NavisXtend Provisioning Server Object Attribute Definitions

Ascend Communications, Inc.

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Contents

List of Tables

About This Guide

The *NavisXtend Provisioning Server Object Attribute Definitions* provides detailed information on the various object types supported by the NavisXtend™ Provisioning Server and their associated attributes.

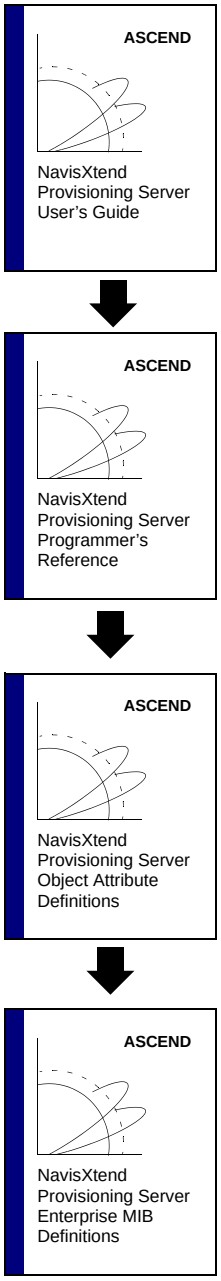
What You Need to Know

This guide assumes that you have a working knowledge of network management and provisioning operations. This guide assumes that you have installed the Ascend™ switch hardware.

Be sure to read the *Software Release Notice (SRN) for NavisXtend Provisioning Server* that accompanies this product. The SRN contains the most current product information and requirements.

Documentation Reading Path

The NavisXtend Provisioning Server document set includes the following manuals:



If you are using the NavisXtend Provisioning Server Application Toolkit for the first time, read the entire *NavisXtend Provisioning Server User's Guide*, which describes the interface, features, and typical applications for the NavisXtend Provisioning Server Application Toolkit. It explains, in step-by-step format, what is involved in developing a provisioning client and a provisioning script. It also describes how to use the SNMP MIB.

Once you are ready to begin developing a provisioning client, use this guide for detailed information on the NavisXtend Provisioning Server Application Programming Interface (API).

Use this guide for detailed information on the various object types supported by the Provisioning Server and their associated attributes.

If you are using the SNMP MIB to access the Provisioning Server, use this guide for detailed information on the MIB.

How to Use This Guide

The following table summarizes the information contained in this guide:

Read	To Learn About
Chapter 1	The containment hierarchy supported by the NavisXtend Provisioning Server. Also describes how the attributes are defined.
Chapter 2	The supported object attributes for the upper objects in the hierarchy (for network object through LPort object).
Chapter 3	The supported object attributes for the lower objects in the hierarchy (for NetCac object through the VPN object).
Chapter 4	The enumerated data types and their associated values.

What's New in This Release?

The following table lists the new product features in this release:

New Features/Functions	Description
Compatibility with NavisCore database, version 04.01.01.00	The Provisioning Server Release 4.1 interacts with the NavisCore version 04.01.01.00 database. Keep in mind that the server does not support **all** the new NavisCore 04.01.01.00 object types.
Support of the following new cards: • 1-port channelized DS3-1-0 card (on B-STDX) • 6-port DS3 Frame card (on CBX) • CP 40, CP 50 • SP 30, SP 40	The Provisioning Server Release 4.1 can manage these cards.
Limited support of GX 550 switch	The Provisioning Server Release 4.1 supports configuration of elements that are part of GX 550 switches.

