPE
SYNTAX INTEGER {
 frameRelay(1),
 multiService(2),
 multiService16(3),
 cpbasic(4),
 cp30(5),
 cpplus(8),
 cp40(9),
 cp50(10)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Card capability"
::= { cardEntry 7 }

cardExtClockSource OBJECT-TYPE
SYNTAX INTEGER {
 primSys(1),
 secSys(2),
 prefSys(3),
 local(4),

```

        e1G703sec10(5),
        e1Network(6)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The rate of the card's external clock"
    ::= { cardEntry 8 }

cardAtmOc3Interface OBJECT-TYPE
    SYNTAX INTEGER {
        sonet(10),
        sdh(11)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "ATM interface type."
    ::= { cardEntry 9 }

cardRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains ?holes?,
        waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { cardEntry 10 }

cardModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL { normal }
    ::= { cardEntry 11 }

cardAtmFcp OBJECT-TYPE

```

SYNTAX INTEGER { disabled (1), enabled (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" ATM flow control processor, can be enabled or disabled. If
enabled cardCrmProtocolId,
cardBcmProtocolId,
cardRmXmitInterval,cardIdleVcFactor,cardMultiDiscardThresh, cardIcrConst
and cardMngVBRnrtTraffic can be accessed."
DEFVAL {disabled}
::= {cardEntry 12 }

cardCrmProtocolId OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" Accessible only when cardATmFcp is enabled."
::= {cardEntry 13 }

cardBcmProtocolId OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" Accessible only when cardATmFcp is enabled."
::= {cardEntry 14 }

cardRmXmitInterval OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" Accessible only when cardATmFcp is enabled."
::= {cardEntry 15 }

cardIdleVcFactor OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" Accessible only when cardATmFcp is enabled."
::= {cardEntry 16 }

cardMultiDiscardThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current

DESCRIPTION

" Accessible only when cardATmFcp is enabled."

::= {cardEntry 17 }

cardIcrConst OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" Accessible only when cardATmFcp is enabled."

::= {cardEntry 18 }

cardMngVBRnrtTraffic OBJECT-TYPE

SYNTAX INTEGER {

disabled(1),

enabled(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" Accessible only when cardATmFcp is enabled."

::= {cardEntry 19 }

cardStatsCapPeakClk OBJECT-TYPE

SYNTAX INTEGER {

disabled (1),

enabled (2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" Configures capability to collect peak 5-minute statistics.

Capability change takes effect upon IOM reboot."

::= {cardEntry 21 }

cardStatsCapTotalClk OBJECT-TYPE

SYNTAX INTEGER {

disabled (1),

enabled (2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Configures capability to collect total statistics.

Capability change takes effect upon IOM reboot."

::= {cardEntry 22 }

cardStatsOperPeakClk OBJECT-TYPE

```

SYNTAX INTEGER {
    disabled (1),
    enabled (2)
}
MAX-ACCESS    read-write
STATUS current
DESCRIPTION
"Reflects the operational state of the peak 5-minute
    statistic collection on an IOM. For this setting to be
    enabled, the respective capability must be enabled."
::= { cardEntry 23 }

cardStatsOperTotalClk OBJECT-TYPE
SYNTAX INTEGER {
    disabled (1),
    enabled (2)
}
MAX-ACCESS    read-write
STATUS current
DESCRIPTION
" Reflects the operational state of the total statistic
    collection on an IOM. For this setting to be enabled,
    the respective capability must be enabled."
::= { cardEntry 24 }

cardStatsClkPeriod OBJECT-TYPE
SYNTAX Integer32(15..1440)
MAX-ACCESS    read-write
STATUS current
DESCRIPTION
"Configures base collection period for bulk statistics
    on an IOM in minutes. Only the following values are
    allowed: 15, 20, 30, 60, 120, 180, 240, 360, 720, 1440.
    The default value is 60."
DEFVAL {60}
::= { cardEntry 25 }

cardPrimSysClockPort OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS    read-write
STATUS current
DESCRIPTION
" The port number (1-x) on the card that specifies the system
    primary clock source. A zero specifies no port"
::= { cardEntry 26 }

cardSecSysClockPort OBJECT-TYPE
SYNTAX Integer32

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The port number (1 to x) on the card that specifies the system
secondary clock source. A zero specifies no port"
::= { cardEntry 27 }

cardTpzOc3DefinedXface OBJECT-TYPE
SYNTAX INTEGER {
multiMode (2),
singleMode (6),
singleModeLongReach (9),
stm1Copper (39)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" Topaz OC3 defined interfaces "
::= { cardEntry 28 }

cardOc12DefinedXface OBJECT-TYPE
SYNTAX INTEGER {
singleMode (21),
singleModeLongReach (48)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" Topaz OC3 defined interfaces "
::= { cardEntry 29 }

cardVpCLP0CbrThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The CLP 0 threshold for CBR queues in the card. Once queue
length reaches this threshold, all CLP 1 cells are
discarded
until queue length falls below the threshold. "
DEFVAL {256}
::= { cardEntry 30 }

cardVpCLP01CbrThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"The maximum length of CBR queues in the card. Once queue length reaches this threshold, all cells are discarded until queue length falls below this threshold."

DEFVAL {128}
::= { cardEntry 31 }

cardVpCLP0VbrRtThresh OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"The CLP 0 threshold for VBR RT queues in the card. Once queue length reaches this threshold, all CLP 1 cells are discarded until queue length falls below the threshold. "

DEFVAL {1536}
::= { cardEntry 32 }

cardVpCLP01VbrRtThresh OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"The maximum length of VBR-RT queues in the card. Once queue length reaches this threshold, all cells are discarded until queue length falls below this threshold."

DEFVAL {1024}
::= { cardEntry 33 }

cardVpCLP0VbrNrtThresh OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"The CLP 0 threshold for VBR NRT queues in the card. Once queue length reaches this threshold, all CLP 1 cells are discarded until queue length falls below the threshold. "

DEFVAL {1536}
::= { cardEntry 34 }

cardVpCLP01VbrNrtThresh OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current

```

DESCRIPTION
    "The maximum length of VBR-NRT queues in the card. Once
queue
    length reaches this threshold, all cells are discarded
    until queue length falls below this threshold."
DEFVAL {1024}
::= { cardEntry 35 }

cardVpCLP0UAbrThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "The CLP 0 threshold for ABR/UBR queues in the card. Once
queue
    length reaches this threshold, all CLP 1 cells are
discarded
    until queue length falls below the threshold. "
::= { cardEntry 36 }

cardVpCLP01UAbrThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "The maximum length of UBR/ABR queues in the card. Once
queue
    length reaches this threshold, all cells are discarded
    until queue length falls below this threshold."
::= { cardEntry 37 }

--
-- This table is for binding a MLFRbundle lport to a MLFRMember lport.
--

mLFRBindingTable OBJECT-TYPE
SYNTAX SEQUENCE OF MLFRBindingEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
    "Table representing information about all mlfrbindings on a
    particular card"
::= { card 2 }

mLFRBindingEntry OBJECT-TYPE
SYNTAX MLFRBindingEntry
MAX-ACCESS not-accessible
STATUS current

```

DESCRIPTION

"Entry representing information about one MLFRBinding"

INDEX { switchIdIndex, lportIfIndex, lportIfIndex }

::= { mLFRBindingTable 1 }

MLFRBindingEntry ::=

SEQUENCE {
 mlfrBindingRowStatus
 RowStatus,
 mlfrBindingModifyType
 INTEGER
}

mlfrBindingRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"active(1) - Row is currently usable.
notInService(2) - Not supported.
notReady(3) - Row has been created but contains
holes, waiting for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."

::= { mLFRBindingEntry 1 }

mlfrBindingModifyType OBJECT-TYPE

SYNTAX INTEGER {normal(1), dbOnly(4), dbOnlySetOutOfSync(5)}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and
the switch. Set this to dbOnly to send writes only
to the database. dbOnlySetOutOfSync sends writes to
the database and sets the Out of Sync flag in the
database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { mLFRBindingEntry 2 }

--

-- The CardTca Table - contains TCA information pertaining to the IOM card

-- objects resident on the managed switch nodes.

--

cardTcaTable OBJECT-TYPE

SYNTAX SEQUENCE OF CardTcaEntry

```
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
    "Table representing TCA info about all the cards in the network"
 ::= { card 3 }
```

```
cardTcaEntry OBJECT-TYPE
    SYNTAX CardTcaEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Entry representing TCA information about one card"
    INDEX { switchIdIndex, slotIdIndex }
    ::= { cardTcaTable 1 }
```

```

CardTcaEntry ::=
SEQUENCE {

        cardTcaRowStatus
                RowStatus,
        cardTcaModifyType
                INTEGER,
        cardATMTcaEnable
                INTEGER,
        cardATMTcaInBufOverflowAlertPeriod
                Integer32,
        cardATMTcaInBufOverflowThresh
                Integer32,
        cardATMTcaInInvalidVpiVciAlertPeriod
                Integer32,
        cardATMTcaInInvalidVpiVciThresh
                Integer32,
        cardATMTcaSPEnable
                INTEGER,
        cardATMTcaSPPearlOCbrFailureAlertPeriod
                Integer32,
        cardATMTcaSPPearlOCbrThresh
                Integer32,
        cardATMTcaSPPearlOAbrrFailureAlertPeriod
                Integer32,
        cardATMTcaSPPearlOAbrrThresh
                Integer32,
        cardATMTcaSPPearlOVbr1FailureAlertPeriod
                Integer32,
        cardATMTcaSPPearlOVbr1Thresh
                Integer32,
        cardATMTcaSPPearlOVbr2FailureAlertPeriod
                Integer32,
        cardATMTcaSPPearlOVbr2Thresh
                Integer32
}

```

```

        Integer32,
cardATMTcaSPPearlGCbrFailureAlertPeriod
        Integer32,
cardATMTcaSPPearlGCbrThresh
        Integer32,
cardATMTcaSPPearlGAbrFailureAlertPeriod
        Integer32,
cardATMTcaSPPearlGAbrThresh
        Integer32,
cardATMTcaSPPearlGVbr1FailureAlertPeriod
        Integer32,
cardATMTcaSPPearlGVbr1Thresh
        Integer32,
cardATMTcaSPPearlGVbr2FailureAlertPeriod
        Integer32,
cardATMTcaSPPearlGVbr2Thresh
        Integer32
    }

```

cardTcaRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.
 notInService(2) - Row has been created and initialized but not
 made active by client.
 notReady(3) - Row has been created but contains ?holes?,
 waiting for client to finish.
 createAndGo(4) - Not supported.
 createAndWait(5) - Create new row.
 destroy(6) - Delete an existing row."
 ::= { cardTcaEntry 1 }

cardTcaModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.
 Set this to dbOnly to send writes only to the database.
 dbOnlySetOutOfSync sends
 writes to the database and sets the Out of Sync flag in the
 database.
 This value is re-set to normal after every transaction."
 DEFVAL {normal}
 ::= { cardTcaEntry 2 }

```

cardATMTcaEnable OBJECT-TYPE
    SYNTAX INTEGER {
        enable (1),
        disable (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca enable/disable."
    ::= { cardTcaEntry 3 }

cardATMTcaInBufOverflowAlertPeriod OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca ingress buffer overflow alert
        period (in min)."
```

```

    DEFVAL { 15 }
    ::= { cardTcaEntry 4 }

cardATMTcaInBufOverflowThresh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca ingress buffer overflow threshold."
```

```

    DEFVAL { 1 }
    ::= { cardTcaEntry 5 }

cardATMTcaInInvalidVpiVciAlertPeriod OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca ingress invalid vpi/vci alert
        period (in min)."
```

```

    DEFVAL { 15 }
    ::= { cardTcaEntry 6 }

cardATMTcaInInvalidVpiVciThresh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca ingress invalid vpi/vci threshold."
```

```

    DEFVAL { 1 }
    ::= { cardTcaEntry 7 }

```

```

cardATMTcaSPEnable OBJECT-TYPE
    SYNTAX INTEGER {
        enable (1),
        disable (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca SP enable/disable."
    ::= { cardTcaEntry 8 }

cardATMTcaSPPearlOCbrFailureAlertPeriod OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca sp pearl overflow CBR alert
        period (in min)."
```

```

    DEFVAL { 15 }
    ::= { cardTcaEntry 9 }

cardATMTcaSPPearlOCbrThresh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca sp pearl overflow CBR threshold."
    DEFVAL { 1 }
    ::= { cardTcaEntry 10 }

cardATMTcaSPPearlOAbrrFailureAlertPeriod OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca sp pearl overflow ABR alert
        period (in min)."
```

```

    DEFVAL { 15 }
    ::= { cardTcaEntry 11 }

cardATMTcaSPPearlOAbrrThresh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The atm tca sp pearl overflow ABR threshold."
    DEFVAL { 1 }

```

::= { cardTcaEntry 12 }

cardATMTcaSPPearlOVbr1FailureAlertPeriod OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl overflow VBR1 alert
period (in min)."

DEFVAL { 15 }

::= { cardTcaEntry 13 }

cardATMTcaSPPearlOVbr1Thresh OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl overflow VBR1 threshold."

DEFVAL { 1 }

::= { cardTcaEntry 14 }

cardATMTcaSPPearlOVbr2FailureAlertPeriod OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl overflow VBR2 alert
period (in min)."

DEFVAL { 15 }

::= { cardTcaEntry 15 }

cardATMTcaSPPearlOVbr2Thresh OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl overflow VBR2 threshold."

DEFVAL { 1 }

::= { cardTcaEntry 16 }

cardATMTcaSPPearlGCbrFailureAlertPeriod OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl congestion CBR alert
period (in min)."

DEFVAL { 15 }

::= { cardTcaEntry 17 }

cardATMTcaSPPearlGCbrThresh OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl congestion CBR threshold."

DEFVAL { 1 }

::= { cardTcaEntry 18 }

cardATMTcaSPPearlGAbrFailureAlertPeriod OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl congestion ABR alert
period (in min)."

DEFVAL { 15 }

::= { cardTcaEntry 19 }

cardATMTcaSPPearlGAbrThresh OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl congestion ABR threshold."

DEFVAL { 1 }

::= { cardTcaEntry 20 }

cardATMTcaSPPearlGVbr1FailureAlertPeriod OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl congestion VBR1 alert
period (in min)."

DEFVAL { 15 }

::= { cardTcaEntry 21 }

cardATMTcaSPPearlGVbr1Thresh OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl congestion VBR1 threshold."

DEFVAL { 1 }

::= { cardTcaEntry 22 }

cardATMTcaSPPearlGVbr2FailureAlertPeriod OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl congestion VBR2 alert
period (in min)."

DEFVAL { 15 }

::= { cardTcaEntry 23 }

cardATMTcaSPPearlGVbr2Thresh OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The atm tca sp pearl congestion VBR2 threshold."

DEFVAL { 1 }

::= { cardTcaEntry 24 }

--

-- The Physical Port table - contains information associated with the

-- card object physical ports.

--

pportTable OBJECT-TYPE

SYNTAX SEQUENCE OF PportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Table of Physical Port Entries"

::= { pport 1 }

pportEntry OBJECT-TYPE

SYNTAX PportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Entry of Physical Port Information"

INDEX {switchIdIndex, slotIdIndex, pportIdIndex }

::= { pportTable 1 }

PportEntry ::=

SEQUENCE {

pportDefinedType

INTEGER,

pportXmitClockSource

INTEGER,
pportBandwidth
Integer32,
pportAdminStatus
INTEGER,
pportZeroEncoding
INTEGER,
pportExtClockBackup
INTEGER,
pportConnType
INTEGER,
pportLineType
INTEGER,
pportDs1LineLength
INTEGER,
pportDs3LineLength
INTEGER,
pportDS1LineBuildOut
INTEGER,
pportLoopbackStatus
INTEGER,
pportAllocatedChannelCount
Integer32,
pportAllocatedChannels
Integer32,
pportChannelsInUse
Integer32,
pportDs3LineBuildOut
INTEGER,
pportChDs3LineBuildOut
INTEGER,
pportCellPayloadScramble
INTEGER,
pportAtmCbitParity
INTEGER,
pportAtmMaxBufferSize
Integer32,
pportDs3PlcpOptions
INTEGER,
pportAtmReceivedFeacStatus
Integer32,
pportAtmEfciMarking
INTEGER,
pportAtmPeakCellRates0
Integer32,
pportAtmPeakCellRates1
Integer32,
pportAtmPeakCellRates2

Integer32,
pportAtmPeakCellRates3
Integer32,
pportAtmPeakCellRates4
Integer32,
pportAtmPeakCellRates5
Integer32,
pportAtmPeakCellRates6
Integer32,
pportAtmPeakCellRates7
Integer32,
pportOpticalXmit
INTEGER,
pportAtmBIPErrThreshold
INTEGER,
pportAtmVPILength
Integer32,
pportAtmCircuitType
Integer32,
pportApplicationMode
INTEGER,
pportHecErrorCorrection
INTEGER,
pportRowStatus
RowStatus,
pportModifyType
INTEGER,
pportXmitMode
INTEGER,
pportAlarmFailure
Integer32,
pportAlarmClear
Integer32,
pportChDs3ChannelsInUse
Integer32,
pportT1LineCode
INTEGER,
pportE1LineCode
INTEGER,
pportInBandLineLoopBackCode
INTEGER,
pportT1LineBuildOut
INTEGER,
pportT1CircuitType
INTEGER,
pportMIBInterfaceNumber
Integer32,
pportRedundancy

```

        INTEGER,
    pportAtmTSPacingMode
        INTEGER,
    pportEffectiveBandwidth
        Integer32,
    pportMinNumT1s
        Integer32,
    pportMinNumE1s
        Integer32,
    pportIdleCellType
        INTEGER,
    pportDS3FeacLoopback
        INTEGER,
    pportT1FeacLoopback
        INTEGER,
    pportProtectionSlotId
        Integer32,
    pportProtectionPortId
        Integer32
}

```

pportDefinedType OBJECT-TYPE

```

SYNTAX INTEGER {
    pportTypeEmpty(1),
    pportType6PortV35(2),
    pportType1Port24ChanFractT1(3),
    pportType1Port30ChanFractE1(4),
    pportType6PortUio(5),
    pportTypeCp(6),
    pportTypeSp4(36),
    pportTypeSp8(37),
    pportType8PortUio(7),
    pportType4Port24ChanFractT1(8),
    pportType4Port30ChanFractE1(9),
    pportType1PortFractT3(10),
    --pportType1Port28ChanDs3 == pportType1PortFractT3
    pportType1PortFractE3 (11),
    pportType2PortHssi(12),
    pportType10PortDsx1(13),
    pportType18PortRs232(14),
    pportType8PortRs232(15),
    pportType4Port24ChanUnchanT1(16),
    pportType4Port30ChanUnchanE1(17),
    pportType1PortAtmDs3Uni(18),
    pportType1PortAtmE3Uni(19),
    pportType4Port24ChanPriT1(20),
    pportType4PortE1Pri(21),
    pportType4Port24ChanSHT1(22),

```

```

pportType4Port24ChanSHUT1(23),
pportType4PortSHPri(24),
pportType8PortT1Atm(25),
pportType8PortE1Atm(26),
pportType1PortAtmIwuOc3(33),
pportType8PortAtmDS3(27),
pportType8PortE3AtmDS3(28),
pportType1PortAtmCsDs3(38),
pportType8PortE1(42),
pportType8PortT1(41),
pportType4PortAtmOc3Stm1(34),
pportType1PortAtmOc12Stm4(39),
pportType12PortE1(44),
pportType1PortAtmCsE3(61),
pportType12PortAtmE1(63),
pportType12PortAtmT1(64),
pportType1PortChanDs310(65),
pportType6PortDS3T3(53),
pportType6PortDS3T32FwdEngs(67)
}
MAX-ACCESS read-only
STATUS current
DESCRIPTION "The type of the port (equivalent to the type of card)"
::= { pportEntry 1}

```

pportXmitClockSource OBJECT-TYPE

```

SYNTAX INTEGER {
    dce(1),
    loopTimedDce(2),
    dte(3),
    directTrunk(4),
    loopTimed(5),
    internal(6),
    external(7),
    chassis(8)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Clock Source"
::= { pportEntry 2}

```

pportBandwidth OBJECT-TYPE

```

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Available bandwidth on this pport. This is read-only on
    most pports, but writable on

```

some (e.g., HSSI and UIO pports)
Valid values for HSSI pport: 1579000, 3158000, 4737000,
6316000, 7895000, 9474000, 11053000,
12632000, 14211000, 15790000, 17369000, 18948000,
20527000, 22106000,
23685000, 25264000, 26843000, 28422000, 30001000,
31580000, 33159000,
34738000, 36317000, 37896000, 39475000, 41054000,
42633000, 44212000.

Valid values for UIO pport: 19200, 38400, 48000, 56000,
64000, 128000, 192000, 256000, 320000,
384000, 448000, 512000, 576000, 640000, 704000, 768000,
832000, 896000, 960000,
1024000, 1088000, 1152000, 1216000, 1280000, 1344000,
1408000, 1472000,
1536000, 1600000, 1664000, 1728000, 1792000, 1856000,
1920000, 1984000,
2048000, 4096000, 6144000, 8192000."
::= { pportEntry 3}

pportAdminStatus OBJECT-TYPE
SYNTAX INTEGER {
up(1),
down(2),
testing(3)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Administrative status for the port"
::= { pportEntry 4}

pportZeroEncoding OBJECT-TYPE
SYNTAX INTEGER {
ami(1),
-- ami == jammedBit == 1
b8Zs(2),
hdb3(3)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Zero coding value for DS1 PPorts"
::= { pportEntry 6}

pportExtClockBackup OBJECT-TYPE
SYNTAX INTEGER {
undeifined(1),

```

        internal(2),
        loopTimed(3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "B-STDX only, clock source if external clock fails."
    ::= { pportEntry 7}

pportConnType OBJECT-TYPE
    SYNTAX INTEGER {
        toNetwork(1),
        toDsx1(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Connection type"
    ::= { pportEntry 8}

pportLineType OBJECT-TYPE
    SYNTAX INTEGER {
        d4(1),
        esfAnsi(2),
        -- esfCitt = esfAnsi,
        esfAttAddressA(3),
        esfNone(4),
        e1CasCrc4(7),
        e1CasNoCrc4(8),
        e1NoCasCrc4(5),
        e1NoCasNoCrc4(6),
        esfAttAddressB(9)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Line Type for DS1 PPorts"
    ::= { pportEntry 9}

pportDs1LineLength OBJECT-TYPE
    SYNTAX INTEGER {
        length0to133ft(96),
        length133to266ft(128),
        length266to399ft(160),
        length399to533ft(192),
        length533to655ft(224)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Supported line length for DS1 PPorts that have

```

```
ConnType == typeToDsx1"
::= { pportEntry 10}
```

```
pportDsx1LineLength OBJECT-TYPE
```

```
SYNTAX INTEGER {
    length0to110ft(1),
    length110to220ft(2),
    length220to330ft(3),
    length330to440ft(4),
    length440to550ft(5),
    length550to660ft(6),
    lengthOver660ft(7)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Supported Line Length for DSX1 PPorts"
::= { pportEntry 11}
```

```
pportDS1LineBuildOut OBJECT-TYPE
```

```
SYNTAX INTEGER {
    buildOut0db(96),
    buildOutMinus7dot5db(32),
    buildOutMinus15db(64)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "LineBuildOut value for DS1 PPorts that have
    ConnType == typeToNetwork"
::= { pportEntry 12}
```

```
pportLoopbackStatus OBJECT-TYPE
```

```
SYNTAX INTEGER {
    none(1),
    internal(2),
    external(3),
    payload(4),
    line(5),
    framedInbandLine(6),
    unframedInbandLine(7),
    esfFdlLine(8),
    esfPayloadLine(9),
    farend(10)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Loopback status."
::= { pportEntry 13}
```

```

pportAllocatedChannelCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Number of Channels allocated on a DS1 PPort"
    ::= { pportEntry 14}

pportAllocatedChannels OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Bit map indicating the allocated channels on a DS1 PPort"
    ::= { pportEntry 15}

pportChannelsInUse OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Bit map indicating the channels in use on a DS1 PPort"
    ::= { pportEntry 16}

pportDs3LineBuildOut OBJECT-TYPE
    SYNTAX INTEGER {
        ds3LineBuildOut0to225ft(1),
        ds3LineBuildOut226to450ft(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The line build out or line length specification for
        the DS3 transmitter.

        1-port ATM-UNI DS3 card
        -----
        The accepted values are:

        1 - 0 to 225 feet
        2 - 226 to 450 feet"

    ::= { pportEntry 17}

pportChDs3LineBuildOut OBJECT-TYPE
    SYNTAX INTEGER {
        ds3LineBuildOut0to225ft(1),
        ds3LineBuildOut226to450ft(2)
    }
    MAX-ACCESS read-write
    STATUS current

```

DESCRIPTION

"The line build out or line length specification for the channelized DS3 transmitter.

1-port ATM-UNI ChDS3 card

The accepted values are:

1 - 0 to 225 feet

2 - 226 to 450 feet"

::= { pportEntry 18}

pportCellPayloadScramble OBJECT-TYPE

SYNTAX INTEGER {

disabled(1),

enabled(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Prevents ATM cell header alienation; disable only if connected equipment doesn't support Cell Payload

Scramble."

::= { pportEntry 19}

pportAtmCbitParity OBJECT-TYPE

SYNTAX INTEGER {

disabled(1),

enabled(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION "ATM Cbit Parity option for DS3 Physical Ports"

::= { pportEntry 20}

pportAtmMaxBufferSize OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Maximum buffer size for DS3 Physical Ports"

::= { pportEntry 21}

pportDs3PlcpOptions OBJECT-TYPE

SYNTAX INTEGER {

enabled(2),

disabled(3)

}

MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The PLCP Option for a DS3 PPort"
::= { pportEntry 22}

pportAtmReceivedFeacStatus OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Far-end alarm and control status (DS3 only)."
::= { pportEntry 23}

pportAtmEfciMarking OBJECT-TYPE
SYNTAX INTEGER {
 disabled(1),
 enabled(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Explicit Forward Congestion Indicator - Atm cell
 header bit used to indicate congestion."
::= { pportEntry 24}

pportAtmPeakCellRates0 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "One of eight priority queues for DS3 Physical Ports"
::= { pportEntry 26}

pportAtmPeakCellRates1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "One of eight priority queues for DS3 Physical Ports"
::= { pportEntry 27}

pportAtmPeakCellRates2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "One of eight priority queues for DS3 Physical Ports"
::= { pportEntry 28}

pportAtmPeakCellRates3 OBJECT-TYPE
SYNTAX Integer32

MAX-ACCESS read-write
STATUS current
DESCRIPTION "One of eight priority queues for DS3 Physical Ports"
::= { pportEntry 29}

pportAtmPeakCellRates4 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "One of eight priority queues for DS3 Physical Ports"
::= { pportEntry 30}

pportAtmPeakCellRates5 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "One of eight priority queues for DS3 Physical Ports"
::= { pportEntry 31}

pportAtmPeakCellRates6 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "One of eight priority queues for DS3 Physical Ports"
::= { pportEntry 32}

pportAtmPeakCellRates7 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "One of eight priority queues for DS3 Physical Ports"
::= { pportEntry 33}

pportOpticalXmit OBJECT-TYPE
SYNTAX INTEGER {
 disabled(1),
 enabled(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "applicable for the OC3 and OC12 pports"
::= { pportEntry 34}

pportAtmBIPErrThreshold OBJECT-TYPE
SYNTAX INTEGER {
 bipErrorsThreshIgnored(1),
 bipErrorsThresh4(4),
 bipErrorsThresh5(5),

```

        bipErrorsThresh6(6)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "ATM IWU Bip error threshold"
    ::= { pportEntry 35}

pportAtmVPILength OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "."
    ::= { pportEntry 36}

pportAtmCircuitType OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "."
    ::= { pportEntry 41}

pportApplicationMode OBJECT-TYPE
    SYNTAX INTEGER {
        m13(1),
        cbitParity(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Application Mode"
    ::= { pportEntry 43}

pportHecErrorCorrection OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "."
    ::= { pportEntry 44}

pportRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized

```

but not made active by client.

- notReady(3) - Not supported
- createAndGo(4) - Not supported.
- createAndWait(5) - Not supported.
- destroy(6) - Not supported."

```
 ::= { pportEntry 45 }
```

pportModifyType OBJECT-TYPE

```
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "By default, writes are stored to the database and the switch.
    Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
    writes to the database and sets the Out of Sync flag in the
database.
    This value is re-set to normal after every transaction."
DEFVAL {normal}
 ::= { pportEntry 46 }
```

pportXmitMode OBJECT-TYPE

```
SYNTAX INTEGER { sonet(1), sdh(2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION " for OC3 and OC12 atm pports"
 ::= { pportEntry 47 }
```

pportAlarmFailure OBJECT-TYPE

```
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION " Alarm failure"
 ::= { pportEntry 48 }
```

pportAlarmClear OBJECT-TYPE

```
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "ALarm clear"
 ::= { pportEntry 49 }
```

pportChDs3ChannelsInUse OBJECT-TYPE

```
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION " "
 ::= { pportEntry 50 }
```

```

pportT1LineCode OBJECT-TYPE
    SYNTAX INTEGER {
        ami (1),
        b8zs (2),
        amiNoBitStuff (5)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "T1 line code "
    ::= { pportEntry 51 }

pportE1LineCode OBJECT-TYPE
    SYNTAX INTEGER {
        ami (1),
        hdb3 (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "E1 line code "
    ::= { pportEntry 52 }

pportInBandLineLoopBackCode OBJECT-TYPE
    SYNTAX INTEGER {
        csu(1),
        ni (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " T1 and E1 Inband line loopback code"
    ::= { pportEntry 53 }

pportT1LineBuildOut OBJECT-TYPE
    SYNTAX INTEGER {
        length0to133ft(1),
        length133to266ft(2),
        length266to399ft(3),
        length399to533ft(4),
        length533to655ft(5)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " "
    ::= { pportEntry 54 }

pportT1CircuitType OBJECT-TYPE
    SYNTAX INTEGER {
        superFrame(10),

```

```

        extendedSuperFrame(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " "
    ::= { pportEntry 55 }

pportMIBInterfaceNumber OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " DS3, OC3, OC12, T1 and E1 MIB interface number"
    ::= { pportEntry 56 }

pportRedundancy OBJECT-TYPE
    SYNTAX INTEGER { disabled(1), apsOnePlusOne (2), apsResilientUni
(3),
        apsWithTrunkBackup (4) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " Pport redundancy architecture. Default is disabled."
    ::= { pportEntry 57 }

pportAtmTSPacingMode OBJECT-TYPE
    SYNTAX INTEGER (0..255)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "ATM traffic shaper pacing mode."
    ::= { pportEntry 58 }

pportEffectiveBandwidth OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Effective bandwidth for pports on CBX500. Unit in
cps (cell per second)"
    ::= { pportEntry 59 }

pportMinNumT1s OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The minimum number of T1 lines needed to support
the supplied effective bandwidth after the shaper is applied."
    ::= { pportEntry 60 }

pportMinNumE1s OBJECT-TYPE

```

SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "The minimum number of E1 lines needed to support
the supplied effective bandwidth after the shaper is applied."
::= { pportEntry 61 }

pportIdleCellType OBJECT-TYPE
SYNTAX INTEGER { atmForum(1), itu (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
". "
::= { pportEntry 62 }

pportDS3FeacLoopback OBJECT-TYPE
SYNTAX INTEGER { disabled(2), enabled (1) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"FEAC Loopback for DS3 pports."
::= { pportEntry 63 }

pportT1FeacLoopback OBJECT-TYPE
SYNTAX INTEGER { disabled(1), enabled (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Far end loopback for T1 pport."
::= { pportEntry 64 }

pportProtectionSlotId OBJECT-TYPE
SYNTAX Integer32 (1..255)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The ProtectionSlotId for this pport. Applicable to only those cards
supporting APS"
::= { pportEntry 65 }

pportProtectionPortId OBJECT-TYPE
SYNTAX Integer32 (1..255)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The ProtectionPortId for this pport. Applicable to only those cards
supporting APS"
::= { pportEntry 66 }

```

--
-- The PportTca Table - contains TCA information pertaining to the pport
-- objects resident on the ATM card.
--

pportTcaTable OBJECT-TYPE
    SYNTAX SEQUENCE OF PportTcaEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table representing TCA attributes on pports"
    ::= { pport 9 }

pportTcaEntry OBJECT-TYPE
    SYNTAX PportTcaEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Entry representing TCA attributes about one pport"
    INDEX { switchIdIndex, slotIdIndex, pportIdIndex }
    ::= { pportTcaTable 1 }

PportTcaEntry ::=
    SEQUENCE {

        pportTcaRowStatus
            RowStatus,
        pportTcaModifyType
            INTEGER,
        pportATMTcaEnable
            INTEGER,
        pportATMTcaInHECErrorUAlertPeriod
            Integer32,
        pportATMTcaInHECErrorUThresh
            Integer32,
        pportATMTcaEBufOverflowCBRAAlertPeriod
            Integer32,
        pportATMTcaEBufOverflowCBRThresh
            Integer32,
        pportATMTcaEBufOverflowABRAAlertPeriod
            Integer32,
        pportATMTcaEBufOverflowABRThresh
            Integer32,
        pportATMTcaEBufOverflowVBR1AlertPeriod
            Integer32,
        pportATMTcaEBufOverflowVBR1Thresh
            Integer32,

```

```

        pportATMTcaEBufOverflowVBR2AlertPeriod
            Integer32,
        pportATMTcaEBufOverflowVBR2Thresh
            Integer32
    }

pportTcaRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains ?holes?, waiting
        for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { pportTcaEntry 1 }

pportTcaModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL { normal }
    ::= { pportTcaEntry 2 }

pportATMTcaEnable OBJECT-TYPE
    SYNTAX INTEGER {
        enabled (1),
        disabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "ATM tca port enable/disable."
    ::= { pportTcaEntry 3 }

pportATMTcaInHECErrorUAlertPeriod OBJECT-TYPE
    SYNTAX Integer32

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "ATM tca ingress HEC error uncorrectable alert
 period (in min.)."
 DEFVAL { 15 }
::= { pportTcaEntry 4 }

pportATMTcaInHECErrorUThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "ATM tca ingress HEC error uncorrectable threshold."
 DEFVAL { 1 }
::= { pportTcaEntry 5 }

pportATMTcaEBufOverflowCBRAAlertPeriod OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "ATM tca egress buffer overflow CBR Alert period (in min)"
 DEFVAL { 15 }
::= { pportTcaEntry 6 }

pportATMTcaEBufOverflowCBRThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "ATM tca egress buffer overflow CBR threshold."
 DEFVAL { 1 }
::= { pportTcaEntry 7 }

pportATMTcaEBufOverflowABRAAlertPeriod OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "ATM tca egress buffer overflow ABR alert
 period (in min)"
 DEFVAL { 15 }
::= { pportTcaEntry 8 }

pportATMTcaEBufOverflowABRThresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write

STATUS current
DESCRIPTION
"ATM tca egress buffer overflow ABR threshold."
DEFVAL { 1 }
::= { pportTcaEntry 9 }

pportATMTcaEBufOverflowVBR1AlertPeriod OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"ATM tca egress buffer overflow VBR1 alert
period (in min)"
DEFVAL { 15 }
::= { pportTcaEntry 10 }

pportATMTcaEBufOverflowVBR1Thresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"ATM tca egress buffer overflow VBR1 threshold."
DEFVAL { 1 }
::= { pportTcaEntry 11 }

pportATMTcaEBufOverflowVBR2AlertPeriod OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"ATM tca egress buffer overflow VBR2 alert
period (in min)"
DEFVAL { 15 }
::= { pportTcaEntry 12 }

pportATMTcaEBufOverflowVBR2Thresh OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"ATM tca egress buffer overflow VBR2 threshold."
DEFVAL { 1 }
::= { pportTcaEntry 13 }

--pport traffic shapers
pportTrafficShaperTable OBJECT-TYPE
SYNTAX SEQUENCE OF PportTrafficShaperEntry

```

MAX-ACCESS    not-accessible
STATUS current
DESCRIPTION
    "A list of Parameters assigned to the 15 traffic shaper
parameter
    combinations of each pport of the ATM-IWU."
 ::= { pport 2 }

pportTrafficShaperIndex OBJECT-TYPE
    SYNTAX Integer32 (1..15)
    MAX-ACCESS    not-accessible
    STATUS current
    DESCRIPTION
        "A positive integer to identify an entry in the
pportTrafficShaperTable.
        The ATM-IWU and CS cards support exactly 15 shapers."
 ::= { pport 5 }

pportTrafficShaperEntry OBJECT-TYPE
    SYNTAX PportTrafficShaperEntry
    MAX-ACCESS    not-accessible
    STATUS current
    DESCRIPTION
        "Information of a single system reference clock source."
    INDEX { switchIdIndex, slotIdIndex, pportIdIndex,
pportTrafficShaperIndex }
 ::= { pportTrafficShaperTable 1 }

PportTrafficShaperEntry ::=
    SEQUENCE {
--        pportTrafficShaperIndex
--        Integer32,
        pportTsCsPriority
            Integer32,
        pportTsCsSustainableCellRate
            Integer32,
        pportTsCsPeakCellRate
            Integer32,
        pportTsCsMaxBurstSize
            Integer32,
        pportTsIwuPriority
            Integer32,
        pportTsIwuSustainableCellRate
            Integer32,
        pportTsIwuPeakCellRate
            Integer32,
        pportTsIwuMaxBurstSize
            Integer32,

```

```
    pportTrafficShaperRowStatus
        RowStatus,
    pportTrafficShaperModifyType
        INTEGER,
    pportTrafficShaperType
        INTEGER
}
```

```
pportTsCsPriority OBJECT-TYPE
    SYNTAX Integer32 (1..16)
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "The priority of the Shaper.
        Channels tied to a Shaper are served only if no higher
        priority Shapers
        await service. 1 is the highest, 16 the lowest priority."
    ::= { pportTrafficShaperEntry 1 }
```

```
pportTsCsSustainableCellRate OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "."
    ::= { pportTrafficShaperEntry 2 }
```

```
pportTsCsPeakCellRate OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        " The peak cell rate.
        It defines the minimum gap (in cell units) between
        emission of any
        consecutive cells in this channel."
    ::= { pportTrafficShaperEntry 3 }
```

```
pportTsCsMaxBurstSize OBJECT-TYPE
    SYNTAX Integer32 (0..255)
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "Defines the maximum number of credits that can be
        accumulated by a
        shaper. This is equivalent to the maximum burst allowed at
        the peak rate."
```

::= { pportTrafficShaperEntry 4 }

pportTsIwuPriority OBJECT-TYPE

SYNTAX Integer32 (1..16)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The priority of the Shaper.

Channels tied to a Shaper are served only if no higher
priority Shapers

await service. 1 is the highest, 16 the lowest priority."

::= { pportTrafficShaperEntry 5 }

pportTsIwuSustainableCellRate OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

".

::= { pportTrafficShaperEntry 6 }

pportTsIwuPeakCellRate OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" The peak cell rate.

It defines the minimum gap (in cell units) between
emission of any

consecutive cells in this channel."

::= { pportTrafficShaperEntry 7 }

pportTsIwuMaxBurstSize OBJECT-TYPE

SYNTAX Integer32 (0..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Defines the maximum number of credits that can be
accumulated by a

shaper. This is equivalent to the maximum burst allowed at
the peak rate."

