

## Programmable Trunk Card Group

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This chapter describes the configuration for the Four Span T1, Four Span E1, and MVDC-T1 programmable trunk cards.

Use the programmable trunk card group to configure individual ports on programmable Four Span T1, Four Span E1, and MVDCT1 trunk cards. This group consists of the following tables:

- Programmable trunk card table (ptcTable)
- Programmable trunk port table (progPortTable)
- Programmable trunk timing table (progPortEntry)

## Programmable Trunk Card Table

The Four Span T1, Four Span E1, and MVDC-T1 cards provide programmable trunks. With the programmable trunk card table you can modify span configuration and port signaling options, and access the Trunk Timing Configuration screen. This section lists the objects within the programmable trunk card table.

### ptcSpanTable

{ptc 1}

**Description**

List of the programmable trunk cards including 4XT1, 4XE1, and MVDC-T1.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1

**Data Type**

Sequence of PtcSpanEntry

**Access Policy**

Not accessible

**Status**

Mandatory

## ptcSpanEntry

{ptcSpanTable 1}

### Description

An entry in the ptcSpanTable.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1

### Data Type

PtcSpanEntry

### Access Policy

Not accessible

### Status

Mandatory

### Index

{ptcIndex, ptcType, ptcSpanNum}

## PtcSpanEntry

Sequence

ptcIndex	CardIndex
ptcType	Integer
ptcRack	Integer
ptcLevel	Integer
ptcSlot	Integer
ptcSpanNum	Integer
ptcTxGain	Integer
ptcRxGain	Integer
ptcTxClck	Integer
ptcRfClck	Integer
ptcSpanType	Integer
ptcSlip	Integer
ptcOutOffFrame	Integer

ptcLaw	Integer
ptcCode	Integer
ptcLeng	Integer
ptcCrc	Integer
ptcTs0	Integer
ptcTs16	Integer
ptcStatus	Integer
ptcUnusedPorts	Integer
ptcRevVer	DisplayString
ptcPhyAdd	Integer
ptcNfasGrpIndex	Integer
ptcNfasGrpPosition	Integer
ptcAlarm	Integer
ptcErrorStatus	Integer
ptcOwnerString	OwnerString
ptcEntryStatus	EntryStatus

## ptcIndex

{ptcSpanEntry 1}

### Description

Identifies an object in the programmable trunk card table. The object contains the physical location (hardware address) of the trunk card. This object lists the rack (R), level (L), and slot (S) where the card resides.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.1

### Data Type

CardIndex

### Access Policy

Read only

### Status

Mandatory

## ptcType

{ptcSpanEntry 2}

### Description

Specifies the type of programmable trunk card. The value in the card type object is a card attribute.

This object is the secondary index into the ptcTable.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.2

### Data Type

Integer. The possible values and their names are shown in the following table:

Value	Name
1	fourSpanT1
2	fourSpanE1
3	mvlcT1

### Access Policy

Read only

### Status

Mandatory

## ptcRack

{ptcSpanEntry 3}

### Description

Rack (R) where the card resides. The rack location is a card attribute.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.3

### Data Type

Integer

### Access Policy

Read only

### Status

Mandatory

## ptcLevel

{ptcSpanEntry 4}

### Description

Level (L) where the card resides. The level location is a card attribute.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.4

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

**ptcSlot**

{ptcSpanEntry 5}

**Description**

Slot (S) where the card resides. The slot location is a card attribute.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.5

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

**ptcSpanNum**

{ptcSpanEntry 6}

**Description**

Specifies the span number of the 4XT1, 4XE1, and MVDCT1 trunk cards.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.6

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

## ptcTxGain

{ptcSpanEntry 7}

### Description

Indicates the transmit gain control.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.7

### Data Type

Integer. The valid numerical and string values are shown in the following table:

Value	String
1	minus6db
2	minus3db
3	zerodb
4	plus3db
5	plus6db

### Access Policy

Read-write

### Status

Mandatory

### Default Value

zerodb

## ptcRxGain

{ptcSpanEntry 8}

### Description

Indicates the reference gain control.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.8

### Data Type

Integer. The valid numerical and string values are shown in the following table:

Value	String
1	minus6db
2	minus3db
3	zerodb

Value	String
4	plus3db
5	plus6db

**Access Policy**

Read-write

**Status**

Mandatory

**Default Value**

zerodb

**ptcTxClck**

{ptcSpanEntry 9}

**Description**

Indicates the transmit clock (timing source) for the T1, E1, and MVCDT1 span types.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.9