New Features/Functions	Description
Support of the following new objects: • Card Threshold Crossing Alarm • Circuit Defined Path • PPort Threshold Crossing Alarm • Private Network-to-Network (PNNI) Node • Reference Time Server • SvcNetwork ID • Trunk • VPCI Table	The Provisioning Server Release 4.1 supports these new objects and their associated attributes.
SNMPv2c protocol	The Provisioning Server SNMP agent supports the SNMPv2c protocol.
Improved reliability and accuracy of circuit provisioning	Circuit provisioning on the B-STDX 8000/9000 and the CBX 500 is improved, preventing circuits from being partially provisioned and the database from becoming out-of-sync with the switch.
Diagnostic trace information added	Diagnostic trace information has been added to the Provisioning Server to print MIB interface related interaction. This information can assist in troubleshooting problems.
Support of a VPI value of 0 or greater	The Provisioning Server supports a VPI value of 0 or greater when provisioning an ATM OPT Cell Trunk LPort on the CBX 500 switch.
Real time status of NavisCore objects	**GetOperInfoObject**, an operational function, retrieves the real time status of NavisCore objects at the PVC level. API, CLI, and MIB interfaces are available.
Diagnostics	A set of operational functions performs diagnostic services for troubleshooting at the Circuit, Channel, PPort, and LPort levels.

What's New in This Guide?

The following table lists the enhancements to this guide:

Changes/Enhancements to this Guide	Described in Chapter
New object containment tables for switches and cards.	1
1-port channelized DS3-1-0 (on B-STDX), SP30, and SP40 cards	2
Three consolidated LPort attribute tables: attributes for Frame Relay, Others, SMDS, and MLFR LPorts; attributes for ATM LPorts; and detailed LPort information.	2
QoS tables of attribute relation information for five ATM circuit types.	3
Consolidated Circuit attribute table showing attributes supported for each of six circuit types, andanother consolidated Circuit attribute table providing more detailed information for each attribute.	3
New enumerated data types and values.	4

Conventions

This guide uses the following conventions:

Convention	Indicates	Example
`Courier`	Program source code. User input on a separate line and screen or system output.	`unsigned long` `Please wait...`
Helvetica	Structure names or other source code in body text.	CvObjectId structure
Bold	Function name, CLI command, UNIX command, or user input in body text.	**CvCreateNetworkId** **cvaddmember** **select** Type **cd install** and ...
Italics	Variable used by a function or command. Book titles, new terms, and emphasized text.	*UserArg* argument *NavisXtend Provisioning Server User's Guide*
Boxes around text	Notes, warnings, cautions.	See examples below.

Notes provide additional information or helpful suggestions that may apply to the subject text.

Cautions notify the reader to proceed carefully to avoid possible equipment damage or data loss.

Warnings notify the reader to proceed carefully to avoid possible personal injury.

Related Documents

This section lists the related Ascend documentation that you may find helpful to read.

- *Network Management Station Installation Guide* (Product code: #80014)
- *NavisCore IP Navigator Configuration Guide* (Product code: #80056)
- *NavisCore Frame Relay Configuration Guide* (Product code: #80071)
- *NavisCore ATM Configuration Guide* (Product code: #80072)
- *NavisCore SMDS Configuration Guide* (Product code: #80073)

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- Fill out the Customer Comment Form located at the back of this guide and return it to us.
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- 0-800-96-2229 (U.K.)
- 1-978-952-7299 (all other areas)

Terminology

The *NavisXtend Provisioning Server* is referred to in text using any of the following terms:

- NavisXtend Provisioning Server
- Provisioning Server
- server

The *NavisXtend Provisioning Server Application Toolkit* is referred to in text using any of the following terms:

- NavisXtend Provisioning Server Application Toolkit
- Application Toolkit
- toolkit

The *NavisXtend Provisioning client* is referred to in text using any of the following terms:

- NavisXtend Provisioning client
- Provisioning client
- client
- application

The product name for CascadeView has changed to *NavisCore*. The old and new product names are used interchangeably in the software and in the manuals.