::= { pportTrafficShaperEntry 8 }

pportTrafficShaperRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized
but not made active by client.
notReady(3) - Not supported
createAndGo(4) - Not supported.
createAndWait(5) - Not supported.
destroy(6) - Not supported."
::= { pportTrafficShaperEntry 9 }

pportTrafficShaperModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the
database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { pportTrafficShaperEntry 10 }

pportTrafficShaperType OBJECT-TYPE

SYNTAX INTEGER { shaperTypeVc(1), shaperTypeVp(2) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Define the type of the shaper. By default, it is set to VC
shaping."

DEFVAL {shaperTypeVc}

::= { pportTrafficShaperEntry 11 }

-- pport Aps Attributes.

pportApsTable OBJECT-TYPE

SYNTAX SEQUENCE OF PportApsEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A list of Automatic Protection System Parameters assigned
to the

pport of the ATM-OC-12."

::= { pport 3 }

pportApsEntry OBJECT-TYPE

SYNTAX PportApsEntry

```

MAX-ACCESS    not-accessible
STATUS current
DESCRIPTION
    "Information of a Automatic Protection System "
INDEX { switchIdIndex, slotIdIndex, pportIdIndex }
::= { pportApsTable 1 }

```

```

PportApsEntry ::=
    SEQUENCE {
        pportApsAdminDir
            INTEGER,
        pportApsLineType
            INTEGER,
        pportApsRevertiveMode
            INTEGER,
        pportApsPairedSlotId
            Integer32,
        pportApsPairedPportId
            Integer32,
        pportApsSfBerThresh
            Integer32,
        pportApsSdBerThresh
            Integer32,
        pportApsWtrPeriod
            Integer32,
        pportApsXCommand
            INTEGER,
        pportApsRowStatus
            RowStatus,
        pportApsModifyType
            INTEGER
    }

```

```

pportApsAdminDir OBJECT-TYPE
    SYNTAX INTEGER {
        unidirectional (1),
        bidirectional (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Provisioned APS switch-direction-mode. Default is uni-
        directional."
    ::= { pportApsEntry 1 }

```

```

pportApsLineType OBJECT-TYPE
    SYNTAX INTEGER {
        working (1),

```

```
        protection (2)
    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "APS line type for the pport. Writable only when
        pportRedundancy is Enabled."
    ::= { pportApsEntry 2 }
```

```
pportApsRevertiveMode OBJECT-TYPE
    SYNTAX INTEGER {
        revertive (1),
        nonrevertive (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "APS revertive mode. When revertive, after the condition
        for an automatic switchover clears, user traffic will be
        switched back to the working line after the
        pportApsWtrPeriod
        expires. Default is revertive."
    ::= { pportApsEntry 3 }
```

```
pportApsPairedSlotId OBJECT-TYPE
    SYNTAX Integer32 (1..16)
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Slot ID of the paired-with APS pport."
    ::= { pportApsEntry 4 }
```

```
pportApsPairedPportId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Pport ID of the paired-with APS pport."
    ::= { pportApsEntry 5 }
```

```
pportApsSfBerThresh OBJECT-TYPE
    SYNTAX Integer32 (3..5)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Exponent N for APS Signal Failure based on BER. A line
        bit-error-rate above 10-N causes an SF BER failure to be
        asserted. SF BER is cleared when the line BER returns to
```

less than 10^{-7} ."
::= { pportApsEntry 6 }

pportApsSdBerThresh OBJECT-TYPE

SYNTAX Integer32 (6..9)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Exponent N for APS Signal Degrade based on BER. A line bit-error-rate above 10^{-N} causes an SD BER failure to be asserted. SD BER is cleared when the line BER returns to less than $10^{-(N+1)}$."

::= { pportApsEntry 7 }

pportApsWtrPeriod OBJECT-TYPE

SYNTAX Integer32 (5..12)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"APS wait-to-restore period. The number of minutes to wait after an automatic switch condition clears before switching back to the working line."

::= { pportApsEntry 8 }

pportApsXCommand OBJECT-TYPE

SYNTAX INTEGER {

clear (1),

lockoutProtection (2),

forcedSwitchWorkingToProtection (3),

forcedSwitchProtectionToWorking (4),

manualSwitchWorkingToProtection (5),

manualSwitchProtectionToWorking (6),

exercise (7)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"External switch commands. The clear command clears any previously activated external command. Manual switch is preemptable by auto-switch-requests (line failures) while forced switch is not preemptable (except if the protection line fails). Manual and forced switch from protection to working, is valid only for 1+1 mode. Exercise simulates a switchover using APS signalling without actually performing a switch to protection line."

::= { pportApsEntry 9 }

pportApsRowStatus OBJECT-TYPE

```

SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Row status active(1) - Row is currently usable.
    notInService(2) - Row has been created and initialized but
not made active by client.
    notReady(3) - Not supported
    createAndGo(4) - Not supported.
    createAndWait(5) - Not supported.
    destroy(6) - Not supported."
::= { pportApsEntry 10 }

pportApsModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { pportApsEntry 11 }

--
-- pportDiagTable for physical port diagnostics
--
pportDiagTable OBJECT-TYPE
    SYNTAX SEQUENCE OF PportDiagEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The PPort Diagnostic table."
    ::= { pport 10 }

pportDiagEntry OBJECT-TYPE
    SYNTAX PportDiagEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "An entry in the pport diagnostic table."
    INDEX { switchIdIndex, slotIdIndex, pportIdIndex }
    ::= { pportDiagTable 1 }

PportDiagEntry ::=

```

```

SEQUENCE {
    pportDiagAction
    INTEGER,
    pportDiagTestType
    INTEGER,
    pportDiagDS1NearEndLoopbackType
    INTEGER,
    pportDiagBertPattern
    INTEGER,
    pportDiagBertUserPatternBytes
    DisplayString,
    pportDiagLoopbackStatus
    INTEGER,
    pportDiagTestResult
    DisplayString,
    pportDiagFailReason
    DisplayString,
    pportDiagBertStatus
    INTEGER,
    pportDiagBertBitCount
    Integer32,
    pportDiagBertErrorCount
    Integer32
}

```

pportDiagAction OBJECT-TYPE

```

SYNTAX INTEGER {
    inactive(1),
    startRequest(2),
    updateRequest(3),
    requestInProgress(4),
    clearRequest(5)
}

```

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"set to startRequest when all the config OIDs have been
set and you
are ready to start the diagnostic request on the switch.
Once the
request is finished and you would like to clear the
information,
set to clearRequest"
::= { pportDiagEntry 1 }

pportDiagTestType OBJECT-TYPE

```

SYNTAX INTEGER {
    internal(1),

```

```

        external(2),
                                externalLocalDte(3),
                                externalLocalLine(4),
                                externalRemoteLine(5),

        metallic(6),
        payload(7),
        nearEndLine(8),
        nearEndDiag(9),
        farEnd(10),

                                framedInBandLine(11),
                                unFramedInBandLine(12),
                                esFdlLine(13),
                                esFdlPayload(14),
                                e1NearEnd(15),
                                bert(16),
                                injectErr(17),
                                clearErrCounter(18)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The type of diagnostic test to run. e1NearEnd is currently
only used
                                for 12 port unchannelized E1 card"
    ::= { pportDiagEntry 2 }

pportDiagDS1NearEndLoopbackType OBJECT-TYPE
    SYNTAX INTEGER {

                                ds1ClearLoop(1),
                                ds1PayloadLoop(2),
                                ds1LineLoop(3),
                                ds1DiagLoop(4)

    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The type of ds1 near end loopback to run."
        DEFVAL { ds1ClearLoop }
    ::= { pportDiagEntry 3 }

pportDiagBertPattern OBJECT-TYPE
    SYNTAX INTEGER {
        allZeros      (1),
        allOnes       (2),
        oneZero       (3),
        oneOneZeroZero (4),
        oneOf8        (5),
        threeOf24     (6),
    
```

```

        qRSS      (7),
        user1Byte (8),
        user2Byte (9),
        user3Byte (10)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Pattern generated by the XBERT"
        DEFVAL { allZeros }
    ::= { pportDiagEntry 4 }

```

```

pportDiagBertUserPatternBytes OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Definition of 1,2 or 3 byte pattern in hex format, if
        UserByte selected."
    ::= { pportDiagEntry 5 }

```

```

pportDiagLoopbackStatus OBJECT-TYPE
    SYNTAX INTEGER {
        none(1),
        payLoad(2),
        line(3),
        diagnostics(4),
        diagLIU(5),
        ds1External(6),
        framedInBandLine(7),
        unframedInBandLine(8),
        esfFdlLine(9),
        esfFdlPayload(10),
        nearLine(11),
        sonetDiag(12),
        metallic(13),
        ds3FarEndInit(14)
    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "loopback status reported by the switch"
    ::= { pportDiagEntry 6 }

```

```

pportDiagTestResult OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current

```

DESCRIPTION

"Result of Internal or External test. Passed or Failed"

::= { pportDiagEntry 7 }

pportDiagFailReason OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"Description of last diagnostic failure."

::= { pportDiagEntry 8 }

pportDiagBertStatus OBJECT-TYPE

SYNTAX INTEGER {

unused (1),

unavailable (2),

outOfFrame (3),

inFrame (4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"Current status of the BERT for this pport."

::= { pportDiagEntry 9 }

pportDiagBertBitCount OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The number of bits received - stops counting at 0xFFFFFFFF"

::= { pportDiagEntry 10 }

pportDiagBertErrorCount OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The number of bits received in error- stops counting at 0xFFFFFFFF"

::= { pportDiagEntry 11 }

--

-- BSTDX ATM Circuit Endpoint table - contains instances of ATM circuit endpoints on BSTDX switches.

--

```

interworkingCircuitEndpointTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InterworkingCircuitEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of ATM circuit entries."
    ::= { circuitConfiguration 2 }

interworkingCircuitEndpointEntry OBJECT-TYPE
    SYNTAX InterworkingCircuitEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes associated with an endpoint of an ATM
circuit."
    INDEX { switchIdIndex,
            lportIfIndex,
            vpiIndex,
            vciIndex }

    ::= { interworkingCircuitEndpointTable 1 }

InterworkingCircuitEndpointEntry ::=
SEQUENCE {
    interworkingCircuitEndpointCircuitNumber
        Integer32,
    interworkingCircuitEndpointTrafficDescrParam1
        Integer32,
    interworkingCircuitEndpointTrafficDescrParam2
        Integer32,
    interworkingCircuitEndpointTrafficDescrParam3
        Integer32,
    interworkingCircuitEndpointTrafficDescrParam4
        Integer32,
    interworkingCircuitEndpointTrafficDescrParam5
        Integer32,
    interworkingCircuitEndpointTrafficDescrType
        INTEGER,
    interworkingCircuitEndpointScr
        Integer32,
    interworkingCircuitEndpointMbs
        Integer32,
    interworkingCircuitEndpointPcr
        Integer32,
    interworkingCircuitEndpointQosClass
        INTEGER,
    interworkingCircuitEndpointFcpDiscard

```

```

    INTEGER,
    interworkingCircuitEndpointGracefulDiscard
    INTEGER,
    interworkingCircuitEndpointRedFramePercent
    Integer32,
    interworkingCircuitEndpointShaperId
    Integer32,
    interworkingCircuitEndpointRateEnfScheme
    INTEGER,
    interworkingCircuitEndpointCircuitPriority
    Integer32,
    interworkingCircuitEndpointRowStatus
    RowStatus,
    interworkingCircuitEndpointModifyType
    INTEGER,
    interworkingCircuitEndpointDeltaBc
    Integer32,
    interworkingCircuitEndpointDeltaBe
    Integer32,
    interworkingCircuitEndpointZeroCIREnabled
    INTEGER,
    interworkingCircuitEndpointSlotId
    Integer32,
    interworkingCircuitEndpointPPortId
    Integer32,
    interworkingCircuitEndpointNumRetries
    Integer32,
    interworkingCircuitEndpointMcr
    Integer32
}

interworkingCircuitEndpointCircuitNumber OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The number of the circuit which this endpoint terminates.
        This is used as the index into the
        circuitCrossConnectTable."
    ::= { interworkingCircuitEndpointEntry 1}

interworkingCircuitEndpointTrafficDescrParam1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor Parameter 1"
    ::= { interworkingCircuitEndpointEntry 2}

```

```

interworkingCircuitEndpointTrafficDescrParam2 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor Parameter 2"
    ::= { interworkingCircuitEndpointEntry 3}

interworkingCircuitEndpointTrafficDescrParam3 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor Parameter 3"
    ::= { interworkingCircuitEndpointEntry 4}

interworkingCircuitEndpointTrafficDescrParam4 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor Parameter 4"
    ::= { interworkingCircuitEndpointEntry 5}

interworkingCircuitEndpointTrafficDescrParam5 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor Parameter 5"
    ::= { interworkingCircuitEndpointEntry 6}

interworkingCircuitEndpointTrafficDescrType OBJECT-TYPE
    SYNTAX INTEGER {
        pcrClp0PcrClp01(1),
        pcrClp0PcrClp01Tagging(2),
        pcrClp01ScrClp0MbsClp0(3),
        pcrClp01ScrClp0MbsClp0Tagging(4),
        pcrClp01(5),
        pcrClp01ScrClp01MbsClp01(6),
        bestEffort(7),
        pcrClp0McrClp0(8),
        unspBestEffort(9)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "AtmCircuit Traffic Descriptor Type."
    ::= { interworkingCircuitEndpointEntry 7}

interworkingCircuitEndpointScr OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write

```

STATUS current
DESCRIPTION "Sustainable Cell Rate, in bits."
::= { interworkingCircuitEndpointEntry 8}

interworkingCircuitEndpointMbs OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Maximum Burst Size, in bits."
::= { interworkingCircuitEndpointEntry 9}

interworkingCircuitEndpointPcr OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Peak Cell Rate, in bits."
::= { interworkingCircuitEndpointEntry 10}

interworkingCircuitEndpointQosClass OBJECT-TYPE
SYNTAX INTEGER {
 cbr (1),
 vbrRealTime (2),
 vbrNonRealTime (3),
 ubr (4),
 abr (5),
 unspCbr (6),
 unspVbrNonRealTime (7),
 unspBestEffort (8)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "AtmCircuit Quality of Service."
::= { interworkingCircuitEndpointEntry 11}

interworkingCircuitEndpointFcpDiscard OBJECT-TYPE
SYNTAX INTEGER { epd(1), clp1 (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION ""
DEFVAL {epd}
::= { interworkingCircuitEndpointEntry 12}

interworkingCircuitEndpointGracefulDiscard OBJECT-TYPE
SYNTAX INTEGER {
 off(1),
 on(2)
}
}

MAX-ACCESS read-write
STATUS current
DESCRIPTION "This variable states whether graceful discard is enabled
for the circuit."
::= { interworkingCircuitEndpointEntry 13}

interworkingCircuitEndpointRedFramePercent OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"The percentage of RED frame bits that are allowed to enter the
network, during the measurement interval, under non-congestion
condition. Its value range is 0 - 100 and default value is 100.
Its calculation is as follows:

$$\text{cktRedFrPcn} = (\text{allowed RED frame bits}) / (\text{Bc} + \text{Be} + \text{allowed RED frame bits})$$

::= { interworkingCircuitEndpointEntry 14}

interworkingCircuitEndpointShaperId OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "."
::= { interworkingCircuitEndpointEntry 15}

interworkingCircuitEndpointRateEnfScheme OBJECT-TYPE

SYNTAX INTEGER {
jump(1),
simple(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This variable states the maximum segment size for the
network."
::= { interworkingCircuitEndpointEntry 16}

interworkingCircuitEndpointCircuitPriority OBJECT-TYPE

SYNTAX Integer32 (1..4)
MAX-ACCESS read-write
STATUS current
DESCRIPTION "."
::= { interworkingCircuitEndpointEntry 17}

```

interworkingCircuitEndpointRowStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS   read-write
    STATUS      current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
         notInService(2) - Row has been created and initialized
but not made active by client.
         notReady(3) - Row has been created but contains ?holes?,
waiting for client to finish.
         createAndGo(4) - Not supported.
         createAndWait(5) - Create new row.
         destroy(6) - Delete an existing row."
 ::= { interworkingCircuitEndpointEntry 18 }

```

```

interworkingCircuitEndpointModifyType OBJECT-TYPE
    SYNTAX      INTEGER { normal(1), dbOnly(4),
dbOnlySetOutOfSync(5) }
    MAX-ACCESS   read-write
    STATUS      current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
    DEFVAL { normal }
 ::= { interworkingCircuitEndpointEntry 19 }

```

```

interworkingCircuitEndpointDeltaBc OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS   read-write
    STATUS      current
    DESCRIPTION
        "The maximum number of bits that the network agree to transfer
over the circuit as committed bits during the measurement
interval under the CONDITION that the circuit still has
POSITIVE
committed bit (Bc) credits before receiving a frame but will
have
NEGATIVE Bc credits after accepting the frame. The range of
this
variable is 0 to 65,528 bits. By default, if not configured
when
creating the entry, it is set to 65,528 bits."
 ::= { interworkingCircuitEndpointEntry 20 }

```

```

interworkingCircuitEndpointDeltaBe OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "The maximum number of bits that the network agree to transfer
        over the circuit as allowed excess bits during the measurement
        interval under the CONDITION that the circuit still has
        POSITIVE
            excess bit (Be) credits before receiving a frame but will have
            NEGATIVE Be credits after accepting the frame. The range of
        this
            variable is 0 to 65,528 bits. By default, if not configured
        when
            creating the entry, it is set to 65,528 bits."
    ::= { interworkingCircuitEndpointEntry 21 }

interworkingCircuitEndpointZeroCIREnabled OBJECT-TYPE
    SYNTAX INTEGER {
        off(1),
        on(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "."
    ::= { interworkingCircuitEndpointEntry 22}

interworkingCircuitEndpointSlotId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Slot ID where the enpoint resides."
    ::= { interworkingCircuitEndpointEntry 23}

interworkingCircuitEndpointPPortId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "PPort ID where the endpoint resides."
    ::= { interworkingCircuitEndpointEntry 24}

interworkingCircuitEndpointNumRetries OBJECT-TYPE
    SYNTAX Integer32 (0..5)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Number of retries for the set if the card status
        for any of the endpoints is down."

```

```

        DEFVAL {0}
 ::= { interworkingCircuitEndpointEntry 25}

interworkingCircuitEndpointMcr OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION "MCR"
 ::= { interworkingCircuitEndpointEntry 26}

--
-- C500 ATM Circuit Endpoint table - contains instances of circuit
-- endpoints on C500 switches.
--

atmCircuitEndpointTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AtmCircuitEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of ATM circuit entries."
 ::= { circuitConfiguration 3 }

atmCircuitEndpointEntry OBJECT-TYPE
    SYNTAX AtmCircuitEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Attributes associated with an ATM circuit with endpoints on
        CBX switches."
    INDEX {switchIdIndex,
           lportIfIndex,
           vpiIndex,
           vciIndex}

 ::= { atmCircuitEndpointTable 1 }

-- Traffic attribute Rules:
--
--

```

	QOS	Priority	TrafficType
Param			
	CBR	N/A	
PcrClp0PcrClp01		param1,2	

```

--
PcrClp0PcrClp01Tagparam1,2
--
PcrClp01                                param1
--
--          VBRRealTime 1,2,3,4          PaClp01SaClp0MbsClp0
param1,2,3
--
PcrClp01ScrClp0MbsClp0Tag
param1,2,3
--
PCrClp01ScrClp01MbsClp01
param1,2,3
--
--          VBRNonRealTime1,2,3          PaClp01SaClp0MbsClp0
param1,2,3
--
PcrClp01ScrClp0MbsClp0Tag
param1,2,3
--
PCrClp01ScrClp01MbsClp01
param1,2,3
--
--          UBR                                N/A
PcrClp01                                param1
--
bestEffort                                N/A
--
--          ABR                                N/A
PcrClp0McrClp0                            param1,2

AtmCircuitEndpointEntry ::=
SEQUENCE {
    atmCircuitEndpointCircuitNumber
        Integer32,
    atmCircuitEndpointTrafficDescrParam1
        Integer32,
    atmCircuitEndpointTrafficDescrParam2
        Integer32,
    atmCircuitEndpointTrafficDescrParam3
        Integer32,
    atmCircuitEndpointTrafficDescrParam4
        Integer32,
    atmCircuitEndpointTrafficDescrParam5
        Integer32,
    atmCircuitEndpointTrafficDescrType
        INTEGER,
    atmCircuitEndpointQosClass

```

```

    INTEGER,
    atmCircuitEndpointFcpDiscard
    INTEGER ,
    atmCircuitEndpointGracefulDiscard
    INTEGER,
    atmCircuitEndpointCircuitPriority
    Integer32,
    atmCircuitEndpointRateEnfScheme
    INTEGER,
    atmCircuitEndpointModifyType
    INTEGER,
    atmCircuitEndpointRowStatus
    RowStatus,
    atmCircuitEndpointDeltaBc
    Integer32,
    atmCircuitEndpointDeltaBe
    Integer32,
    atmCircuitEndpointRedFramePercent
    Integer32,
    atmCircuitEndpointSlotId
    Integer32,
    atmCircuitEndpointPPortId
    Integer32,
    atmCircuitEndpointNumRetries
    Integer32,
    atmCircuitEndpointFrameDiscard
    INTEGER,
    atmCircuitEndpointShaperId
    Integer32,
    atmCircuitEndpointTrafficMgmtCdvStatus
    INTEGER,
    atmCircuitEndpointTrafficMgmtCdv
    Integer32,
    atmCircuitEndpointTrafficMgmtClrStatus
    INTEGER,
    atmCircuitEndpointTrafficMgmtClr
    Integer32
}

atmCircuitEndpointCircuitNumber OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The number of the circuit which this endpoint terminates.
This is used as the index into the circuitCrossConnectTable."
    ::= { atmCircuitEndpointEntry 1}

atmCircuitEndpointTrafficDescrParam1 OBJECT-TYPE

```

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 1"
::= { atmCircuitEndpointEntry 2}

atmCircuitEndpointTrafficDescrParam2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 2"
::= { atmCircuitEndpointEntry 3}

atmCircuitEndpointTrafficDescrParam3 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 3"
::= { atmCircuitEndpointEntry 4}

atmCircuitEndpointTrafficDescrParam4 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 4"
::= { atmCircuitEndpointEntry 5}

atmCircuitEndpointTrafficDescrParam5 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 5"
::= { atmCircuitEndpointEntry 6}

atmCircuitEndpointTrafficDescrType OBJECT-TYPE
SYNTAX INTEGER {
 pcrClp0PcrClp01(1),
 pcrClp0PcrClp01Tagging(2),
 pcrClp01ScrClp0MbsClp0(3),
 pcrClp01ScrClp0MbsClp0Tagging(4),
 pcrClp01(5),
 pcrClp01ScrClp01MbsClp01(6),
 bestEffort(7),
 pcrClp0McrClp0(8),
 unspBestEffort(9)
}

MAX-ACCESS read-write
STATUS current
DESCRIPTION "AtmCircuit Traffic Descriptor Type."
::= { atmCircuitEndpointEntry 7}

atmCircuitEndpointQosClass OBJECT-TYPE
SYNTAX INTEGER {
 cbr (1),
 vbrRealTime (2),
 vbrNonRealTime (3),
 ubr (4),
 abr (5),
 unspCbr (6),
 unspVbrNonRealTime (7),
 unspBestEffort (8)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "AtmCircuit Quality of Service."
::= { atmCircuitEndpointEntry 8}

atmCircuitEndpointFcpDiscard OBJECT-TYPE
SYNTAX INTEGER { epd (1), clp1 (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION ""
DEFVAL {epd}
::= { atmCircuitEndpointEntry 9}

atmCircuitEndpointGracefulDiscard OBJECT-TYPE
SYNTAX INTEGER {
 off(1),
 on(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This variable states whether graceful discard is enabled
 for the circuit."
::= { atmCircuitEndpointEntry 10}

atmCircuitEndpointCircuitPriority OBJECT-TYPE
SYNTAX Integer32 (1..4)
MAX-ACCESS read-write
STATUS current
DESCRIPTION ""
::= { atmCircuitEndpointEntry 11}

atmCircuitEndpointRateEnfScheme OBJECT-TYPE

```
SYNTAX INTEGER {
    jump(1),
    simple(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This variable states the maximum segment size for the
network."
::= { atmCircuitEndpointEntry 12}
```

```
atmCircuitEndpointModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { atmCircuitEndpointEntry 13 }
```

```
atmCircuitEndpointRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains ?holes?, waiting
        for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."

    ::= { atmCircuitEndpointEntry 14 }
```

```
atmCircuitEndpointDeltaBc OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The maximum number of bits that the network agree to transfer
```

over the circuit as committed bits during the measurement interval under the CONDITION that the circuit still has
POSITIVE
committed bit (Bc) credits before receiving a frame but will
have
NEGATIVE Bc credits after accepting the frame. The range of
this
variable is 0 to 65,528 bits. By default, if not configured
when
creating the entry, it is set to 65,528 bits."
::= { atmCircuitEndpointEntry 15 }

atmCircuitEndpointDeltaBe OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of bits that the network agree to transfer over the circuit as allowed excess bits during the measurement interval under the CONDITION that the circuit still has

POSITIVE

excess bit (Be) credits before receiving a frame but will have
NEGATIVE Be credits after accepting the frame. The range of

this

variable is 0 to 65,528 bits. By default, if not configured

when

creating the entry, it is set to 65,528 bits."

::= { atmCircuitEndpointEntry 16 }

atmCircuitEndpointRedFramePercent OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The percentage of RED frame bits that are allowed to enter the network, during the measurement interval, under non-congestion condition. Its value range is 0 - 100 and default value is 100. Its calculation is as follows:

$$\text{cktRedFrPcn} = (\text{allowed RED frame bits}) / (\text{Bc} + \text{Be} + \text{allowed RED frame bits})"$$

::= { atmCircuitEndpointEntry 17 }

atmCircuitEndpointSlotId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Slot ID where the endpoint resides."

```

 ::= { atmCircuitEndpointEntry 18}

atmCircuitEndpointPPortId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "PPort ID where the endpoint resides."
 ::= { atmCircuitEndpointEntry 19}

atmCircuitEndpointNumRetries OBJECT-TYPE
    SYNTAX Integer32 (0..5)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Number of retries for the set if the card status
                  for any of the endpoints is down."
    DEFVAL {0}
 ::= { atmCircuitEndpointEntry 20}

atmCircuitEndpointFrameDiscard OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The variable gives the status of the frame Discard for a pure
        ATM circuit endpoint"
 ::= { atmCircuitEndpointEntry 21 }

atmCircuitEndpointShaperId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Shaper ID for VC shaping."
 ::= { atmCircuitEndpointEntry 22}

-- Traffic Management Attributes.

atmCircuitEndpointTrafficMgmtCdvStatus OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Attribute describing whether
                  atmCircuitEndpointTrafficMgmtCdv is applicable or

```

```

not"
    DEFVAL { disabled }
    ::= { atmCircuitEndpointEntry 23 }

atmCircuitEndpointTrafficMgmtCdv OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The Cell Delay Variation for the Circuit. It is
        expressed as a negative of 10 "
    ::= { atmCircuitEndpointEntry 24 }

atmCircuitEndpointTrafficMgmtClrStatus OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Attribute describing whether
        atmCircuitEndpointTrafficMgmtClr is applicable or
not.
        When the value is Disabled, a default value of 255 is
        assumed for Cell Loss Ratio."
    DEFVAL {disabled}
    ::= { atmCircuitEndpointEntry 25 }

atmCircuitEndpointTrafficMgmtClr OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The Cell Loss Ratio requirement, expressed as a
        negative of 10. "
    ::= { atmCircuitEndpointEntry 26 }

--
-- Frame Relay Circuit table - contains instances of Frame Relay circuit
-- endpoints a
--

frCircuitEndpointTable OBJECT-TYPE
    SYNTAX SEQUENCE OF FrCircuitEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of Frame Relay circuit entries."
    ::= { circuitConfiguration 4 }

```

```

frCircuitEndpointEntry OBJECT-TYPE
    SYNTAX FrCircuitEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes associated with a Frame Relay circuit
        endpoint."
    INDEX {switchIdIndex,
          lportIfIndex,
          dlciIdIndex}

 ::= { frCircuitEndpointTable 1 }

FrCircuitEndpointEntry ::=
    SEQUENCE {
        frCircuitEndpointCircuitNumber
            Integer32,
        frCircuitEndpointCir
            Integer32,
        frCircuitEndpointBc
            Integer32,
        frCircuitEndpointDeltaBc
            Integer32,
        frCircuitEndpointBe
            Integer32,
        frCircuitEndpointDeltaBe
            Integer32,
        frCircuitEndpointGracefulDiscard
            INTEGER,
        frCircuitEndpointRateEnfScheme
            INTEGER,
        frCircuitEndpointRedFramePercent
            Integer32,
        frCircuitEndpointZeroCIREnabled
            INTEGER,
        frCircuitEndpointCircuitPriority
            Integer32,
        frCircuitEndpointQosClass
            INTEGER,
        frCircuitEndpointRowStatus
            RowStatus,
        frCircuitEndpointModifyType
            INTEGER,
        frCircuitEndpointSlotId
            Integer32,
        frCircuitEndpointPPortId
            Integer32,
        frCircuitEndpointNumRetries

```

```

        Integer32,
    frCircuitEndpointFcpDiscard
        INTEGER,
    frCircuitEndpointLoopback
        INTEGER
}

frCircuitEndpointCircuitNumber OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The number of the circuit which this endpoint terminates.
This is used as the index into the circuitCrossConnectTable."
    ::= { frCircuitEndpointEntry 1}

frCircuitEndpointCir OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Committed Information Rate "
    ::= { frCircuitEndpointEntry 2}

frCircuitEndpointBc OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Committeed Burst Size, in bits"
    ::= { frCircuitEndpointEntry 3}

frCircuitEndpointDeltaBc OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The maximum number of bits that the network agree to transfer
        over the circuit as committed bits during the measurement
        interval under the CONDITION that the circuit still has
    POSITIVE
        committed bit (Bc) credits before receiving a frame but will
    have
        NEGATIVE Bc credits after accepting the frame. The range of
    this
        variable is 0 to 65,528 bits. By default, if not configured
    when
        creating the entry, it is set to 65,528 bits."
    ::= { frCircuitEndpointEntry 4}

```

```

frCircuitEndpointBe OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Excess Burst size, in bits."
    ::= { frCircuitEndpointEntry 5}

frCircuitEndpointDeltaBe OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The maximum number of bits that the network agree to transfer
        over the circuit as allowed excess bits during the measurement
        interval under the CONDITION that the circuit still has
        POSITIVE
            excess bit (Be) credits before receiving a frame but will have
            NEGATIVE Be credits after accepting the frame. The range of
        this
            variable is 0 to 65,528 bits. By default, if not configured
        when
            creating the entry, it is set to 65,528 bits."
    ::= { frCircuitEndpointEntry 6}

frCircuitEndpointGracefulDiscard OBJECT-TYPE
    SYNTAX INTEGER {
        off(1),
        on(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This variable states whether graceful discard is enabled
        for the circuit endpoint."
    ::= { frCircuitEndpointEntry 7}

frCircuitEndpointCircuitPriority OBJECT-TYPE
    SYNTAX Integer32 (1..4)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "."
    ::= {frCircuitEndpointEntry 8}

frCircuitEndpointRateEnfScheme OBJECT-TYPE
    SYNTAX INTEGER {
        jump(1),
        simple(2)
    }
    MAX-ACCESS read-write

```

STATUS current
DESCRIPTION "This variable states the maximum segment size for the network."
 ::= { frCircuitEndpointEntry 9}

frCircuitEndpointRedFramePercent OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"The percentage of RED frame bits that are allowed to enter the network, during the measurement interval, under non-congestion condition. Its value range is 0 - 100 and default value is 100. Its calculation is as follows:

$$\text{cktRedFrPcn} = (\text{allowed RED frame bits}) / (\text{Bc} + \text{Be} + \text{allowed RED frame bits})"$$

::= { frCircuitEndpointEntry 10}

frCircuitEndpointZeroCIEnabled OBJECT-TYPE

SYNTAX INTEGER {
 off(1),
 on(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "."

::= { frCircuitEndpointEntry 11}

frCircuitEndpointQosClass OBJECT-TYPE

SYNTAX INTEGER {
 cbr (1),
 vbrRealTime (2),
 vbrNonRealTime (3),
 ubr (4),
 abr (5),
 unspCbr (6),
 unspVbrNonRealTime (7),
 unspBestEffort (8)
}

MAX-ACCESS read-write
STATUS current
DESCRIPTION "AtmCircuit Quality of Service."
 ::= { frCircuitEndpointEntry 12}

frCircuitEndpointModifyType OBJECT-TYPE

```

        SYNTAX      INTEGER { normal(1), dbOnly(4),
dbOnlySetOutOfSync(5) }
        MAX-ACCESS   read-write
        STATUS current
        DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
        DEFVAL {normal}
        ::= { frCircuitEndpointEntry 13 }

frCircuitEndpointRowStatus OBJECT-TYPE
        SYNTAX      RowStatus
        MAX-ACCESS   read-write
        STATUS current
        DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized
        but not made active by client.
        notReady(3) - Row has been created but contains ?holes?,
        waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."

        ::= { frCircuitEndpointEntry 14 }

frCircuitEndpointSlotId OBJECT-TYPE
        SYNTAX Integer32
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION "Slot ID where the endpoint resides."
        ::= { frCircuitEndpointEntry 15}

frCircuitEndpointPPortId OBJECT-TYPE
        SYNTAX Integer32
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION "PPort ID where the endpoint resides."
        ::= {frCircuitEndpointEntry 16}

frCircuitEndpointNumRetries OBJECT-TYPE
        SYNTAX Integer32 (0..5)
        MAX-ACCESS read-write
        STATUS current

```

```

        DESCRIPTION "Number of retries for the set if the card status
                    for any of the endpoints is down."
        DEFVAL {0}
 ::= { frCircuitEndpointEntry 17}

frCircuitEndpointFcpDiscard OBJECT-TYPE
    SYNTAX INTEGER {
        epd(1),
        clp1(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Whether to use the discard threshold as the CLP1
                Discard threshold upon reception of a cell by the NRTS
                processor in the forward direction."
    DEFVAL {epd}
 ::= { frCircuitEndpointEntry 18}

frCircuitEndpointLoopback OBJECT-TYPE
    SYNTAX INTEGER { normal(0), local(1), remote(2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Setting this variable controls the loopback status of
the
                given circuit endpoint."
    DEFVAL {normal}
 ::= { frCircuitEndpointEntry 19 }

--
-- Circuit Cross-Connect table - contains instances of circuit objects
--

circuitCrossConnectTable OBJECT-TYPE
    SYNTAX SEQUENCE OF CircuitCrossConnectEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of admin circuit entries."
 ::= { circuitConfiguration 5 }

circuitCrossConnectEntry OBJECT-TYPE
    SYNTAX CircuitCrossConnectEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION

```

"A group of attributes associated with all circuit types."

INDEX {circuitIndex}
::= { circuitCrossConnectTable 1 }

CircuitCrossConnectEntry ::=

SEQUENCE {

 circuitCrossConnectSwitchId1
 IpAddress,

 circuitCrossConnectIfIndex1
 Integer32,

 circuitCrossConnectDLCI1
 Integer32,

 circuitCrossConnectVPI1
 Integer32,

 circuitCrossConnectVCI1
 Integer32,

 circuitCrossConnectSwitchId2
 IpAddress,

 circuitCrossConnectIfIndex2
 Integer32,

 circuitCrossConnectDLCI2
 Integer32,

 circuitCrossConnectVPI2
 Integer32,

 circuitCrossConnectVCI2
 Integer32,

 circuitCrossConnectCircuitName
 DisplayString,

 circuitCrossConnectSegmentSize
 Integer32,

 circuitCrossConnectTranslationType
 INTEGER,

 circuitCrossConnectAdminStatus
 INTEGER,

 circuitCrossConnectBandwidthPriority
 Integer32,

 circuitCrossConnectBumpingPriority
 Integer32,

 circuitCrossConnectUpcFunction
 INTEGER,

 circuitCrossConnectCDVTolerance
 Integer32,

 circuitCrossConnectOAMAlarmsEnabled
 INTEGER,

 circuitCrossConnectCellLossPriority
 INTEGER,

 circuitCrossConnectDiscardEligibility
 INTEGER,

```

circuitCrossConnectVpnName
    DisplayString,
circuitCrossConnectCustomerName
    DisplayString,
circuitCrossConnectPrivateNetOverflow
    INTEGER,
circuitCrossConnectRerouteBalancing
    INTEGER,
circuitCrossConnectCircuitType
    INTEGER,
circuitCrossConnectRowStatus
    RowStatus,
circuitCrossConnectModifyType
    INTEGER,
circuitCrossConnectEndpoint1
    INTEGER,
circuitCrossConnectEndpoint2
    INTEGER,
circuitCrossConnectNetworkId1
    IpAddress,
circuitCrossConnectServiceName1
    DisplayString,
circuitCrossConnectNetworkId2
    IpAddress,
circuitCrossConnectServiceName2
    DisplayString,
circuitCrossConnectNumRetries
    INTEGER,
circuitCrossConnectAdminCostThreshold
    Integer32,
circuitCrossConnectTrafficMgmtCtdStatus
    INTEGER,
circuitCrossConnectTrafficMgmtCtd
    Integer32,
circuitCrossConnectAlias
    DisplayString,
circuitCrossConnectFrToAtmEFCI
    INTEGER,
circuitCrossConnectIsMgmtCkt
    INTEGER
}

```

circuitCrossConnectSwitchId1 OBJECT-TYPE

SYNTAX IpAddress

MAX-ACCESS read-write

STATUS current

DESCRIPTION "IP Address of circuit endpoint 1. This may not be changed"

after circuit creation."
::= { circuitCrossConnectEntry 1 }

circuitCrossConnectIfIndex1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "LPort interface number of circuit endpoint 1."
::= { circuitCrossConnectEntry 2 }

circuitCrossConnectDLCI1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "DLCI of circuit endpoint 1 (if applicable)."
::= { circuitCrossConnectEntry 3 }

circuitCrossConnectVPI1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION " VPI of circuit endpoint 1 (if applicable)."
::= { circuitCrossConnectEntry 4 }

circuitCrossConnectVCI1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION " VCI of circuit endpoint 1 (if applicable)."
::= { circuitCrossConnectEntry 5 }

circuitCrossConnectSwitchId2 OBJECT-TYPE
SYNTAX IpAddress
MAX-ACCESS read-only
STATUS current
DESCRIPTION "IP Address of circuit endpoint 2."
::= { circuitCrossConnectEntry 6 }

circuitCrossConnectIfIndex2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "LPort interface number of circuit endpoint 2."
::= { circuitCrossConnectEntry 7 }

circuitCrossConnectDLCI2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only

STATUS current
DESCRIPTION "DLCI of circuit endpoint 2 (if applicable)."
::= { circuitCrossConnectEntry 8}

circuitCrossConnectVPI2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION " VPI of circuit endpoint 2 (if applicable)."
::= { circuitCrossConnectEntry 9}

circuitCrossConnectVCI2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION " VCI of circuit endpoint 2 (if applicable)."
::= { circuitCrossConnectEntry 10}

circuitCrossConnectCircuitName OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Name of circuit. This attribute is mandatory for circuit
creation
but cannot be modified."
::= { circuitCrossConnectEntry 11}

circuitCrossConnectSegmentSize OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "circuit segment size "
DEFVAL {0}
::= { circuitCrossConnectEntry 12}

circuitCrossConnectTranslationType OBJECT-TYPE
SYNTAX INTEGER {
 none(1),
 xlation1490and1483(2),
 xlation1483and1490(3)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "circuit translation type"
::= { circuitCrossConnectEntry 13}

circuitCrossConnectAdminStatus OBJECT-TYPE

```

SYNTAX INTEGER {
    down(1),
    up(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Administrative Status for the Circuit This attribute is
            mandatory for circuit creation and also can be modified. "
::= { circuitCrossConnectEntry 14}

circuitCrossConnectBandwidthPriority OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "circuit bandwidth priority"
    DEFVAL {0}
    ::= { circuitCrossConnectEntry 15}

circuitCrossConnectBumpingPriority OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " bumping priority."
    DEFVAL {0}
    ::= { circuitCrossConnectEntry 16}

circuitCrossConnectUpcFunction OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This attribute is mandatory for circuit creation and also
can be modified."
    ::= { circuitCrossConnectEntry 17}

circuitCrossConnectCDVTolerance OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This attribute is mandatory for circuit creation and also
can be modified."
    ::= { circuitCrossConnectEntry 18}

circuitCrossConnectOAMAlarmsEnabled OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),

```

```

        enabled(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "1 indicates OAM alarms are disabled; 2 indicates they are
enabled. This
        attribute is mandatory for circuit creation and also can be
modified."
    ::= { circuitCrossConnectEntry 19}

circuitCrossConnectCellLossPriority OBJECT-TYPE
    SYNTAX INTEGER { clp0 (1), clp1(2), frde(3) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "0 indicates CLP is disabled;
        1 indicates CLP is enabled.
        2 indicates that CLP is set to whatever DE is set to.
        This attribute is mandatory for circuit creation and also
can be
        modified. "
    ::= { circuitCrossConnectEntry 20}

circuitCrossConnectDiscardEligibility OBJECT-TYPE
    SYNTAX INTEGER { de0(1), de1(2), atmclp(3) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "0 indicates DE is disabled;
        1 indicates DE is enabled.
        2 indicates that DE is set to whatever CLP is set to."
    ::= { circuitCrossConnectEntry 21}

circuitCrossConnectVpnName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Circuit VPN name"
    ::= { circuitCrossConnectEntry 22}

circuitCrossConnectCustomerName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "customer name"
    ::= { circuitCrossConnectEntry 23}

circuitCrossConnectPrivateNetOverflow OBJECT-TYPE
    SYNTAX INTEGER {
        restricted(1),

```

```

        public(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This attribute is mandatory for circuit creation and also
can be modified."
    ::= { circuitCrossConnectEntry 24}

circuitCrossConnectRerouteBalancing OBJECT-TYPE
    SYNTAX INTEGER {
        enabled(1),
        disabled(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "circuit reroute balancing."
    ::= { circuitCrossConnectEntry 25}

circuitCrossConnectCircuitType OBJECT-TYPE
    SYNTAX INTEGER {
        vpc(1),
        vcc(2)
    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Circuit type for ATM Cell-Based Circuits. For Provisioning
Server the circuit type is determined by the values of
vpi/vci
used by the endpoints while creating the circuit. For a
atm-atm circuit if the vci values are zero for both
endpoints
then it is considered as VPC circuit otherwise it is a
VCC circuit "
    ::= { circuitCrossConnectEntry 26}

circuitCrossConnectRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
made active by client.
        notReady(3) - Row has been created but contains holes, waiting
for client to finish.
        createAndGo(4) - Not supported.