**Data Type**

Integer. The valid numerical and string values are shown in the following table:

Value	String	Card Name	Meaning
1	sclk	T1,E1	System clock
2	loop	T1,E1	Incoming line
3	tx-1544	T1	Board crystal
4	tx-2048	E1	Board crystal

**Access Policy**

Read-write

**Status**

Mandatory

**ptcRfClck**

{ptcSpanEntry 10}

**Description**

Indicates the reference clock (timing source). Applies only if this span is specified as the current timing source. Specify the source with one of the following methods:

- Master Timing Link Selection menu on the control console
- T1 Synchronization Control (\$C0 02) host command
- masTimingSource object

When you choose a span as the master timing source, the reference clock for the span creates the system clock.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.10

### Data Type

Integer. The possible values and their meanings are shown in the following table:

Value	String	Card Name	Meaning
1	loop	T1, MVDCT1, E1	Incoming line
2	rf-1544	T1, MVDCT1	Board crystal
3	rf-2048	E1	Board crystal

### Access Policy

Read-write

### Status

Mandatory

## ptcSpanType

{ptcSpanEntry 11}

### Description

T1, MVDCT1—Indicates the format of the T1 stream. You can only change this value when the span status is Out-of-Service (OOS).

If you select an SF\_NR or ESF\_NR span type, the per port SIG TYPE field is ignored.

E1—Indicates the format of the E1 stream. You can only change this value when the span status is OOS. If you select CCS/31 format, the TS16 field is not accessible.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.11

### Data Type

Integer. Possible values and their meanings are shown in the following table:

Value	String	Card	Meaning
1	SF	T1, MVDCT1	Superframe
2	ESF	T1, MVDCT1	Extended superframe
3	SF-NR	T1, MVDCT1	Superframe without robbed bit signaling
4	ESF-NR	T1, MVDCT1	Extended superframe without robbed bit signaling



Value	String	Card	Meaning
5	CAS/R2	E1	Channel associated signaling/R2 mode
6	CAS/MC	E1	Channel associated signaling/Mercury Mode
7	CCS31B	E1	Common channel signaling/31 bearer channels

**Access Policy**

Read-write

**Status**

Mandatory

## ptcSlip

{ptcSpanEntry 12}

**Description**

Determines the number of transmit or receive slips the system detects for this span (in a 24-hour period) before threshold processing occurs. You can control this processing with the SLIP/OOF feature flag. Separate Slip maintenance counts are maintained for receive and transmit Slips. When either of these counters reaches the limit, threshold processing occurs. The current Slip count appears on the Diagnostic Card Display screen. Slip counters are reset at midnight or when you change this value.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.12

**Data Type**

Integer. Possible values are from 0 to 255. At zero (0), slip maintenance processing is inhibited. This setting is recommended when the TRX Clock = LOOP.

**Access Policy**

Read-write

**Status**

Mandatory

**Default Value**

255

## ptcOutOfFrame

{ptcSpanEntry 13}

**Description**

Determines the number of OOFs that the system detects for this span in a 24-hour period before threshold processing occurs. You control this processing with the SLIP/OOF feature flag. The OOF counter is reset at midnight or when you change this value.

**Data Type**

Integer. Possible values are from 0 to 255. Zero (0) is OOF maintenance processing inhibited (not recommended).

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.13

**Access Policy**

Read-write

**Status**

Mandatory

**Default Value**

17

**ptcLaw**

{ptcSpanEntry 14}

**Description**

Indicates the voice coding on the T1 or E1 stream. The system automatically turns off translation when calls specify unrestricted digital information bearer capability.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.14

**Data Type**

Integer. The valid numerical and string values are shown in the following table:

Value	String	Meaning
1	a	Use A law for voice coding.
2	Mu	Use Mu law for voice coding.

**Access Policy**

Read-write

**Status**

Mandatory

**ptcCode**

{ptcSpanEntry 15}

**Description**

T1, MVDCT1—Indicates the code on the T1 span.