1

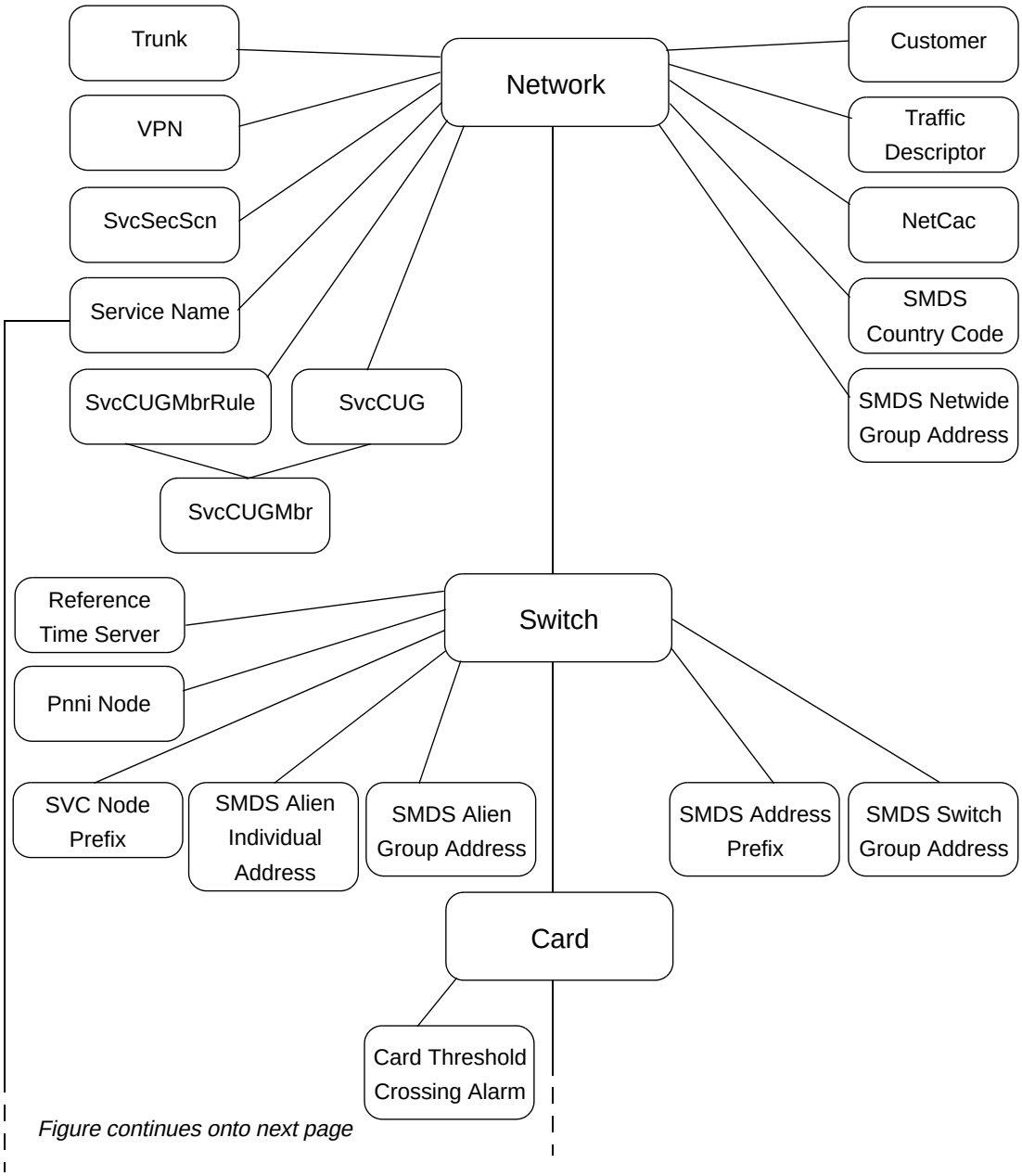
Supported Attributes

This manual lists the object attributes supported by the Provisioning Server for the objects in the containment hierarchy.

Containment Hierarchy

Figure 1-1 shows the containment hierarchy supported by the Provisioning Server.

Keep in mind that network ID is required only when you name an object directly below network in the containment hierarchy. You can omit the network ID for switch and objects lower in the hierarchy.