```

createAndWait(5) - Create new row.
destroy(6) - Delete an existing row.

The following attributes are mandatory to create a new ATM circuit
(on a CBX):

=====

circuitCrossConnectAdminStatus, circuitCrossConnectUpcFunction,
circuitCrossConnectCDVTolerance,
circuitCrossConnectOAMAlarmsEnabled,
circuitCrossConnectPrivateNetOverflow "

::= { circuitCrossConnectEntry 27 }

circuitCrossConnectModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the
database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { circuitCrossConnectEntry 28 }

circuitCrossConnectEndpoint1 OBJECT-TYPE

SYNTAX INTEGER {

framerelay (1),

smds (2),

atm (3),

other (4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The lport service type of circuit endpoint 1"

::= { circuitCrossConnectEntry 29 }

circuitCrossConnectEndpoint2 OBJECT-TYPE

SYNTAX INTEGER {

framerelay (1),

smds (2),

```
        atm (3),
        other (4)
    }
    MAX-ACCESS    read-only
    STATUS current
    DESCRIPTION
    "The lport service type of circuit endpoint 1"
    ::= { circuitCrossConnectEntry 30 }
```

```
circuitCrossConnectNetworkId1 OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
    " The Network Number of the Endpoint if the first lport used to create
      this circuit has a Service Name binding. "
    ::= { circuitCrossConnectEntry 31 }
```

```
circuitCrossConnectServiceName1 OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
    " The Service Name of the Endpoint if the first lport used to create
      this circuit has a Service Name binding. "
    ::= { circuitCrossConnectEntry 32 }
```

```
circuitCrossConnectNetworkId2 OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
    " The Network Number of the Endpoint if the second lport used to create
      this circuit has a Service Name binding. "
    ::= { circuitCrossConnectEntry 33 }
```

```
circuitCrossConnectServiceName2 OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
    " The Service Name of the Endpoint if the second lport used to create
      this circuit has a Service Name binding. "
    ::= { circuitCrossConnectEntry 34 }
```

```
circuitCrossConnectNumRetries OBJECT-TYPE
    SYNTAX INTEGER (0..5)
```

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION "Number of retries for the set if the card status
             for any of the endpoints is down."
DEFVAL {0}
::= { circuitCrossConnectEntry 35}

circuitCrossConnectAdminCostThreshold OBJECT-TYPE
    SYNTAX Integer32 (0.. '7FFFFFFF'h)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Maximum allowable admin cost for the circuit.
                 If no paths are available with cost less than or
                 equal to this value, the circuit is not established.
                 Default value is 0 which means invalid, valid values range
                 from 1 to 0x7FFFFFFF."
    DEFVAL {0}
    ::= { circuitCrossConnectEntry 36}

circuitCrossConnectTrafficMgmtCtdStatus OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Attribute describing whether the
                 circuitCrossConnectTrafficMgmtCtd is applicable or
not "
    DEFVAL {disabled}
    ::= { circuitCrossConnectEntry 37 }

circuitCrossConnectTrafficMgmtCtd OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The accumulated Cell Transfer Delay for this circuit"
    ::= { circuitCrossConnectEntry 38 }

circuitCrossConnectAlias OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Alias of circuit. This attribute is not mandatory for
circuit creation
                 and can be modified. By default it will take the value of
circuit name"
    ::= { circuitCrossConnectEntry 39}

```

```

circuitCrossConnectFrToAtmEFCI OBJECT-TYPE
    SYNTAX INTEGER {
        frfecn (1),
        efcio (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "EFCI mapping for Frame Relay To ATM Service Interworking
circuits."
    ::= { circuitCrossConnectEntry 40 }

circuitCrossConnectIsMgmtCkt OBJECT-TYPE
    SYNTAX INTEGER {
        no (0),
        yes (1)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This attribute defines the status of the circuit for
management purposes. If this attribute is set to 'yes'
the circuit will be included in the switch initialization
script. If set to 'no', it will not be included in the
initialization script."
    ::= { circuitCrossConnectEntry 41 }

--
-- Circuit root table - contains instances of circuit root objects
-- containing point - multipoint attributes.
--

circuitPmpRootTable OBJECT-TYPE
    SYNTAX SEQUENCE OF CircuitPmpRootEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of root circuit entries."
    ::= { circuitConfiguration 6}

circuitPmpRootEntry OBJECT-TYPE
    SYNTAX CircuitPmpRootEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes associated with a root circuit."
    INDEX {switchIdIndex,
        lportIfIndex,

```

```
        vpiIndex,  
        vciIndex}  
 ::= { circuitPmpRootTable 1 }
```

```
CircuitPmpRootEntry ::=  
SEQUENCE {  
    circuitPmpRootSlotId  
        Integer32,  
    circuitPmpRootPportId  
        Integer32,  
    circuitPmpRootLportId  
        Integer32,  
    circuitPmpRootRootName  
        DisplayString,  
    circuitPmpRootTrafficDescrParam1  
        Integer32,  
    circuitPmpRootTrafficDescrParam2  
        Integer32,  
    circuitPmpRootTrafficDescrParam3  
        Integer32,  
    circuitPmpRootQosClass  
        INTEGER,  
    circuitPmpRootRerouteBalancing  
        INTEGER,  
    circuitPmpRootPriority  
        Integer32,  
    circuitPmpRootCdvTolerance  
        Integer32,  
    circuitPmpRootCircuitType  
        INTEGER,  
    circuitPmpRootRowStatus  
        RowStatus,  
    circuitPmpRootModifyType  
        INTEGER,  
    circuitPmpRootAcctChrgPartyId  
        OCTET STRING,  
    circuitPmpRootAcctUsageMeasure  
        INTEGER,  
    circuitPmpRootAcctPvcControl  
        INTEGER,  
    circuitPmpRootPrivateNetOverflow  
        INTEGER,  
    circuitPmpRootTrafficDescrType  
        INTEGER,  
    circuitPmpRootNdcEnable  
        INTEGER,  
    circuitPmpRootTotalPVCsEnabledOnCard  
        Integer32,
```

```

    circuitPmpRootLimitOfPVCsEnabledOnCard
        Integer32,
    circuitPmpRootClp0CellThresh1
        Integer32,
    circuitPmpRootClp1CellThresh1
        Integer32
}

circuitPmpRootSlotId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Slot Id."
    ::= { circuitPmpRootEntry 1}

circuitPmpRootPportId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Pport Id."
    ::= { circuitPmpRootEntry 2}

circuitPmpRootLportId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Lport Id."
    ::= { circuitPmpRootEntry 3}

circuitPmpRootRootName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Name of root circuit. The attribute cannot be modified
after creation."
    ::= { circuitPmpRootEntry 4}

circuitPmpRootTrafficDescrParam1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor parameter 1.
    The attribute cannot be modified after creation."
    ::= { circuitPmpRootEntry 5}

circuitPmpRootTrafficDescrParam2 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write

```

STATUS current
DESCRIPTION "The Traffic Descriptor parameter 2.
The attribute cannot be modified after creation."
::= { circuitPmpRootEntry 6}

circuitPmpRootTrafficDescrParam3 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 3.
The attribute cannot be modified after creation."
::= { circuitPmpRootEntry 7}

circuitPmpRootQosClass OBJECT-TYPE
SYNTAX INTEGER {
 cbr (1),
 vbrRealTime (2),
 vbrNonRealTime (3),
 ubr (4),
 abr (5),
 unspCbr (6),
 unspVbrNonRealTime (7),
 unspBestEffort (8)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Quality of Service of ATM/Cascade connection.
The attribute cannot be modified after creation."
DEFVAL {cbr}
::= { circuitPmpRootEntry 8}

circuitPmpRootRerouteBalancing OBJECT-TYPE
SYNTAX INTEGER { enabled (1), disabled(2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Setting this variable controls the use of rerouting to
balance link usage."
DEFVAL {enabled}
::= { circuitPmpRootEntry 9}

circuitPmpRootPriority OBJECT-TYPE
SYNTAX Integer32 (1..4)
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Circuit Priority level for the connection.

valid ranges :
For VBR Real Time QOS Class - 1 to 4.

For VBR Non-Real Time QOS Class - 1 to 3.
The attribute cannot be modified after creation."
::= { circuitPmpRootEntry 10}

circuitPmpRootCdvTolerance OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Cell Delay Variation Tolerance for the Point to
MultiPoint Circuit"
DEFVAL {600}
::= { circuitPmpRootEntry 11}

circuitPmpRootCircuitType OBJECT-TYPE
SYNTAX INTEGER { vpc(1), vcc(2) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Type of circuit."
DEFVAL {vcc}
::= { circuitPmpRootEntry 12}

circuitPmpRootRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but not
made active by client.
notReady(3) - Row has been created but contains holes,
waiting for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { circuitPmpRootEntry 13}

circuitPmpRootModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."

DEFVAL {normal}
::= { circuitPmpRootEntry 14 }

circuitPmpRootAcctChrgPartyId OBJECT-TYPE
SYNTAX OCTET STRING(SIZE(1..16))
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This object defines a 1 to 16 digit decimal chargeable party for this ATM PVC, per Bellcore GR-1110-CORE.

Note: this object is read-only after initial provisioning of the circuit."

::= { circuitPmpRootEntry 15}

circuitPmpRootAcctUsageMeasure OBJECT-TYPE
SYNTAX INTEGER {
 disabled (1),
 egress (2),
 ingress (3),
 enabled (4)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This object is used to enable or disable the recording of usage counts (e.g., cell or frame counts) for an ATM PVC.

disabled = No usage counts are generated for this circuit
egress = Egress usage counts are generated, where egress refers to data sent to the user (on a UNI) or to the network (on a network interface).

ingress = Ingress usage counts are generated, where ingress refers to data received from the user (on a UNI) or from the network (on a network interface).
enabled = Both ingress and egress counts are generated

Note: usage records are not generated if PVC Recording (circuitPmpRootAcctPvcControl) is disabled.

This object is defined at the user (UNI) and network interfaces (B-ICI and NNI).

The default value of this object is disabled(1) at the UNI and disabled(1) at the network interface.

Note: this object is read-only after initial provisioning of the circuit."

::= { circuitPmpRootEntry 16}

```
circuitPmpRootAcctPvcControl OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2),
        study (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This object is used to enable or disable ATM PVC recording
        for accounting purposes.
```

```
        disabled = The PVC will not be recorded at this interface
        enabled  = The PVC will be recorded at this interface
        study    = The PVC will be recorded and marked as study
                   (as defined by Bellcore GR-1110-CORE)
```

```
    This object is defined at the user (UNI) and network
    interfaces (B-ICI and NNI).
```

```
    The default value of this object is enabled(2) at the UNI
    and enabled(2) at the network interface."
```

```
::= { circuitPmpRootEntry 17}
```

```
circuitPmpRootPrivateNetOverflow OBJECT-TYPE
    SYNTAX INTEGER { restricted(1), public(2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Indicates how private network circuits are handled,
        when the resources of the network have become exhausted.
        If set to public, the resources of the public network
        can be used during overflow conditions. The attribute cannot
        be modified after creation."
    DEFVAL {public}
    ::= { circuitPmpRootEntry 18}
```

```
circuitPmpRootTrafficDescrType OBJECT-TYPE
    SYNTAX INTEGER {
        pcrClp0PcrClp01 (1),
        pcrClp0PcrClp01Tagging (2),
        pcrClp01ScrClp0MbsClp0 (3),
        pcrClp01ScrClp0MbsClp0Tagging (4),
        pcrClp01 (5),
        pcrClp01ScrClp01MbsClp01 (6),
        bestEffort (7),
        pcrClp0McrClp0 (8),
        unspBestEffort(9)
    }
```

MAX-ACCESS read-write
STATUS current
DESCRIPTION "The combination of traffic parameters for the circuit.
The attribute cannot be modified after creation."
DEFVAL { pcrClp0PcrClp01}
::= { circuitPmpRootEntry 19}

circuitPmpRootNdcEnable OBJECT-TYPE
SYNTAX INTEGER { off (1), on(2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Enable/disable Network Data Collection for a PVC on an IOM."
::= { circuitPmpRootEntry 20}

circuitPmpRootTotalPVCsEnabledOnCard OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Total PVCs enabled on this card."
::= { circuitPmpRootEntry 21}

circuitPmpRootLimitOfPVCsEnabledOnCard OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Limit of NDC monitored PVCs on the card."
::= { circuitPmpRootEntry 22}

circuitPmpRootClp0CellThresh1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "A count of user+OAM CLP=0 cells incoming on a circuit,
discarded due to UPC/NPC policing within the Network Data
Collection current 15-minute interval. An alarm is issued
once
in the current interval upon crossing of that threshold
provided that the threshold is greater than 0 (default)."
::= { circuitPmpRootEntry 23}

circuitPmpRootClp1CellThresh1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"A threshold count of user+OAM CLP=0+1 cells incoming on a circuit,
discarded due to UPC/NPC policing within the Network Data
Collection current 15-minute interval. An alarm is issued once
in the current interval upon crossing of that threshold provided
that the threshold is greater than 0 (default)."

::= { circuitPmpRootEntry 24}

--
-- Circuit Leaf table - contains instances of circuit leaf objects
associated with point to multipoint circuits.
--

circuitPmpLeafTable OBJECT-TYPE

SYNTAX SEQUENCE OF CircuitPmpLeafEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A list of leaf circuit entries. Note that although this table
uses both the leaf and the root as indeces,
each leaf can only be used once; that is, the
{switchIdIndex, lportIfIndex, vpiIndex,vciIndex} tuple must be
unique for each entry in the table."

::= { circuitConfiguration 7 }

circuitPmpLeafEntry OBJECT-TYPE

SYNTAX CircuitPmpLeafEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A group of attributes associated with a leaf circuit."

INDEX { switchIdIndex, -- IP Address of the circuit root
lportIfIndex, -- Interface number of the circuit root
vpiIndex, -- VPI of the circuit root
vciIndex, -- VCI of the circuit root
circuitPmpLeafSwitchIdIndex, -- IP Address of the leaf
circuitPmpLeafLportIfIndex, -- Interface number of the leaf
circuitPmpLeafVpiIndex, -- VPI of the leaf
circuitPmpLeafVciIndex -- VCI of the leaf
}

::= { circuitPmpLeafTable 1 }

CircuitPmpLeafEntry ::=
SEQUENCE {

```

circuitPmpLeafAdminStatus
    INTEGER,
circuitPmpLeafAcctChrgPartyId
    OCTET STRING,
circuitPmpLeafAcctUsageMeasure
    INTEGER,
circuitPmpLeafAcctPvcControl
    INTEGER,
circuitPmpLeafRowStatus
    RowStatus,
circuitPmpLeafModifyType
    INTEGER,
circuitPmpLeafSwitchIdIndex
    IpAddress,
circuitPmpLeafLportIfIndex
    Integer32,
circuitPmpLeafVpiIndex
    Integer32,
circuitPmpLeafVciIndex
    Integer32
}

```

```

circuitPmpLeafAdminStatus OBJECT-TYPE
    SYNTAX INTEGER {
        down(1),
        up(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Admin Status of the Leaf"
    ::= { circuitPmpLeafEntry 1}

```

```

circuitPmpLeafAcctChrgPartyId OBJECT-TYPE
    SYNTAX OCTET STRING(SIZE(1..16))
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This object defines a 1 to 16 digit decimal chargeable
        party for this ATM PVC, per Bellcore GR-1110-CORE.

```

Note: this object is read-only after initial provisioning
of the circuit."

```

    ::= { circuitPmpLeafEntry 2}

```

```

circuitPmpLeafAcctUsageMeasure OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        egress (2),
        ingress (3),

```

```
        enabled (4)
    }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This object is used to enable or disable the recording of
usage counts (e.g., cell or frame counts) for an ATM PVC.
```

```
disabled = No usage counts are generated for this circuit
egress   = Egress usage counts are generated, where egress
           refers to data sent to the user (on a UNI) or to
           the network (on a network interface).
ingress  = Ingress usage counts are generated, where
ingress  refers to data received from the user (on a UNI)
           or from the network (on a network interface).
enabled  = Both ingress and egress counts are generated
```

Note: usage records are not generated if PVC Recording (circuitPmpLeafAcctPvcControl) is disabled.

This object is defined at the user (UNI) and network interfaces (B-ICI and NNI).

The default value of this object is disabled(1) at the UNI and disabled(1) at the network interface.

Note: this object is read-only after initial provisioning of the circuit."

```
::= { circuitPmpLeafEntry 3}
```

circuitPmpLeafAcctPvcControl OBJECT-TYPE

```
SYNTAX INTEGER {
    disabled (1),
    enabled  (2),
    study    (3)
}
```

MAX-ACCESS read-write

STATUS current

DESCRIPTION "This object is used to enable or disable ATM PVC recording for accounting purposes.

```
disabled = The PVC will not be recorded at this interface
enabled  = The PVC will be recorded at this interface
study    = The PVC will be recorded and marked as study
           (as defined by Bellcore GR-1110-CORE)
```

This object is defined at the user (UNI) and network

interfaces (B-ICI and NNI).

The default value of this object is enabled(2) at the UNI
and enabled(2) at the network interface."

::= { circuitPmpLeafEntry 4 }

circuitPmpLeafRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not
made active by client.

notReady(3) - Row has been created but contains ?holes?,
waiting for client to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { circuitPmpLeafEntry 5 }

circuitPmpLeafModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the
database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { circuitPmpLeafEntry 6 }

circuitPmpLeafSwitchIdIndex OBJECT-TYPE

SYNTAX IpAddress

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION "Switch ID (index)."

::= { circuitPmpLeafEntry 7 }

circuitPmpLeafLportIfIndex OBJECT-TYPE

SYNTAX Integer32 (1..65535)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION "Interface number ID (index)"

```

 ::= { circuitPmpLeafEntry 8 }

circuitPmpLeafVpiIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Circuit VPI (index)"
    ::= { circuitPmpLeafEntry 9 }

circuitPmpLeafVciIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Circuit VCI (index)"
    ::= { circuitPmpLeafEntry 10 }

-- AtmCircuitBillingTable
-- contains the atm billing attributes for the CBX500 ATM switch

atmCircuitBillingTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AtmCircuitBillingEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "contains the atm billing attributes for the CBX500 ATM switch."
    ::= { circuitConfiguration 8 }

atmCircuitBillingEntry OBJECT-TYPE
    SYNTAX AtmCircuitBillingEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "attributes associated with atm billing for an atm ckt"
    INDEX {circuitIndex}
    ::= { atmCircuitBillingTable 1 }

AtmCircuitBillingEntry ::=
    SEQUENCE {
        atmCircuitBillingCircuitName
            DisplayString,
        atmCircuitBillingAcctChrgPartyId1
            DisplayString,
        atmCircuitBillingAcctUsageMeasure1
            INTEGER,
        atmCircuitBillingAcctPvcControl1
            INTEGER,
        atmCircuitBillingAcctChrgPartyId2
            DisplayString,

```

```

    atmCircuitBillingAcctUsageMeasure2
        INTEGER,
    atmCircuitBillingAcctPvcControl2
        INTEGER,
    atmCircuitBillingRowStatus
        RowStatus,
    atmCircuitBillingModifyType
        INTEGER,
    atmCircuitBillingNumRetries
        Integer32
}

atmCircuitBillingCircuitName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Name of the atm circuit."
    ::= { atmCircuitBillingEntry 1}

atmCircuitBillingAcctChrgPartyId1 OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Chargeable party ID on logical port endpoint 1."
    ::= { atmCircuitBillingEntry 2}

atmCircuitBillingAcctUsageMeasure1 OBJECT-TYPE
    SYNTAX INTEGER {
        usageDisabled (1),
        usageEgress (2),
        usageIngress (3),
        usageEnabled (4)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Usage measure on logical port endpoint 1."
    ::= { atmCircuitBillingEntry 3}

atmCircuitBillingAcctPvcControl1 OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2),
        study (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "PVC accounting on logical port endpoint 1."
    ::= { atmCircuitBillingEntry 4}

```

atmCircuitBillingAcctChrgPartyId2 OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Chargeable party ID on logical port endpoint 2."
::= {atmCircuitBillingEntry 5}

atmCircuitBillingAcctUsageMeasure2 OBJECT-TYPE
SYNTAX INTEGER {
 usageDisabled (1),
 usageEgress (2),
 usageIngress (3),
 usageEnabled (4)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Usage measure on logical port endpoint 2."
::= {atmCircuitBillingEntry 6}

atmCircuitBillingAcctPvcControl2 OBJECT-TYPE
SYNTAX INTEGER {
 disabled (1),
 enabled (2),
 study (3)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "PVC accounting on logical port endpoint 2."
::= {atmCircuitBillingEntry 7}

atmCircuitBillingRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Row status active(1) - Row is currently usable.
 notInService(2) - Row has been created and initialized but not
 made active by client.
 notReady(3) - Row has been created but contains ?holes?,
 waiting for client to finish.
 createAndGo(4) - Not supported.
 createAndWait(5) - Create new row.
 destroy(6) - Delete an existing row."

 ::= { atmCircuitBillingEntry 8}

atmCircuitBillingModifyType OBJECT-TYPE

```

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "By default, writes are stored to the database and the switch.
    Set this to dbOnly to send writes only to the database.
    dbOnlySetOutOfSync sends
    writes to the database and sets the Out of Sync flag in the
database.
    This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { atmCircuitBillingEntry 9}

```

```

atmCircuitBillingNumRetries OBJECT-TYPE
    SYNTAX Integer32 (0..5)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Number of retries for the set if the card status
        for any of the endpoints is down."
    DEFVAL {0}
    ::= { atmCircuitBillingEntry 10}

```

```
-- Frame Relay Accounting & Billing -circuit
```

```

frCircuitBillingTable OBJECT-TYPE
    SYNTAX SEQUENCE OF FrCircuitBillingEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "contains the fr billing attributes for the Frame Relay
Circuits."
    ::= { circuitConfiguration 16 }

```

```

frCircuitBillingEntry OBJECT-TYPE
    SYNTAX FrCircuitBillingEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "attributes associated with frame relay Accounting &
        billing for a frame ckt "
    INDEX {circuitIndex}
    ::= { frCircuitBillingTable 1}

```

```

FrCircuitBillingEntry ::=
    SEQUENCE {
        frCircuitBillingCircuitName
        DisplayString,

```

```

frCircuitBillingAcctChrgPartyId1
    DisplayString,
frCircuitBillingAcctUsageMeasure1
    INTEGER,
frCircuitBillingAcctPvcControl1
    INTEGER,
frCircuitBillingPvcParamRecording1
    INTEGER,
frCircuitBillingAcctChrgPartyId2
    DisplayString,
frCircuitBillingAcctUsageMeasure2
    INTEGER,
frCircuitBillingAcctPvcControl2
    INTEGER,
frCircuitBillingPvcParamRecording2
    INTEGER,
frCircuitBillingRowStatus
    RowStatus,
frCircuitBillingModifyType
    INTEGER
}

frCircuitBillingCircuitName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Name of the fr circuit."
    ::= { frCircuitBillingEntry 1 }

frCircuitBillingAcctChrgPartyId1 OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Chargeable party ID on logical port endpoint 1."
    ::= { frCircuitBillingEntry 2 }

frCircuitBillingAcctUsageMeasure1 OBJECT-TYPE
    SYNTAX INTEGER {
        none (1),
        bytes (2),
        frames (3),
        bytesAndFrames (4),
        deBytes (5),
        bytesAndDeBytes (6),
        framesAndDeBytes (7),
        all (8)
    }
    MAX-ACCESS read-write

```

```

STATUS current
DESCRIPTION " Usage measure on logical port endpoint 1."
::= {frCircuitBillingEntry 3}

frCircuitBillingAcctPvcControl1 OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2),
        study (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "PVC accounting on logical port endpoint 1."
    ::= {frCircuitBillingEntry 4}

frCircuitBillingPvcParamRecording1 OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "PVC Param Recording accounting on logical port end point
1."
    ::= {frCircuitBillingEntry 5}

frCircuitBillingAcctChrgPartyId2 OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Chargeable party ID on logical port endpoint 2."
    ::= {frCircuitBillingEntry 6}

frCircuitBillingAcctUsageMeasure2 OBJECT-TYPE
    SYNTAX INTEGER {
        none (1),
        bytes (2),
        frames (3),
        bytesAndFrames(4),
        deBytes (5),
        bytesAndDeBytes (6),
        framesAndDeBytes (7),
        all (8)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Usage measure on logical port endpoint 2."
    ::= {frCircuitBillingEntry 7}

```

```

frCircuitBillingAcctPvcControl2 OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2),
        study (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "PVC accounting on logical port endpoint 2."
    ::= { frCircuitBillingEntry 8}

frCircuitBillingPvcParamRecording2 OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "PVC Param Recording accounting on logical port end point
2."
    ::= { frCircuitBillingEntry 9}

frCircuitBillingRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
            made active by client.
        notReady(3) - Row has been created but contains \021holes\022,
            waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."

    ::= { frCircuitBillingEntry 10}

frCircuitBillingModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends writes to the database and sets
        the Out of Sync flag in the database."

```

```

        This value is re-set to normal after every transaction."
        DEFVAL {normal}
        ::= { frCircuitBillingEntry 11}

-- end Frame Relay Accounting & Billing Circuit

-- AtmCircuitNdcTable

atmCircuitNdcTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AtmCircuitNdcEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "contains the atm NDC attributes for the CBX500 ATM switch."
    ::= { circuitConfiguration 9 }

atmCircuitNdcEntry OBJECT-TYPE
    SYNTAX AtmCircuitNdcEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "attributes associated with atm NDC for an atm ckt"
    INDEX {circuitIndex}
    ::= { atmCircuitNdcTable 1 }

AtmCircuitNdcEntry ::=
    SEQUENCE {
        atmCircuitNdcCircuitName
            DisplayString,
        atmCircuitNdcEnable1
            INTEGER,
        atmCircuitNdcTotalPVCsEnabledOnCard1
            Integer32,
        atmCircuitNdcLimitOfPVCsEnabledOnCard1
            Integer32,
        atmCircuitNdcClp0CellThresh1
            Integer32,
        atmCircuitNdcClp1CellThresh1
            Integer32,
        atmCircuitNdcEnable2
            INTEGER,
        atmCircuitNdcTotalPVCsEnabledOnCard2
            Integer32,
        atmCircuitNdcLimitOfPVCsEnabledOnCard2
            Integer32,
        atmCircuitNdcClp0CellThresh2
            Integer32,

```

```

    atmCircuitNdcClp1CellThresh2
        Integer32,
    atmCircuitNdcRowStatus
        RowStatus,
    atmCircuitNdcModifyType
        INTEGER,
    atmCircuitNdcNumRetries
        Integer32
}

atmCircuitNdcCircuitName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Name of the atm circuit."
    ::= { atmCircuitNdcEntry 1}

atmCircuitNdcEnable1 OBJECT-TYPE
    SYNTAX INTEGER {
        off (1),
        on (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "NDC enable/disable on Logical port Endpoint 1"
    ::= { atmCircuitNdcEntry 2}

atmCircuitNdcTotalPVCsEnabledOnCard1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Total PVCs enabled on card, on logical port endpoint 1."
    ::= { atmCircuitNdcEntry 3}

atmCircuitNdcLimitOfPVCsEnabledOnCard1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Limit of PVCs Enabled per Card, on logical port endpoint
1."
    ::= { atmCircuitNdcEntry 4}

atmCircuitNdcClp0CellThresh1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Incoming discarded CLP=0 NDC threshold on logical port 1."
    ::= { atmCircuitNdcEntry 5}

```

atmCircuitNdcClp1CellThresh1 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Incoming discarded CLP=0+1 NDC threshold on logical port 1"
 ::= { atmCircuitNdcEntry 6}

atmCircuitNdcEnable2 OBJECT-TYPE
SYNTAX INTEGER {
 off (1),
 on (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "NDC enable/disable on Logical port Endpoint 2"
 ::= { atmCircuitNdcEntry 7}

atmCircuitNdcTotalPVCsEnabledOnCard2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Total PVCs enabled on card, on logical port endpoint 2"
 ::= { atmCircuitNdcEntry 8}

atmCircuitNdcLimitOfPVCsEnabledOnCard2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Limit of PVCs Enabled per Card, on logical port endpoint 2"
 ::= { atmCircuitNdcEntry 9}

atmCircuitNdcClp0CellThresh2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Incoming discarded CLP=0 NDC threshold on logical port 2."
 ::= { atmCircuitNdcEntry 10}

atmCircuitNdcClp1CellThresh2 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Incoming discarded CLP=0+1 NDC threshold on logical port 2."
 ::= { atmCircuitNdcEntry 11}

atmCircuitNdcRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not
made active by client.

notReady(3) - Row has been created but contains holes,
waiting for client to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { atmCircuitNdcEntry 12 }

atmCircuitNdcModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the
database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { atmCircuitNdcEntry 13 }

atmCircuitNdcNumRetries OBJECT-TYPE

SYNTAX Integer32 (0..5)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Number of retries for the set if the card status
for any of the endpoints is down."

DEFVAL {0}

::= { atmCircuitNdcEntry 14 }

-- Circuit Soft PVC Table.

circuitSpvcTable OBJECT-TYPE

SYNTAX SEQUENCE OF CircuitSpvcEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

" A list of Soft PVC Point to Point circuit entries."

::= { circuitConfiguration 10 }

circuitSpvcEntry OBJECT-TYPE
SYNTAX CircuitSpvcEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "A group of attributes associated with Soft PVC circuit"
INDEX {switchIdIndex,
 lportIfIndex,
 vpiIndex,
 vciIndex }
::= { circuitSpvcTable 1 }

CircuitSpvcEntry ::=

SEQUENCE {
 circuitSpvcSlotId
 Integer32,
 circuitSpvcPportId
 Integer32,
 circuitSpvcLportId
 Integer32,
 circuitSpvcName
 DisplayString,
 circuitSpvcTerminatingEndpointAddress
 OCTET STRING,
 circuitSpvcAdminStatus
 INTEGER,
 circuitSpvcCircuitType
 INTEGER,
 circuitSpvcTargetSelectType
 INTEGER,
 circuitSpvcRetryInterval
 Integer32,
 circuitSpvcRetryLimit
 Integer32,
 circuitSpvcForwardTrafficDescriptor
 DisplayString,
 circuitSpvcReverseTrafficDescriptor
 DisplayString,
 circuitSpvcRowStatus
 RowStatus,
 circuitSpvcModifyType
 INTEGER,
 circuitSpvcTargetVpi
 INTEGER,
 circuitSpvcTargetVci
 INTEGER
}

```

circuitSpvcSlotId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Slot Id."
    ::= { circuitSpvcEntry 1}

circuitSpvcPportId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Pport Id."
    ::= { circuitSpvcEntry 2}

circuitSpvcLportId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Lport Id."
    ::= { circuitSpvcEntry 3}

circuitSpvcName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Soft PVC Circuit Name. The attribute cannot be modified
    after creation."
    ::= { circuitSpvcEntry 4}

circuitSpvcTerminatingEndpointAddress OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE(1..20))
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The complete Address of the SVC Endpoint"
    ::= { circuitSpvcEntry 6 }

circuitSpvcAdminStatus OBJECT-TYPE
    SYNTAX INTEGER {
        down (1),
        up (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Soft PVC Circuit Admin Status"
    ::= { circuitSpvcEntry 11 }

circuitSpvcCircuitType OBJECT-TYPE

```

SYNTAX INTEGER { spvpc (1), spvcc(2) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION "The circuit type for Soft PVC circuits."
DEFVAL {spvcc}
::= { circuitSpvcEntry 12 }

circuitSpvcTargetSelectType OBJECT-TYPE
SYNTAX INTEGER { required(1), any(2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Indicates whether the target VPI/VCI values
are to be used at the destination.

If the value 'any' is specified, the destination
switch will choose the VPI/VCI values. Once the Circuit is
enestablished, the value of this object changes to
'required',
such that the same VPI/VCI values will continue to be used
even if the connection is subsequently torn down and
re-established.

Required is not supported on Cascade Switches for now. "
::= { circuitSpvcEntry 13 }

circuitSpvcRetryInterval OBJECT-TYPE
SYNTAX Integer32 (0..3600)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Defines the period to wait before attempting
to establish the Soft PVC after the first failed call
attempt. Zero represents an infinite interval indicating
no
retries."

DEFVAL {0}
::= { circuitSpvcEntry 14 }

circuitSpvcRetryLimit OBJECT-TYPE
SYNTAX Integer32 (0..65535)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Sets a maximum limit on how many consecutive unsuccessful
call setup attempts can be made before stopping the attempt
to set up the connection. If this limit is reached then
management action will be required to initiate a new

attempt
to establish the connection. A value of zero indicates
no limit - the attempts will continue until successful."
DEFVAL {0}
::= { circuitSpvcEntry 15 }

circuitSpvcForwardTrafficDescriptor OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The name of the Traffic Descriptor to be used for this
Soft PVC
circuit. All valid names can be obtained from the
TrafficDescriptor
table of provserv.mib"
::= { circuitSpvcEntry 16 }

circuitSpvcReverseTrafficDescriptor OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The name of the Traffic Descriptor to be used for this
Soft PVC
circuit. All valid names can be obtained from the
TrafficDescriptor
table of provserv.mib"
::= { circuitSpvcEntry 17 }

circuitSpvcRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but not
made active by client.
notReady(3) - Row has been created but contains holes.
waiting for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { circuitSpvcEntry 18 }

circuitSpvcModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION

"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends writes to the database and sets the
Out of Sync flag in the database.
This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { circuitSpvcEntry 19 }

circuitSpvcTargetVpi OBJECT-TYPE
SYNTAX INTEGER (0..4095)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The Target Vpi value when the TargetSelectType is set to
 'Required'."
DEFVAL {0}
::= { circuitSpvcEntry 20 }

circuitSpvcTargetVci OBJECT-TYPE
SYNTAX INTEGER (0..65535)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The Target Vci value when the TargetSelectType is set to
 'Required'."
DEFVAL {0}
::= { circuitSpvcEntry 21 }

-- Point to MultiPoint Soft PVC Root Table

circuitSpvcPmpRootTable OBJECT-TYPE
SYNTAX SEQUENCE OF CircuitSpvcPmpRootEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 " A list of Soft PVC Point to MultiPoint circuit Root entries."
::= { circuitConfiguration 11 }

circuitSpvcPmpRootEntry OBJECT-TYPE
SYNTAX CircuitSpvcPmpRootEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "A group of attributes associated with Soft PVC circuit"
INDEX {switchIdIndex,
 lportIfIndex,

```
        vpiIndex,  
        vciIndex }  
 ::= { circuitSpvcPmpRootTable 1 }
```

```
CircuitSpvcPmpRootEntry ::=  
SEQUENCE {  
    circuitSpvcPmpRootSlotId  
        Integer32,  
    circuitSpvcPmpRootPportId  
        Integer32,  
    circuitSpvcPmpRootLportId  
        Integer32,  
    circuitSpvcPmpRootName  
        DisplayString,  
    circuitSpvcPmpRootTerminatingEndpointAddress  
        OCTET STRING,  
    circuitSpvcPmpRootAdminStatus  
        INTEGER,  
    circuitSpvcPmpRootCircuitType  
        INTEGER,  
    circuitSpvcPmpRootTargetSelectType  
        INTEGER,  
    circuitSpvcPmpRootRetryInterval  
        Integer32,  
    circuitSpvcPmpRootRetryLimit  
        Integer32,  
    circuitSpvcPmpRootForwardTrafficDescriptor  
        DisplayString,  
    circuitSpvcPmpRootReverseTrafficDescriptor  
        DisplayString,  
    circuitSpvcPmpRootRowStatus  
        RowStatus,  
    circuitSpvcPmpRootModifyType  
        INTEGER,  
    circuitSpvcPmpRootNextAvailableLeafNo  
        Integer32,  
    circuitSpvcPmpRootTargetVpi  
        INTEGER,  
    circuitSpvcPmpRootTargetVci  
        INTEGER  
}
```

```
circuitSpvcPmpRootSlotId OBJECT-TYPE  
SYNTAX Integer32  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "Slot Id."  
 ::= { circuitSpvcPmpRootEntry 1 }
```

```

circuitSpvcPmpRootPportId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Pport Id."
    ::= { circuitSpvcPmpRootEntry 2}

circuitSpvcPmpRootLportId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Lport Id."
    ::= { circuitSpvcPmpRootEntry 3}

circuitSpvcPmpRootName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Soft PVC Circuit Name. The attribute cannot be
        modified after creation."
    ::= { circuitSpvcPmpRootEntry 4}

circuitSpvcPmpRootTerminatingEndpointAddress OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE(1..20))
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The complete Address of the SVC Endpoint"
    ::= { circuitSpvcPmpRootEntry 5 }

circuitSpvcPmpRootAdminStatus OBJECT-TYPE
    SYNTAX INTEGER {
        down (1),
        up (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Soft PVC Circuit Admin Status"
    ::= { circuitSpvcPmpRootEntry 10 }

circuitSpvcPmpRootCircuitType OBJECT-TYPE
    SYNTAX INTEGER { spvpc (1), spvcc(2) }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The circuit type for Soft PVC circuits."
    DEFVAL { spvcc }
    ::= { circuitSpvcPmpRootEntry 11 }

```

```

circuitSpvcPmpRootTargetSelectType OBJECT-TYPE
    SYNTAX INTEGER { required(1), any(2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Indicates whether the target VPI/VCI values
        are to be used at the destination.