E1—Indicates the code on the E1 span. The return value (2) should be interpreted depending on the card type.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.15

**Data Type**

Integer. The valid numerical and string values are shown in the following table:

Value	String	Cards Supported
1	AMI	T1, MVDCT1, E1
2	B8ZS	T1, MVDCT1
3	B7ZSs	T1, MVDCT1
4	HDB3	E1

**Access Policy**

Read-write

**Status**

Mandatory

**ptcLeng**

{ptcSpanEntry 16}

**Description**

Indicates the line equalization used for the T1/MVDCT1 stream.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.16

**Data Type**

Integer. The valid numerical and string values are shown in the following table:

Value	String	Meaning
0	none	Used with 4XE1 card
1	leng0-133	Length from 1 to 133
2	leng133-266	Length from 133 to 266
3	leng266-399	Length from 266 to 399
4	leng399-533	Length from 399 to 533
5	leng533-655	Length from 533 to 655
6	lengPT-68-A	FCC Part 68 Option A
7	lengG-703	ITU-T F.703

**Access Policy**

Read-write

**Status**

Mandatory

## ptcCrc

{ptcSpanEntry 17}

**Description**

Indicates if CRC checking is enabled.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.17

**Data Type**

Integer. The valid numerical and string values are shown in the following table:

Value	String	Meaning
0	none	Invalid value.
1	crc-on	CRC checking is enabled.
2	crc-off	CRC checking is disabled.

**Access Policy**

Read-write

**Status**

Mandatory

## ptcTs0

{ptcSpanEntry 18}

**Description**

Specifies international or national bits of Time Slot 0 as an 8-bit value.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.18

**Data Type**

Integer. The 8-bit value, i1Annnnn, has the following meaning:

i—International bits

A—A remote alarm indicator (the ITU-T default)

n—National bits

**Access Policy**

Read-write

**Status**

Mandatory

## ptcTs16

{ptcSpanEntry 19}

### Description

Specifies extra bits and the C and D bits of Time Slot 16 as an 8-bit value. Use bits 3 and 4 to specify the C and D bits.



### Note

For systems in China, the C and D bits must be set to 1.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.19

### Data Type

Integer. The valid numerical values are 0 to 255. The bit map, 0000xyxx, has the following meaning.

x = extra bits

y = a remote alarm indicator (the ITU-T default)

### Access Policy

Read-write

### Status

Mandatory

## ptcStatus

{ptcSpanEntry 20}

### Description

Indicates the current status of the card.

### Object Identifier

1.3.6.1.4.1.886.1.4.1.1.20

### Data Type

Integer. Possible values and their meanings are shown in the following table:

Value	String	Meaning
1	active	Ports on this card can be involved in active calls and can be allocated to new calls. <sup>1</sup>
2	maintenance <sup>1</sup>	One or more ports on this card might be involved in active calls. No ports are allocated to new calls. <sup>1</sup>
3	diagnostics	No ports on this card are involved in calls or allocated to new calls.
4	outOfService	No ports on this card can be involved in active calls. No ports are allocated to new calls.
7	payload loopback	Diagnostic state.
8	remote loopback	Diagnostic state.

1. The agent might take as long as 10 seconds to set a card to Active.

**Access Policy**

Read-write

**Status**

Mandatory

**ptcUnusedPorts**

{ptcSpanEntry 21}

**Description**

Indicates the number of ports not currently active on this card. For multispan cards, this object indicates the number of ports not currently active on individual spans. Valid only for network interface and internal service circuit ports.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.21

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

**ptcRevVer**

{ptcSpanEntry 22}

**Description**

Indicates the version and the revision levels of the firmware installed on this card. Use this field to verify that the firmware versions you installed for all your network interface and service circuit cards are at the current level.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.22

**Data Type**

DisplayString. Length of the display string is from 1 to 5 characters.

**Access Policy**

Read only

**Status**

Mandatory

## ptcPhyAdd

{ptcSpanEntry 23}

**Description**

The physical address of this card.

The value in this object is a span attribute.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.23

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

## ptcNfasGrpIndex

{ptcSpanEntry 24}

**Description**

A foreign key in the NFAS group table. This key indicates to which NFAS group this card belongs. To change this attribute, set the ptcEntryStatus and the nfasGroupTable objects to underModification (3).

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.24

**Data Type**

Integer. The valid values are 0 to 37.

**Access Policy**

Read-write

**Status**

Mandatory

## ptcNfasGrpPosition

{ptcSpanEntry 25}

**Description**

Specifies the position of the span in the NFAS group.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.25

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

**ptcAlarm**

{ptcSpanEntry 26}

**Description**

Tracks which alarms are active on this span. Card alarms are internally represented as a bit map. A bit is set to 1 for each active card alarm. There are 32 bits. The following table shows the bits and the alarm description.