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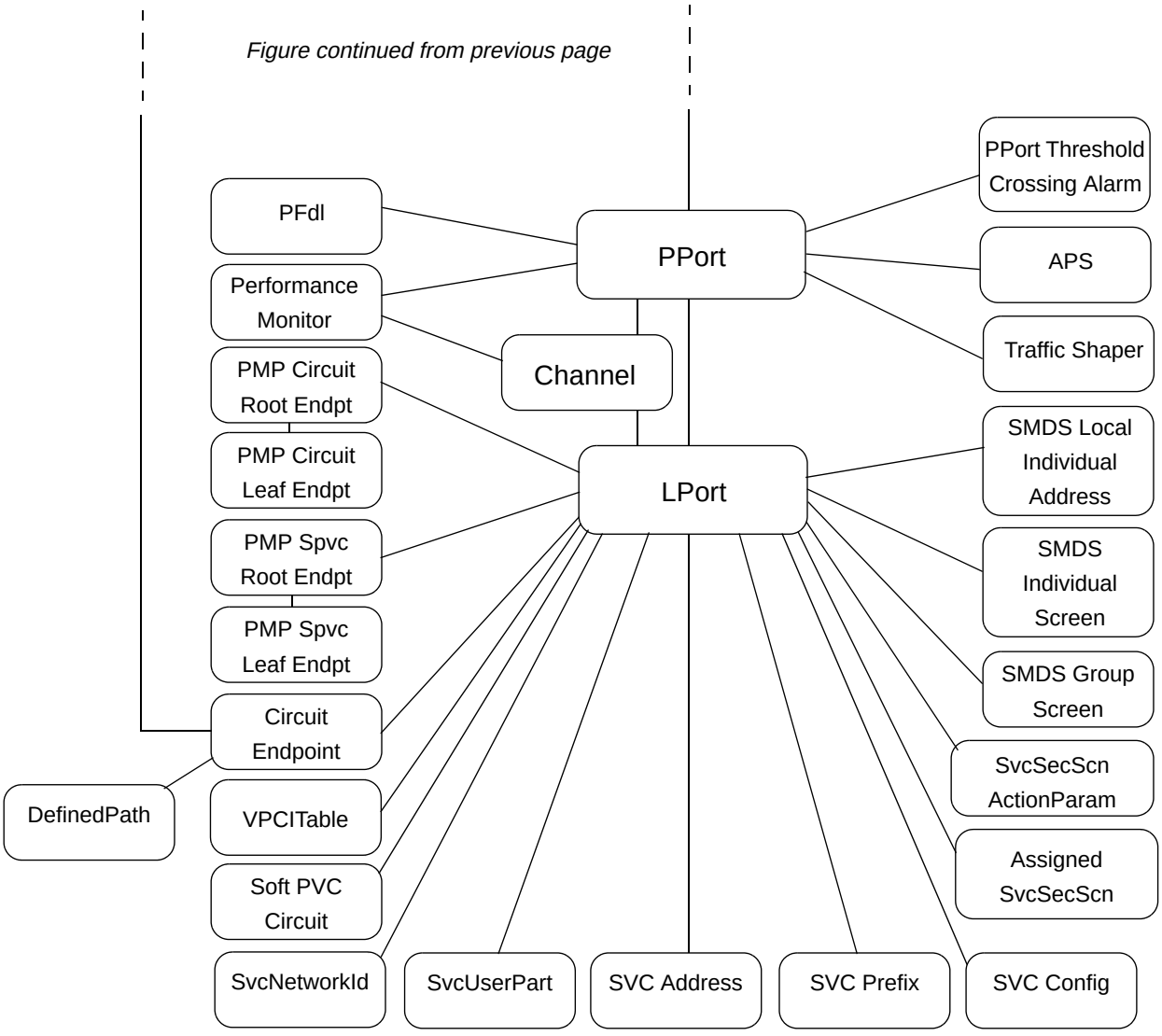

Figure 1-1. Containment Hierarchy for Managed Objects

Switches and Card Types

Table 1-1 lists the card types supported by each switch.