        If the value 'any' is specified, the destination
        switch will choose the VPI/VCI values. Once the Circuit is
        enestablished, the value of this object changes to
        'required',
        such that the same VPI/VCI values will continue to be used
        even if the connection is subsequently torn down and
        re-established.

        Required is not supported on Cascade Switches for now. "

    ::= { circuitSpvcPmpRootEntry 12 }

circuitSpvcPmpRootRetryInterval OBJECT-TYPE
    SYNTAX Integer32 (0..3600)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Defines the period to wait before attempting
        to establish the Soft PVC after the first failed call
        attempt. Zero represents an infinite interval indicating
        no
        retries."
    DEFVAL {0}
    ::= { circuitSpvcPmpRootEntry 13 }

circuitSpvcPmpRootRetryLimit OBJECT-TYPE
    SYNTAX Integer32 (0..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Sets a maximum limit on how many consecutive unsuccessful
        call setup attempts can be made before stopping the attempt
        to set up the connection. If this limit is reached then
        management action will be required to initiate a new
        attempt
        to establish the connection. A value of zero indicates
        no limit - the attempts will continue until successful."
    DEFVAL {0}
    ::= { circuitSpvcPmpRootEntry 14 }

circuitSpvcPmpRootForwardTrafficDescriptor OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write

```

```

    STATUS current
    DESCRIPTION "The name of the Traffic Descriptor to be used for this
Soft PVC
    circuit. All valid names can be obtained from the
TrafficDescriptor
    table of provserv.mib"
    ::= { circuitSpvcPmpRootEntry 15 }

circuitSpvcPmpRootReverseTrafficDescriptor OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The name of the Traffic Descriptor to be used for this
Soft PVC
    circuit. All valid names can be obtained from the
TrafficDescriptor
    table of provserv.mib"
    ::= { circuitSpvcPmpRootEntry 16 }

circuitSpvcPmpRootRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made active by client.
        notReady(3) - Row has been created but contains holes.
        waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { circuitSpvcPmpRootEntry 17 }

circuitSpvcPmpRootModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends writes to the database and sets the
        Out of Sync flag in the database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { circuitSpvcPmpRootEntry 18 }

circuitSpvcPmpRootNextAvailableLeafNo OBJECT-TYPE

```

SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
 " When queried upon this attribute, the server returns a next
available
 leaf number for the root"
::= { circuitSpvcPmpRootEntry 19 }

circuitSpvcPmpRootTargetVpi OBJECT-TYPE
SYNTAX INTEGER (0..4095)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The Target Vpi value when the TargetSelectType is set to
 'Required'."
DEFVAL {0}
::= { circuitSpvcPmpRootEntry 20 }

circuitSpvcPmpRootTargetVci OBJECT-TYPE
SYNTAX INTEGER (0..65535)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The Target Vci value when the TargetSelectType is set to
 'Required'."
DEFVAL {0}
::= { circuitSpvcPmpRootEntry 21 }

-- Point to MultiPoint Soft PVC Leaf Table

circuitSpvcPmpLeafTable OBJECT-TYPE
SYNTAX SEQUENCE OF CircuitSpvcPmpLeafEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 " A list of Soft PVC Point to MultiPoint circuit Leaf entries."
::= { circuitConfiguration 12 }

circuitSpvcPmpLeafEntry OBJECT-TYPE
SYNTAX CircuitSpvcPmpLeafEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION

```
    "A group of attributes associated with Soft PVC circuit"
INDEX {circuitSpvcPmpLeafIndex,
      switchIdIndex,
      lportIfIndex,
      vpiIndex,
      vciIndex }
 ::= { circuitSpvcPmpLeafTable 1 }
```

```
CircuitSpvcPmpLeafEntry ::=
SEQUENCE {
  circuitSpvcPmpLeafSlotId
    Integer32,
  circuitSpvcPmpLeafPportId
    Integer32,
  circuitSpvcPmpLeafLportId
    Integer32,
  circuitSpvcPmpLeafTerminatingEndpointAddress
    OCTET STRING,
  circuitSpvcPmpLeafAdminStatus
    INTEGER,
  circuitSpvcPmpLeafTargetSelectType
    INTEGER,
  circuitSpvcPmpLeafRetryInterval
    Integer32,
  circuitSpvcPmpLeafRetryLimit
    Integer32,
  circuitSpvcPmpLeafRowStatus
    RowStatus,
  circuitSpvcPmpLeafModifyType
    INTEGER,
  circuitSpvcPmpLeafIndex
    Integer32,
  circuitSpvcPmpLeafTargetVpi
    INTEGER,
  circuitSpvcPmpLeafTargetVci
    INTEGER
}
```

```
circuitSpvcPmpLeafSlotId OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Slot Id."
 ::= { circuitSpvcPmpLeafEntry 1 }
```

```
circuitSpvcPmpLeafPportId OBJECT-TYPE
SYNTAX Integer32
```

MAX-ACCESS read-only
STATUS current
DESCRIPTION "Pport Id."
::= { circuitSpvcPmpLeafEntry 2 }

circuitSpvcPmpLeafLportId OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Lport Id."
::= { circuitSpvcPmpLeafEntry 3 }

circuitSpvcPmpLeafTerminatingEndpointAddress OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(1..20))
MAX-ACCESS read-write
STATUS current
DESCRIPTION " The complete Address of the SVC Endpoint"
::= { circuitSpvcPmpLeafEntry 4 }

circuitSpvcPmpLeafAdminStatus OBJECT-TYPE
SYNTAX INTEGER {
 down(1),
 up (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Soft PVC Circuit Admin Status"
::= { circuitSpvcPmpLeafEntry 5 }

circuitSpvcPmpLeafTargetSelectType OBJECT-TYPE
SYNTAX INTEGER {required(1), any (2) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Indicates whether the target VPI/VCI values
are to be used at the destination.

If the value 'any' is specified, the destination
switch will choose the VPI/VCI values. Once the Circuit is
established, the value of this object changes to
'required',
such that the same VPI/VCI values will continue to be used
even if the connection is subsequently torn down and
re-established.

Required is not supported on Cascade Switches for now. "

::= { circuitSpvcPmpLeafEntry 6 }

```

circuitSpvcPmpLeafRetryInterval OBJECT-TYPE
    SYNTAX Integer32 (0..3600)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Defines the period to wait before attempting
        to establish the Soft PVC after the first failed call
        attempt. Zero represents an infinite interval indicating
no
        retries."

    DEFVAL {0}
    ::= { circuitSpvcPmpLeafEntry 7 }

circuitSpvcPmpLeafRetryLimit OBJECT-TYPE
    SYNTAX Integer32 (0..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Sets a maximum limit on how many consecutive unsuccessful
        call setup attempts can be made before stopping the attempt
        to set up the connection. If this limit is reached then
        management action will be required to initiate a new
attempt
        to establish the connection. A value of zero indicates
        no limit - the attempts will continue until successful."
    DEFVAL {0}
    ::= { circuitSpvcPmpLeafEntry 8 }

circuitSpvcPmpLeafRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
            made active by client.
        notReady(3) - Row has been created but contains holes.
            waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create new row.
        destroy(6) - Delete an existing row."
    ::= { circuitSpvcPmpLeafEntry 9 }

circuitSpvcPmpLeafModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.

```

```

        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends writes to the database and sets the
        Out of Sync flag in the database.
        This value is re-set to normal after every transaction."
        DEFVAL {normal}
 ::= { circuitSpvcPmpLeafEntry 10 }

circuitSpvcPmpLeafIndex OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Leaf number ID (index)"
    ::= { circuitSpvcPmpLeafEntry 11 }

-- Target VPI/VCI attributes added.

circuitSpvcPmpLeafTargetVpi OBJECT-TYPE
    SYNTAX INTEGER (0..4095)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The Target Vpi value when the TargetSelectType is set to
        'Required'."
    DEFVAL {0}
    ::= { circuitSpvcPmpLeafEntry 12 }

circuitSpvcPmpLeafTargetVci OBJECT-TYPE
    SYNTAX INTEGER (0..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The Target Vci value when the TargetSelectType is set to
        'Required'."
    DEFVAL {0}
    ::= { circuitSpvcPmpLeafEntry 13 }

-- ServiceName Endpoint Tables.
-- interworkingCircuitServiceNameEndpointTable

interworkingCircuitServiceNameEndpointTable OBJECT-TYPE
    SYNTAX SEQUENCE OF InterworkingCircuitServiceNameEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of ATM circuit entries."
    ::= { circuitConfiguration 13 }

interworkingCircuitServiceNameEndpointEntry OBJECT-TYPE

```

SYNTAX InterworkingCircuitServiceNameEndpointEntry
 MAX-ACCESS not-accessible
 STATUS current
 DESCRIPTION
 "A group of attributes associated with an endpoint of an ATM
 circuit."
 INDEX {networkIdIndex,
 networkServiceNameIndex,
 vpiIndex,
 vciIndex}

::= { interworkingCircuitServiceNameEndpointTable 1 }

InterworkingCircuitServiceNameEndpointEntry ::=

```

SEQUENCE {
  interworkingCircuitServiceNameEndpointCircuitNumber
    Integer32,
  interworkingCircuitServiceNameEndpointTrafficDescrParam1
    Integer32,
  interworkingCircuitServiceNameEndpointTrafficDescrParam2
    Integer32,
  interworkingCircuitServiceNameEndpointTrafficDescrParam3
    Integer32,
  interworkingCircuitServiceNameEndpointTrafficDescrParam4
    Integer32,
  interworkingCircuitServiceNameEndpointTrafficDescrParam5
    Integer32,
  interworkingCircuitServiceNameEndpointTrafficDescrType
    INTEGER,
  interworkingCircuitServiceNameEndpointScr
    Integer32,
  interworkingCircuitServiceNameEndpointMbs
    Integer32,
  interworkingCircuitServiceNameEndpointPcr
    Integer32,
  interworkingCircuitServiceNameEndpointQosClass
    INTEGER,
  interworkingCircuitServiceNameEndpointFcpDiscard
    INTEGER,
  interworkingCircuitServiceNameEndpointGracefulDiscard
    INTEGER,
  interworkingCircuitServiceNameEndpointRedFramePercent
    Integer32,
  interworkingCircuitServiceNameEndpointShaperId
    Integer32,
  interworkingCircuitServiceNameEndpointRateEnfScheme
    INTEGER,
  interworkingCircuitServiceNameEndpointCircuitPriority

```

```

    INTEGER,
    interworkingCircuitServiceNameEndpointRowStatus
        RowStatus,
    interworkingCircuitServiceNameEndpointModifyType
        INTEGER,
    interworkingCircuitServiceNameEndpointDeltaBc
        Integer32,
    interworkingCircuitServiceNameEndpointDeltaBe
        Integer32,
    interworkingCircuitServiceNameEndpointZeroCIEnabled
        INTEGER,
    interworkingCircuitServiceNameEndpointSlotId
        Integer32,
    interworkingCircuitServiceNameEndpointPPortId
        Integer32,
    interworkingCircuitServiceNameEndpointNumRetries
        Integer32,
    interworkingCircuitServiceNameEndpointMcr
        Integer32
}

```

```

interworkingCircuitServiceNameEndpointCircuitNumber OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The number of the circuit which this endpoint terminates.
        This is used as the index into the
        circuitCrossConnectTable."
    ::= { interworkingCircuitServiceNameEndpointEntry 1}

```

```

interworkingCircuitServiceNameEndpointTrafficDescrParam1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor Parameter 1"
    ::= { interworkingCircuitServiceNameEndpointEntry 2}

```

```

interworkingCircuitServiceNameEndpointTrafficDescrParam2 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor Parameter 2"
    ::= { interworkingCircuitServiceNameEndpointEntry 3}

```

```

interworkingCircuitServiceNameEndpointTrafficDescrParam3 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write

```

STATUS current
DESCRIPTION "The Traffic Descriptor Parameter 3"
::= { interworkingCircuitServiceNameEndpointEntry 4}

interworkingCircuitServiceNameEndpointTrafficDescrParam4 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor Parameter 4"
::= { interworkingCircuitServiceNameEndpointEntry 5}

interworkingCircuitServiceNameEndpointTrafficDescrParam5 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor Parameter 5"
::= { interworkingCircuitServiceNameEndpointEntry 6}

interworkingCircuitServiceNameEndpointTrafficDescrType OBJECT-TYPE
SYNTAX INTEGER {
 pcrClp0PcrClp01(1),
 pcrClp0PcrClp01Tagging(2),
 pcrClp01ScrClp0MbsClp0(3),
 pcrClp01ScrClp0MbsClp0Tagging(4),
 pcrClp01(5),
 pcrClp01ScrClp01MbsClp01(6),
 bestEffort(7),
 pcrClp0McrClp0(8),
 unspBestEffort(9)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "AtmCircuit Traffic Descriptor Type."
::= { interworkingCircuitServiceNameEndpointEntry 7}

interworkingCircuitServiceNameEndpointScr OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Sustainable Cell Rate, in bits."
::= { interworkingCircuitServiceNameEndpointEntry 8}

interworkingCircuitServiceNameEndpointMbs OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Maximum Burst Size, in bits."

```

 ::= { interworkingCircuitServiceNameEndpointEntry 9}

interworkingCircuitServiceNameEndpointPcr OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Peak Cell Rate, in bits."
    ::= { interworkingCircuitServiceNameEndpointEntry 10}

interworkingCircuitServiceNameEndpointQosClass OBJECT-TYPE
    SYNTAX INTEGER {
        cbr (1),
        vbrRealTime (2),
        vbrNonRealTime (3),
        ubr (4),
        abr (5),
        unspCbr (6),
        unspVbrNonRealTime (7),
        unspBestEffort (8)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "AtmCircuit Quality of Service."
    ::= { interworkingCircuitServiceNameEndpointEntry 11}

interworkingCircuitServiceNameEndpointFcpDiscard OBJECT-TYPE
    SYNTAX INTEGER { epd(1), clp1 (2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION ""
    DEFVAL {epd}
    ::= { interworkingCircuitServiceNameEndpointEntry 12}

interworkingCircuitServiceNameEndpointGracefulDiscard OBJECT-TYPE
    SYNTAX INTEGER {
        off(1),
        on(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This variable states whether graceful discard is enabled
        for the circuit."
    ::= { interworkingCircuitServiceNameEndpointEntry 13}

interworkingCircuitServiceNameEndpointRedFramePercent OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write

```

STATUS current

DESCRIPTION

"The percentage of RED frame bits that are allowed to enter the network, during the measurement interval, under non-congestion condition. Its value range is 0 - 100 and default value is 100.

Its calculation is as follows:

$$\text{cktRedFrPcn} = (\text{allowed RED frame bits}) / (\text{Bc} + \text{Be} + \text{allowed RED frame bits})$$

::= { interworkingCircuitServiceNameEndpointEntry 14}

interworkingCircuitServiceNameEndpointShaperId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "."

::= { interworkingCircuitServiceNameEndpointEntry 15}

interworkingCircuitServiceNameEndpointRateEnfScheme OBJECT-TYPE

SYNTAX INTEGER {

jump(1),

simple(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION "This variable states the maximum segment size for the network."

::= { interworkingCircuitServiceNameEndpointEntry 16}

interworkingCircuitServiceNameEndpointCircuitPriority OBJECT-TYPE

SYNTAX INTEGER (1..4)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "."

::= {interworkingCircuitServiceNameEndpointEntry 17}

interworkingCircuitServiceNameEndpointRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not made active by client.

notReady(3) - Row has been created but containsholes, waiting

for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { interworkingCircuitServiceNameEndpointEntry 18 }

interworkingCircuitServiceNameEndpointModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends writes to the database and sets the Out of
Sync
flag in the database. This value is re-set to normal after every
transaction."
DEFVAL { normal }
::= { interworkingCircuitServiceNameEndpointEntry 19 }

interworkingCircuitServiceNameEndpointDeltaBc OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The maximum number of bits that the network agree to transfer
over the circuit as committed bits during the measurement
interval under the CONDITION that the circuit still has POSITIVE
committed bit (Bc) credits before receiving a frame but will have
NEGATIVE Bc credits after accepting the frame. The range of this
variable is 0 to 65,528 bits. By default, if not configured when
creating the entry, it is set to 65,528 bits."
::= { interworkingCircuitServiceNameEndpointEntry 20 }

interworkingCircuitServiceNameEndpointDeltaBe OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The maximum number of bits that the network agree to transfer
over the circuit as allowed excess bits during the measurement
interval under the CONDITION that the circuit still has POSITIVE
excess bit (Be) credits before receiving a frame but will have
NEGATIVE Be credits after accepting the frame. The range of this
variable is 0 to 65,528 bits. By default, if not configured when
creating the entry, it is set to 65,528 bits."
::= { interworkingCircuitServiceNameEndpointEntry 21 }

```

interworkingCircuitServiceNameEndpointZeroCIEnabled OBJECT-TYPE
    SYNTAX INTEGER {
        off(1),
        on(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "."
    ::= { interworkingCircuitServiceNameEndpointEntry 22}

interworkingCircuitServiceNameEndpointSlotId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Slot ID where the enpoint resides."
    ::= { interworkingCircuitServiceNameEndpointEntry 23}

interworkingCircuitServiceNameEndpointPPortId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "PPort ID where the endpoint resides."
    ::= { interworkingCircuitServiceNameEndpointEntry 24}

interworkingCircuitServiceNameEndpointNumRetries OBJECT-TYPE
    SYNTAX Integer32 (0..5)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Number of retries for the set if the card status
        for any of the endpoints is down."
    DEFVAL {0}
    ::= { interworkingCircuitServiceNameEndpointEntry 25}

interworkingCircuitServiceNameEndpointMcr OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS deprecated
    DESCRIPTION "The Mean Cell Rate, in bits."
    ::= { interworkingCircuitServiceNameEndpointEntry 26}

--
-- C500 ATM Serivce Name Circuit Endpoint table - contains instances of
-- circuit endpoints having service names on C500 switches.
--
atmCircuitServiceNameEndpointTable OBJECT-TYPE
    SYNTAX SEQUENCE OF AtmCircuitServiceNameEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current

```

DESCRIPTION

"A list of ATM circuit entries."

::= { circuitConfiguration 14 }

atmCircuitServiceNameEndpointEntry OBJECT-TYPE

SYNTAX AtmCircuitServiceNameEndpointEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A group of attributes associated with an endpoint of an ATM circuit."

INDEX { networkIdIndex,
networkServiceNameIndex,
vpiIndex,
vciIndex }

::= { atmCircuitServiceNameEndpointTable 1 }

AtmCircuitServiceNameEndpointEntry ::=

SEQUENCE {

atmCircuitServiceNameEndpointCircuitNumber

Integer32,

atmCircuitServiceNameEndpointTrafficDescrParam1

Integer32,

atmCircuitServiceNameEndpointTrafficDescrParam2

Integer32,

atmCircuitServiceNameEndpointTrafficDescrParam3

Integer32,

atmCircuitServiceNameEndpointTrafficDescrParam4

Integer32,

atmCircuitServiceNameEndpointTrafficDescrParam5

Integer32,

atmCircuitServiceNameEndpointTrafficDescrType

INTEGER,

atmCircuitServiceNameEndpointQosClass

INTEGER,

atmCircuitServiceNameEndpointFcpDiscard

INTEGER,

atmCircuitServiceNameEndpointGracefulDiscard

INTEGER,

atmCircuitServiceNameEndpointCircuitPriority

INTEGER,

atmCircuitServiceNameEndpointRateEnfScheme

INTEGER,

atmCircuitServiceNameEndpointModifyType

INTEGER,

atmCircuitServiceNameEndpointRowStatus

RowStatus,

```

    atmCircuitServiceNameEndpointDeltaBc
        Integer32,
    atmCircuitServiceNameEndpointDeltaBe
        Integer32,
    atmCircuitServiceNameEndpointRedFramePercent
        Integer32,
    atmCircuitServiceNameEndpointSlotId
        Integer32,
    atmCircuitServiceNameEndpointPPortId
        Integer32,
    atmCircuitServiceNameEndpointNumRetries
        Integer32,
    atmCircuitServiceNameEndpointFrameDiscard
        INTEGER,
    atmCircuitServiceNameEndpointShaperId
        Integer32,
    atmCircuitServiceNameEndpointTrafficMgmtCdvStatus
        INTEGER,
    atmCircuitServiceNameEndpointTrafficMgmtCdv
        Integer32,
    atmCircuitServiceNameEndpointTrafficMgmtClrStatus
        INTEGER,
    atmCircuitServiceNameEndpointTrafficMgmtClr
        Integer32
}

atmCircuitServiceNameEndpointCircuitNumber OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The number of the circuit which this endpoint terminates.
        This is used as the index into the
        circuitCrossConnectTable."
    ::= { atmCircuitServiceNameEndpointEntry 1}

atmCircuitServiceNameEndpointTrafficDescrParam1 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The Traffic Descriptor parameter 1"
    ::= { atmCircuitServiceNameEndpointEntry 2}

atmCircuitServiceNameEndpointTrafficDescrParam2 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current

```

DESCRIPTION "The Traffic Descriptor parameter 2"
::= { atmCircuitServiceNameEndpointEntry 3}

atmCircuitServiceNameEndpointTrafficDescrParam3 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 3"
::= { atmCircuitServiceNameEndpointEntry 4}

atmCircuitServiceNameEndpointTrafficDescrParam4 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 4"
::= { atmCircuitServiceNameEndpointEntry 5}

atmCircuitServiceNameEndpointTrafficDescrParam5 OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The Traffic Descriptor parameter 5"
::= { atmCircuitServiceNameEndpointEntry 6}

atmCircuitServiceNameEndpointTrafficDescrType OBJECT-TYPE
SYNTAX INTEGER {
 pcrClp0PcrClp01(1),
 pcrClp0PcrClp01Tagging(2),
 pcrClp01ScrClp0MbsClp0(3),
 pcrClp01ScrClp0MbsClp0Tagging(4),
 pcrClp01(5),
 pcrClp01ScrClp01MbsClp01(6),
 bestEffort(7),
 pcrClp0McrClp0(8),
 unspBestEffort(9)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "AtmCircuit Traffic Descriptor Type."
::= { atmCircuitServiceNameEndpointEntry 7}

atmCircuitServiceNameEndpointQosClass OBJECT-TYPE
SYNTAX INTEGER {
 cbr (1),
 vbrRealTime (2),
 vbrNonRealTime (3),
 ubr (4),
 abr (5),

```

        unspCbr (6),
        unspVbrNonRealTime (7),
        unspBestEffort (8)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "AtmCircuit Quality of Service."
    ::= { atmCircuitServiceNameEndpointEntry 8}

atmCircuitServiceNameEndpointFcpDiscard OBJECT-TYPE
    SYNTAX INTEGER { epd (1), clp1 (2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION ""
    DEFVAL {epd}
    ::= { atmCircuitServiceNameEndpointEntry 9}

atmCircuitServiceNameEndpointGracefulDiscard OBJECT-TYPE
    SYNTAX INTEGER {
        off(1),
        on(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This variable states whether graceful discard is enabled
        for the circuit."
    ::= { atmCircuitServiceNameEndpointEntry 10}

atmCircuitServiceNameEndpointCircuitPriority OBJECT-TYPE
    SYNTAX INTEGER (1..4)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION ""
    ::= { atmCircuitServiceNameEndpointEntry 11}

atmCircuitServiceNameEndpointRateEnfScheme OBJECT-TYPE
    SYNTAX INTEGER {
        jump(1),
        simple(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "This variable states the maximum segment size for the
network."
    ::= { atmCircuitServiceNameEndpointEntry 12}

atmCircuitServiceNameEndpointModifyType OBJECT-TYPE

```

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends writes to the database and sets the Out of
Sync
flag in the database. This value is re-set to normal after every
transaction."
DEFVAL {normal}
::= { atmCircuitServiceNameEndpointEntry 13 }

atmCircuitServiceNameEndpointRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but not made
active
by client.
notReady(3) - Row has been created but contains holes, waiting for
client
to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create new row.
destroy(6) - Delete an existing row."
::= { atmCircuitServiceNameEndpointEntry 14 }

atmCircuitServiceNameEndpointDeltaBc OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The maximum number of bits that the network agree to transfer
over the circuit as committed bits during the measurement
interval under the CONDITION that the circuit still has POSITIVE
committed bit (Bc) credits before receiving a frame but will have
NEGATIVE Bc credits after accepting the frame. The range of this
variable is 0 to 65,528 bits. By default, if not configured when
creating the entry, it is set to 65,528 bits."
::= { atmCircuitServiceNameEndpointEntry 15 }

atmCircuitServiceNameEndpointDeltaBe OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current

DESCRIPTION

"The maximum number of bits that the network agree to transfer over the circuit as allowed excess bits during the measurement interval under the CONDITION that the circuit still has POSITIVE excess bit (Be) credits before receiving a frame but will have NEGATIVE Be credits after accepting the frame. The range of this variable is 0 to 65,528 bits. By default, if not configured when creating the entry, it is set to 65,528 bits."

::= { atmCircuitServiceNameEndpointEntry 16 }

atmCircuitServiceNameEndpointRedFramePercent OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The percentage of RED frame bits that are allowed to enter the network, during the measurement interval, under non-congestion condition. Its value range is 0 - 100 and default value is 100.

Its calculation is as follows:

$$\text{cktRedFrPcn} = (\text{allowed RED frame bits}) / (\text{Bc} + \text{Be} + \text{allowed RED frame bits})"$$

::= { atmCircuitServiceNameEndpointEntry 17 }

atmCircuitServiceNameEndpointSlotId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Slot ID where the endpoint resides."

::= { atmCircuitServiceNameEndpointEntry 18 }

atmCircuitServiceNameEndpointPPortId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "PPort ID where the endpoint resides."

::= { atmCircuitServiceNameEndpointEntry 19 }

atmCircuitServiceNameEndpointNumRetries OBJECT-TYPE

SYNTAX Integer32 (0..5)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Number of retries for the set if the card status for any of the endpoints is down."

DEFVAL {0}

::= { atmCircuitServiceNameEndpointEntry 20 }

atmCircuitServiceNameEndpointFrameDiscard OBJECT-TYPE

SYNTAX INTEGER {

```

        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The variable gives the status of the frame Discard for a pure
        ATM circuit endpoint"
    ::= { atmCircuitServiceNameEndpointEntry 21 }

-- Traffic Management Attributes for ServiceName Endpoint

atmCircuitServiceNameEndpointShaperId OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Shaper ID for VC shaping."
    ::= { atmCircuitServiceNameEndpointEntry 22}

atmCircuitServiceNameEndpointTrafficMgmtCdvStatus OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Attribute describing whether
        atmCircuitEndpointTrafficMgmtCdv is applicable or
not"
    DEFVAL { disabled }
    ::= { atmCircuitServiceNameEndpointEntry 23 }

atmCircuitServiceNameEndpointTrafficMgmtCdv OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The Cell Delay Variation for the Circuit. It is
        expressed as a negative of 10 "
    ::= { atmCircuitServiceNameEndpointEntry 24 }

atmCircuitServiceNameEndpointTrafficMgmtClrStatus OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Attribute describing whether

```

```

        atmCircuitEndpointTrafficMgmtClr is applicable or
not.
        When the value is Disabled, a default value of 255 is
        assumed for Cell Loss Ratio."
DEFVAL {disabled}
::= { atmCircuitServiceNameEndpointEntry 25 }

atmCircuitServiceNameEndpointTrafficMgmtClr OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The Cell Loss Ratio requirement, expressed as a
        negative of 10. "
    ::= { atmCircuitServiceNameEndpointEntry 26 }

--
-- Frame Relay Service Name Circuit table - contains instances of Frame
Relay
-- Service Name circuit endpoints
--

frCircuitServiceNameEndpointTable OBJECT-TYPE
    SYNTAX SEQUENCE OF FrCircuitServiceNameEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of Frame Relay circuit entries."
    ::= { circuitConfiguration 15 }

frCircuitServiceNameEndpointEntry OBJECT-TYPE
    SYNTAX FrCircuitServiceNameEndpointEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes associated with a Frame Relay circuit endpoint."
    INDEX {networkIdIndex,
        networkServiceNameIndex,
        dlcIdIndex}

    ::= { frCircuitServiceNameEndpointTable 1 }

FrCircuitServiceNameEndpointEntry ::=
SEQUENCE {
    frCircuitServiceNameEndpointCircuitNumber
        Integer32,
    frCircuitServiceNameEndpointCir
        Integer32,
    frCircuitServiceNameEndpointBc

```

```

    Integer32,
frCircuitServiceNameEndpointDeltaBc
    Integer32,
frCircuitServiceNameEndpointBe
    Integer32,
frCircuitServiceNameEndpointDeltaBe
    Integer32,
frCircuitServiceNameEndpointGracefulDiscard
    INTEGER,
frCircuitServiceNameEndpointRateEnfScheme
    INTEGER,
frCircuitServiceNameEndpointRedFramePercent
    Integer32,
frCircuitServiceNameEndpointZeroCIEnabled
    INTEGER,
frCircuitServiceNameEndpointCircuitPriority
    INTEGER,
frCircuitServiceNameEndpointQosClass
    INTEGER,
frCircuitServiceNameEndpointRowStatus
    RowStatus,
frCircuitServiceNameEndpointModifyType
    INTEGER,
frCircuitServiceNameEndpointSlotId
    Integer32,
frCircuitServiceNameEndpointPPortId
    Integer32,
frCircuitServiceNameEndpointNumRetries
    Integer32,
frCircuitServiceNameEndpointFcpDiscard
    INTEGER,
frCircuitServiceNameEndpointLoopback
    INTEGER
}

frCircuitServiceNameEndpointCircuitNumber OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of the circuit which this endpoint terminates.
        This is used as the index into the circuitCrossConnectTable."
    ::= { frCircuitServiceNameEndpointEntry 1}

frCircuitServiceNameEndpointCir OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write

```

STATUS current
DESCRIPTION "Committed Information Rate "
::= { frCircuitServiceNameEndpointEntry 2}

frCircuitServiceNameEndpointBc OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Committeed Burst Size, in bits"
::= { frCircuitServiceNameEndpointEntry 3}

frCircuitServiceNameEndpointDeltaBc OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The maximum number of bits that the network agree to transfer
 over the circuit as committed bits during the measurement
 interval under the CONDITION that the circuit still has
POSITIVE
 committed bit (Bc) credits before receiving a frame but will
have
 NEGATIVE Bc credits after accepting the frame. The range of
this
 variable is 0 to 65,528 bits. By default, if not configured
when
 creating the entry, it is set to 65,528 bits."
::= { frCircuitServiceNameEndpointEntry 4}

frCircuitServiceNameEndpointBe OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "Excess Burst size, in bits."
::= { frCircuitServiceNameEndpointEntry 5}

frCircuitServiceNameEndpointDeltaBe OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The maximum number of bits that the network agree to transfer
 over the circuit as allowed excess bits during the measurement
 interval under the CONDITION that the circuit still has
POSITIVE
 excess bit (Be) credits before receiving a frame but will have
this
 NEGATIVE Be credits after accepting the frame. The range of

variable is 0 to 65,528 bits. By default, if not configured when creating the entry, it is set to 65,528 bits."

```
 ::= { frCircuitServiceNameEndpointEntry 6}
```

frCircuitServiceNameEndpointGracefulDiscard OBJECT-TYPE

```
SYNTAX INTEGER {
    off(1),
    on(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This variable states whether graceful discard is enabled
              for the circuit endpoint."
 ::= { frCircuitServiceNameEndpointEntry 7}
```

frCircuitServiceNameEndpointCircuitPriority OBJECT-TYPE

```
SYNTAX INTEGER (1..4)
MAX-ACCESS read-write
STATUS current
DESCRIPTION "."
 ::= { frCircuitServiceNameEndpointEntry 8}
```

frCircuitServiceNameEndpointRateEnfScheme OBJECT-TYPE

```
SYNTAX INTEGER {
    jump(1),
    simple(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This variable states the maximum segment size for the
              network."
 ::= { frCircuitServiceNameEndpointEntry 9}
```

frCircuitServiceNameEndpointRedFramePercent OBJECT-TYPE

```
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "The percentage of RED frame bits that are allowed to enter the
     network, during the measurement interval, under non-congestion
     condition. Its value range is 0 - 100 and default value is 100.
     Its calculation is as follows:

     cktRedFrPcn = (allowed RED frame bits)/(Bc+Be+allowed RED frame
     bits)"
 ::= { frCircuitServiceNameEndpointEntry 10}
```

```

frCircuitServiceNameEndpointZeroCIEnabled OBJECT-TYPE
    SYNTAX INTEGER {
        off(1),
        on(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "."
    ::= { frCircuitServiceNameEndpointEntry 11}

frCircuitServiceNameEndpointQosClass OBJECT-TYPE
    SYNTAX INTEGER {
        cbr (1),
        vbrRealTime (2),
        vbrNonRealTime (3),
       ubr (4),
        abr (5),
        unspCbr (6),
        unspVbrNonRealTime (7),
        unspBestEffort (8)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "AtmCircuit Quality of Service."
    ::= { frCircuitServiceNameEndpointEntry 12}

frCircuitServiceNameEndpointModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync
            sends writes to the database and sets the Out of Sync flag in the
            database.
            This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { frCircuitServiceNameEndpointEntry 13 }

frCircuitServiceNameEndpointRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is mandatory usable.

```

notInService(2) - Row has been created and initialized but not made active

by client.

notReady(3) - Row has been created but contains holes, waiting for client

to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { frCircuitServiceNameEndpointEntry 14 }

frCircuitServiceNameEndpointSlotId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Slot ID where the endpoint resides."

::= { frCircuitServiceNameEndpointEntry 15 }

frCircuitServiceNameEndpointPPortId OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION "PPort ID where the endpoint resides."

::= { frCircuitServiceNameEndpointEntry 16 }

frCircuitServiceNameEndpointNumRetries OBJECT-TYPE

SYNTAX Integer32 (0..5)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Number of retries for the set if the card status for any of the endpoints is down."

DEFVAL {0}

::= { frCircuitServiceNameEndpointEntry 17 }

frCircuitServiceNameEndpointFcpDiscard OBJECT-TYPE

SYNTAX INTEGER {

epd(1),

clp1(2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Whether to use the discard threshold as the CLP1 Discard threshold upon reception of a cell by the NRTS processor in the forward direction."

DEFVAL {epd}

::= { frCircuitServiceNameEndpointEntry 18 }

```

frCircuitServiceNameEndpointLoopback OBJECT-TYPE
    SYNTAX INTEGER { normal(0), local(1), remote(2) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Setting this variable controls the loopback status of
the
                given circuit endpoint."
    DEFVAL {normal}
    ::= { frCircuitServiceNameEndpointEntry 19 }

```

```

circuitDefinedPathTable OBJECT-TYPE
    SYNTAX SEQUENCE OF CircuitDefinedPathEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of circuit defined path entries."
    ::= { circuitConfiguration 17 }

```

```

circuitDefinedPathEntry OBJECT-TYPE
    SYNTAX CircuitDefinedPathEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes associated with a circuit defined path."
    INDEX { circuitIndex }

    ::= { circuitDefinedPathTable 1 }

```

```

CircuitDefinedPathEntry ::=
SEQUENCE {
    circuitDefinedPathRowStatus
        RowStatus,
    circuitDefinedPathModifyType
        INTEGER,
    circuitDefinedPathEnable
        INTEGER,
    circuitDefinedPathAltOption
        INTEGER,
    circuitDefinedPath
        OCTET STRING
}

```

```

circuitDefinedPathRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is mandatory usable.

```

notInService(2) - Row has been created and initialized but not made active

by client.

notReady(3) - Row has been created but contains holes, waiting for client

to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Not supported."

::= { circuitDefinedPathEntry 1 }

circuitDefinedPathModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync

sends writes to the database and sets the Out of Sync flag in the database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { circuitDefinedPathEntry 2 }

circuitDefinedPathEnable OBJECT-TYPE

SYNTAX INTEGER {

disabled (1),

enabled (2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Enable or disabled the defined path option."

::= { circuitDefinedPathEntry 3 }

circuitDefinedPathAltOption OBJECT-TYPE

SYNTAX INTEGER {

disabled (1),

enabled (2)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"When enabled and user defined path fails, use the ospf-determined path."

::= { circuitDefinedPathEntry 4 }

```

circuitDefinedPath OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The user defined path in the format:
        Switch.1.1.1.1 Network.1.1.0.0.trunk.trunkname ... .
        Path must be specified from node with higher IP address
        to node with lower IP Address. Trunk names indicates
        that specific trunks are to be used. Switch names
        indicate that any trunk connecting the two nodes
        can be used. "
    ::= { circuitDefinedPathEntry 5 }

circuitOperInfoTable OBJECT-TYPE
    SYNTAX SEQUENCE OF CircuitOperInfoEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A list of circuit operInfo entries."
    ::= { circuitOperInfo 1 }

circuitOperInfoEntry OBJECT-TYPE
    SYNTAX CircuitOperInfoEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A group of attributes associated with a circuit operInfo."
    INDEX { circuitIndex }

    ::= { circuitOperInfoTable 1 }

CircuitOperInfoEntry ::=
    SEQUENCE {
        circuitOperInfoPvcDelay
            Integer32,
        circuitOperInfoActualPath
            OCTET STRING
    }

circuitOperInfoPvcDelay OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The accumulated cell(frame) transfer delay for this circuit,
        in microseconds. The distinguished value 0x00FFFFFF means not valid."

```

::= { circuitOperInfoEntry 1 }

circuitOperInfoActualPath OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The user defined path in the format:

Switch.1.1.1.1 Network.1.1.0.0.trunk.trunkname

Path must be specified from node with higher IP address
to node with lower IP Address. Trunk names indicates
that specific trunks are to be used. Switch names
indicate that any trunk connecting the two nodes
can be used. "

::= { circuitOperInfoEntry 2 }

circuitOamDiagTable OBJECT-TYPE

SYNTAX SEQUENCE OF CircuitOamDiagEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The Circuit OAM Diagnostic table"

::= { circuitOamDiag 1 }

circuitOamDiagEntry OBJECT-TYPE

SYNTAX CircuitOamDiagEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the circuitOamDiag Table"

INDEX { circuitIndex }

::= { circuitOamDiagTable 1 }

CircuitOamDiagEntry ::=

SEQUENCE {

circuitOamDiagAction

INTEGER,

circuitOamDiagLoopbackDirection

INTEGER,

circuitOamDiagLoopbackType

INTEGER,

circuitOamDiagLoopbackSource

INTEGER,

circuitOamDiagLoopbackHops

Integer32,

circuitOamDiagNumberOAMCells

Integer32,

circuitOamDiagLoopbackReceived

Integer32,