Bit <sup>1</sup>	Alarm Description
0	Card failure—minor
1	Port failure—minor
2	T1, E1, PRI carrier failure—major
3	T1, E1, PRI remote carrier failure—major
4	T1, E1, PRI card failure—major
5	T1, E1 Signaling Bit—minor
6	PRI Bipolar Violation MLimit reached—minor
7	T1, E1, PRI Out of Frame MLimit reached—minor
8	T1, E1 Slip Maint Limit reached—minor
9	T1, E1, PRI OOF condition—minor
10	PRI D-channel failure—major
11-32	Unsigned filler (set to zero)

1. The NMS application needs to interpret the alarm status from the integer value returned by this object.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.26

**Data Type**

Integer

**Access Policy**

Read only



**Status**

Mandatory

**ptcErrorStatus**

{ptcSpanEntry 27}

**Description**

Registers the last error that occurred on this span entry. For a complete list of the card error messages, see Appendix A, “Card Error Messages”.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.27

**Data Type**

Integer. The following table shows the values and their meanings:

Value	Meaning
4352	frameTypeInvalid
4353	codeInvalid
4354	txInvalid
4355	rxInvalid
4356	txClockInvalid
4357	refClockInvalid
4358	oofSlipInvalid
4359	lawInvalid
4360	spanLengthInvalid
4361	crcInvalid
4362	ts0Invalid
4363	ts16Invalid
4364	mustBeOos

**Access Policy**

Read only

**Status**

Mandatory

**ptcOwnerString**

{ptcSpanEntry 28}

**Description**

The entity that configured this object and is therefore using the resources assigned to it.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.28

**Data Type**

OwnerString

**Access Policy**

Read-write

**Status**

Mandatory

## ptcEntryStatus

{ptcSpanEntry 29}

**Description**

Status of the programmable trunk card object. Use this object to add or delete a programmable card and to modify span attributes. A createRequest command on any span creates the entire card (all spans). Set each individual span to valid (1) once all modifications are done. When you set any one span to invalid (4), the entire card is deleted.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.29

**Data Type**

EntryStatus

**Access Policy**

Read-write

**Status**

Mandatory

## ptcDwnldVersion

{ptcSpanEntry 30}

**Description**

Version/revision of the card download file.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.30

**Data Type**

DisplayString (size 1...4)

**Access Policy**

Read only

**Status**

Mandatory

## ptcUpgradeState

{ptcSpanEntry 31}

**Description**

The upgrade state of this trunk card entry.

**Object Identifier**

1.3.6.1.4.1.886.1.4.1.1.31

**Data Type**

UpgradeState

**Access Policy**

Read only

**Status**

Mandatory

## ptcTableLastModified

{ptc 2}

**Description**

The time, displayed in hundredths of a second, since the ptcSpanTable was last modified. Helps NMS application developers determine the polling of the agent parameters.

**Object Identifier**

1.3.6.1.4.1.886.1.4.2

**Data Type**

TimeTicks

**Access Policy**

Read only

**Status**

Mandatory

# Programmable Port Table

This section contains the objects for configuring the Programmable T1 and E1 ports.

## progPortTable

{ptc 4}

**Description**

Lists port entries on each programmable card.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4

**Data Type**

Sequence of ProgPortEntry

**Access Policy**

Not accessible

**Status**

Mandatory

**progPortEntry**

{progPortTable 1}

**Description**

Table containing objects belonging to a particular port.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1

**Data Type**

ProgPortEntry

**Access Policy**

Not accessible

**Status**

Mandatory

**Index**

{ptcIndex, ptcSpanNum, progPortIndex }

**ProgPortEntry**

Sequence

progPortIndex	Integer
progPortName	DisplayString
progSigType	Integer
progCos	Integer
progWinkMin	Integer
progWinkMax	Integer
progWinkSend	Integer
progFlashMin	Integer
progFlashMax	Integer

progFlashSend	Integer
progOffHk	Integer
progGuard	Integer
progPortMajorState	PortMajorState
progPortSuppState	PortSuppState
progPortAddress	Integer
progInpulseRuleIndex	Integer
progResGroupIndex	Integer
progResGroupPosition	Integer
progPortErrorStatus	Integer
progPortOwnerString	OwnerString
progPortEntryStatus	PortEntryStatus
progPortState	Integer
progPCardType	Integer

## progPortIndex

{progPortEntry 1 }

### Description

Indicates the port number on the span. There are 24 ports on a progT1 span and 32 ports on a progE1 span.