Table 1-1. Card Types Supported by Each Switch

Card Type	STDX 3000/6000	B-STDX 8000/9000	CBX 500	GX 550 (subcards)[a]
Cell-Based Cards				
1-port ATM IWU OC3		✓		
1-port ATM CS/DS3		✓		
1-port ATM CS/E3		✓		
8-port DS3			✓	
8-port E1			✓	
8-port E3			✓	
8-port T1			✓	
4-port OC-3c/STM-1			✓	✓
1-port OC-12c/STM-4			✓	✓
1-port OC-48/STM-16				✓
Frame-Based Cards				
1-port 24-channel T1	✓			
1-port 28-channel DS3		✓		
1-port 30-channel E1	✓			
1-port ATM DS3 UNI		✓		
1-port ATM E3 UNI		✓		
1-port Channelized DS3-1-0		✓		

Table 1-1. Card Types Supported by Each Switch (Continued)

Card Type	STDX 3000/6000	B-STDX 8000/9000	CBX 500	GX 550 (subcards)[a]
2-port HSSI		✓		
4-port 24-channel DSX		✓		
4-port 24-channel T1		✓		
4-port 24-channel T1 PRI		✓		
4-port 24-channel Unchannelized T1		✓		
4-port 30-channel E1		✓		
4-port 30-channel Unchannelized E1		✓		
4-port 32-channel E1 PRI		✓		
6-port Frame DS3			✓	
6-port Universal I/O	✓			
6-port V.35	✓			
8-port Low Speed UIO	✓			
8-port Universal I/O		✓		
10-port DSX-1		✓		
12-port Unchannelized E1		✓		
18-port Low Speed UIO	✓			
Processing Cards				
CP		✓		
NP				✓
SP10			✓	
SP20			✓	
SP30			✓	

Table 1-1. Card Types Supported by Each Switch (Continued)

Card Type	STDX 3000/6000	B-STDX 8000/9000	CBX 500	GX 550 (subcards)[a]
SP40			✓	

[a] NavisXtend Provisioning Server Version 4.1 supports only LPort and Circuit attributes.

Cards and LPorts

Table 1-2 lists the LPort types contained within each card category.

Table 1-2. LPort Types for Each Card

LPort	Channelized T1/E1-Based[a]	Unchannelized T1/E1 Based[b]	UIO[c]	ATM UNI on 9000[d]	Cell9000[e]	Cell500[f]	Cell550[g]
Frame Relay							
DCE	✓	✓	✓				
DTE	✓	✓	✓				
NNI	✓	✓	✓				
FR OPT PVC Trunk		✓	✓				
PPP	✓	✓	✓				

Table 1-2. LPort Types for Each Card (Continued)

LPort	Channelized T1/E1-Based[a]	Unchannelized T1/E1 Based[b]	UIO[c]	ATM UNI on 9000[d]	Cell9000[e]	Cell500[f]	Cell550[g]
FRAD	✓	✓	✓				
MLFR Trunk		✓	✓				
MLFR Member		✓	✓				
Direct Frame Trunk		✓	✓				
ISDN D Channel	✓						
ATMCSIWU							
DCE					✓		
DTE					✓		
NNI					✓		
Direct Cell Trunk					✓		
OPT Cell Trunk					✓		
OPT Frame Trunk					✓		
ATMFRNNI					✓		
ATMUNI9000							
DTE				✓			
Direct Cell Trunk				✓			
OPT Cell Trunk				✓			
OPT Frame Trunk				✓			
ATMFRNNI				✓			

Table 1-2. LPort Types for Each Card (Continued)

LPort	Channelized T1/E1-Based[a]	Unchannelized T1/E1 Based[b]	UIO[c]	ATM UNI on 9000[d]	Cell9000[e]	Cell500[f]	Cell550[g]
ATMDXI							
DCE	✓	✓					
DTE	✓	✓					
OPT Frame Trunk		✓					
ATMFRNNI		✓					
ATM500							
DCE						✓	
DTE						✓	
NNI						✓	
Direct Cell Trunk						✓	
OPT Cell Trunk						✓	
ATM550							✓
DCE							✓
DTE							✓
NNI							✓
Direct Cell Trunk							✓
OPT Cell Trunk							✓