```

        circuitOamDiagLoopbackTimeouts
            Integer32,
        circuitOamDiagLoopbackReceivedHigh
            Integer32,
        circuitOamDiagLoopbackReceivedLow
            Integer32,
        circuitOamDiagLoopbackReceivedAvg
            Integer32
    }

circuitOamDiagAction OBJECT-TYPE
    SYNTAX INTEGER {
        inactive(1),
        startRequest(2),
        requestInProgress(4),
        clearRequest(5)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "set to startRequest when all the config OIDs have been
set and you
are ready to start the diagnostic request on the switch.
Once the
request is finished and you would like to clear the
information,
set to clearRequest"
    ::= { circuitOamDiagEntry 1 }

circuitOamDiagLoopbackDirection OBJECT-TYPE
    SYNTAX INTEGER {
        local(1),
        remote(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Which direction to send the loopback cell. If 'local',
send out this
circuit entry's port. If 'remote', send out the remote
circuit
entry's port."
    ::= { circuitOamDiagEntry 2 }

circuitOamDiagLoopbackType OBJECT-TYPE
    SYNTAX INTEGER {
        segment(1),
        endtoend(2)

```

```

        }
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
            "Type of oam loopback to send - either segment or end to
end."
        ::= { circuitOamDiagEntry 3 }

circuitOamDiagLoopbackSource OBJECT-TYPE
    SYNTAX INTEGER {
        endpoint1(1),
        endpoint2(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The loopback source of the diagnostic test"
    ::= { circuitOamDiagEntry 4 }

circuitOamDiagLoopbackHops OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Number of hops the loopback cell should traverse inside
the
        Cascade network before being echoed back by the far Cascade
        device."
    DEFVAL {1}
    ::= { circuitOamDiagEntry 5 }

circuitOamDiagNumberOAMCells OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Number of oam loopback cells to send in this diagnostic
test"
    DEFVAL {10}
    ::= { circuitOamDiagEntry 6 }

circuitOamDiagLoopbackReceived OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Number of oam responses received for this loopback
session."

```

```

::= { circuitOamDiagEntry 7 }

circuitOamDiagLoopbackTimeouts OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Number of times a loopback response was not received
within
        the timeout period during this loopback session."
    ::= { circuitOamDiagEntry 8 }

circuitOamDiagLoopbackReceivedHigh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Highest response time (in milliseconds) of an oam loopback
        response this loopback session."
    ::= { circuitOamDiagEntry 9 }

circuitOamDiagLoopbackReceivedLow OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Lowest response time (in milliseconds) of an oam loopback
        response this loopback session."
    ::= { circuitOamDiagEntry 10 }

circuitOamDiagLoopbackReceivedAvg OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Average response time (in milliseconds) of an oam loopback
        response this loopback session."
    ::= { circuitOamDiagEntry 11 }

-- The DS1 PM Threshold Table

-- This table contains Current (15 min) and Day threshold values used
-- in performance parameter thresholding defined by ANSI T1.231

ds1pmThresholdTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Ds1pmThresholdEntry
    MAX-ACCESS not-accessible

```

STATUS current
DESCRIPTION
 "The DS1 PM Threshold table."
::= { pport 6 }

ds1pmThresholdEntry OBJECT-TYPE
SYNTAX Ds1pmThresholdEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "An entry in the DS1 PM Threshold table."
INDEX { switchIdIndex, slotIdIndex, pportIdIndex }
::= { ds1pmThresholdTable 1 }

Ds1pmThresholdEntry ::=

SEQUENCE {
 ds1pmThreshCrossingEnable
 INTEGER,
 ds1pmThreshESLCurrent
 Integer32,
 ds1pmThreshESLDay
 Integer32,
 ds1pmThreshCVPCurrent
 Integer32,
 ds1pmThreshCVPDay
 Integer32,
 ds1pmThreshESPCurrent
 Integer32,
 ds1pmThreshESPDay
 Integer32,
 ds1pmThreshSESPCurrent
 Integer32,
 ds1pmThreshSESPDay
 Integer32,
 ds1pmThreshSASPCurrent
 Integer32,
 ds1pmThreshSASPDay
 Integer32,
 ds1pmThreshCSSPCurrent
 Integer32,
 ds1pmThreshCSSPDay
 Integer32,
 ds1pmThreshUASPCurrent
 Integer32,
 ds1pmThreshUASPDay
 Integer32,
 ds1pmThreshRowStatus
 RowStatus,

```
ds1pmThreshModifyType
    INTEGER
}
```

```
ds1pmThreshCrossingEnable OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Enable or disabled the detection and emission of threshold
        crossing alarms."
    ::= { ds1pmThresholdEntry 1 }
```

```
ds1pmThreshESLCurrent OBJECT-TYPE
    SYNTAX Integer32 (1..900)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Line errored seconds 15 Minute (current) threshold."
    ::= { ds1pmThresholdEntry 2 }
```

```
ds1pmThreshESLDay OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Line errored seconds 24 Hour (day) threshold."
    ::= { ds1pmThresholdEntry 3 }
```

```
ds1pmThreshCVPCurrent OBJECT-TYPE
    SYNTAX Integer32 (1..16383)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Path code violations 15 Minute (current) threshold."
    ::= { ds1pmThresholdEntry 4 }
```

```
ds1pmThreshCVPDay OBJECT-TYPE
    SYNTAX Integer32 (1..1048575)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Path code violations 24 Hour (day) threshold."
    ::= { ds1pmThresholdEntry 5 }
```

ds1pmThreshESPCurrent OBJECT-TYPE
SYNTAX Integer32 (1..900)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Path errored seconds 15 Minute (current) threshold."
 ::= { ds1pmThresholdEntry 6 }

ds1pmThreshESPDay OBJECT-TYPE
SYNTAX Integer32 (1..65535)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Path errored seconds 24 Hour (day) threshold."
 ::= { ds1pmThresholdEntry 7 }

ds1pmThreshSESPCurrent OBJECT-TYPE
SYNTAX Integer32 (1..63)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Path severely errored seconds 15 Minute (current)
threshold."
 ::= { ds1pmThresholdEntry 8 }

ds1pmThreshSESPDay OBJECT-TYPE
SYNTAX Integer32 (1..4095)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Path severely errored seconds 24 Hour (day) threshold."
 ::= { ds1pmThresholdEntry 9 }

ds1pmThreshSASPCurrent OBJECT-TYPE
SYNTAX Integer32 (1..63)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Path SEF/AIS seconds 15 Minute (current) threshold."
 ::= { ds1pmThresholdEntry 10 }

ds1pmThreshSASPDay OBJECT-TYPE
SYNTAX Integer32 (1..4095)
MAX-ACCESS read-write
STATUS current

DESCRIPTION

"Path SEF/AIS seconds 24 Hour (day) threshold."

::= { ds1pmThresholdEntry 11 }

ds1pmThreshCSSPCurrent OBJECT-TYPE

SYNTAX Integer32 (1..63)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Path controlled slip seconds 15 Minute (current) threshold."

::= { ds1pmThresholdEntry 12 }

ds1pmThreshCSSPDay OBJECT-TYPE

SYNTAX Integer32 (1..4095)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Path controlled slip seconds 24 Hour (day) threshold."

::= { ds1pmThresholdEntry 13 }

ds1pmThreshUASPCurrent OBJECT-TYPE

SYNTAX Integer32 (1..63)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Path unavailable seconds 15 Minute (current) threshold."

::= { ds1pmThresholdEntry 14 }

ds1pmThreshUASPDDay OBJECT-TYPE

SYNTAX Integer32 (1..4095)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Path unavailable seconds 24 Hour (day) threshold."

::= { ds1pmThresholdEntry 15 }

ds1pmThreshRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"."

::= { ds1pmThresholdEntry 16 }

ds1pmThreshModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

```

        STATUS current
        DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
database.
        This value is re-set to normal after every transaction."
        DEFVAL {normal}
        ::= { ds1pmThresholdEntry 17 }

--
-- The DS3 PM Threshold Table

-- This table contains Current (15 min) and Day threshold values used
-- in DS3 performance.

ds3pmThresholdTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Ds3pmThresholdEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The DS3 PM Threshold table."
    ::= { pport 7 }

ds3pmThresholdEntry OBJECT-TYPE
    SYNTAX Ds3pmThresholdEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "An entry in the DS3 PM Threshold table."
    INDEX { switchIdIndex, slotIdIndex, pportIdIndex }
    ::= { ds3pmThresholdTable 1 }

Ds3pmThresholdEntry ::=
    SEQUENCE {
        ds3pmThreshCrossingEnable
            INTEGER ,
        ds3pmThreshCVLCurrent
            Integer32,
        ds3pmThreshCVLDay
            Integer32,
        ds3pmThreshESLCurrent
            Integer32,
        ds3pmThreshESLDay
            Integer32,
        ds3pmThreshSESLCurrent
            Integer32,

```

ds3pmThreshSESLDay
Integer32,
ds3pmThreshCVPCurrent
Integer32,
ds3pmThreshCVPDay
Integer32,
ds3pmThreshESPCurrent
Integer32,
ds3pmThreshESPDay
Integer32,
ds3pmThreshSESPCurrent
Integer32,
ds3pmThreshSESPDay
Integer32,
ds3pmThreshSASPCurrent
Integer32,
ds3pmThreshSASPDay
Integer32,
ds3pmThreshUASPCurrent
Integer32,
ds3pmThreshUASPDay
Integer32,
ds3pmThreshCVCPPCurrent
Integer32,
ds3pmThreshCVCPPDay
Integer32,
ds3pmThreshESCPPCurrent
Integer32,
ds3pmThreshESCPPDay
Integer32,
ds3pmThreshSESCPPCurrent
Integer32,
ds3pmThreshSESCPPDay
Integer32,
ds3pmThreshSASCPPCurrent
Integer32,
ds3pmThreshSASCPPDay
Integer32,
ds3pmThreshUASCPPCurrent
Integer32,
ds3pmThreshUASCPPDay
Integer32,
ds3pmThreshESXCurrent
Integer32,
ds3pmThreshESXDay
Integer32,
ds3pmThreshRowStatus
RowStatus,

```

        ds3pmThreshModifyType
        INTEGER
    }

ds3pmThreshCrossingEnable OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Enable or disabled the detection and emission of threshold
        crossing alarms."
    ::= { ds3pmThresholdEntry 1 }

ds3pmThreshCVLCurrent OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " A threshold on the number of Line Code Violations
        encountered by a DS3 interface in the current 15 minute
        interval."
    DEFVAL {13296}
    ::= { ds3pmThresholdEntry 2 }

ds3pmThreshCVLDay OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " A threshold on the number of Line Code Violations
        encountered by a DS3 interface in the 24 hour (Day)
        interval."
    DEFVAL {132960}
    ::= { ds3pmThresholdEntry 3 }

ds3pmThreshESLCurrent OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " A threshold on the number of Line Errored Seconds
        encountered by a DS3 interface in the current 15 minute
        interval."
    DEFVAL {65}
    ::= { ds3pmThresholdEntry 4 }

```

ds3pmThreshESLDay OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of Line Errored Seconds encountered by a DS3 interface in the 24 Hour (Day) interval."

DEFVAL { 648 }

::= { ds3pmThresholdEntry 5 }

ds3pmThreshSESLCurrent OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of Line Severly Errored Seconds encountered by a DS3 interface in the current 15 minute interval."

DEFVAL { 10 }

::= { ds3pmThresholdEntry 6 }

ds3pmThreshSESLDay OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of Line Severly Errored Seconds encountered by a DS3 interface in the 24 Hours (Day) interval."

DEFVAL { 100 }

::= { ds3pmThresholdEntry 7 }

ds3pmThreshCVPCurrent OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of Path Coding Violations encountered by a DS3 interface in the current 15 minute interval."

DEFVAL { 13296 }

::= { ds3pmThresholdEntry 8 }

ds3pmThreshCVPDay OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current
DESCRIPTION
 " A threshold on the number of Path Coding Violations
 encountered by a DS3 interface in the 24 Hour (Day)
 interval."
DEFVAL { 132960 }
::= { ds3pmThresholdEntry 9 }

ds3pmThreshESPCurrent OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 " A threshold on the number of Path Errored Seconds
 encountered by a DS3 interface in the current 15 minute
 interval."
DEFVAL { 65 }
::= { ds3pmThresholdEntry 10 }

ds3pmThreshESPDay OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 " A threshold on the number of Path Errored Seconds
 encountered by a DS3 interface in the 24 Hour (Day)
 interval."
DEFVAL { 648 }
::= { ds3pmThresholdEntry 11 }

ds3pmThreshSESPCurrent OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 " A threshold on the number of Path Severely Errored
 Seconds encountered by a DS3 interface in the current 15
 minute interval."
DEFVAL { 10 }
::= { ds3pmThresholdEntry 12 }

ds3pmThreshSESPDay OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current

DESCRIPTION

" A threshold on the number of Path Severely Errored
Seconds encountered by a DS3 interface in the 24 Hour (Day)
interval."
DEFVAL { 100 }
::= { ds3pmThresholdEntry 13 }

ds3pmThreshSASPCurrent OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" A threshold on the number of Path Severely Errored
Framing/Alarm Indication Signal Seconds encountered by a
DS3 interface in the current 15 minute interval."
DEFVAL { 2 }
::= { ds3pmThresholdEntry 14 }

ds3pmThreshSASPCDay OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" A threshold on the number of Path Severely Errored
Framing/Alarm Indication Signal Seconds encountered by a
DS3 interface in the 24 Hour (Day) interval."
DEFVAL { 17 }
::= { ds3pmThresholdEntry 15 }

ds3pmThreshUASPCurrent OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" A threshold on the number of Path Unavailable Seconds
encountered by a DS3 interface in the current 15 minute
interval."
DEFVAL { 10 }
::= { ds3pmThresholdEntry 16 }

ds3pmThreshUASPCDay OBJECT-TYPE

SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
" A threshold on the number of Path Unavailable Seconds
encountered by a DS3 interface in the 24 Hour (Day)
interval."

::= { ds3pmThresholdEntry 17 }

ds3pmThreshCVCPPCurrent OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of CP-bit Path Coding

Violations encountered by a DS3 interface in the current
15 minute interval."

DEFVAL { 13296 }

::= { ds3pmThresholdEntry 18 }

ds3pmThreshCVCPPDay OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of CP-bit Path Coding

Violations encountered by a DS3 interface in the 24 Hour
(Day) interval."

DEFVAL { 132960 }

::= { ds3pmThresholdEntry 19 }

ds3pmThreshESCPPCurrent OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of CP-bit Path Errored

Seconds encountered by a DS3 interface in the current 15
minute interval."

DEFVAL { 65 }

::= { ds3pmThresholdEntry 20 }

ds3pmThreshESCPPDay OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of CP-bit Path Errored

Seconds encountered by a DS3 interface in the 24 Hour
(Day) interval."

DEFVAL { 648 }

::= { ds3pmThresholdEntry 21 }

ds3pmThreshSESCPPCurrent OBJECT-TYPE

SYNTAX Integer32

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " A threshold on the number of CP-bit Path Severely Errored
      Seconds encountered by a DS3 interface in the current 15
minute interval."
DEFVAL { 10 }
::= { ds3pmThresholdEntry 22 }

ds3pmThreshSESCPPDay OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " A threshold on the number of CP-bit Path Severely Errored
      Seconds encountered by a DS3 interface in the 24 Hour
      (Day) interval."
DEFVAL { 100 }
::= { ds3pmThresholdEntry 23 }

ds3pmThreshSASCPPCurrent OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " A threshold on the number of CP-bit Path Severely Errored
      Framing/Alarm Indication Signal Seconds encountered by a
      DS3 interface in the current 15 minute interval."
DEFVAL { 2 }
::= { ds3pmThresholdEntry 24 }

ds3pmThreshSASCPPDay OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " A threshold on the number of CP-bit Path Severely Errored
      Framing/Alarm Indication Signal Seconds encountered by a
      DS3 interface in the 24 Hour (Day) interval."
DEFVAL { 17 }
::= { ds3pmThresholdEntry 25 }

ds3pmThreshUASCPPCurrent OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " A threshold on the number of CP-bit Path Unavailable

```

Seconds encountered by a DS3 interface in the current 15 minute interval."

DEFVAL { 10 }

::= { ds3pmThresholdEntry 26 }

ds3pmThreshUASCPPDay OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on the number of CP-bit Path Unavailable
Seconds encountered by a DS3 interface in the 24 Hour
(Day) interval."

DEFVAL { 10 }

::= { ds3pmThresholdEntry 27 }

ds3pmThreshESXCurrent OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on x number of defects in Errored Seconds
encountered by a DS3 interface in the current 15 minute
interval."

DEFVAL { 44 }

::= { ds3pmThresholdEntry 28 }

ds3pmThreshESXDay OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" A threshold on x number of defects in Errored Seconds
encountered by a DS3 interface in the 24 Hour (Day)
interval."

DEFVAL { 44 }

::= { ds3pmThresholdEntry 29 }

ds3pmThreshRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"."

::= { ds3pmThresholdEntry 30 }

ds3pmThreshModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "By default, writes are stored to the database and the switch.
    Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
    writes to the database and sets the Out of Sync flag in the
database.
    This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { ds3pmThresholdEntry 31 }

-- The SONET PM Threshold Table

-- This table contains 15 minute (current), and 24 hour threshold values
used
-- in performance parameter thresholding defined by ANSI T1.231

sonetpmThresholdTable OBJECT-TYPE
    SYNTAX SEQUENCE OF SonetpmThresholdEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The SONET PM Threshold table."
    ::= { pport 8 }

sonetpmThresholdEntry OBJECT-TYPE
    SYNTAX SonetpmThresholdEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "An entry in the SONET PM Threshold table."
    INDEX { switchIdIndex, slotIdIndex, pportIdIndex }
    ::= { sonetpmThresholdTable 1 }

SonetpmThresholdEntry ::=
    SEQUENCE {
        sonetpmThresholdCrossingEnable
            INTEGER,
        sonetpmSESThresholdSet
            INTEGER,
        sonetpmThreshCVSCurrent
            Integer32,
        sonetpmThreshCVSDay
            Integer32,
        sonetpmThreshESSCurrent
            Integer32,
        sonetpmThreshESSDay

```

```

        Integer32,
sonetpmThreshSESSCurrent
        Integer32,
sonetpmThreshSESSDay
        Integer32,
sonetpmThreshCVLCurrent
        Integer32,
sonetpmThreshCVLDay
        Integer32,
sonetpmThreshESLCurrent
        Integer32,
sonetpmThreshESLDay
        Integer32,
sonetpmThreshSESLCurrent
        Integer32,
sonetpmThreshSESLDay
        Integer32,
sonetpmThreshUASLCurrent
        Integer32,
sonetpmThreshUASLDay
        Integer32,
sonetpmThreshCVPCurrent
        Integer32,
sonetpmThreshCVPDay
        Integer32,
sonetpmThreshESPCurrent
        Integer32,
sonetpmThreshESPDay
        Integer32,
sonetpmThreshSESPCurrent
        Integer32,
sonetpmThreshSESPDay
        Integer32,
sonetpmThreshUASPCurrent
        Integer32,
sonetpmThreshUASPCDay
        Integer32,
sonetpmThreshRowStatus
        RowStatus,
sonetpmThreshModifyType
        INTEGER
    }

```

```

sonetpmThresholdCrossingEnable OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Enable or disabled the detection and emission of threshold
 crossing alerts."
::= { sonetpmThresholdEntry 1 }

sonetpmSESThresholdSet OBJECT-TYPE
 SYNTAX INTEGER {
 other (1),
 bellcoreTrNwt253yr1991 (2),
 ansiT1231yr1993 (3),
 ituG826yr1995 (4)
 }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "SES and UAS threshold settings. The setting determines
 which standard is used for SES and UAS thresholds.

 bellcoreTrNwt253yr1991 -
 refers to Bellcore TR-NWT-000253, 1991 or ANSI
 T1M1.3/93-005R2,1993
 ansiT1231yr1993 -
 refers to ANSI T1.231, 1993 or Bellcore GR-253-CORE,
 Issue 2, 1995
 ituG826yr1995 -
 refers to ITU recommendation G.826, 1995"
 ::= { sonetpmThresholdEntry 2 }

sonetpmThreshCVSCurrent OBJECT-TYPE
 SYNTAX Integer32 (1..16383)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Current section CV threshold."
 ::= { sonetpmThresholdEntry 3 }

sonetpmThreshCVSDay OBJECT-TYPE
 SYNTAX Integer32 (1..1048575)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Day total section CV threshold."
 ::= { sonetpmThresholdEntry 4 }

sonetpmThreshESSCurrent OBJECT-TYPE
 SYNTAX Integer32 (1..900)

MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Current section ES threshold."
::= { sonetpmThresholdEntry 5 }

sonetpmThreshESSDay OBJECT-TYPE
SYNTAX Integer32 (1..65535)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Day total ES threshold."
::= { sonetpmThresholdEntry 6 }

sonetpmThreshSESSCurrent OBJECT-TYPE
SYNTAX Integer32 (1..63)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Current section SES threshold."
::= { sonetpmThresholdEntry 7 }

sonetpmThreshSESSDay OBJECT-TYPE
SYNTAX Integer32 (1..4095)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Day total SES threshold."
::= { sonetpmThresholdEntry 8 }

sonetpmThreshCVLCurrent OBJECT-TYPE
SYNTAX Integer32 (1..16383)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Current line CV threshold."
::= { sonetpmThresholdEntry 9 }

sonetpmThreshCVLDay OBJECT-TYPE
SYNTAX Integer32 (1..1048575)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Day total line CV threshold."
::= { sonetpmThresholdEntry 10 }

sonetpmThreshESLCurrent OBJECT-TYPE

SYNTAX Integer32 (1..900)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Current line ES threshold."
::= { sonetpmThresholdEntry 11 }

sonetpmThreshESLDay OBJECT-TYPE
 SYNTAX Integer32 (1..65535)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Day total line ES threshold."
 ::= { sonetpmThresholdEntry 12 }

sonetpmThreshSESLSLCurrent OBJECT-TYPE
 SYNTAX Integer32 (1..63)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Current line SES threshold."
 ::= { sonetpmThresholdEntry 13 }

sonetpmThreshSESLSLDay OBJECT-TYPE
 SYNTAX Integer32 (1..4095)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Day total line SES threshold."

 ::= { sonetpmThresholdEntry 14 }

sonetpmThreshUASLSLCurrent OBJECT-TYPE
 SYNTAX Integer32 (1..63)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Current line UAS threshold."
 ::= { sonetpmThresholdEntry 15 }

sonetpmThreshUASLSLDay OBJECT-TYPE
 SYNTAX Integer32 (1..4095)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Day total line UAS threshold."
 ::= { sonetpmThresholdEntry 16 }

sonetpmThreshCVPCurrent OBJECT-TYPE
SYNTAX Integer32 (1..16383)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Current path CV threshold."
::= { sonetpmThresholdEntry 17 }

sonetpmThreshCVPDay OBJECT-TYPE
SYNTAX Integer32 (1..1048575)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Day total path CV threshold."
::= { sonetpmThresholdEntry 18 }

sonetpmThreshESPCurrent OBJECT-TYPE
SYNTAX Integer32 (1..900)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Current path ES threshold."
::= { sonetpmThresholdEntry 19 }

sonetpmThreshESPDay OBJECT-TYPE
SYNTAX Integer32 (1..65535)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Day total path ES threshold."

::= { sonetpmThresholdEntry 20 }

sonetpmThreshSESPCurrent OBJECT-TYPE
SYNTAX Integer32 (1..63)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Current path SES threshold."
::= { sonetpmThresholdEntry 21 }

sonetpmThreshSESPDay OBJECT-TYPE
SYNTAX Integer32 (1..4095)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "Day total path SES threshold."

```

::= { sonetpmThresholdEntry 22 }

sonetpmThreshUASPCurrent OBJECT-TYPE
    SYNTAX Integer32 (1..63)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Current path UAS threshold."
    ::= { sonetpmThresholdEntry 23 }

sonetpmThreshUASPDDay OBJECT-TYPE
    SYNTAX Integer32 (1..4095)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Day total path UAS threshold."
    ::= { sonetpmThresholdEntry 24 }

sonetpmThreshRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "."
    ::= { sonetpmThresholdEntry 25 }

sonetpmThreshModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { sonetpmThresholdEntry 27 }

-- The SVC Address Group
--
-- The tables that are relevant to managing SVC addresses and prefixes
-- in a Cascade network.
--

```

```

--
-- SVC Node Prefix Table
--

svcNodePrefixTable OBJECT-TYPE
    SYNTAX SEQUENCE OF SvcNodePrefixEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table of prefixes associated with this node."
    ::= { svcaddress 1 }

svcNodePrefixEntry OBJECT-TYPE
    SYNTAX SvcNodePrefixEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The node prefix entry contains objects relevant to SVC
prefixes
    associated with the node."
    INDEX { switchIdIndex, svcNodePrefixIndex }
    ::= { svcNodePrefixTable 1 }

SvcNodePrefixEntry ::=
    SEQUENCE {
        svcNodePrefixIndex
            DisplayString,
        svcNodePrefixPrefix
            OCTET STRING,
        svcNodePrefixType
            INTEGER,
        svcNodePrefixNumBits
            Integer32,
        svcNodePrefixSourceAddrValidation
            INTEGER,
        svcNodePrefixRouteDetermination
            INTEGER,
        svcNodePrefixAddrRegistration
            INTEGER,
        svcNodePrefixRowStatus
            RowStatus,
        svcNodePrefixModifyType
            INTEGER,
        svcNodePrefixOrgScope
            INTEGER,
        svcNodePrefixInternalMgmt
            INTEGER,
        svcNodePrefixOSPFAreaSummary

```

```

        INTEGER,
        svcNodePrefixOSPFAreaID
        IPAddress,
        svcNodePrefixPnniExternalBit
        INTEGER,
        svcNodePrefixVnnExternalBit
        INTEGER,
        svcNodePrefixAdminCost
        Integer32
    }

```

```

svcNodePrefixNumBits OBJECT-TYPE
    SYNTAX Integer32 (1..160)
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of valid bits associated with this entry's
prefix object.
        By default, this value will be 8 times the prefix
object's octet
        string length. This value must be consistent with the
number of
        octets specified in the node prefix."
    ::= { svcNodePrefixEntry 1 }

```

```

svcNodePrefixType OBJECT-TYPE
    SYNTAX INTEGER {
        e164Native(1),
        atmEndsystem(2),
        unknown(4),
        dccAesa(100),
        icdAesa(101),
        e164Aesa(102),
        customAesa(103),
        defaultRoute(104),
        userPart(105),
        x121(8),
        dccAnycastAesa(106),
        icdAnycastAesa(107),
        e164AnycastAesa(108)
    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The numbering plan corresponding to this entry's prefix
object."
    ::= { svcNodePrefixEntry 2 }

```

```

svcNodePrefixPrefix OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE(1..20))
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "A prefix associated with this node. E.164 prefixes are
coded as
        1-15 ASCII octets with no leading padding required. ATM
endsystem
        prefixes are coded as 1-20 binary octets. Unused bits in
the last
        octet must be set to 0."
    ::= { svcNodePrefixEntry 3 }

svcNodePrefixSourceAddrValidation OBJECT-TYPE
    SYNTAX INTEGER {
        enable (5),
        disable (1)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC source address validation."
    ::= { svcNodePrefixEntry 4 }

svcNodePrefixRouteDetermination OBJECT-TYPE
    SYNTAX INTEGER {
        enable (3),
        disable (1)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC route determination. "
    ::= { svcNodePrefixEntry 5 }

svcNodePrefixAddrRegistration OBJECT-TYPE
    SYNTAX INTEGER {
        enable (9),
        disable (1)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " Used to enable/disable ILMI address registration. "
    ::= { svcNodePrefixEntry 6 }

svcNodePrefixRowStatus OBJECT-TYPE

```

```
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    " "
 ::= { svcNodePrefixEntry 7 }
```

```
svcNodePrefixModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { svcNodePrefixEntry 8 }
```

```
svcNodePrefixIndex OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Index for SVC Node Prefix."
    ::= { svcNodePrefixEntry 9 }
```

```
-- SVCEnhancements
```

```
svcNodePrefixOrgScope OBJECT-TYPE
    SYNTAX INTEGER {
        local(1),
        localPlusOne(2),
        localPlusTwo(3),
        siteMinusOne(4),
        intranetSite(5),
        sitePlusOne(6),
        orgPlusOne(9),
        communityMinusOne(10),
        intranetCommunity(11),
        communityPlusOne(12),
        regional(13),
        interRegional(14),
        global(15)
    }
    MAX-ACCESS read-write
```

```

STATUS current
DESCRIPTION
    "The variable gives the organization scope of
SvcNodePrefix "
 ::= { svcNodePrefixEntry 10 }

svcNodePrefixInternalMgmt OBJECT-TYPE
    SYNTAX INTEGER {
        enable (257),
        disable (1)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC Internal Management. "
    ::= { svcNodePrefixEntry 11 }

svcNodePrefixOSPFAreaSummary OBJECT-TYPE
    SYNTAX INTEGER {
        enable (129),
        disable (1)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC OSPF AreaSummary. "
    ::= { svcNodePrefixEntry 12 }

svcNodePrefixOSPFAreaID OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "OSPF Area ID to which the svcNodePrefix belongs.
        Default value is 0.0.0.1 for historical reasons"
    ::= { svcNodePrefixEntry 13 }

svcNodePrefixPnniExternalBit OBJECT-TYPE
    SYNTAX INTEGER { disable (0),
        enable (1024) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Pnni external bit."
    DEFVAL { disable }
    ::= { svcNodePrefixEntry 14 }

svcNodePrefixVnnExternalBit OBJECT-TYPE
    SYNTAX INTEGER { disable (0),
        enable (512) }

```

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION "Pnni external bit."
DEFVAL { disable }
::= { svcNodePrefixEntry 15 }

svcNodePrefixAdminCost OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The administrative cost associated with this node
        prefix. The default value is 0 if the PNNI and VNN
        external bits are not set, and 2^16-2 if either or
        both of the PNNI and VNN external bits are set"
    ::= { svcNodePrefixEntry 16 }

-- SVCEnhancements
--
-- SVC Port Prefix Table
--

svcPortPrefixTable OBJECT-TYPE
    SYNTAX SEQUENCE OF SvcPortPrefixEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table of SVC address prefixes associated with ports on
this node."
    ::= { svcaddress 2 }

svcPortPrefixEntry OBJECT-TYPE
    SYNTAX SvcPortPrefixEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The prefix entry contains objects relevant to SVC prefixes
        associated with this port. Note that the index
variable,
        svcPortPrefixPrefix is a variable length octet string and
as
        such is encoded with the octet string length per RFC1212,
        section 4.1.6."
    INDEX { switchIdIndex, lportIfIndex, svcPortPrefixIndex }
    ::= { svcPortPrefixTable 1 }

SvcPortPrefixEntry ::=
    SEQUENCE {
        svcPortPrefixPrefix

```

```

        OCTET STRING,
        svcPortPrefixType
        INTEGER,
        svcPortPrefixNumBits
        Integer32,
        svcPortPrefixAdminCost
        Integer32,
        svcPortPrefixLocalGatewayAddress
        OCTET STRING,
        svcPortPrefixRemoteGatewayAddress
        OCTET STRING,
        svcPortPrefixSourceAddrValidation
        INTEGER,
        svcPortPrefixRouteDetermination
        INTEGER,
        svcPortPrefixAddrRegistration
        INTEGER,
        svcPortPrefixRowStatus
        RowStatus,
        svcPortPrefixModifyType
        INTEGER,
        svcPortPrefixCugTermination
        INTEGER,
        svcPortPrefixIndex
        DisplayString,
        svcPortPrefixOrgScope
        INTEGER
    }

```

svcPortPrefixNumBits OBJECT-TYPE

SYNTAX Integer32 (0..160)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The number of valid bits associated with this entry's prefix object.

By default, this value will be 8 times the prefix object's octet

string length. This value must be consistent with the number of octets

specified in the prefix. The value 0 presents a special case and may

only be set when the prefix, itself, is a single octet of value 0. A

0-length prefix on this port signifies a default route to the switch's

routing function."

::= { svcPortPrefixEntry 1 }

```

svcPortPrefixType OBJECT-TYPE
    SYNTAX INTEGER {
        e164native(1),
        atmEndSystem(2),
        unknown(4),
        dccAesa(100),
        icdAesa(101),
        e164Aesa(102),
        customAesa(103),
        defaultRoute(104),
        userPart(105),
        x121(8),
        dccAnycastAesa(106),
        icdAnycastAesa(107),
        e164AnycastAesa(108)
    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The numbering plan corresponding to this entry's prefix
object."
    ::= { svcPortPrefixEntry 2 }

```

```

svcPortPrefixPrefix OBJECT-TYPE
    SYNTAX OCTET STRING (SIZE(1..20))
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "A prefix associated with this port. E.164 prefixes are
coded as
        1-15 ASCII octets with no leading padding required. ATM
endsystem
        prefixes are coded as 1-20 binary octets. Unused bits in
the last
        octet must be set to 0.

        For ATM DCE ports, only, atm-endsystem prefixes with
length 104 bits
        (13 octets) and all E.164 prefixes are eligible for ILMI
address
        registration."
    ::= { svcPortPrefixEntry 3 }

```

```

svcPortPrefixAdminCost OBJECT-TYPE
    SYNTAX Integer32 (0..65535)
    MAX-ACCESS read-write
    STATUS current

```

DESCRIPTION

"The administrative cost associated with this prefix."

::= { svcPortPrefixEntry 4 }

svcPortPrefixLocalGatewayAddress OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..20))

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is only relevant for ports connecting this network to

another network and is used to replace the calling party number

when egress address translation is configured to the appropriate mode.

E.164 addresses are coded as 1-15 ASCII octets

Atm-endsystem addresses

are coded as 20 octet binary addresses. A 0 length octet string will

invalidate this object."

::= { svcPortPrefixEntry 5 }

svcPortPrefixRemoteGatewayAddress OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..20))

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object is only relevant for ports connecting this network to

another network and is used to replace the calling party number

when egress address translation is configured to the appropriate mode.

E.164 addresses are coded as 1-15 ASCII octets

Atm-endsystem addresses

are coded as 20 octet binary addresses. A 0 length octet string will

invalidate this object."

::= { svcPortPrefixEntry 7 }

svcPortPrefixSourceAddrValidation OBJECT-TYPE

SYNTAX INTEGER {

disable (1),

enable (5)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

```

        "Used to enable/disable SVC port source address
validation."
        ::= { svcPortPrefixEntry 9 }

svcPortPrefixRouteDetermination OBJECT-TYPE
    SYNTAX INTEGER {
        disable (1),
        enable (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC port route determination "
    ::= { svcPortPrefixEntry 10 }

svcPortPrefixAddrRegistration OBJECT-TYPE
    SYNTAX INTEGER {
        disable (1),
        enable (9)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " Used to enable/disable port ILMI address registration"
    ::= { svcPortPrefixEntry 11 }

svcPortPrefixRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " "
    ::= { svcPortPrefixEntry 12 }

svcPortPrefixModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= { svcPortPrefixEntry 13 }

```

```

svcPortPrefixCugTermination OBJECT-TYPE
    SYNTAX INTEGER {
        disable (1),
        enable (33)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        ".
    ::= { svcPortPrefixEntry 8 }

svcPortPrefixIndex OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Index for SVC Port Prefix."
    ::= { svcPortPrefixEntry 14 }
--SvcEnhancements

svcPortPrefixOrgScope OBJECT-TYPE

    SYNTAX INTEGER {
        local(1),
        localPlusOne(2),
        localPlusTwo(3),
        siteMinusOne(4),
        intranetSite(5),
        sitePlusOne(6),
        orgPlusOne(9),
        communityMinusOne(10),
        intranetCommunity(11),
        communityPlusOne(12),
        regional(13),
        interRegional(14),
        global(15)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The variable gives the organization scope of
        SvcPortPrefix "
    ::= { svcPortPrefixEntry 15 }
--SvcEnhancements

--
--  SVC Addr Table
--

```

svcAddrTable OBJECT-TYPE
 SYNTAX SEQUENCE OF SvcAddrEntry
 MAX-ACCESS not-accessible
 STATUS current
 DESCRIPTION
 "A table of SVC addresses associated with with ports on
 this node."
 ::= { svcaddress 3 }

svcAddrEntry OBJECT-TYPE
 SYNTAX SvcAddrEntry
 MAX-ACCESS not-accessible
 STATUS current
 DESCRIPTION
 "The address entry contains objects relevant to SVC
 addresses
 associated with this port. Note that the index variable,
 svcAddrAddress is a variable length octet string and as
 such is encoded with the octet string length per RFC1212,
 section 4.1.6."
 INDEX { switchIdIndex, lportIfIndex, svcAddrAddressIndex }
 ::= { svcAddrTable 1 }

SvcAddrEntry ::=

 SEQUENCE {

 svcAddrAddressIndex

 DisplayString,

 svcAddrAddress

 OCTET STRING,

 svcAddrType

 INTEGER,

 svcAddrNumBits

 Integer32,

 svcAddrAdminCost

 Integer32,

 svcAddrSourceAddrValidation

 INTEGER,

 svcAddrRouteDetermination

 INTEGER,

 svcAddrPvpTermination

 INTEGER,

 svcAddrPvcTermination

 INTEGER,

 svcAddrPvcConnId

 INTEGER,

 svcAddrRowStatus

 RowStatus,

```

        svcAddrModifyType
            INTEGER,
        svcAddrCugTermination
            INTEGER,
        svcAddrVpi
            Integer32,
        svcAddrVci
            Integer32,
        svcAddrOrgScope
            INTEGER
    }

```

svcAddrType OBJECT-TYPE

```

    SYNTAX INTEGER {
        e164Native(1),
        atmEndSystem(2),
        unknown(4),
        dccAesa(100),
        icdAesa(101),
        e164Aesa(102),
        x121(8),
        customAesa(103),
        defaultRoute(104),
        userPart(105),
        dccAnycastAesa(106),
        icdAnycastAesa(107),
        e164AnycastAesa(108)
    }

```

```

    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION

```

"The numbering plan corresponding to this entry's address object."

```

    ::= { svcAddrEntry 2 }

```

svcAddrAddress OBJECT-TYPE

```

    SYNTAX OCTET STRING (SIZE(1..20))
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION

```

"An address associated with this port. E.164 addresses are coded as

1-15 ASCII octets. ATM-Endsystem addresses are coded as 20 binary octets."