### Object Identifier

1.3.6.1.4.1.886.1.4.4.1.1

### Data Type

Integer. The number of the port. Possible values are from 1 to 24 for T1 and MVDCT1 and 1 to 32 for E1.

### Access Policy

Read only

### Status

Mandatory

## progPortName

{progPortEntry 2}

### Description

Identifies individual circuits (optional). Each name should be unique and helpful in describing for what you use the port.

### Object Identifier

1.3.6.1.4.1.886.1.4.4.1.2

### Data Type

DisplayString. This field accepts up to 8 upper- or lowercase alphanumeric characters.

### Access Policy

Read-write

### Status

Mandatory

## progSigType

{progPortEntry 3}

### Description

Determines the signaling type. If you select an SF\_NR or ESF\_NR span type, the per port SigType field is ignored.

### Object Identifier

1.3.6.1.4.1.886.1.4.4.1.3

### Data Type

Integer. The valid numerical and string values are shown in the following table:

Value	String	Meaning
1	eAndm	E and M
2	fxo-ls	Foreign Exchange Office—Loop Start
3	fxo-gs	Foreign Exchange Office—Ground Start
4	fxs-ls	Foreign Exchange Subscriber—Loop Start
5	fxs-gs	Foreign Exchange Subscriber—Ground Start
6	clear	

### Access Policy

Read-write

### Status

Mandatory

## progCos

{progPortEntry 4}

### Description

Used for resource grouping and B-channel allocation and determining the values of the software operating characteristics for this port. Different spans on the same card can have different COS marks.

### Object Identifier

1.3.6.1.4.1.886.1.4.4.1.4

### Data Type

Integer. Possible values and their meanings are shown in the following table:

Value	String	Meaning
0	none	No port COS value.
1	o	Originating—Calls originating from the system. Outgoing calls initiated by the host command.
2	t	Terminating—Calls terminating at the system. Incoming calls initiated by action outside the system or forced by the host command.
3	w2	Two-Way—Calls originating from the system or calls terminating at the system. Outgoing calls initiated by the host command. Incoming calls initiated by outside actions.
4	oa	Always Off Hook and Originating—Calls originating from the system. Port goes off hook at system reset and remains off hook. Outgoing calls initiated by the host command.
5	ta	Always Off Hook and Terminating—Calls terminating at the system. Port goes off hook at system reset and remains off hook. Incoming calls initiated by outside actions or forced by the host command.
6	a2	Always Off Hook and Two-Way—Calls originating from the system or calls terminating at the system. Port goes off hook at system reset and remains off hook. Outgoing calls initiated by the host command, incoming calls initiated by outside actions or forced by the host command.

### Access Policy

Read-write

### Status

Mandatory

## progWinkMin

{progPortEntry 5}

### Description

Indicates the minimum wink detect time. For E1, this is the time to wait for the delayed dial signal.

### Object Identifier

1.3.6.1.4.1.886.1.4.4.1.5

**Data Type**

Integer. The valid values are from 0 to 255.

**Access Policy**

Read-write

**Status**

Mandatory

**progWinkMax**

{progPortEntry 6}

**Description**

Indicates the maximum wink detect time. Not used for E1 boards.

**Data Type**

Integer. The valid values are from 0 to 255.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.6

**Access Policy**

Read-write

**Status**

Mandatory

**progWinkSend**

{progPortEntry 7}

**Description**

Indicates the wink send time. For the E1 card, this is the time period of the delayed dial signal.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.7

**Data Type**

Integer. The valid values are from 0 to 255.

**Access Policy**

Read-write

**Status**

Mandatory

**progFlashMin**

{progPortEntry 8}

**Description**

Indicates the minimum flash detect time.



**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.8

**Data Type**

Integer. The valid values are from 0 to 255.

**Access Policy**

Read-write

**Status**

Mandatory

## progFlashMax

{progPortEntry 9}

**Description**

Indicates the maximum flash detect time.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.9

**Data Type**

Integer. The valid values are from 0 to 255.