Table 1-2. LPort Types for Each Card (Continued)

LPort	Channelized T1/E1-Based[a]	Unchannelized T1/E1 Based[b]	UIO[c]	ATM UNI on 9000[d]	Cell9000[e]	Cell500[f]	Cell550[g]
Other9000							
IPQoS							
MPVC							
Other500							
IPQoS							
MPVC							
IPServer							
Ethernet							
Ethernet							
SMDS[h]							
DXI DCE	✓	✓	✓				
DXI DTE	✓	✓	✓				
SSI	✓	✓	✓				
OPT Trunk		✓	✓				

[a] Includes the following cards: 1-port 24-channel T1, 1-port 30-channel E1, 1-port Channelized DS3-1-0, 4-port 24-channel DSX, 4-port 24-channel T1, 4-port 24-channel T1 PRI, 4-port 30-channel E1, and 4-port 32-channel E1 PRI.

[b] Includes the following cards: 1-port 28-channel DS3, 4-port 24-channel Unchannelized T1, 4-port 30-channel Unchannelized E1, 6-port Frame DS3, 10-port DSX-1, and 12-port E1.

[c] Includes the following cards: 2-port HSSI, 6-port Universal I/O, 6-port V.35, 8-port Low Speed UIO, 8-port Universal I/O, and 18-port Low Speed UIO.

[d] Includes the following cards: 1-port ATM DS3 UNI, and 1-port ATM E3 UNI.

[e] Includes the following cards: 1-port ATM CS/DS3, 1-port ATM CS/E3, and 1-port ATM IWU OC3.

[f] Includes the following cards: 1-port OC-12c/STM-4, 4-port OC-3c/STM-1, 8-port DS3, 8-port E1, 8-port E3, and 8-port T1.

[g] Includes the following cards: 1-port OC-12c/STM-4, 1-port OC-48/STM-16, 4-port OC-3c/STM-1, and NP.

[h] SMDS is not supported on the Channelized DS3 or Channelized DS3-1-0 cards. Also, SMDS is restricted by switch software; therefore, see the switch software restrictions in the appropriate *Software Release Notice.*

Attribute Definitions

Chapter 2 lists the supported object attributes for the upper objects in the hierarchy (for network object through channel object).

Chapter 3 lists the supported object attributes for the lower objects in the hierarchy (for LPort object through PMP Spvc Leaf endpoint object).

Each attribute is defined as follows:

Argument ID Symbol — The symbol name for the argument, as defined in the file CvArgId.H. *Comments* include restrictions and other information about the attribute. *Mandatory* indicates the attribute is a required attribute. If a mandatory attribute is appropriate for the object you are adding, you *must* specify the attribute with a valid value in the Add request.

Data Type — The data type of the attribute. Data types are listed by uppercase identifiers, such as INTEGER, LONG, STRING (zero-terminated printable strings), OBJID, and so on. Enumerated data types are listed by enumeration type, as defined in the file CvParamValues.H. Enumerated data types are a specialized form of INTEGER and are passed to the Provisioning Server as an int. When you specify an enumerated value, cast it as an unsigned long.

If a type is enumerated, you must use the actual value of the appropriate enumerated type. These values are mixed upper-case and lower-case strings. To map an enumerated data type to the values it accepts, use the enumerated identifier listed in the **Data Type** column to look up its values in the file CvParamValues.H.

See Chapter 4 for an alphabetic listing of the enumerated data types and their associated values.

Default Value — The default value for the API and the CLI. The default value is used if you omit the attribute in an Add request.

Access — The access *Read-Write* indicates a value that can be modified or assigned. The access *Read-Only* indicates a value that can only be read; it cannot be modified or assigned. The access *Create-Only* indicates a value that can be read at any time, but can only be assigned upon object creation.

2

Object Attributes for APS through LPort

This chapter lists the supported object attributes for the APS object through the LPort object. The objects are presented alphabetically. For a list of the object attributes for NetCac object through the VPN object, see Chapter 3.