```

    ::= { svcAddrEntry 1 }

```

```

svcAddrNumBits OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        ""
    ::= { svcAddrEntry 3 }

svcAddrAdminCost OBJECT-TYPE
    SYNTAX Integer32 (0..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The administrative cost associated with this address."
    ::= { svcAddrEntry 4 }

svcAddrSourceAddrValidation OBJECT-TYPE
    SYNTAX INTEGER {
        enable (5),
        disable (1)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC port source address
validation."
    ::= { svcAddrEntry 5 }

svcAddrRouteDetermination OBJECT-TYPE
    SYNTAX INTEGER {
        enable (3),
        disable (1)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC port route determination "
    ::= { svcAddrEntry 6 }

svcAddrPvpTermination OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(17)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION

```

```
    "."
 ::= { svcAddrEntry 7 }
```

svcAddrPvcTermination OBJECT-TYPE

```
SYNTAX INTEGER {
    disabled(1),
    enabled(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    ""
 ::= { svcAddrEntry 8 }
```

svcAddrPvcConnId OBJECT-TYPE

```
SYNTAX INTEGER {
    any(1),
    specific(2)
}
```

MAX-ACCESS read-write
STATUS current
DESCRIPTION

"This object specifies the connection ID associated with this address. It is applicable only if either of but not both of the PVC termination or PVP termination attributes are set. It is interpreted as a 32-bit integer with VPI and VCI/DLCI fields as follows:

bit	31	16	15	0
	----- -----			
	VPI		VCI/DLCI	
	----- -----			

For ATM PVC/PVP termination, a VPI of 0 and VCI of 0 indicate that the switch may select any VPI/VCI, as appropriate. For PVP termination, the VCI must be coded as 0.

For Frame Relay PVC termination, the VPI must be coded as 0. A DLCI of 0 indicates that the switch may select any DLCI, as appropriate."

```
 ::= { svcAddrEntry 9 }
```

svcAddrRowStatus OBJECT-TYPE

```
SYNTAX RowStatus
```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
"
"
::= { svcAddrEntry 10 }

svcAddrModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { svcAddrEntry 11 }

svcAddrCugTermination OBJECT-TYPE
SYNTAX INTEGER {
disabled(1),
enabled(33)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"
."
::= { svcAddrEntry 15 }

svcAddrVpi OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"
."
::= { svcAddrEntry 16 }

svcAddrVci OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"
."
::= { svcAddrEntry 17 }

svcAddrAddressIndex OBJECT-TYPE

SYNTAX DisplayString
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "Index for an ATM SVC address."
::= { svcAddrEntry 18 }

--SVCEnhancement

svcAddrOrgScope OBJECT-TYPE
SYNTAX INTEGER {
 local(1),
 localPlusOne(2),
 localPlusTwo(3),
 siteMinusOne(4),
 intranetSite(5),
 sitePlusOne(6),
 orgPlusOne(9),
 communityMinusOne(10),
 intranetCommunity(11),
 communityPlusOne(12),
 regional(13),
 interRegional(14),
 global(15)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The variable gives the organization scope of Svc Address "
::= { svcAddrEntry 19 }

--End_SVCEnhancement

--
-- SVC ATM User Part Table
--

svcAtmDteUserPartTable OBJECT-TYPE
SYNTAX SEQUENCE OF SvcAtmDteUserPartEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
 "A table of partial SVC addresses associated with ports on
this node,
 relevant only to ATM DTE ports for use in ILMI address
registration."
::= { svcaddress 4 }

svcAtmDteUserPartEntry OBJECT-TYPE

```

SYNTAX SvcAtmDteUserPartEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
    "The user part entry contains objects relevant to partial
SVC addresses
    associated with ATM DTE ports on this node."
INDEX { switchIdIndex, lportIfIndex, svcAtmDteUserPartIndex }
::= { svcAtmDteUserPartTable 1 }

SvcAtmDteUserPartEntry ::=
SEQUENCE {
    svcAtmDteUserPartIndex
        DisplayString,
    svcAtmDteUserPartUserPart
        OCTET STRING,
    svcAtmDteUserPartType
        INTEGER,
    svcAtmDteUserPartNumBits
        Integer32,
    svcAtmDteUserPartRowStatus
        RowStatus,
    svcAtmDteUserPartModifyType
        INTEGER
}

svcAtmDteUserPartIndex OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "Index for an ATM endsystem address."
::= { svcAtmDteUserPartEntry 1 }

svcAtmDteUserPartUserPart OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(7))
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "A partial ATM endsystem address associated with this ATM
DTE port.
    It will be combined with ATM endsystem prefixes received
from the
    peer DCE to form a full ATM endsystem address. This
object is coded
    as 7 binary octets."
::= { svcAtmDteUserPartEntry 2 }

svcAtmDteUserPartRowStatus OBJECT-TYPE

```

SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1)
notInService(2)
notReady(3)
createAndGo(4)
createAndWait(5)
destroy(6)"

::= { svcAtmDteUserPartEntry 5 }

svcAtmDteUserPartModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
writes to the database and sets the Out of Sync flag in the
database.
This value is re-set to normal after every transaction."
DEFVAL {normal}
::= { svcAtmDteUserPartEntry 6 }

svcAtmDteUserPartType OBJECT-TYPE
SYNTAX INTEGER {
userPart(105)
}

MAX-ACCESS read-only
STATUS current
DESCRIPTION
"."
::= { svcAtmDteUserPartEntry 3 }

svcAtmDteUserPartNumBits OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"."
::= { svcAtmDteUserPartEntry 4 }

-- The SVC Management Group

```

--
-- The tables that are relevant to managing ATM SVC's in a Cascade
network.
--

--
-- SVC Configuration Table
--

svcConfigTable OBJECT-TYPE
    SYNTAX SEQUENCE OF SvcConfigEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table of SVC configuration parameters associated with
logical ports.
        The number of entries is given by the value of ifNumber
in MIB-II."
    ::= { svcmgt 1 }

svcConfigEntry OBJECT-TYPE
    SYNTAX SvcConfigEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The SVC configuration entry contains objects relevant
to SVC
        operation on a logical port."
    INDEX { switchIdIndex, lportIfIndex }
    ::= { svcConfigTable 1 }

SvcConfigEntry ::=
    SEQUENCE {
        svcConfigCgPtyInsertionMode
            INTEGER,
        svcConfigCgPtyInsertionAddress
            OCTET STRING,
        svcConfigScrModeNodePrefix
            INTEGER,
        svcConfigCgPtyPresentationMode
            INTEGER,
        svcConfigEgressAddrXlateMode
            INTEGER,
        svcConfigIngressAddrXlateMode
            INTEGER,
        svcConfigHoldDownTimer
            Integer32,
        svcConfigLoadBalanceEligibilityDuration

```

```

        Integer32,
        svcConfigRowStatus
        RowStatus,
        svcConfigModifyType
        INTEGER,
        svcConfigScrModePrefix
        INTEGER,
        svcConfigScrModeAddress
        INTEGER,
        svcConfigSvcCdvTolerance
        Integer32,
        svcConfigSvcFailureTrapThresh
        Integer32,
        svcConfigSvcCugState
        INTEGER,
        svcConfigSvcFrameDiscard
        INTEGER,
        svcConfigFwdCktPriority
        Integer32,
        svcConfigRevCktPriority
        Integer32,
        svcConfigTNSPresentMode
                                INTEGER,
                                svcConfigTNSScreenMode
                                INTEGER
    }

svcConfigCgPtyInsertionMode OBJECT-TYPE
    SYNTAX  INTEGER {
        disabled (1),
        insert (2),  -- insert when absent
        replace (3)  -- insert/replace always
    }
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "This object determines whether a statically configured
address
        shall be inserted in the calling party address IE for
calls entering
        the network at this port."
    ::= { svcConfigEntry 1 }

svcConfigCgPtyInsertionAddress OBJECT-TYPE
    SYNTAX  OCTET STRING (SIZE(0..20))
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION

```

calling "The calling party address to use in conjunction with the
party insertion function. E.164 addresses are coded as
1-15 ASCII
octets. Atm-endsystem addresses are coded as 20 binary
octets. A
0 length octet string will NULL the address."
::= { svcConfigEntry 2 }

svcConfigScrModeNodePrefix OBJECT-TYPE

SYNTAX INTEGER {
 disable (1),
 enable (2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The type of screening to perform on the calling party
number for
calls entering the network at this port. Screening will
be conducted
by performing a bit-wise (for prefixes) or byte-wise (for
addresses)
comparison of the calling party number with the
appropriate prefix or
address database(s), as configured."
::= { svcConfigEntry 3 }

svcConfigCgPtyPresentationMode OBJECT-TYPE

SYNTAX INTEGER {
 user (1), -- use signalled presentation indicator
 never (2), -- override signalled presentation and
never present
 always (3) -- override signalled presentation and
always present
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "This object controls the circumstances under which the
calling party
number shall be presented at the egress port of the
network."
::= { svcConfigEntry 4 }

svcConfigEgressAddrXlateMode OBJECT-TYPE

```

SYNTAX INTEGER {
    disabled (1),
    tunnelWhenCalledPartyMatchesPrefix (2),
    replaceWhenCalledPartyMatchesPrefix (3),
    translateE164NativeToNsap (4),
    translateE164NsapToNative (5)
}
MAX-ACCESS      read-write
STATUS current
DESCRIPTION
    "This object determines the type of address translation,
if any
    to occur for calls exiting the network at this port.

    The tunnelling mode will screen the called address
against the
    prefixes configured for this port. If no match is found,
no
    action is taken. If a remote gateway address is
configured for the
    matching prefix entry, the called party address will be
tunnelled
    as a called subaddress and the configured remote gateway
address will
    be inserted as the called party address. If a local
gateway address
    is configured for the matching prefix entry, the calling
party address,
    if present, will be tunnelled as a calling subaddress and
the
    configured local gateway address, if present, will be
inserted as
    the calling party.

    The replacement mode will operate as does the tunnelling
mode, except
    the original called and calling party addresses will be
discarded.

    The two translation modes are used for address
interworking between
    networks using E.164 ATM Endsystem addresses and native
ISDN E.164 addresses."
 ::= { svcConfigEntry 5 }

svcConfigIngressAddrXlateMode OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),

```

```

        tunnel(2),
        translateE164NativeToNsap (4),
        translateE164NsapToative (5)
    }
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "This object determines the type of address translation,
if any
        to occur for calls entering the network at this port.

        The tunnelling mode reverses the actions of egress
tunnelling. If a
        called subaddress is present, it will replace the called
party address,
        which will be discarded. If a calling subaddress is
present, it will
        replace the calling party address, which will be
discarded.

        The two translation modes are used for address
interworking between networks
        using E.164 ATM Endsystem addresses and native ISDN E.164
addresses."
 ::= { svcConfigEntry 6 }

svcConfigHoldDownTimer OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " The duration in seconds (1..255) the network is allowed
to re-establish a SVC after network failure before clearing the
SVC.
        A value of (0) indicates immediate SVC clearing by the network."
 ::= { svcConfigEntry 7}

svcConfigLoadBalanceEligibilityDuration OBJECT-TYPE
    SYNTAX Integer32 (0..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The minimum duration for an SVC, in seconds, before it
becomes eligible for load balancing. The distinguished
value, 0, indicates no load balancing for SVC's
originating
        at this interface."
    DEFVAL { 3600 }

```

```

::= {svcConfigEntry 8}

svcConfigRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        ". "
    ::= {svcConfigEntry 9 }

svcConfigModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
        database.
        This value is re-set to normal after every transaction."
    DEFVAL {normal}
    ::= {svcConfigEntry 10 }

svcConfigScrModePrefix OBJECT-TYPE
    SYNTAX INTEGER {
        disable (1),
        enable (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        ". "
    ::= {svcConfigEntry 11 }

svcConfigScrModeAddress OBJECT-TYPE
    SYNTAX INTEGER {
        disable (1),
        enable (5)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        ". "
    ::= {svcConfigEntry 12}

svcConfigSvcCdvTolerance OBJECT-TYPE

```

```

        SYNTAX Integer32
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
            "The Cell Delay Variation Tolerance for the Svc
Configuration."
        ::= {svcConfigEntry 13 }

svcConfigSvcFailureTrapThresh OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "."
    ::= {svcConfigEntry 14 }

svcConfigSvcCugState OBJECT-TYPE
    SYNTAX INTEGER {
        disable (1),
        enable (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "."
    ::= {svcConfigEntry 15 }

svcConfigSvcFrameDiscard OBJECT-TYPE
    SYNTAX INTEGER {
        disable (1),
        enable (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "."
    ::= {svcConfigEntry 16 }

svcConfigFwdCktPriority OBJECT-TYPE
    SYNTAX Integer32(1..3)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The discard priority level (1 through 3) for this
        circuit in the ingress direction. Affects SVCs
        originating on this logical port."
    DEFVAL { 2 }
    ::= {svcConfigEntry 17 }

```

logical "A table of ATM signalling parameters associated with ATM
ports. The maximum number of entries is given by the
value of ifNumber in MIB-II."
::= { svcmgt 4 }

svcAtmConfigEntry OBJECT-TYPE
SYNTAX SvcAtmConfigEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"The SVC ATM configuration entry contains objects relevant
to the configuration and monitoring of ATM signalling on an
ATM logical port."
INDEX { switchIdIndex, lportIfIndex }
::= { svcAtmConfigTable 1 }

SvcAtmConfigEntry ::=

SEQUENCE {
 svcAtmConfigSigAdminStatus
 INTEGER,
 svcAtmConfigQ93bMaxRestart
 Integer32,
 svcAtmConfigQ93bMaxStatEnq
 Integer32,
 svcAtmConfigQ93bT303
 Integer32,
 svcAtmConfigQ93bT308
 Integer32,
 svcAtmConfigQ93bT309
 Integer32,
 svcAtmConfigQ93bT310
 Integer32,
 svcAtmConfigQ93bT313
 Integer32,
 svcAtmConfigQ93bT316
 Integer32,
 svcAtmConfigQ93bT322
 Integer32,
 svcAtmConfigQ93bT398
 Integer32,
 svcAtmConfigQ93bT399
 Integer32,
 svcAtmConfigQSaalMaxCC
 Integer32,

```

    svcAtmConfigQSaalMaxPD
        Integer32,
    svcAtmConfigQSaalMaxStat
        Integer32,
    svcAtmConfigQSaalTPoll
        Integer32,
    svcAtmConfigQSaalTKeepalive
        Integer32,
    svcAtmConfigQSaalTNoResponse
        Integer32,
    svcAtmConfigQSaalTCC
        Integer32,
    svcAtmConfigQSaalTIdle
        Integer32,
    svcAtmConfigRowStatus
        RowStatus,
    svcAtmConfigModifyType
        INTEGER,
    svcAtmConfigSigFwdTD
        DisplayString,
    svcAtmConfigSigRevTD
        DisplayString,
    svcAtmConfigQ93bT301
        Integer32,
    svcAtmConfigQ93bT397
        Integer32,
    svcAtmConfigQSaalHoldoffTime
        Integer32,
    svcAtmConfigQSaalWindowSize
        Integer32
}

```

```

svcAtmConfigSigAdminStatus OBJECT-TYPE

```

```

    SYNTAX INTEGER {

```

```

        enabled (1),

```

```

        disabled (2)

```

```

    }

```

```

    MAX-ACCESS read-write

```

```

    STATUS current

```

```

    DESCRIPTION

```

```

        "The configured state of the ATM signalling function for
this port."

```

```

    ::= { svcAtmConfigEntry 1 }

```

```

svcAtmConfigQ93bMaxRestart OBJECT-TYPE

```

```

    SYNTAX Integer32

```

```

    MAX-ACCESS read-write

```

```

    STATUS current

```

DESCRIPTION
 "The maximum number of unacknowledged restarts to send
 before
 declaring a signalling failure."
 ::= { svcAtmConfigEntry 2 }

svcAtmConfigQ93bMaxStatEnq OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The maximum number of unacknowledged status enquiries to
 send
 before issuing a restart."
 ::= { svcAtmConfigEntry 3 }

svcAtmConfigQ93bT303 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Protocol Timer T303, specified in milliseconds."
 ::= { svcAtmConfigEntry 4 }

svcAtmConfigQ93bT308 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Protocol Timer T308, specified in milliseconds."
 ::= { svcAtmConfigEntry 5 }

svcAtmConfigQ93bT309 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Protocol Timer T309, specified in milliseconds."
 ::= { svcAtmConfigEntry 6 }

svcAtmConfigQ93bT310 OBJECT-TYPE
 SYNTAX Integer32
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Protocol Timer T310, specified in milliseconds."
 ::= { svcAtmConfigEntry 7 }

```

svcAtmConfigQ93bT313 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Protocol Timer T313, specified in milliseconds."
    ::= { svcAtmConfigEntry 8 }

svcAtmConfigQ93bT316 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Protocol Timer T316, specified in milliseconds."
    ::= { svcAtmConfigEntry 9 }

svcAtmConfigQ93bT322 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Protocol Timer T322, specified in milliseconds."
    ::= { svcAtmConfigEntry 10 }

svcAtmConfigQ93bT398 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Protocol Timer T398, specified in milliseconds."
    ::= { svcAtmConfigEntry 11 }

svcAtmConfigQ93bT399 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Protocol Timer T399, specified in milliseconds."
    ::= { svcAtmConfigEntry 12 }

svcAtmConfigQSaalMaxCC OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The maximum number of unacknowledged transmitted control
PDU's
        before declaring a loss of connection."

```

```

::= { svcAtmConfigEntry 13 }

svcAtmConfigQSaalMaxPD OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "The maximum number of PDU's transmitted before a POLL PDU
is
        transmitted."
    ::= { svcAtmConfigEntry 14 }

svcAtmConfigQSaalMaxStat OBJECT-TYPE
    SYNTAX Integer32 (1..67)
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "The maximum number of list elements in a STAT PDU."
    ::= { svcAtmConfigEntry 15 }

svcAtmConfigQSaalTPoll OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "The protocol timer corresponding to the polling function,
        specified in milliseconds."
    ::= { svcAtmConfigEntry 16 }

svcAtmConfigQSaalTKeepalive OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "The protocol timer corresponding to the keepalive
function,
        specified in milliseconds."
    ::= { svcAtmConfigEntry 17 }

svcAtmConfigQSaalTNoResponse OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS    read-write
    STATUS current
    DESCRIPTION
        "The protocol timer corresponding to the response timeout
function,
        specified in milliseconds."
    ::= { svcAtmConfigEntry 18 }

```

svcAtmConfigQSaalTCC OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The protocol timer corresponding to the transmission of control PDU's, specified in milliseconds."

::= { svcAtmConfigEntry 19 }

svcAtmConfigQSaalTidle OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The protocol timer corresponding to the idle function for UNI 3.1, only, specified in milliseconds."

::= { svcAtmConfigEntry 20 }

svcAtmConfigRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized but not made active by client.

notReady(3) - Row has been created but contains ?holes?, waiting for client to finish.

createAndGo(4) - Not supported.

createAndWait(5) - Create new row.

destroy(6) - Delete an existing row."

::= { svcAtmConfigEntry 21 }

svcAtmConfigModifyType OBJECT-TYPE

SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the switch.

Set this to dbOnly to send writes only to the database.

dbOnlySetOutOfSync sends

writes to the database and sets the Out of Sync flag in the database.

This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { svcAtmConfigEntry 22 }

```

svcAtmConfigSigFwdTD OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Forward Traffic Descriptor to specify QoS for Signalling
        channel on ATM UNI Direct and Virtual LPorts"
    ::= { svcAtmConfigEntry 23 }

svcAtmConfigSigRevTD OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Reverse Traffic Descriptor to specify QoS for Signalling
        channel on ATM UNI Direct and Virtual LPorts"
    ::= { svcAtmConfigEntry 24 }

svcAtmConfigQ93bT301 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Protocol Timer T301, specified in milliseconds."
    DEFVAL {180000}
    ::= { svcAtmConfigEntry 25 }

svcAtmConfigQ93bT397 OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Protocol Timer T397, specified in milliseconds."
    DEFVAL {180000}
    ::= { svcAtmConfigEntry 26 }

svcAtmConfigQSaalHoldoffTime OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "After signaling is disabled due to pport admin down,
        lport admin down, or pport LOS/OOF condition, wait
        this many seconds before allowing signaling to come
        back up. This will force a SAAL Failure to be processed
        by the peer device. This feature accomodates certain
        CPE that don't respond to the SAAL Reset condition."

```

```

        DEFVAL {35}
        ::= { svcAtmConfigEntry 27 }

svcAtmConfigQSaalWindowSize OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " The window size for Q.SAAL."
    DEFVAL {32}
    ::= { svcAtmConfigEntry 28 }
--
--   SVC Frame Relay Configuration Table
--

svcFrConfigTable OBJECT-TYPE
    SYNTAX SEQUENCE OF SvcFrConfigEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table of Frame Relay SVC signalling parameters
associated
        with FR logical ports. The maximum number of entries is
given
        by the value of ifNumber in MIB-II."
    ::= { svcmgt 3 }

svcFrConfigEntry OBJECT-TYPE
    SYNTAX SvcFrConfigEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The SVC Frame Relay configuration entry contains objects
        relevant to the configuration and monitoring of Frame Relay
        SVC signalling on an ATM logical port."
    INDEX { switchIdIndex, lportIfIndex }
    ::= { svcFrConfigTable 1 }

SvcFrConfigEntry ::=
    SEQUENCE {
        svcFrConfigRowStatus
            RowStatus,
        svcFrConfigModifyType
            INTEGER,
        svcFrConfigQoS
            INTEGER,
        svcFrConfigRQoS

```

```

        INTEGER,
        svcFrConfigQ922Signal
        INTEGER
    }

svcFrConfigRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but not
        made
            active by client.
        notReady(3) - Row has been created but contains holes, waiting for
            client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create a new row.
        destroy(6) - Delete an existing row."
    ::= { svcFrConfigEntry 1 }

svcFrConfigModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends writes to the database and sets the Out of
        Sync flag in the database. This value is re-set to normal after
        every
            transaction."
    DEFVAL { normal }
    ::= { svcFrConfigEntry 2 }

svcFrConfigQoS OBJECT-TYPE
    SYNTAX INTEGER {
        cfr (1),
        vfrrt (2),
        vfrnrt (3),
        ufr (4)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The Quality of Service of the Frame Relay Circuit
        in the ingress direction. Affects Frame Relay SVCs
        originating on this logical port."

```

```

        DEFVAL { vfrnrt }
        ::= { svcFrConfigEntry 3 }

svcFrConfigRQoS OBJECT-TYPE
    SYNTAX INTEGER {
        cfr (1),
        vfrt (2),
        vfrnrt (3),
        ufr (4)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The Quality of Service of the Frame Relay Circuit
        in the egress direction. Affects Frame Relay SVCs
        originating on this logical port."
    DEFVAL { vfrnrt }
    ::= { svcFrConfigEntry 4 }

svcFrConfigQ922Signal OBJECT-TYPE
    SYNTAX INTEGER {
        enabled (1),
        disabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Frame relay Q922 signal enable/disable."
    ::= { svcFrConfigEntry 5 }

--
-- SVC - VPCI table
--

svcVpciTable OBJECT-TYPE
    SYNTAX SEQUENCE OF SvcVpciEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table of VPCIs associated with ports on this node."
    ::= { svcmgt 2 }

svcVpciEntry OBJECT-TYPE
    SYNTAX SvcVpciEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The VPCI entry contains objects relevant to VPCIs

```

```
associated with this port."
INDEX { switchIdIndex, svcVpciIfIndex, svcVpciVpci }
::= { svcVpciTable 1 }
```

```
SvcVpciEntry ::=
SEQUENCE {
    svcVpciRowStatus
        RowStatus,
    svcVpciModifyType
        INTEGER,
    svcVpciStatus
        INTEGER,
    svcVpciVpi
        Integer32,
    svcVpciPeerLPort
        OBJECT IDENTIFIER,
    svcVpciIfIndex
        Integer32,
    svcVpciVpci
        Integer32
}
```

```
svcVpciRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Row status active(1) - Row is currently usable.
notInService(2) - Row has been created and initialized but
not made active by client.
notReady(3) - Row has been created but contains holes,
waiting for client to finish.
createAndGo(4) - Not supported.
createAndWait(5) - Create a new row.
destroy(6) - Delete an existing row."
::= { svcVpciEntry 1 }
```

```
svcVpciModifyType OBJECT-TYPE
SYNTAX INTEGER {
    normal (1),
    dbOnly (4),
    dbOnlySetOutOfSync (5)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch.
Set this to dbOnly to send writes only to the database."
```

dbOnlySetOutOfSync sends
 writes to the database and sets the Out of Sync flag in the
 database.
 This value is re-set to normal after every transaction."
 DEFVAL {normal}
 ::= { svcVpciEntry 2 }

svcVpciStatus OBJECT-TYPE
 SYNTAX INTEGER {
 unknown (1), -- Row status has not been set yet;
 active (2), -- Row is active;
 inactive (3), -- Row has been created, but is inactive;
 delete (4) -- Row is to be removed
 }
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Status of row in VPCI table."
 DEFVAL { unknown }
 ::= { svcVpciEntry 3 }

svcVpciVpi OBJECT-TYPE
 SYNTAX Integer32 (0..4095)
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "Actual value specified here is used in the ATM Cell
 Header. At an NNI interface VPI is 12-Bits and at the
 UNI the VPI is 8 Bits. The value of VPI which can
 be selected is limited to the VPI range specified at the lport.
 Range of VCI's which may be allocated for this VPI is
 specified in svcVciStart & svcVciStop."
 DEFVAL { 0 }
 ::= { svcVpciEntry 4 }

svcVpciPeerLPort OBJECT-TYPE
 SYNTAX OBJECT IDENTIFIER
 MAX-ACCESS read-write
 STATUS current
 DESCRIPTION
 "The object ID of the Peer LPort. The OID is switch IP address,
 LPort interface number"
 ::= { svcVpciEntry 5 }

svcVpciIfIndex OBJECT-TYPE
 SYNTAX Integer32 (1..65535)
 MAX-ACCESS not-accessible
 STATUS current

DESCRIPTION "The interface value of the corresponding LPort."
::= { svcVpciEntry 6 }

svcVpciVpci OBJECT-TYPE
SYNTAX Integer32 (1..65535)
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "VPCI is an abstract 16 bit value which is used to
identify
the connection resources associated with an
interface."
::= { svcVpciEntry 7 }

-- Atm Traffic Descriptor Pool Table
-- The index is Traffic Descriptor Name

trafficDescriptorPoolTable OBJECT-TYPE
SYNTAX SEQUENCE OF TrafficDescriptorPoolEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This table contains information on ATM traffic
descriptor type and the associated parameters."
::= { network 15 }

trafficDescriptorPoolEntry OBJECT-TYPE
SYNTAX TrafficDescriptorPoolEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This list contains ATM traffic descriptor
type and the associated parameters."
INDEX { networkIdIndex, trafficDescriptorName }
::= { trafficDescriptorPoolTable 1 }

TrafficDescriptorPoolEntry ::=

```
SEQUENCE {
    trafficDescriptorName
        DisplayString,
    trafficDescriptorType
        INTEGER,
    trafficDescriptorParam1
        Integer32 (-2147483648..2147483647),
    trafficDescriptorParam2
        Integer32 (-2147483648..2147483647),
```

```

        trafficDescriptorParam3
            Integer32 (-2147483648..2147483647),
        trafficDescriptorQoSClass
            Integer32,
        trafficDescriptorRowStatus
            RowStatus,
        trafficDescriptorModifyType
            INTEGER
    }

trafficDescriptorName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Customer assigned name of this Traffic Descriptor."
    ::= { trafficDescriptorPoolEntry 1 }

trafficDescriptorType OBJECT-TYPE
    SYNTAX INTEGER {
        pcrClp0PcrClp01 (1),
        pcrClp0PcrClp01Tagging (2),
        pcrClp01ScrClp0MbsClp0 (3),
        pcrClp01ScrClp0MbsClp0Tagging (4),
        pcrClp01 (5),
        pcrClp01ScrClp01MbsClp01 (6),
        bestEffort (7),
        pcrClp0McrClp0 (8),
        unspBestEffort(9)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The value of this object identifies the type
        of ATM traffic descriptor.
        The type may indicate no traffic descriptor or
        traffic descriptor with one or more parameters.
        These parameters are specified as a parameter
        vector, in the corresponding instances of the
        objects:
        trafficDescriptorParam1
        trafficDescriptorParam2
        trafficDescriptorParam3
        trafficDescriptorParam4
        trafficDescriptorParam5.
        The attribute cannot be modified after creation."
    ::= { trafficDescriptorPoolEntry 2 }

trafficDescriptorParam1 OBJECT-TYPE

```

SYNTAX Integer32 (-2147483648..2147483647)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The first parameter of the ATM traffic descriptor
 used according to the value of trafficDescriptorType.
 The attribute cannot be modified after creation."
DEFVAL { 0 }
::= { trafficDescriptorPoolEntry 3 }

trafficDescriptorParam2 OBJECT-TYPE
SYNTAX Integer32 (-2147483648..2147483647)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The second parameter of the ATM traffic descriptor
 used according to the value of trafficDescriptorType.
 The attribute cannot be modified after creation."
DEFVAL { 0 }
::= { trafficDescriptorPoolEntry 4 }

trafficDescriptorParam3 OBJECT-TYPE
SYNTAX Integer32 (-2147483648..2147483647)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The third parameter of the ATM traffic descriptor
 used according to the value of trafficDescriptorType.
 The attribute cannot be modified after creation."
DEFVAL { 0 }
::= { trafficDescriptorPoolEntry 5 }

trafficDescriptorQoSClass OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
 "The value of this object identifies the QoS Class.
 Four Service classes have been
 specified in the ATM Forum UNI Specification:
 Service Class A: Constant bit rate video and
 Circuit emulation
 Service Class B: Variable bit rate video/audio
 Service Class C: Connection-oriented data
 Service Class D: Connectionless data
 Four QoS classes numbered 1, 2, 3, and 4 have
 been specified with the aim to support service
 classes A, B, C, and D respectively.

An unspecified QoS Class numbered '0' is used for best effort traffic.
The attribute cannot be modified after creation."
DEFVAL { 0 }
::= { trafficDescriptorPoolEntry 6 }

trafficDescriptorRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This object is used to create a new row or modify or delete an existing row in this table."
DEFVAL { active }
::= { trafficDescriptorPoolEntry 7 }

trafficDescriptorModifyType OBJECT-TYPE
SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"By default, writes are stored to the database and the switch. Set this to dbOnly to send writes only to the database. dbOnlySetOutOfSync sends writes to the database and sets the Out of Sync flag in the database. This value is re-set to normal after every transaction."
DEFVAL { normal }
::= { trafficDescriptorPoolEntry 8 }

-- PFDL
--
-- Extended Superframe attributes for PPort valid only of 8 port Atm T1 card on Cascade 500 switches
--
-- The PFDL Table for Extended Superframe attributes

pportPFdlTable OBJECT-TYPE
SYNTAX SEQUENCE OF PportPFdlEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A table of extended superframe attributes associated with 8 port Atm T1 pports."
::= { pport 4 }

```

pportPFdlEntry OBJECT-TYPE
    SYNTAX PportPFdlEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Information of a Extended Superframe "
    INDEX { switchIdIndex, slotIdIndex, pportIdIndex }
    ::= { pportPFdlTable 1 }

PportPFdlEntry ::=
    SEQUENCE {
        pportPFdlControl
            INTEGER,
        pportPFdlPrmTransmission
            INTEGER,
        pportPFdlPathIdTransmission
            INTEGER,
        pportPFdlEquipmentCode
            DisplayString,
        pportPFdlLocationCode
            DisplayString,
        pportPFdlFrameCode
            DisplayString,
        pportPFdlUnitCode
            DisplayString,
        pportPFdlFacilityCode
            DisplayString,
        pportPFdlRowStatus
            RowStatus,
        pportPFdlModifyType
            INTEGER
    }

pportPFdlControl OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Enables or Disables FDL Function for DS1 ESF pport."
    ::= { pportPFdlEntry 1 }

pportPFdlPrmTransmission OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2)
    }

```

```

    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Enables or Disables transmission of Performance
Monitoring Report
        (PRM) messages on the DS1 ESF FDL."
    ::= { pportPFdlEntry 2 }

pportPFdlPathIdTransmission OBJECT-TYPE
    SYNTAX INTEGER {
        disabled(1),
        enabled(2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Enables or Disables transmission of Path ID (PID)
messages on the DS1 ESF FDL"
    ::= { pportPFdlEntry 3 }

pportPFdlEquipmentCode OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Equipment Code of Transmission Path ID (PID) on the
DS1 ESF FDL"
    ::= { pportPFdlEntry 4 }

pportPFdlLocationCode OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Location Code of Transmission Path ID (PID) on the DS1
ESF FDL"
    ::= { pportPFdlEntry 5 }

pportPFdlFrameCode OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Frame Code of Transmission Path ID (PID) on the DS1
ESF FDL"
    ::= { pportPFdlEntry 6 }

```

```

pportPFdlUnitCode OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Unit Code of Transmission Path ID (PID) on the DS1 ESF
FDL"
    ::= { pportPFdlEntry 7 }

pportPFdlFacilityCode OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Facility Code of Transmission Path ID (PID) on the DS1
ESF FDL"
    ::= { pportPFdlEntry 8 }

pportPFdlRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized but
not made active by client.
        notReady(3) - Not supported
        createAndGo(4) - Not supported.
        createAndWait(5) - Not supported.
        destroy(6) - Not supported."
    ::= { pportPFdlEntry 9 }

pportPFdlModifyType OBJECT-TYPE
    SYNTAX INTEGER { normal(1), dbOnly(4), dbOnlySetOutOfSync(5) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "By default, writes are stored to the database and the switch.
        Set this to dbOnly to send writes only to the database.
dbOnlySetOutOfSync sends
        writes to the database and sets the Out of Sync flag in the
database.
        This value is re-set to normal after every transaction."
    DEFVAL { normal }
    ::= { pportPFdlEntry 10 }

--- SVC Network Id Table

```

svcNetworkIdTable OBJECT-TYPE
SYNTAX SEQUENCE OF SvcNetworkIdEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A table of SVC address Network Id's associated with
the LPort."
::= { svcaddress 5 }

svcNetworkIdEntry OBJECT-TYPE
SYNTAX SvcNetworkIdEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"The Network Id Entry contains objects relevent to SVC
NetworkId's associated with this LPort. Note that the
index variable, svcNetworkId is a variable length octet
string and as such is encoded with the octet string
length per RFC1212, section 4.1.6."
INDEX { switchIdIndex, lportIfIndex, svcNetworkIdIndex }
::= { svcNetworkIdTable 1 }

SvcNetworkIdEntry ::=

SEQUENCE {
 svcNetworkIdRowStatus
 RowStatus,
 svcNetworkIdModifyType
 INTEGER,
 svcNetworkIdType
 INTEGER,
 svcNetworkIdPrefix
 OCTET STRING,
 svcNetworkIdNumBits
 Integer32,
 svcNetworkIdSourceValidation
 INTEGER,
 svcNetworkIdSourceDefault
 INTEGER,
 svcNetworkIdRouteDetermination
 INTEGER,
 svcNetworkIdAdjacentNetwork
 INTEGER,
 svcNetworkIdAdminCost
 Integer32,
 svcNetworkIdIndex

```
        DisplayString
    }
```

svcNetworkIdRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Row status:

active(1) - Row is currently usable.

notInService(2) - Row has been created and initialized
but not made active by client.

notReady(3) - Row has been created but contains holes,
waiting for client to finish.

createAndGo(4) - Not Supported.

createAndWait(5) - Create a new row.

destroy(6) - Delete an existing row"

::= { svcNetworkIdEntry 1 }

svcNetworkIdModifyType OBJECT-TYPE

SYNTAX INTEGER {

normal(1),

dbOnly(4),

dbOnlySetOutOfSync(5)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"By default, writes are stored to the database and the
switch. Set this to dbOnly to send writes only to the
database. dbOnlySetOutOfSync sends writes to the
database and sets the Out of Sync flag in the database.
This value is re-set to normal after every transaction."

DEFVAL {normal}

::= { svcNetworkIdEntry 2 }

svcNetworkIdType OBJECT-TYPE

SYNTAX INTEGER {

unknown(4),

cic (16),

dnic (32)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The numbering plan corresponding to this entry's
NetworkId object."

::= { svcNetworkIdEntry 3 }

svcNetworkIdPrefix OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1..20))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"A prefix associated with this port. CIC prefixes are coded as 1-8 ASCII octets, and DNIC prefixes are coded as 4 ASCII octets."

::= { svcNetworkIdEntry 4 }

svcNetworkIdNumBits OBJECT-TYPE

SYNTAX Integer32 (0..160)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The number of valid bits associated with this entry's NetworkId object. By default, this value will be 8 times the NetworkId object's octet string length. This value must be consistent with the number of octets specified in the NetworkId."

::= { svcNetworkIdEntry 5 }

svcNetworkIdSourceValidation OBJECT-TYPE

SYNTAX INTEGER {

disable (1),

enable (5)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Used to enable/disable SVC port Source Validation."

::= { svcNetworkIdEntry 6 }

svcNetworkIdSourceDefault OBJECT-TYPE

SYNTAX INTEGER {

disable (1),

enable (262145)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Used to enable/disable SVC port Source Default."

::= { svcNetworkIdEntry 7 }

svcNetworkIdRouteDetermination OBJECT-TYPE

SYNTAX INTEGER {

```

        disable (1),
        enable (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC port route determination."
    ::= { svcNetworkIdEntry 8 }

svcNetworkIdAdjacentNetwork OBJECT-TYPE
    SYNTAX INTEGER {
        disable (1),
        enable (131073)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Used to enable/disable SVC port Adjacent Networki."
    ::= { svcNetworkIdEntry 9 }

svcNetworkIdAdminCost OBJECT-TYPE
    SYNTAX Integer32 (0..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The administrative cost associated with this prefix."
    ::= { svcNetworkIdEntry 10 }

svcNetworkIdIndex OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Index for SVC Network Id."
    ::= { svcNetworkIdEntry 11 }

---
--- SVC Network Id Table

-- definition of trunk attributes.

trunk OBJECT IDENTIFIER ::= { psMibRev2 22 }

trunkTable OBJECT-TYPE
    SYNTAX SEQUENCE OF TrunkTableEntry
    MAX-ACCESS not-accessible

```

STATUS current
DESCRIPTION " This table contains information on Trunks that have
been configured in the network"
::= { trunk 1 }

trunkNameIndex OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "Trunk Name (index)."
::= { trunk 2 }

trunkTableEntry OBJECT-TYPE
SYNTAX TrunkTableEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION " A list of supported attributes on a trunk"
INDEX { networkIdIndex,
trunkNameIndex
}
::= { trunkTable 1 }

TrunkTableEntry ::=
SEQUENCE {
trunkLPort1
OBJECT IDENTIFIER,
trunkLPort2
OBJECT IDENTIFIER,
trunkType
INTEGER,
trunkName
DisplayString,
trunkAreaId
IpAddress,
trunkAdminCost
Integer32,
trunkKeepAliveErrorThreshold
Integer32,
trunkVpnName
DisplayString,
trunkTrafficMix
INTEGER,
trunkSubscriptionFactor
Integer32,
trunkPrimaryTrunkForBackup
OBJECT IDENTIFIER,
trunkCallSetupRetryInterval
Integer32,

```

trunkRetriesSetupCycle
    Integer32,
trunkRetryCycleInterval
    Integer32,
trunkInitiateBackupCallSetup
    INTEGER,
trunkBackupOnTrunkFailure
    INTEGER,
trunkFailureThreshold
    Integer32,
trunkRestorationThreshold
    Integer32,
trunkDefinedBandwidth
    Integer32,
trunkVirtualBandwidth
    Integer32,
trunkRowStatus
    RowStatus,
trunkModifyType
    INTEGER
}

```

```

trunkLPort1 OBJECT-TYPE
    SYNTAX OBJECT IDENTIFIER
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The Object Id of the source Trunk LPort"
    ::= { trunkTableEntry 1 }

```