**Access Policy**

Read-write

**Status**

Mandatory

## progFlashSend

{progPortEntry 10}

**Description**

Indicates the flash send time.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.10

**Data Type**

Integer. The valid values are from 0 to 255.

**Access Policy**

Read-write

**Status**

Mandatory

## progOffHk

{progPortEntry 11}

**Description**

Indicates the minimum off-hook time.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.11

**Data Type**

Integer. The valid values are from 0 to 255.

**Access Policy**

Read-write

**Status**

Mandatory

## progGuard

{progPortEntry 12}

**Description**

Indicates the guard time.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.12

**Data Type**

Integer. The valid values are from 0 to 255.

**Access Policy**

Read-write

**Status**

Mandatory

## progPortMajorState

{progPortEntry 13}

**Description**

The major state of the port.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.13

**Data Type**

PortMajorState

**Access Policy**

Read only

**Status**

Mandatory

**progPortSuppState**

{progPortEntry 14}

**Description**

The supplementary state of the port.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.14

**Data Type**

PortSuppState

**Access Policy**

Read only

**Status**

Mandatory

**progPortAddress**

{progPortEntry 15}

**Description**

Specifies the software address (hexadecimal identifier) of the port for which data is displayed. The port can also be specified by the hardware address.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.15

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

**progInpulseRuleIndex**

{progPortEntry 16}

**Description**

A foreign key corresponding to the `inpulseRuleIndex` in the `inpulseTable`. You access this object when you assign a particular impulse rule to a port.

Determines the impulse rule processed when this port goes off hook. Default impulse rules are used for incoming ports only. Class of Service = T, W2, AT, or A2. The impulse rule must be defined from the Impulse Rules Table screens.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.16

**Data Type**

Integer. Possible values are from 0 to 30 in 2K mode, or 0 to 255 in 4K mode. Zero means you are not selecting a default impulse rule.

**Access Policy**

Read-write

**Status**

Mandatory

**progResGroupIndex**

{progPortEntry 17}

**Description**

A foreign key corresponding to the groupIndex in the resGroupTable that indicates the number of the resource group to which this port belongs. If you do not make a resource group assignment, this object is zero (0). To change this attribute, set the progPortEntryStatus and the resGroupTable objects to underModification (3).

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.17

**Data Type**

Integer. Possible values range from 0 to 63 in 2K mode, or 0 to 224 in 4K mode.

**Access Policy**

Read-write

**Status**

Mandatory

**progResGroupPosition**

{progPortEntry 18}

**Description**

Specifies the position of the port in the assigned resource group.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.18

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

## progPortErrorStatus

{progPortEntry 19}

**Description**

Registers the last error that occurred on this port object.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.19

**Data Type**

Integer

**Access Policy**

Read only

**Status**

Mandatory

## progPortOwnerString

{progPortEntry 20}

**Description**

The entity that configured this object and is therefore using the assigned resources.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.20

**Data Type**

OwnerString

**Access Policy**

Read-write

**Status**

Mandatory

## progPortEntryStatus

{progPortEntry 21}

**Description**

Status of this table object.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.21

**Data Type**

PortEntryStatus

**Access Policy**

Read-write

**Status**

Mandatory

**progPortState**

{progPortEntry 22}

**Description**

Contains the state of the port where active is 1 and inactive is 2.

**Note**


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Always modify the state of ports one at a time. That is, the EntryStatus object must be set to valid after every SNMP\_SET command on this object.

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**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.22

**Data Type**

Integer. The valid values are 1 (active) and 2 (inactive).

**Access Policy**

Read-write

**Status**

Mandatory

**progPCardType**

{progPortEntry 23}

**Description**

Specifies the type of programmable trunk card to which this port belongs.

**Object Identifier**

1.3.6.1.4.1.886.1.4.4.1.23

**Data Type**

Integer. The following table lists the values and their meanings:

Value	Meaning
1	fourSpanT1
2	fourSpanE1
3	mvlcT1

**Access Level**

Read only

**Status**

Mandatory

## progPortTableLastModified

{ptc 5}

### Description

The time, displayed in hundredths of a second, since the port table (progPortTable) was last modified. Helps NMS application developers determine the polling of the agent parameters.

### Object Identifier

1.3.6.1.4.1.886.1.4.5

### Data Type

TimeTicks

### Access Policy

Read only

### Status

Mandatory