```

trunkLPort2 OBJECT-TYPE
    SYNTAX OBJECT IDENTIFIER
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The Object Id of the destination Trunk LPort"
    ::= { trunkTableEntry 2 }

```

```

trunkType OBJECT-TYPE
    SYNTAX INTEGER {
        normal (1),
        primary (2),
        backup (3)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " The Present mode of the trunk. By default it is normal"
    DEFVAL {normal}
    ::= { trunkTableEntry 3 }

```

```

trunkName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " Trunk Name"
    ::= { trunkTableEntry 4 }

trunkAreaId OBJECT-TYPE
    SYNTAX IpAddress
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "OSPF Area ID to which the trunk belongs. Default value
        is 0.0.0.1 for historical reasons"
    ::= { trunkTableEntry 5 }

trunkAdminCost OBJECT-TYPE
    SYNTAX Integer32 (1..65535)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The administrative cost of the trunk. Used when routing
        circuits. Trunks with lower costs are preferred. Value
        ranges from 1 to 65,535."
    DEFVAL {100}
    ::= { trunkTableEntry 6 }

trunkKeepAliveErrorThreshold OBJECT-TYPE
    SYNTAX Integer32 (3..255)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Declare the interface down after this many keep-alive
        packets in a row missed. The default is 5 "
    DEFVAL {5}
    ::= { trunkTableEntry 7 }

trunkVpnName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " The VPN name to which this trunk belongs"
    ::= { trunkTableEntry 8 }

trunkTrafficMix OBJECT-TYPE
    SYNTAX INTEGER {
        all (1),
        mgmtOnly (2),
        mgmtAndUserData (3)
    }
    MAX-ACCESS read-write

```

STATUS current
DESCRIPTION "The type of traffic allowed over a Cascade Trunk"
DEFVAL {all}
::= { trunkTableEntry 9 }

trunkSubscriptionFactor OBJECT-TYPE
SYNTAX Integer32 (100..10000)
MAX-ACCESS read-write
STATUS current
DESCRIPTION "A factor by which oversubscription is allowed in
percentage"
DEFVAL {100}
::= { trunkTableEntry 10 }

trunkPrimaryTrunkForBackup OBJECT-TYPE
SYNTAX OBJECT IDENTIFIER
MAX-ACCESS read-write
STATUS current
DESCRIPTION " The object Identifier of the primary lport. "
::= { trunkTableEntry 11 }

trunkCallSetupRetryInterval OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The number of seconds between backup trunk call setup
retries."
DEFVAL {15}
::= { trunkTableEntry 12 }

trunkRetriesSetupCycle OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The number of backup trunk call setup tries per call
setup
cycle. "
DEFVAL {20}
::= { trunkTableEntry 13 }

trunkRetryCycleInterval OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "The number of minutes between call setup retry cycles. "
DEFVAL {10}
::= { trunkTableEntry 14 }

```

trunkInitiateBackupCallSetup OBJECT-TYPE
    SYNTAX INTEGER {
        no (1),
        yes (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "YES if node should initiate backup trunk call setup for
        this primary trunk. "
    DEFVAL {yes}
    ::= { trunkTableEntry 15 }

trunkBackupOnTrunkFailure OBJECT-TYPE
    SYNTAX INTEGER {
        disabled (1),
        enabled (2)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "Enables or disables trunk backup when link is down"
    DEFVAL {enabled}
    ::= { trunkTableEntry 16 }

trunkFailureThreshold OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The number of seconds a primary trunk must remain down
for
        trunk backup to be initiated"
    DEFVAL {5}
    ::= { trunkTableEntry 17 }

trunkRestorationThreshold OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "The number of seconds a primary trunk must remain up for
        trunk backup to be terminated. "
    DEFVAL {15}
    ::= { trunkTableEntry 18 }

trunkDefinedBandwidth OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " The bandwidth of the trunk. This is the maximum of
        both the lport bandwidths"

```

```

::= { trunkTableEntry 19 }

trunkVirtualBandwidth OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " The virtual bandwidth available for the trunk. This
        is calculated using the formula :
            definedBandwidth * (100 - Overhead) /
SubscriptionFactor."
    ::= { trunkTableEntry 20 }

trunkRowStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION " Row status active(1) - Row is currently usable.
        notInService(2) - Row has been created and initialized
but
        not made active by client.
        notReady(3) - Row has been created but contains holes,
            waiting for client to finish.
        createAndGo(4) - Not supported.
        createAndWait(5) - Create a new row.
        destroy(6) - Delete an existing row."
    ::= { trunkTableEntry 21 }

trunkModifyType OBJECT-TYPE
    SYNTAX INTEGER {
        normal (1),
        dbOnly (4),
        dbOnlySetOutOfSync (5)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION "By default, writes are stored to the database and the
switch.
        Set this to dbOnly to send writes only to the database.
        dbOnlySetOutOfSync sends writes to the database and sets
        the Out of Sync flag in the database. This value is
re-set
        to normal after every transaction."
    DEFVAL {normal}
    ::= { trunkTableEntry 22 }

-- channel diagnostics

channelDiagTable OBJECT-TYPE

```

```

SYNTAX SEQUENCE OF ChannelDiagEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
    "The Channel Diagnostic table"
 ::= { channelDiag 1 }

channelDiagEntry OBJECT-TYPE
    SYNTAX ChannelDiagEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "An entry in the channelDiag Table"
    INDEX { switchIdIndex,
            slotIdIndex,
            pportIdIndex,
            ds1ChannelIdIndex }
    ::= { channelDiagTable 1 }

ChannelDiagEntry ::=
    SEQUENCE {
        INTEGER,
        channelDiagAction
            INTEGER,
        channelDiagTestType
            INTEGER,
        channelDiagNearEndLoopbackType
            INTEGER,
        channelDiagFarEndLoopbackType
            INTEGER,
        channelDiagBertPattern
            INTEGER,
        channelDiagBertUserBytes
            DisplayString,
        channelDiagNearEndLoopbackStatus
            INTEGER,
        channelDiagFarEndLoopbackStatus
            INTEGER,
        channelDiagBertStatus
            INTEGER,
        channelDiagBertErrorCount
            Integer32,
        channelDiagBertBitCount
            Integer32
    }

channelDiagAction OBJECT-TYPE
    SYNTAX INTEGER {
        inactive(1),
        startRequest(2),

```

```

        updateRequest(3),
        requestInProgress(4),
        clearRequest(5)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "set to startRequest when all the config OIDs have been
set and you
Once the
information,
        are ready to start the diagnostic request on the switch.
        request is finished and you would like to clear the
        set to clearRequest"
    ::= { channelDiagEntry 1 }

channelDiagTestType OBJECT-TYPE
    SYNTAX INTEGER {
        chanLpbkDs1NearEnd(3),
        chanLpbkDs1FarEnd(4),
        chanLpbkBert(5),
        chanLpbkInjectErr(6),
        chanLpbkClearErrCounter(7)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The type of diagnostic test to run."
    ::= { channelDiagEntry 2 }

channelDiagNearEndLoopbackType OBJECT-TYPE
    SYNTAX INTEGER {
        clearLoop(1),
        payloadLoop(2),
        lineLoop(3),
        diagLoop(4)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Type of loopback to configure on the channel"
    ::= { channelDiagEntry 3 }

channelDiagFarEndLoopbackType OBJECT-TYPE
    SYNTAX INTEGER {
        noCode(1),
        framedCSULineActivateLoop(2),
        framedCSULineReleaseLoop(3),

```

```

framedNNILineActivateLoop(4),
framedNNILineReleaseLoop(5),
fd1ESFAnsiLineActivateLoop(6),
fd1ESFAnsiLineReleaseLoop(7),
fd1ESFAnsiPayloadActivateLoop(8),
fd1ESFAnsiPayloadReleaseLoop(9),
unframedCSULineActivateLoop(10),
unframedCSULineReleaseLoop(11),
unframedNILineActivateLoop(12),
unframedNILineReleaseLoop(13),
oOBNILineActivateLoop(14),
oOBNILineReleaseLoop(15)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Far End Loopback Code type"
 ::= { channelDiagEntry 4 }

```

channelDiagBertPattern OBJECT-TYPE

```

SYNTAX INTEGER {
    allZeros      (1),
    allOnes       (2),
    oneZero       (3),
    oneOneZeroZero (4),
    oneOf8        (5),
    threeOf24     (6),
    qRSS          (7),
    user1Byte     (8),
    user2Byte     (9),
    user3Byte     (10)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Pattern generated by the XBERT"
 ::= { channelDiagEntry 5 }

```

channelDiagBertUserBytes OBJECT-TYPE

```

SYNTAX DisplayString
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "Definition of 1,2,3 or 4 byte pattern if UserNByte
selected."
 ::= { channelDiagEntry 6 }

```

channelDiagNearEndLoopbackStatus OBJECT-TYPE

```

SYNTAX INTEGER {
    noloop          (1),
    framedInbandLineLoop (2),
    fdlESFAnsiLineLoop (3),
    fdlESFAnsiPayloadLoop (4),
    dS3CbitLineLoop (5),
    nMSLineLoop (6),
    nMSPayloadLoop (7),
    nMSDiagLoop (8)
}
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Integer indicating the current loopback status of the near
    end of the DS1"
::= { channelDiagEntry 7 }

```

channelDiagFarEndLoopbackStatus OBJECT-TYPE

```

SYNTAX INTEGER {
    noCode(1),
    framedCSULineActivateLoop(2),
    framedCSULineReleaseLoop(3),
    framedNNILineActivateLoop(4),
    framedNNILineReleaseLoop(5),
    fd1ESFAnsiLineActivateLoop(6),
    fd1ESFAnsiLineReleaseLoop(7),
    fd1ESFAnsiPayloadActivateLoop(8),
    fd1ESFAnsiPayloadReleaseLoop(9),
    unframedCSULineActivateLoop(10),
    unframedCSULineReleaseLoop(11),
    unframedNILineActivateLoop(12),
    unframedNILineReleaseLoop(13),
    oOBNILineActivateLoop(14),
    oOBNILineReleaseLoop(15)
}
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Integer indicating the current loopback status of the far
    end of the DS1"
::= { channelDiagEntry 8 }

```

channelDiagBertStatus OBJECT-TYPE

```

SYNTAX INTEGER {
    unused (1),
    unavailable (2),
    outOfFrame (3),
    inFrame (4)
}

```

```

    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Current status of the BERT for this channel."
    ::= { channelDiagEntry 9 }

channelDiagBertBitCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of bits received - stops counting at
        0xFFFFFFFF"
    ::= { channelDiagEntry 10 }

channelDiagBertErrorCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of bits received in error- stops counting
        at 0xFFFFFFFF"
    ::= { channelDiagEntry 11 }

-- lport diagnostics

lportDiagTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LportDiagEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "The Lport Diagnostic table"
    ::= { lportDiag 1 }

lportDiagEntry OBJECT-TYPE
    SYNTAX LportDiagEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "An entry in the lportDiag Table"
    INDEX { switchIdIndex, lportIfIndex }
    ::= { lportDiagTable 1 }

LportDiagEntry ::=
    SEQUENCE {

                                lportDiagAction

        INTEGER,

```

```

        lportDiagTestType
        INTEGER,
lportDiagDs0AllocatedChannels
        Integer32,
        lportDiagDs0FarEndLoopbackType
        INTEGER,
lportDiagDs0FarEndBitStuffing
        INTEGER,
lportDiagDs0FarEndNumOfMidSpanRepeater
        Integer32,
lportDiagActivateDs0FarEndLpbk
        INTEGER,
        lportDiagBertPattern
        INTEGER,
lportDiagBertUserPatternBytes
        DisplayString,
        lportDiagLoopbackStatus
        INTEGER,
        lportDiagTestResult
        DisplayString,
        lportDiagFailReason
        DisplayString,
        lportDiagDs0FarEndTestPatternSyncStatus
        Integer32,
        lportDiagDs0FarEndTestBitErrorCount
        Integer32,
        lportDiagDs0FarEndTestErrorFreeSeconds
        Integer32,
        lportDiagDs0FarEndTestErroredSeconds
        Integer32,
        lportDiagBertStatus
        INTEGER,
        lportDiagBertBitCount
        Integer32,
        lportDiagBertErrCount
        Integer32,
        lportDiagBertPatternDetected
        DisplayString
    }

lportDiagAction OBJECT-TYPE
    SYNTAX INTEGER {
        inactive(1),
        startRequest(2),
        updateRequest(3),
        requestInProgress(4),
        clearRequest(5)
    }

```

```

MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "set to startRequest when all the config OIDs have been
set and you
    are ready to start the diagnostic request on the switch.
Once the
    request is finished and you would like to clear the
information,
    set to clearRequest"
::= { lportDiagEntry 1 }

lportDiagTestType OBJECT-TYPE
    SYNTAX INTEGER {
        internal(1),
                                external(2),
                                ds0NearEnd(3),
                                ds0FarEnd(4),
                                ds0Bert(5),
                                injectErr(6),
                                clearErrCounter(7)
    }
MAX-ACCESS read-write
STATUS current
DESCRIPTION
    "The type of diagnostic test to run."
::= { lportDiagEntry 2 }

lportDiagDs0AllocatedChannels OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The bit mask indicating the DS0s for the logical
port
        diagnostic test which must be a subset of the corresponding
lportFt1Ds0s."
::= { lportDiagEntry 3 }

lportDiagDs0FarEndLoopbackType OBJECT-TYPE
    SYNTAX INTEGER {
                                ocu(1),
                                dsu(2),
                                csu(3)
    }
MAX-ACCESS read-write
STATUS current
DESCRIPTION

```

"The type of DS0 equipment to be looped back at the far end during DS0 far end testing."

::= { lportDiagEntry 4 }

lportDiagDs0FarEndBitStuffing OBJECT-TYPE

SYNTAX INTEGER {
 off(1),
 on(2)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Bit stuffing on or off for 2047 bit pattern in DS0 far end testing."

::= { lportDiagEntry 5 }

lportDiagDs0FarEndNumOfMidSpanRepeater OBJECT-TYPE

SYNTAX Integer32 (0..3)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Number of Midspan repeaters in a link to be punched thru for DS0 far end testing."

::= { lportDiagEntry 6 }

lportDiagActivateDs0FarEndLpbk OBJECT-TYPE

SYNTAX INTEGER {

no(0),

yes(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"If there is just one DS0 configured for the lport, set to yes to

send a signal to the far end to go into loopback. If there is more than

one DS0 on the lport, this OID does not apply"

::= { lportDiagEntry 7 }

lportDiagBertPattern OBJECT-TYPE

SYNTAX INTEGER {

allZeros (1),

allOnes (2),

oneZero (3),

oneOneZeroZero (4),

oneOf8 (5),

threeOf24 (6),

```

        qRSS      (7),
        user1Byte  (8),
        user2Byte  (9),
        user3Byte  (10)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Pattern generated by the XBERT"
    ::= { lportDiagEntry 8 }

```

```

lportDiagBertUserPatternBytes OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Definition of 1,2,3 or 4 byte pattern if UserNByte
selected."
    ::= { lportDiagEntry 9 }

```

```

lportDiagLoopbackStatus OBJECT-TYPE
    SYNTAX INTEGER {
                                none(1),
                                ds0NearEnd(2),
                                ds0FarEnd(3),
                                notSupport(4)
                            }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "loopback status"
    ::= { lportDiagEntry 10 }

```

```

lportDiagTestResult OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Result of Internal or External test. Passed or Failed"
    ::= { lportDiagEntry 11 }

```

```

lportDiagFailReason OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "If Failed, reason why"
    ::= { lportDiagEntry 12 }

```

lportDiagDs0FarEndTestPatternSyncStatus OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
 "While DS0 far end testing, the DS0 pattern has detected the
 pattern four consecutive times. If the pattern is lost, this
variable
 will be equal to one."
 ::= { lportDiagEntry 13 }

lportDiagDs0FarEndTestBitErrorCount OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
 "Total number of errors in 2047 DS0 far end testing."
 ::= { lportDiagEntry 14 }

lportDiagDs0FarEndTestErrorFreeSeconds OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
 "Total number of error free seconds in 2047 DS0 far end
testing."
 ::= { lportDiagEntry 15 }

lportDiagDs0FarEndTestErroredSeconds OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
 "Total number of errored seconds in 2047 DS0 far end
testing."
 ::= { lportDiagEntry 16 }

lportDiagBertStatus OBJECT-TYPE
SYNTAX INTEGER {
 unused (1),
 unavailable (2),
 outOfFrame (3),
 inFrame (4)
}
MAX-ACCESS read-only
STATUS current

DESCRIPTION

"Current status of the BERT for this channel."

::= { lportDiagEntry 17 }

lportDiagBertBitCount OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The number of bits received - stops counting at 0xFFFFFFFF"

::= { lportDiagEntry 18 }

lportDiagBertErrCount OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The number of bits received in error- stops counting at 0xFFFFFFFF"

::= { lportDiagEntry 19 }

lportDiagBertPatternDetected OBJECT-TYPE

SYNTAX DisplayString

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"Pattern detected during diagnostic test"

::= { lportDiagEntry 20 }

-- the following is a collection of related object type definitions.
-- It is a logical grouping of object types. Every object type with a
-- value for the MAX-ACCESS clause other than "not-accessible" must
-- be a member of at least one object group.

cmdErrorGroup OBJECT-GROUP

OBJECTS {cmdErrorErrorCode, cmdErrorErrorMsg, cmdErrorErrorIndex,
cmdErrorErrorStatus, cmdErrorTimeStamp, cmdErrorErrorOid}

STATUS current

DESCRIPTION " A collection of objects providing information about a
a error condition."

::= { psGroups 1 }

psStatsGroup OBJECT-GROUP

OBJECTS {psStatsPid, psStatsSoftwareRev, psStatsTransactionsProcessed,
psStatsReqsOutstanding,

```

psStatsInternalLocks,psStatsExternalLocks }
STATUS current
DESCRIPTION "A collection of objects used to manage and monitor the
Provisioning Server process itself."
::= { psGroups 2}

lportIndexTranslationGroup OBJECT-GROUP
OBJECTS {vpiVciIndexTransIfIndex, vpiVciIndexTransRowStatus,
vpiVciIndexModifyType, lportIdIndexTransIfIndex,
lportIdIndexTransRowStatus, lportIdIndexModifyType,
vpiVciChannelIndexIfIndex, vpiVciChannelIndexRowStatus,
vpiVciChannelIndexModifyType, lportIdChannelIndexIfIndex,
lportIdChannelIndexRowStatus, lportIdChannelIndexModifyType,
dlciIndexIfIndex, dlciIndexRowStatus, dlciIndexModifyType,
dlciChannelIndexIfIndex, dlciChannelIndexRowStatus,
dlciChannelIndexModifyType, vpiStartIndexTransIfIndex,
vpiStartIndexTransRowStatus, vpiStartIndexModifyType}
STATUS current
DESCRIPTION "A collection of object used to retrieve the lport ifNumber"
::= { psGroups 3 }

networkGroup OBJECT-GROUP
OBJECTS {networkNetId}
STATUS current
DESCRIPTION " contains information associated with the managed
sub-network"
::= { psGroups 4 }

serviceNameGroup OBJECT-GROUP
OBJECTS {networkServiceNameName, networkServiceNameId,
networkServiceNameActiveBinding,
networkServiceNamePrimaryLPort, networkServiceNameBackupLPort,
networkServiceNameNotes, networkServiceNameRowStatus,
networkServiceNameModifyType}
STATUS current
DESCRIPTION "A collection of objects associated with service names."
::= { psGroups 5 }

vpnGroup OBJECT-GROUP
OBJECTS {vpnNumber, vpnComments, vpnRowStatus, vpnModifyType}
STATUS current
DESCRIPTION "A collection of objects containing instances of Virtual
Private Networks"
::= { psGroups 6 }

customerGroup OBJECT-GROUP
OBJECTS {customerId, customerContactInfo,customerPhoneNumber,
customerComments, customerVpnName, customerRowStatus,

```

```

        customerModifyType}
STATUS current
DESCRIPTION "A collection of objects containing instances of Virtual
        Private Networks"
::= { psGroups 7 }

channelGroup OBJECT-GROUP
    OBJECTS {ds1ChannelChannelType,
ds1ChannelLinkFraming,ds1ChannelZeroCoding,
        ds1ChannelClockSource, ds1ChannelExtClockBackup,
        ds1ChannelDs1LoopbackCodeType, ds1ChannelAdminStatus,
        ds1ChannelAllocatedDs0ChannelCount,
        ds1ChannelAllocatedDs0Channels,
        ds1ChannelDs0ChannelsInUse, ds1ChannelRowStatus,
        ds1ChannelModifyType, ds1ChannelAlarmFailure,
ds1ChannelAlarmClearTime}
STATUS current
DESCRIPTION "A collection of objects associated with ds1 channels"
::= { psGroups 8 }

lportAdminGroup OBJECT-GROUP
    OBJECTS {lportAdminIfIndex, lportAdminLportName,
lportAdminServiceType,
        lportAdminVpnName, lportAdminCustomerName,
        lportAdminLoopBackStatus, lportAdminCDV,
lportAdminNetOverflow,
        lportAdminIsTemplate, lportAdminCanBackupServiceNames,
        lportAdminClosedLoop, lportAdminMildThreshold,
        lportAdminCheckInterval, lportAdminClearDelay,
        lportAdminBandwidth, lportAdminCongestionThreshold,
        lportAdminErrorPerMinThreshold, lportAdminBitStuffing,
        lportAdminAdminStatus,lportAdminCrcChecking,
lportAdminBilling,
        lportAdminFractionalDs0s, lportAdminRowStatus,
        lportAdminModifyType, lportAdminTrafficShaperId,
        lportAdminTSPriority, lportAdminTSSustCellRate,
        lportAdminTSPeakCellRate, lportAdminTSBurstTolerance,
        lportAdminSlotId,lportAdminPPortId,
        lportAdminSmdsPduViolThresh, lportAdminSmdsPduViolTcaFlag,
        lportAdminFrBadPvcFactor, lportAdminFrAmberPm,
        lportAdminFrAmberPs, lportAdminFrSevereThreshold,
        lportAdminFrAbsThreshold ,
        lportShaperType, lportVpShapingRate, lportVpShaping,
        lportAdminServiceClassSupported, lportAdminXmitSchedMode ,
        lportAdminPacketSegmentation, lportAdminAllowVfrRtNegative }
STATUS current
DESCRIPTION " A collection of lport objects that are common between
        the Frame relay, atm and smds lports"

```

::= { psGroups 9 }

lportFrGroup OBJECT-GROUP

OBJECTS {lportFrFrameRelayType, lportFrDLCl,lportFrLastInvalidDLCl,
lportFrLinkMgmtProtocol, lportFrDcePollVerifTimer,
lportFrDceErrorThreshold,lportFrDceEventCount,
lportFrDteErrorThreshold, lportFrDteEventCount,
lportFrDtePollTimer, lportFrDteFullPollCounter,
lportFrOtherType,lportFrLmiUpdateDelay,
lportFrCirBeRoutingFactors1, lportFrCirBeRoutingFactors2,
lportFrQ922Signal, lportFrCallAdmissCtrl,
lportFrRowStatus,lportFrModifyType,lportFrCllmAdminState,
lportFrCllmInterval,lportFrCllmThresholdNone,
lportFrCllmThresholdMild, lportFrMLFRBundleLPortName,
lportFrIsCirOversubEnabled, lportFrCirOversub,
lportFrCirPolicingEnabled }

STATUS current

DESCRIPTION " A collection of frame-relay specific lport objects"

::= {psGroups 10}

lportAtmGroup OBJECT-GROUP

OBJECTS {lportAtmAtmType, lportAtmAtmPcqIndex,
lportAtmAtmBurstTolerance,
lportAtmAtmSustainCellRate, lportAtmAtmProtocolType,
lportAtmAtmUniType, lportAtmAtmConnType,
lportAtmAtmValidVpiBits, lportAtmAtmValidVciBits,
lportAtmOamCircuitAlarms, lportAtmOamAlarmTimerThreshold,
lportAtmAtmCallAdmControl, lportAtmUpcFunction,
lportAtmCtrlUpcFunction, lportAtmNpcFunction,
lportAtmCellHeadFormat, lportAtmConnectionClass,
lportAtmPvcRangeVpiStart, lportAtmPvcRangeVpiStop,
lportAtmVpiToVpciOffSet, lportAtmPvPVpiMin,
lportAtmPvpVpiMax,
lportAtmPvcVpiMin, lportAtmPvcVpiMax, lportAtmPvcVciMin,
lportAtmPvcVciMax, lportAtmSvcVpiMin,
lportAtmSvcVpiMax, lportAtmSvcVciMin, lportAtmSvcVciMax,
lportAtmAtmPeakCellRate, lportAtmRowStatus,
lportAtmEgressDeClpBitMap, lportAtmIngressClpDeBitMap,
lportAtmEgressFecnEfciBitMap, lportAtmIngressEfciFecnBitMap,
lportAtmModifyType, lportAtmTrunkFwdTD, lportAtmTrunkRevTD,
lportAtmNodeFwdTD,
lportAtmNodeRevTD, lportAtmVpiToVpciMappingType,
lportAtmProxySigAdminStatus,
lportAtmProxySigAgent, lportAtmSvpVpiMax,
lportAtmSvpVpiMin,lportAtmCtrlNpcFunction,
lportAtmStaticDelay}

STATUS current

DESCRIPTION "A collection of atm specific lport objects"

::= {psGroups 11}

lportAtmNtmGroup OBJECT-GROUP

OBJECTS {lportAtmNtmCt0, lportAtmNtmCt1, lportAtmNtmCt2,
lportAtmNtmCt3,

lportAtmNtmNotificationTime, lportAtmNtmRowStatus,
lportAtmNtmModifyType}

STATUS current

DESCRIPTION " A collection of NTM specific, atm lport objects."

::= {psGroups 12}

lportAtmBillingGroup OBJECT-GROUP

OBJECTS {lportAtmBillingSvcAccounting, lportAtmBillingPvcParamRec,
lportAtmBillingAddrSameAsUni, lportAtmBillingCarrierId,
lportAtmBillingGenPtPt, lportAtmBillingGenPtMultiPt,
lportAtmBillingGenUnsuccess, lportAtmBillingIntraAbr,
lportAtmBillingIntraUbr, lportAtmBillingIntraVbr,
lportAtmBillingIntraCbr, lportAtmBillingSvcSubAddr,
lportAtmBillingRowStatus, lportAtmBillingModifyType,
lportAtmBillingDefaultUniAddrFormat,
lportAtmBillingDefaultUniAddrAsc,
lportAtmBillingDefaultUniAddrHex,
lportAtmBillingDefaultUniAddrAfi,
lportAtmBillingDefaultUniAddrPrefix,
lportAtmBillingPVCRecInterfaceId}

STATUS current

DESCRIPTION " A collection of Billing specific, atm lport objects."

::= {psGroups 13}

svcAtmConfigGroup OBJECT-GROUP

OBJECTS {svcAtmConfigSigAdminStatus, svcAtmConfigQ93bMaxRestart,
svcAtmConfigQ93bMaxStatEnq, svcAtmConfigQ93bT303,
svcAtmConfigQ93bT308,svcAtmConfigQ93bT309,
svcAtmConfigQ93bT310, svcAtmConfigQ93bT313,
svcAtmConfigQ93bT316, svcAtmConfigQ93bT322,
svcAtmConfigQ93bT398, svcAtmConfigQ93bT399,
svcAtmConfigQSaalMaxCC, svcAtmConfigQSaalMaxPD,
svcAtmConfigQSaalMaxStat, svcAtmConfigQSaalTPoll,
svcAtmConfigQSaalTKeepalive,
svcAtmConfigQSaalTNoResponse, svcAtmConfigQSaalTCC,
svcAtmConfigQSaalTIdle, svcAtmConfigRowStatus,
svcAtmConfigModifyType,svcAtmConfigSigFwdTD,
svcAtmConfigSigRevTD, svcAtmConfigQ93bT301,
svcAtmConfigQ93bT397, svcAtmConfigQSaalHoldoffTime,
svcAtmConfigQSaalWindowSize}

STATUS current

DESCRIPTION "A collection of SVC Config specific, atm lport objects."
::= {psGroups 14}

lportSmndsGroup OBJECT-GROUP

OBJECTS {lportSmndsSmndsType, lportSmndsSupportHeartBeatPoll,
lportSmndsHeartBeatPollInterval,
lportSmndsHeartBeatPollINaThreshold,
lportSmndsProtocolErrorChecking, lportSmndsSmndsPduViolTcaFlag,
lportSmndsSmndsPduViolThresh, lportSmndsSsiLportIpAddress,
lportSmndsSsiLportIfIndex, lportSmndsPduViolThresh,
lportSmndsRowStatus, lportSmndsModifyType}

STATUS current

DESCRIPTION "A collection of smnds specific lport objects"
::= {psGroups 15}

lportSvcSecurityScreenGroup OBJECT-GROUP

OBJECTS {lportSvcSecurityScreenActionIngressScreenMode,
lportSvcSecurityScreenActionEgressScreenMode,
lportSvcSecurityScreenActionDefaultIngressScreenType,
lportSvcSecurityScreenActionDefaultEgressScreenType,
lportSvcSecurityScreenActionRowStatus,
lportSvcSecurityScreenActionModifyType,
lportSvcSecurityScreenAdminStatus,
lportSvcSecurityScreenRowStatus,
lportSvcSecurityScreenModifyType}

STATUS current

DESCRIPTION "A collection of SVC security screen objects."
::= {psGroups 16}

switchGroup OBJECT-GROUP

OBJECTS {switchName, switchType, switchLocation, switchPhoneNumber,
switchContact, switchRerouteDelay, switchRerouteCount,
switchTelnetSessionState, switchConsoleIdleTimeout,
switchSendHostRoutes, switchEthernetIpMask,
switchEthernetIpAddress, switchRipState,
switchLoadBalancingAlgorithm,
switchRowStatus, switchModifyType, switchSwRev}

STATUS current

DESCRIPTION "A collection of switch related object."
::= {psGroups 17}

switchAtmBillingGroup OBJECT-GROUP

OBJECTS {switchAtmBillingServerPrimaryIp,
switchAtmBillingServerSecondaryIp,
switchAtmBillingServerControl,
switchAtmBillingAcctControl, switchAtmBillingAbrRecording,

```

        switchAtmBillingCbrRecording, switchAtmBillingUbrRecording,
        switchAtmBillingVbrRecording,
switchAtmBillingCbrCellCounting,
        switchAtmBillingOamCellCounting,
        switchAtmBillingRecordingUpdtInterval,
        switchAtmBillingPvcRecordingPeriod,
switchAtmBillingRowStatus,
        switchAtmBillingModifyType}
    STATUS current
    DESCRIPTION " A collection of switch billing objects in the case of
        CBC-500 switch."
    ::= { psGroups 18 }

networkCACGroup OBJECT-GROUP
    OBJECTS{ networkCACType, networkCACVbrRealTime,
networkCACVbrNonRealTime,
        networkCACCbrCdv, networkCACCbrAlpha, networkCACVbrRTCdv,
        networkCACVbrRTAlpha, networkCACPortScaleFactorOC3,
        networkCACPortScaleFactorDS3, networkCACPortScaleFactorE3,
        networkCACPortScaleFactorT1, networkCACPortScaleFactorOC12,
        networkCACUpperLimit1, networkCACScaleFactor1,
networkCACMaxMbs1,
        networkCACUpperLimit2, networkCACScaleFactor2,
networkCACMaxMbs2,
        networkCACUpperLimit3, networkCACScaleFactor3,
        networkCACMaxMbs3, networkCACUpperLimit4,
networkCACScaleFactor4,
        networkCACMaxMbs4, networkCACUpperLimit5,
networkCACScaleFactor5,
        networkCACMaxMbs5, networkCACUpperLimit6,
networkCACScaleFactor6,
        networkCACMaxMbs6, networkCACUpperLimit7,
networkCACScaleFactor7,        networkCACMaxMbs7,
networkCACUpperLimit8, networkCACScaleFactor8,
        networkCACMaxMbs8, networkCACUpperLimit9,
networkCACScaleFactor9,
        networkCACMaxMbs9, networkCACUpperLimit10,
networkCACMaxMbs10,
        networkCACRowStatus, networkCACModifyType,
        networkCACScaleFactor10}
    STATUS current
    DESCRIPTION "A collection of network CAC objects."
    ::= { psGroups 19 }

networkCUGMemberRuleGroup OBJECT-GROUP
    OBJECTS {networkCUGMemberRuleName, networkCUGMemberRuleValue,
        networkCUGMemberRuleMemberType,

```

```

        networkCUGMemberRuleIncomingAccess,
        networkCUGMemberRuleOutgoingAccess,
networkCUGMemberRuleRowStatus,
        networkCUGMemberRuleModifyType,
networkCUGMemberIncomingCallBar,
        networkCUGMemberOutgoingCallBar,
        networkCUGMemberRowStatus, networkCUGMemberModifyType,
        networkCUGRowStatus, networkCUGModifyType}
STATUS current
DESCRIPTION "A collection of close user group member (CUG) objects."
::= { psGroups 20 }

```

```

networkSvcSecurityScreenGroup OBJECT-GROUP
    OBJECTS {networkSvcSecurityScreenId,
networkSvcSecurityScreenCallDirection,
        networkSvcSecurityScreenScreenType,
        networkSvcSecurityScreenCallingAddressType,
        networkSvcSecurityScreenCallingAddressAddress,
        networkSvcSecurityScreenCallingSubAddressType,
        networkSvcSecurityScreenCallingSubAddressAddress,
        networkSvcSecurityScreenCalledAddressType,
        networkSvcSecurityScreenCalledAddressAddress,
        networkSvcSecurityScreenCalledSubAddressType,
        networkSvcSecurityScreenCalledSubAddressAddress,
        networkSvcSecurityScreenRowStatus,
        networkSvcSecurityScreenModifyType}
STATUS current
DESCRIPTION " A collection of SVC security screen objects."
::= { psGroups 21 }

```

```

cardGroup OBJECT-GROUP
    OBJECTS {cardDefinedType, cardUioDefinedXface, cardE1DefinedXface,
        cardDsx1DefinedXface, cardRedundSlotId, cardAdminStatus,
        cardCapability, cardExtClockSource, cardAtmOc3Interface,
        cardRowStatus, cardModifyType, cardAtmFcp,
cardCrmProtocolId,
        cardBcmProtocolId, cardRmXmitInterval, cardIdleVcFactor,
        cardMultiDiscardThresh, cardIcrConst, cardMngVBRnrtTraffic,
        cardStatsCapPeakClk, cardStatsCapTotalClk,
cardStatsOperPeakClk,
        cardStatsOperTotalClk, cardStatsClkPeriod,
cardPrimSysClockPort,
        cardSecSysClockPort, cardTpzOc3DefinedXface,
cardOc12DefinedXface,
        cardVpCLP0CbrThresh, cardVpCLP01CbrThresh,
cardVpCLP0VbrRtThresh,
        cardVpCLP01VbrRtThresh, cardVpCLP0VbrNrtThresh,
cardVpCLP01VbrNrtThresh,

```

```
cardVpCLP0UABrThresh, cardVpCLP01UABrThresh}
STATUS current
DESCRIPTION " A collection of card objects."
::= { psGroups 22 }
```

pportGroup OBJECT-GROUP

```
OBJECTS {pportDefinedType, pportXmitClockSource, pportBandwidth,
pportAdminStatus, pportZeroEncoding, pportExtClockBackup,
pportConnType, pportLineType, pportDs1LineLength,
pportDsx1LineLength, pportDS1LineBuildOut,
pportLoopbackStatus,
pportAllocatedChannelCount, pportAllocatedChannels,
pportChannelsInUse, pportDs3LineBuildOut,
pportChDs3LineBuildOut,
pportCellPayloadScramble, pportAtmCbitParity,
pportAtmMaxBufferSize, pportDs3PlcpOptions,
pportAtmReceivedFeacStatus,
pportAtmEfciMarking, pportAtmPeakCellRates0,
pportAtmPeakCellRates1, pportAtmPeakCellRates2,
pportAtmPeakCellRates3, pportAtmPeakCellRates4,
pportAtmPeakCellRates5, pportAtmPeakCellRates6,
pportAtmPeakCellRates7, pportOpticalXmit,
pportAtmBIPErrorThreshold, pportAtmVPILength,
pportAtmCircuitType, pportApplicationMode,
pportHecErrorCorrection, pportRowStatus, pportModifyType,
pportXmitMode, pportAlarmFailure, pportAlarmClear,
pportChDs3ChannelsInUse, pportT1LineCode, pportE1LineCode,
pportInBandLineLoopBackCode, pportT1LineBuildOut,
pportT1CircuitType, pportMIBInterfaceNumber, pportRedundancy,
pportAtmTSPacingMode, pportEffectiveBandwidth,
pportMinNumT1s,
pportMinNumE1s, pportIdleCellType, pportDS3FeacLoopback,
pportT1FeacLoopback, pportProtectionSlotId,
pportProtectionPortId}
STATUS current
DESCRIPTION " A collection of pport objects."
::= { psGroups 23 }
```

pportTrafficShaperGroup OBJECT-GROUP

```
OBJECTS {pportTsCsPriority, pportTsCsSustainableCellRate,
pportTsCsPeakCellRate, pportTsCsMaxBurstSize,
pportTsIwuPriority,
pportTsIwuSustainableCellRate, pportTsIwuPeakCellRate,
pportTsIwuMaxBurstSize, pportTrafficShaperRowStatus,
pportTrafficShaperModifyType, pportTrafficShaperType}
STATUS current
DESCRIPTION "A collection of pport traffic shaper object."
```

::= { psGroups 24 }

pportApsGroup OBJECT-GROUP

OBJECTS {pportApsAdminDir, pportApsLineType, pportApsRevertiveMode,
pportApsPairedSlotId, pportApsPairedPportId,
pportApsSfBerThresh, pportApsSdBerThresh, pportApsWtrPeriod,
pportApsXCommand, pportApsRowStatus,
pportApsModifyType} STATUS current

DESCRIPTION "A collection of pport APS objects."

::= { psGroups 25 }

interworkingCircuitEndpointGroup OBJECT-GROUP

OBJECTS {interworkingCircuitEndpointCircuitNumber,
interworkingCircuitEndpointTrafficDescrParam1,
interworkingCircuitEndpointTrafficDescrParam2,
interworkingCircuitEndpointTrafficDescrParam3,
interworkingCircuitEndpointTrafficDescrParam4,
interworkingCircuitEndpointTrafficDescrParam5,
interworkingCircuitEndpointTrafficDescrType,
interworkingCircuitEndpointScr,
interworkingCircuitEndpointMbs,

interworkingCircuitEndpointPcr,

interworkingCircuitEndpointQosClass,
interworkingCircuitEndpointFcpDiscard,
interworkingCircuitEndpointGracefulDiscard,
interworkingCircuitEndpointRedFramePercent,
interworkingCircuitEndpointShaperId,
interworkingCircuitEndpointRateEnfScheme,
interworkingCircuitEndpointCircuitPriority,
interworkingCircuitEndpointRowStatus,
interworkingCircuitEndpointModifyType,
interworkingCircuitEndpointDeltaBc,
interworkingCircuitEndpointDeltaBe,
interworkingCircuitEndpointZeroCIREnabled,
interworkingCircuitEndpointSlotId,
interworkingCircuitEndpointPPortId,
interworkingCircuitEndpointNumRetries}

STATUS current

DESCRIPTION " A collection of interworking circuit endpoint objects."

::= { psGroups 26 }

atmCircuitEndpointGroup OBJECT-GROUP

OBJECTS {atmCircuitEndpointCircuitNumber,
atmCircuitEndpointTrafficDescrParam1,
atmCircuitEndpointTrafficDescrParam2,
atmCircuitEndpointTrafficDescrParam3,
atmCircuitEndpointTrafficDescrParam4,

```

        atmCircuitEndpointTrafficDescrParam5,
        atmCircuitEndpointTrafficDescrType,
atmCircuitEndpointQosClass,
        atmCircuitEndpointFcpDiscard,
atmCircuitEndpointGracefulDiscard,
        atmCircuitEndpointCircuitPriority,
        atmCircuitEndpointRateEnfScheme,
        atmCircuitEndpointModifyType, atmCircuitEndpointRowStatus,
        atmCircuitEndpointDeltaBc, atmCircuitEndpointDeltaBe,
        atmCircuitEndpointRedFramePercent, atmCircuitEndpointSlotId,
        atmCircuitEndpointPPortId, atmCircuitEndpointNumRetries,
        atmCircuitEndpointFrameDiscard, atmCircuitEndpointShaperId ,
        atmCircuitEndpointTrafficMgmtCdvStatus,
        atmCircuitEndpointTrafficMgmtCdv,
        atmCircuitEndpointTrafficMgmtClrStatus,
        atmCircuitEndpointTrafficMgmtClr
    }
    STATUS current
    DESCRIPTION "A collection of atm circuit endpoint objects."
    ::= { psGroups 27 }

frCircuitEndpointGroup OBJECT-GROUP
    OBJECTS {frCircuitEndpointCircuitNumber, frCircuitEndpointCir,
        frCircuitEndpointBc, frCircuitEndpointDeltaBc,
        frCircuitEndpointBe, frCircuitEndpointDeltaBe,
        frCircuitEndpointGracefulDiscard,
frCircuitEndpointRateEnfScheme,
        frCircuitEndpointRedFramePercent,
frCircuitEndpointZeroCIEnabled,
        frCircuitEndpointCircuitPriority, frCircuitEndpointQosClass,
        frCircuitEndpointRowStatus,
        frCircuitEndpointModifyType, frCircuitEndpointSlotId,
        frCircuitEndpointPPortId, frCircuitEndpointNumRetries,
        frCircuitEndpointFcpDiscard, frCircuitEndpointLoopback}
    STATUS current
    DESCRIPTION "A collection of frame-relay endpoint objects."
    ::= { psGroups 28 }

circuitCrossConnectGroup OBJECT-GROUP
    OBJECTS {circuitCrossConnectSwitchId1, circuitCrossConnectIfIndex1,
        circuitCrossConnectDLCI1, circuitCrossConnectVPI1,
        circuitCrossConnectVCI1, circuitCrossConnectSwitchId2,
        circuitCrossConnectIfIndex2, circuitCrossConnectDLCI2,
        circuitCrossConnectVPI2, circuitCrossConnectVCI2,
        circuitCrossConnectCircuitName,
circuitCrossConnectSegmentSize,
        circuitCrossConnectTranslationType,
        circuitCrossConnectAdminStatus,

```

```

        circuitCrossConnectBandwidthPriority,
        circuitCrossConnectBumpingPriority,
        circuitCrossConnectUpcFunction,
circuitCrossConnectCDVTolerance,
        circuitCrossConnectOAMAlarmsEnabled,
        circuitCrossConnectCellLossPriority,
        circuitCrossConnectDiscardEligibility,
circuitCrossConnectVpnName,
        circuitCrossConnectCustomerName,
        circuitCrossConnectPrivateNetOverflow,
        circuitCrossConnectRerouteBalancing,
        circuitCrossConnectCircuitType,
        circuitCrossConnectRowStatus,
        circuitCrossConnectModifyType, circuitCrossConnectEndpoint1,
        circuitCrossConnectEndpoint2, circuitCrossConnectNetworkId1,
        circuitCrossConnectServiceName1,
        circuitCrossConnectNetworkId2,
circuitCrossConnectServiceName2,
        circuitCrossConnectNumRetries,
        circuitCrossConnectAdminCostThreshold,
        circuitCrossConnectTrafficMgmtCtdStatus,
        circuitCrossConnectTrafficMgmtCtd,
        circuitCrossConnectAlias,
        circuitCrossConnectFrToAtmEFCI,
        circuitCrossConnectIsMgmtCkt
    }

```

STATUS current

DESCRIPTION " A collection objects which apply to atm, fr and
interworking circuits."

::= { psGroups 29 }

circuitRootGroup OBJECT-GROUP

```

OBJECTS {circuitPmpRootSlotId, circuitPmpRootPportId,
        circuitPmpRootLportId, circuitPmpRootRootName,
        circuitPmpRootTrafficDescrParam1,
        circuitPmpRootTrafficDescrParam2,
        circuitPmpRootTrafficDescrParam3,
        circuitPmpRootQosClass, circuitPmpRootRerouteBalancing,
        circuitPmpRootPriority, circuitPmpRootCdvTolerance,
        circuitPmpRootCircuitType, circuitPmpRootRowStatus,
        circuitPmpRootModifyType, circuitPmpRootAcctChrgPartyId,
        circuitPmpRootAcctUsageMeasure, circuitPmpRootAcctPvcControl,
        circuitPmpRootPrivateNetOverflow,
        circuitPmpRootTrafficDescrType, circuitPmpRootNdcEnable,
        circuitPmpRootTotalPVCsEnabledOnCard,
        circuitPmpRootLimitOfPVCsEnabledOnCard,
        circuitPmpRootClp0CellThresh1, circuitPmpRootClp1CellThresh1}

```

STATUS current
DESCRIPTION "A collection of Circuit root objects."
::= { psGroups 30 }

circuitLeafGroup OBJECT-GROUP
OBJECTS {circuitPmpLeafAdminStatus, circuitPmpLeafAcctChrgPartyId,
circuitPmpLeafAcctUsageMeasure,
circuitPmpLeafAcctPvcControl, circuitPmpLeafRowStatus,
circuitPmpLeafModifyType }
STATUS current
DESCRIPTION " A collection of Circuit leaf objects."
::= { psGroups 31 }

cbxAtmCircuitBillingGroup OBJECT-GROUP
OBJECTS {atmCircuitBillingCircuitName,
atmCircuitBillingAcctChrgPartyId1,
atmCircuitBillingAcctUsageMeasure1,
atmCircuitBillingAcctPvcControl1,
atmCircuitBillingAcctChrgPartyId2,
atmCircuitBillingAcctUsageMeasure2,
atmCircuitBillingAcctPvcControl2,
atmCircuitBillingRowStatus, atmCircuitBillingModifyType,
atmCircuitBillingNumRetries}
STATUS current
DESCRIPTION "A collection of circuit billing objects on the CBX-500"
::= { psGroups 32 }

cbxAtmCircuitNdcGroup OBJECT-GROUP
OBJECTS {atmCircuitNdcCircuitName, atmCircuitNdcEnable1,
atmCircuitNdcTotalPVCsEnabledOnCard1,
atmCircuitNdcLimitOfPVCsEnabledOnCard1,
atmCircuitNdcClp0CellThresh1,
atmCircuitNdcClp1CellThresh1, atmCircuitNdcEnable2,
atmCircuitNdcTotalPVCsEnabledOnCard2,
atmCircuitNdcLimitOfPVCsEnabledOnCard2,
atmCircuitNdcClp0CellThresh2,
atmCircuitNdcClp1CellThresh2, atmCircuitNdcRowStatus,
atmCircuitNdcModifyType, atmCircuitNdcNumRetries}
STATUS current
DESCRIPTION " A collection of circuit NDC objects on the CBX-500. "
::= { psGroups 33 }

circuitSpvcGroup OBJECT-GROUP
OBJECTS {circuitSpvcSlotId, circuitSpvcPportId, circuitSpvcLportId,
circuitSpvcName, circuitSpvcTerminatingEndpointAddress,
circuitSpvcAdminStatus, circuitSpvcCircuitType,

```

        circuitSpvcTargetSelectType, circuitSpvcRetryInterval,
        circuitSpvcRetryLimit,
        circuitSpvcForwardTrafficDescriptor,
        circuitSpvcReverseTrafficDescriptor,
        circuitSpvcRowStatus, circuitSpvcModifyType,
        circuitSpvcTargetVpi,circuitSpvcTargetVci }
STATUS current
DESCRIPTION "A Collection of Soft PVC circuit objects."
::= { psGroups 34 }

circuitSpvcPmpRootGroup OBJECT-GROUP
OBJECTS {circuitSpvcPmpRootSlotId, circuitSpvcPmpRootPportId,
        circuitSpvcPmpRootLportId,
        circuitSpvcPmpRootName,
        circuitSpvcPmpRootTerminatingEndpointAddress,
        circuitSpvcPmpRootAdminStatus, circuitSpvcPmpRootCircuitType,
        circuitSpvcPmpRootTargetSelectType,
        circuitSpvcPmpRootRetryInterval,
        circuitSpvcPmpRootRetryLimit,
        circuitSpvcPmpRootForwardTrafficDescriptor,
        circuitSpvcPmpRootReverseTrafficDescriptor,
        circuitSpvcPmpRootRowStatus,
        circuitSpvcPmpRootModifyType,
        circuitSpvcPmpRootNextAvailableLeafNo,
        circuitSpvcPmpRootTargetVpi,circuitSpvcPmpRootTargetVci }
STATUS current
DESCRIPTION " A collection of objects associated with Soft PVC Point
        to MultiPoint circuit Root entries."
::= { psGroups 35 }

circuitSpvcPmpLeafGroup OBJECT-GROUP
OBJECTS {circuitSpvcPmpLeafSlotId, circuitSpvcPmpLeafPportId,
        circuitSpvcPmpLeafLportId,
        circuitSpvcPmpLeafTerminatingEndpointAddress,
        circuitSpvcPmpLeafAdminStatus,
        circuitSpvcPmpLeafTargetSelectType,
        circuitSpvcPmpLeafRetryInterval,
        circuitSpvcPmpLeafRetryLimit,
        circuitSpvcPmpLeafRowStatus, circuitSpvcPmpLeafModifyType,
        circuitSpvcPmpLeafTargetVpi,circuitSpvcPmpLeafTargetVci }
STATUS current
DESCRIPTION " A collection of Soft PVC Point to MultiPoint circuit
        Leaf entry objects."
::= { psGroups 36 }

pmThresholdGroup OBJECT-GROUP
OBJECTS { ds1pmThreshCrossingEnable, ds1pmThreshESLCurrent,
        ds1pmThreshESLDay, ds1pmThreshCVPCurrent,

```

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ds1pmThreshCVPDay, ds1pmThreshESPCurrent,
ds1pmThreshSESPCurrent, ds1pmThreshSESPDay,
ds1pmThreshSASPCurrent, ds1pmThreshSASPDaY,
ds1pmThreshCSSPCurrent, ds1pmThreshCSSPDaY,
ds1pmThreshUASPCurrent, ds1pmThreshUASPDaY,
ds1pmThreshRowStatus, ds1pmThreshModifyType,
ds3pmThreshCrossingEnable, ds3pmThreshCVLCurrent,
ds3pmThreshCVLDay, ds3pmThreshESLCurrent,
ds3pmThreshESLDay, ds3pmThreshSESLCurrent,
ds3pmThreshSESLDay,
ds3pmThreshCVPCurrent, ds3pmThreshCVPDay,
ds3pmThreshESPCurrent,
ds3pmThreshESPDaY, ds3pmThreshSESPCurrent,
ds3pmThreshSESPDay, ds3pmThreshSASPCurrent,
ds3pmThreshSASPDaY,
ds3pmThreshUASPCurrent,
ds3pmThreshUASPDaY, ds3pmThreshCVCPPCurrent,
ds3pmThreshCVCPPDay, ds3pmThreshESCPPCurrent,
ds3pmThreshESCPPDay, ds3pmThreshSESCPPCurrent,
ds3pmThreshSESCPPDay, ds3pmThreshSASCPPCurrent,
ds3pmThreshSASCPPDay, ds3pmThreshUASCPPCurrent,
ds3pmThreshUASCPPDay, ds3pmThreshESXCurrent,
ds3pmThreshESXDay, ds3pmThreshRowStatus,
ds3pmThreshModifyType,
sonetpmThresholdCrossingEnable,
sonetpmSESThresholdSet, sonetpmThreshCVSCurrent,
sonetpmThreshCVSDay, sonetpmThreshESSCurrent,
sonetpmThreshESSDay, sonetpmThreshSESSCurrent,
sonetpmThreshSESSDay, sonetpmThreshCVLCurrent,
sonetpmThreshCVLDay, sonetpmThreshESLCurrent,
sonetpmThreshESLDay, sonetpmThreshSESLCurrent,
sonetpmThreshSESLDay, sonetpmThreshUASLCurrent,
sonetpmThreshUASLDay, sonetpmThreshCVPCurrent,
sonetpmThreshCVPDay, sonetpmThreshESPCurrent,
sonetpmThreshESPDaY, sonetpmThreshSESPCurrent,
sonetpmThreshSESPDay, sonetpmThreshUASPCurrent,
sonetpmThreshUASPDaY, sonetpmThreshRowStatus,
sonetpmThreshModifyType, ds1pmThreshESPDaY,
ds1chanpmThreshRowStatus, ds1chanpmThreshModifyType,
ds1chanpmThreshCrossingEnable,
ds1chanpmThreshESLCurrent, ds1chanpmThreshESLDay,
ds1chanpmThreshCVPCurrent, ds1chanpmThreshCVPDay,
ds1chanpmThreshESPCurrent, ds1chanpmThreshESPDaY,
ds1chanpmThreshSESPCurrent, ds1chanpmThreshSESPDay,
ds1chanpmThreshSASPCurrent, ds1chanpmThreshSASPDaY,
ds1chanpmThreshCSSPCurrent, ds1chanpmThreshCSSPDaY,
ds1chanpmThreshUASPCurrent, ds1chanpmThreshUASPDaY }
STATUS current

```

DESCRIPTION " A collection performance threshold objects."
 ::= { psGroups 37 }

--SVCEnhancements_1

svcAddressGroup OBJECT-GROUP

OBJECTS { svcNodePrefixPrefix, svcNodePrefixType, svcNodePrefixNumBits,
svcNodePrefixSourceAddrValidation,
svcNodePrefixRouteDetermination,
svcNodePrefixAddrRegistration,
svcNodePrefixRowStatus, svcNodePrefixModifyType,
svcNodePrefixOrgScope, svcNodePrefixInternalMgmt,
svcNodePrefixOSPFAreaSummary, svcNodePrefixOSPFAreaID,
svcNodePrefixPnniExternalBit, svcNodePrefixVnnExternalBit,
svcNodePrefixAdminCost,
svcPortPrefixPrefix,svcPortPrefixType,
svcPortPrefixNumBits, svcPortPrefixAdminCost,
svcPortPrefixLocalGatewayAddress,
svcPortPrefixRemoteGatewayAddress,
svcPortPrefixSourceAddrValidation,
svcPortPrefixRouteDetermination,
svcPortPrefixAddrRegistration,
svcPortPrefixRowStatus, svcPortPrefixModifyType,
svcPortPrefixCugTermination, svcPortPrefixOrgScope ,
svcAddrAddress, svcAddrType,
svcAddrNumBits, svcAddrAdminCost,
svcAddrSourceAddrValidation,
svcAddrRouteDetermination, svcAddrPvpTermination,
svcAddrPvcTermination, svcAddrPvcConnId, svcAddrRowStatus,

svcAddrModifyType,svcAddrCugTermination,svcAddrVpi,svcAddrVci,
svcAddrOrgScope,svcAtmDteUserPartUserPart,
svcAtmDteUserPartType,svcAtmDteUserPartNumBits,
svcAtmDteUserPartRowStatus, svcAtmDteUserPartModifyType,
svcNetworkIdType, svcNetworkIdPrefix, svcNetworkIdNumBits,
svcNetworkIdSourceValidation,
svcNetworkIdSourceDefault,
svcNetworkIdRouteDetermination,
svcNetworkIdAdjacentNetwork,
svcNetworkIdAdminCost, svcNetworkIdRowStatus,
svcNetworkIdModifyType
}

STATUS current

DESCRIPTION " The collection of objects associated with SVC addresses."
 ::= { psGroups 38 }

svcConfigGroup OBJECT-GROUP

OBJECTS { svcConfigCgPtyInsertionMode, svcConfigCgPtyInsertionAddress,
svcConfigScrModeNodePrefix, svcConfigCgPtyPresentationMode,

```

        svcConfigEgressAddrXlateMode, svcConfigIngressAddrXlateMode,
        svcConfigHoldDownTimer,
    svcConfigLoadBalanceEligibilityDuration,
        svcConfigRowStatus, svcConfigModifyType,
    svcConfigScrModePrefix,
        svcConfigScrModeAddress, svcConfigSvcCdvTolerance,
        svcConfigSvcFailureTrapThresh, svcConfigSvcCugState,
        svcConfigSvcFrameDiscard, svcConfigFwdCktPriority,
        svcConfigRevCktPriority,
        svcConfigTNSPresentMode, svcConfigTNSScreenMode}
    STATUS current
    DESCRIPTION " The collection of SVC configuration."
    ::= { psGroups 39 }

```

```

trafficDescriptorGroup OBJECT-GROUP
    OBJECTS {trafficDescriptorName, trafficDescriptorType,
        trafficDescriptorParam1, trafficDescriptorParam2,
        trafficDescriptorParam3, trafficDescriptorQoSClass,
        trafficDescriptorRowStatus, trafficDescriptorModifyType }
    STATUS current
    DESCRIPTION "The collection of ATM traffic descriptor type objects."
    ::= { psGroups 40 }

```

```

pportPFdlGroup OBJECT-GROUP
    OBJECTS {pportPFdlControl, pportPFdlPrmTransmission,
        pportPFdlPathIdTransmission, pportPFdlEquipmentCode,
        pportPFdlLocationCode, pportPFdlFrameCode, pportPFdlUnitCode,
        pportPFdlFacilityCode, pportPFdlRowStatus,
        pportPFdlModifyType}
    STATUS current
    DESCRIPTION "The collection pport PFDL objects."
    ::= { psGroups 41 }

```

```

lportAtmFcpGroup OBJECT-GROUP
    OBJECTS { lportAtmFcpRmCellGen, lportAtmFcpRmCellTerm,
        lportAtmFcpEfciBitCheck, lportAtmFcpTotalBuffer,
        lportAtmFcpClp01Thresh, lportAtmFcpDiscardThresh,
        lportAtmFcpEfciThresh, lportAtmFcpRowStatus,
        lportAtmFcpModifyType }
    STATUS current
    DESCRIPTION " The collection of atm lport FCP objects."
    ::= { psGroups 42 }

```

```

circuitServiceNameFrEndpointGroup OBJECT-GROUP
    OBJECTS {
        frCircuitServiceNameEndpointCircuitNumber,
        frCircuitServiceNameEndpointCir,
        frCircuitServiceNameEndpointBc,

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```

frCircuitServiceNameEndpointDeltaBc,
frCircuitServiceNameEndpointBe,
frCircuitServiceNameEndpointDeltaBe,
frCircuitServiceNameEndpointGracefulDiscard,
frCircuitServiceNameEndpointRateEnfScheme,
frCircuitServiceNameEndpointRedFramePercent,
frCircuitServiceNameEndpointZeroCIEnabled,
frCircuitServiceNameEndpointCircuitPriority,
frCircuitServiceNameEndpointQosClass,
frCircuitServiceNameEndpointRowStatus,
frCircuitServiceNameEndpointModifyType,
frCircuitServiceNameEndpointSlotId,
frCircuitServiceNameEndpointPPortId,
frCircuitServiceNameEndpointNumRetries,
frCircuitServiceNameEndpointFcpDiscard,
frCircuitServiceNameEndpointLoopback
}
STATUS current
DESCRIPTION "The collection of Circuit ServiceName Fr Endpoint objects"
::= { psGroups 43 }

```

```

circuitServiceNameAtmEndpointGroup OBJECT-GROUP
OBJECTS {
    atmCircuitServiceNameEndpointCircuitNumber ,
    atmCircuitServiceNameEndpointTrafficDescrParam1 ,
    atmCircuitServiceNameEndpointTrafficDescrParam2 ,
    atmCircuitServiceNameEndpointTrafficDescrParam3 ,
    atmCircuitServiceNameEndpointTrafficDescrParam4 ,
    atmCircuitServiceNameEndpointTrafficDescrParam5 ,
    atmCircuitServiceNameEndpointTrafficDescrType ,
    atmCircuitServiceNameEndpointQosClass ,
    atmCircuitServiceNameEndpointFcpDiscard ,
    atmCircuitServiceNameEndpointGracefulDiscard ,
    atmCircuitServiceNameEndpointCircuitPriority ,
    atmCircuitServiceNameEndpointRateEnfScheme ,
    atmCircuitServiceNameEndpointModifyType ,
    atmCircuitServiceNameEndpointRowStatus ,
    atmCircuitServiceNameEndpointDeltaBc ,
    atmCircuitServiceNameEndpointDeltaBe ,
    atmCircuitServiceNameEndpointRedFramePercent ,
    atmCircuitServiceNameEndpointSlotId ,
    atmCircuitServiceNameEndpointPPortId,
    atmCircuitServiceNameEndpointNumRetries,
    atmCircuitServiceNameEndpointFrameDiscard,
    atmCircuitServiceNameEndpointShaperId,
    atmCircuitServiceNameEndpointTrafficMgmtCdvStatus,
    atmCircuitServiceNameEndpointTrafficMgmtCdv,
    atmCircuitServiceNameEndpointTrafficMgmtClrStatus,

```

```
atmCircuitServiceNameEndpointTrafficMgmtClr
}
STATUS current
DESCRIPTION "The collection of Circuit ServiceName Atm Endpoint objects"
::= { psGroups 44 }
```

```
circuitServiceNameIntworkingEndpointGroup OBJECT-GROUP
OBJECTS {
    interworkingCircuitServiceNameEndpointCircuitNumber ,
    interworkingCircuitServiceNameEndpointTrafficDescrParam1 ,
    interworkingCircuitServiceNameEndpointTrafficDescrParam2 ,
    interworkingCircuitServiceNameEndpointTrafficDescrParam3 ,
    interworkingCircuitServiceNameEndpointTrafficDescrParam4 ,
    interworkingCircuitServiceNameEndpointTrafficDescrParam5 ,
    interworkingCircuitServiceNameEndpointTrafficDescrType ,
    interworkingCircuitServiceNameEndpointScr ,
    interworkingCircuitServiceNameEndpointMbs ,
    interworkingCircuitServiceNameEndpointPcr ,
    interworkingCircuitServiceNameEndpointQosClass ,
    interworkingCircuitServiceNameEndpointFcpDiscard ,
    interworkingCircuitServiceNameEndpointGracefulDiscard ,
    interworkingCircuitServiceNameEndpointRedFramePercent ,
    interworkingCircuitServiceNameEndpointShaperId ,
    interworkingCircuitServiceNameEndpointRateEnfScheme ,
    interworkingCircuitServiceNameEndpointCircuitPriority ,
    interworkingCircuitServiceNameEndpointRowStatus ,
    interworkingCircuitServiceNameEndpointModifyType ,
    interworkingCircuitServiceNameEndpointDeltaBc ,
    interworkingCircuitServiceNameEndpointDeltaBe ,
    interworkingCircuitServiceNameEndpointZeroCIREnabled ,
    interworkingCircuitServiceNameEndpointSlotId ,
    interworkingCircuitServiceNameEndpointPPortId,
    interworkingCircuitServiceNameEndpointNumRetries
}
STATUS current
DESCRIPTION "The collection of Circuit ServiceName Interworking
Endpoint objects "
::= { psGroups 45 }
```

```
trunkGroup OBJECT-GROUP
OBJECTS { trunkLPort1, trunkLPort2, trunkType, trunkName,
    trunkAreaId, trunkAdminCost, trunkKeepAliveErrorThreshold,
    trunkVpnName, trunkTrafficMix, trunkSubscriptionFactor,
    trunkPrimaryTrunkForBackup, trunkCallSetupRetryInterval,
    trunkRetriesSetupCycle, trunkRetryCycleInterval,
    trunkInitiateBackupCallSetup, trunkBackupOnTrunkFailure,
    trunkFailureThreshold, trunkRestorationThreshold,
    trunkDefinedBandwidth, trunkVirtualBandwidth,
```

```

        trunkRowStatus, trunkModifyType
    }
    STATUS current
    DESCRIPTION " A collection of objects containing instances of Trunks"
    ::= { psGroups 46 }

refTimeServerGroup OBJECT-GROUP
    OBJECTS {
        refTimeServerLclPollInterval,
        refTimeServerExtPollInterval,
        refTimeServerPreferredServer,
        refTimeServerRowStatus,
        refTimeServerModifyType
    }
    STATUS current
    DESCRIPTION
        " Collection of objects containing
        instances of Reference Time Server "
    ::= { psGroups 47 }

switchFrBillingGroup OBJECT-GROUP
    OBJECTS {switchFrBillingServerPrimaryIp,
        switchFrBillingServerSecondaryIp,
        switchFrBillingServerControl,
        switchFrBillingAcctControl,
        switchFrBillingAfrRecording,
        switchFrBillingCfrRecording,
        switchFrBillingUfrRecording,
        switchFrBillingVfrRecording,
        switchFrBillingRecordingUpdtInterval,
        switchFrBillingPvcRecordingPeriod,
        switchFrBillingRowStatus,
        switchFrBillingModifyType
    }
    STATUS current
    DESCRIPTION " A collection of switch billing objects in the case of
    9000 and 8000 switches"
    ::= { psGroups 48 }

lportFrBillingGroup OBJECT-GROUP
    OBJECTS {lportFrBillingSvcAccountingOrig,
        lportFrBillingSvcAccountingTerm,
        lportFrBillingPvcParamRec,
        lportFrBillingAddrSameAsUni,
        lportFrBillingCarrierId,
        lportFrBillingGenUnsuccess,

```

```

        lportFrBillingUsageMeasure,
        lportFrBillingIntraAbr,
        lportFrBillingIntraUbr,
        lportFrBillingIntraVbr,
        lportFrBillingIntraCbr,
        lportFrBillingSvcSubAddr,
        lportFrBillingRowStatus,
        lportFrBillingModifyType,
        lportFrBillingDefaultUniAddrFormat,
        lportFrBillingDefaultUniAddrAsc,
        lportFrBillingDefaultUniAddrPrefix ,
        lportFrBillingPVCRecInterfaceId
    }
    STATUS current
    DESCRIPTION " A collection of Billing specific,frame relay lport
objects."
    ::= { psGroups 49}

circuitFrBillingGroup OBJECT-GROUP
    OBJECTS { frCircuitBillingCircuitName,
                frCircuitBillingAcctPvcControl1,
                frCircuitBillingAcctChrgPartyId1,
                frCircuitBillingAcctUsageMeasure1,
                frCircuitBillingPvcParamRecording1,
                frCircuitBillingAcctPvcControl2,
                frCircuitBillingAcctChrgPartyId2,
                frCircuitBillingAcctUsageMeasure2,
                frCircuitBillingPvcParamRecording2,
                frCircuitBillingRowStatus,
                frCircuitBillingModifyType
    }
    STATUS current
    DESCRIPTION "A collection of circuit billing objects on the STDX -
9000 "
    ::= { psGroups 50 }

mlfrBindingGroup OBJECT-GROUP
    OBJECTS { mlfrBindingRowStatus, mlfrBindingModifyType}
    STATUS current
    DESCRIPTION "A collection of MLFRBinding objects."
    ::= { psGroups 51 }

svcVpciGroup OBJECT-GROUP
    OBJECTS {
        svcVpciRowStatus, svcVpciModifyType,
        svcVpciStatus, svcVpciVpi,
        svcVpciPeerLPort
    }

```

```
}
STATUS current
DESCRIPTION "The collection of SVC VPCI configuration."
::= { psGroups 52 }
```

```
lportPnniIfGroup OBJECT-GROUP
OBJECTS {
    lportPnniIfRowStatus, lportPnniIfModifyType,
    lportPnniIfRCCFwdTD, lportPnniIfRCCRevTD,
    lportPnniIfAdmWeightCbr, lportPnniIfAdmWeightRtVbr,
    lportPnniIfAdmWeightNrtVbr, lportPnniIfAdmWeightAbr,
    lportPnniIfAdmWeightUbr
}
STATUS current
DESCRIPTION "The collection of LPort PNNI configuration."
::= { psGroups 53 }
```

```
lportIlmiGroup OBJECT-GROUP
OBJECTS {
    lportIlmiRowStatus, lportIlmiModifyType,
    lportIlmiAdminStatus, lportIlmiDteScreenMode,
    lportIlmiPollPeriod, lportIlmiLossThreshold,
    lportIlmiValidVpiBits, lportIlmiValidVciBits,
    lportIlmiFwdTD, lportIlmiRevTD
}
STATUS current
DESCRIPTION "The collection of LPort ILMI configuration."
::= { psGroups 54 }
```

```
lportAtmQoSGroup OBJECT-GROUP
OBJECTS {
    lportAtmQoSRowStatus, lportAtmQoSModifyType,
    lportAtmQoSCbrBwAlloc, lportAtmQoSVbr1BwAlloc,
    lportAtmQoSVbr2BwAlloc, lportAtmQoSUbrBwAlloc,
    lportAtmQoSCbrRouteMetric, lportAtmQoSVbr1RouteMetric,
    lportAtmQoSVbr2RouteMetric, lportAtmQoSUbrRouteMetric,
    lportAtmQoSCbrBwOversub, lportAtmQoSVbr1BwOversub,
    lportAtmQoSVbr2BwOversub, lportAtmQoSUbrBwOversub,
    lportAtmQoSIsCbrDynamic, lportAtmQoSIsVbrRTDynamic,
    lportAtmQoSIsVbrNRTDynamic, lportAtmQoSIsUbrDynamic
}
STATUS current
DESCRIPTION "The collection of LPort ATM QoS configuration."
::= { psGroups 55 }
```

```
lportFrQoSGroup OBJECT-GROUP
```

```

OBJECTS {
    lportFrQoSRowStatus, lportFrQoSModifyType,
    lportFrCfrBwAlloc, lportFrVfrRtBwAlloc,
    lportFrVfrNRtBwAlloc, lportFrUfrBwAlloc,
    lportFrCfrRouteMetric, lportFrVfrRtRouteMetric,
    lportFrVfrNRtRouteMetric, lportFrUfrRouteMetric,
    lportFrCfrBwOversub, lportFrVfrRtBwOversub,
    lportFrVfrNRtBwOversub, lportFrUfrBwOversub,
    lportFrIsCfrDynamic, lportFrIsVfrRTDynamic,
    lportFrIsVfrNRTDynamic, lportFrIsUfrDynamic
}
STATUS current
DESCRIPTION "The collection of LPort Frame Relay QoS configuration."
::= { psGroups 56 }

```

```

pnniNodeGroup OBJECT-GROUP
OBJECTS {
    pnniNodeRowStatus, pnniNodeModifyType,
    pnniNodeAdminStatus, pnniNodeID,
    pnniNodePnniToVnnReachability, pnniNodeVnnToPnniReachability,
    pnniNodeAddressBundle
}
STATUS current
DESCRIPTION "The collection of PNNI node configuration."
::= { psGroups 57 }

```

```

cardTcaGroup OBJECT-GROUP
OBJECTS {
    cardTcaRowStatus, cardTcaModifyType,
    cardATMTcaEnable, cardATMTcaInBufOverflowAlertPeriod,
    cardATMTcaInBufOverflowThresh,
    cardATMTcaInInvalidVpiVciAlertPeriod,
    cardATMTcaInInvalidVpiVciThresh, cardATMTcaSPEnable,
    cardATMTcaSPPearlOCbrFailureAlertPeriod,
    cardATMTcaSPPearlOCbrThresh,
    cardATMTcaSPPearlOAbfFailureAlertPeriod,
    cardATMTcaSPPearlOAbfThresh,
    cardATMTcaSPPearlOVbr1FailureAlertPeriod,
    cardATMTcaSPPearlOVbr1Thresh,
    cardATMTcaSPPearlOVbr2FailureAlertPeriod,
    cardATMTcaSPPearlOVbr2Thresh,
    cardATMTcaSPPearlGCbrFailureAlertPeriod,
    cardATMTcaSPPearlGCbrThresh,
    cardATMTcaSPPearlGAbfFailureAlertPeriod,
    cardATMTcaSPPearlGAbfThresh,
    cardATMTcaSPPearlGVbr1FailureAlertPeriod,

```

```

cardATMTcaSPPearlGVbr1Thresh,
    cardATMTcaSPPearlGVbr2FailureAlertPeriod,
cardATMTcaSPPearlGVbr2Thresh
}
STATUS current
DESCRIPTION "The collection of card TCA configuration."
::= { psGroups 58 }

pportTcaGroup OBJECT-GROUP
OBJECTS {
    pportTcaRowStatus, pportTcaModifyType,
    pportATMTcaEnable, pportATMTcaInHECErrorUAlertPeriod,
    pportATMTcaInHECErrorUThresh,
pportATMTcaEBufOverflowCBRAAlertPeriod,
    pportATMTcaEBufOverflowCBRThresh,
pportATMTcaEBufOverflowABRAAlertPeriod,
    pportATMTcaEBufOverflowABRThresh,
pportATMTcaEBufOverflowVBR1AlertPeriod,
    pportATMTcaEBufOverflowVBR1Thresh,
pportATMTcaEBufOverflowVBR2AlertPeriod,
    pportATMTcaEBufOverflowVBR2Thresh
}
STATUS current
DESCRIPTION "The collection of PPort TCA configuration."
::= { psGroups 59 }

svcNetworkIdGroup OBJECT-GROUP
OBJECTS {
    svcNetworkIdRowStatus, svcNetworkIdModifyType,
    svcNetworkIdType, svcNetworkIdPrefix,
    svcNetworkIdNumBits, svcNetworkIdSourceValidation,
    svcNetworkIdSourceDefault, svcNetworkIdRouteDetermination,
    svcNetworkIdAdjacentNetwork, svcNetworkIdAdminCost
}
STATUS current
DESCRIPTION "The collection of SVC network ID configuration."
::= { psGroups 60 }

circuitDefinedPathGroup OBJECT-GROUP
OBJECTS {
    circuitDefinedPathRowStatus, circuitDefinedPathModifyType,
    circuitDefinedPathEnable, circuitDefinedPathAltOption,
    circuitDefinedPath
}
STATUS current
DESCRIPTION "The collection of circuit defined path configuration."
::= { psGroups 61 }

```

```
svcFrConfigGroup OBJECT-GROUP
  OBJECTS {
    svcFrConfigRowStatus, svcFrConfigModifyType, svcFrConfigQoS,
    svcFrConfigRQoS, svcFrConfigQ922Signal
  }
  STATUS current
  DESCRIPTION "The collection of SVC Config specific to frame objects."
  ::= { psGroups 62 }
```

```
circuitOamDiagGroup OBJECT-GROUP
  OBJECTS {
    circuitOamDiagAction, circuitOamDiagLoopbackDirection,
    circuitOamDiagLoopbackType,
    circuitOamDiagLoopbackSource, circuitOamDiagLoopbackHops,
    circuitOamDiagNumberOAMCells,
    circuitOamDiagLoopbackReceived, circuitOamDiagLoopbackTimeouts,
    circuitOamDiagLoopbackReceivedHigh,
    circuitOamDiagLoopbackReceivedLow,
    circuitOamDiagLoopbackReceivedAvg
  }
  STATUS current
  DESCRIPTION "The collection of Circuit OAM Diagnostic attributes"
  ::= { psGroups 63 }
```

```
lportDiagGroup OBJECT-GROUP
  OBJECTS {
    lportDiagAction,
    lportDiagTestType,
    lportDiagDs0AllocatedChannels,
    lportDiagDs0FarEndLoopbackType,
    lportDiagDs0FarEndBitStuffing,
    lportDiagDs0FarEndNumOfMidSpanRepeater,
    lportDiagActivateDs0FarEndLpbk,
    lportDiagBertPattern,
    lportDiagBertUserPatternBytes,
    lportDiagLoopbackStatus,
    lportDiagTestResult,
    lportDiagFailReason,
    lportDiagDs0FarEndTestPatternSyncStatus,
    lportDiagDs0FarEndTestBitErrorCount,
    lportDiagDs0FarEndTestErrorFreeSeconds,
    lportDiagDs0FarEndTestErroredSeconds,
    lportDiagBertStatus,
    lportDiagBertBitCount,
    lportDiagBertErrCount,
```

```

        lportDiagBertPatternDetected
    }
    STATUS current
    DESCRIPTION "The collection of LPort loopback Diagnostic attributes"
    ::= { psGroups 64 }

channelDiagGroup OBJECT-GROUP
    OBJECTS {
        channelDiagAction,
        channelDiagTestType,
        channelDiagNearEndLoopbackType,
        channelDiagFarEndLoopbackType,
        channelDiagBertPattern,
        channelDiagBertUserBytes,
        channelDiagNearEndLoopbackStatus,
        channelDiagFarEndLoopbackStatus,
        channelDiagBertStatus,
        channelDiagBertErrorCount,
        channelDiagBertBitCount
    }
    STATUS current
    DESCRIPTION "The collection of channel loopback Diagnostic attributes"
    ::= { psGroups 65 }

pportDiagGroup OBJECT-GROUP
    OBJECTS {
        pportDiagAction,
        pportDiagTestType,
        pportDiagDS1NearEndLoopbackType,
        pportDiagBertPattern,
        pportDiagBertUserPatternBytes,
        pportDiagLoopbackStatus,
        pportDiagTestResult,
        pportDiagFailReason,
        pportDiagBertStatus,
        pportDiagBertBitCount,
        pportDiagBertErrorCount
    }
    STATUS current
    DESCRIPTION "The collection of PPort loopback Diagnostic attributes"
    ::= { psGroups 66 }

lportDepricatedGroup OBJECT-GROUP
    OBJECTS {lportAtmIlmiAdminStatus, lportAtmIlmiDteScreenMode,
        lportAtmIlmiPollPeriod, lportAtmIlmiLossThreshold,
        lportAtmIlmiValidVpiBits, lportAtmIlmiValidVciBits,
        lportAtmCbrBwAlloc, lportAtmVbr1BwAlloc, lportAtmVbr2BwAlloc,

```

```

        lportAtmUbrBwAlloc, lportAtmCbrRouteMetric,
        lportAtmVbr1RouteMetric, lportAtmVbr2RouteMetric,

lportAtmUbrRouteMetric,lportAtmCbrBwOversub,lportAtmVbr1BwOversub,
        lportAtmVbr2BwOversub, lportAtmUbrBwOversub,
        lportAtmIsCbrDynamic, lportAtmIsVbrRTDynamic,
        lportAtmIsVbrNRTDynamic, lportAtmIsUbrDynamic}
    STATUS deprecated
    DESCRIPTION "A collection of atm specific lport objects that are
being removed"
    ::= {psGroups 67}

circuitDepricatedGroup OBJECT-GROUP
    OBJECTS {interworkingCircuitServiceNameEndpointMcr,
        interworkingCircuitEndpointMcr }
    STATUS deprecated
    DESCRIPTION "A colletion of circuit objects that are being removed"
    ::= {psGroups 68}

circuitOperInfoGroup OBJECT-GROUP
    OBJECTS {circuitOperInfoPvcDelay, circuitOperInfoActualPath}
    STATUS current
    DESCRIPTION "The collection of circuit oper info objects"
    ::= {psGroups 69}

END

```