Listed are the supported object attributes and their default values. Card attributes are listed by card type.

APS Attributes

Table 2-1. APS Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) ***Comments***	**Data Type**	**Default Value (API and CLI)**	**Access**
CVA_Aps**ApsCommand** pportApsXCommand *Valid values when CVA_ApsLineType is set to Working:* *Clear* *ForcedSwitchWorkingToProtection* *ManualSwitchWorkingToProtection* *Valid values when CVA_ApsLineType is set to Protection:* *Clear* *LockoutProtection* *ForcedSwitchProtectionToWorking* *ManualSwitchProtectionToWorking* *Exercise*	ApsObj__Config__ CvApsCommand		Read-Write
CVA_Aps**Direction** pportApsAdminDir *Not applicable when CVA_ApsLineType is set to Working.*	ApsObj__Config__ CvDirection	unidirectional Unidirectional	Read-Write

Table 2-1. APS Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Aps**LineType** pportApsLineType *Valid values (CLI):* *Option 1 : Working* *Option 2 : Protection*	CvAPSLineType		Read-Only
CVA_Aps**PairedPortId** pportApsPairedPportId	LONG		Read-Only
CVA_Aps**PairedSlotId** pportApsPairedSlotId	LONG		Read-Only
CVA_Aps**Revertive** pportApsRevertiveMode *Not applicable when CVA_ApsLineType is set to Working.*	ApsObj__Config__ CvRevertive	revertiveMode Revertive	Read-Write
CVA_Aps**SdBerExponent** pportApsSdBerThresh	LONG	6	Read-Write
CVA_Aps**SfBerExponent** pportApsSfBerThresh	LONG	3	Read-Write
CVA_Aps**WtrPeriod** pportApsWtrPeriod *Not applicable when CVA_ApsLineType is set to Working.*	LONG	5	Read-Write

AssignedSvcSecScn Attributes

Table 2-2. Assigned SvcSecScn Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_AssignedSvcSecScn**ScreenName** *Mandatory attribute.*	LONG		Read-Only

Table 2-2. Assigned SvcSecScn Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_AssignedSvcSecScn**SecurityAdminStatus** lportSvcSecurityScreenAdminStatus *Mandatory attribute.*	SecScnAdminStatus		Read-Write

Card Attributes

Table 2-3. Card Attributes for the CP Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityCPBasic CPBasic	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardTypeCp Cp	Read-Write
CVA_Card**RedundSlotId** cardRedundSlotId	LONG	0	Read-Write

6-port V.35 Card

Table 2-4. Card Attributes for the 6-port V.35 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType6PortV35 6PortV35	Read-Write

1-port 24-channel T1 Card

Table 2-5. Card Attributes for the 1-port 24-channel T1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1Port24Chan FractT1 1Port24ChanFractT1	Read-Write

1-port 30-channel E1 Card

Table 2-6. Card Attributes for the 1-port 30-channel E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1Port30Chan FractE1 1Port30ChanFractE1	Read-Write
CVA_Card**E1DefinedXface** cardE1DefinedXface	CvE1XfaceType	e1XfaceTypeCoaxPair 75ohm CoaxPair75ohm e1XfaceType150b120 ohm 15Db120ohm	Read-Write
CVA_PerformanceMonitor**T1E1 FifteenMinThresholdEsl** ds1pmThreshEslCurrent	LONG	900	Read-Write

6-port Universal I/O Card

Table 2-7. Card Attributes for the 6-port Universal I/O Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType6PortUio 6PortUio	Read-Write

Table 2-7. Card Attributes for the 6-port Universal I/O Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**UioDefinedXface** cardUioDefinedXface	CvUioXfaceType	uioXfaceTypeV35 V35	Read-Write

8-port Low Speed UIO Card

Table 2-8. Card Attributes for the 8-port Low Speed UIO Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType8PortRs232 8PortRs232	Read-Write
CVA_Card**UioDefinedXface** cardUioDefinedXface	CvUioXfaceType	uioXfaceTypeV24 V24	Read-Write

18-port Low Speed UIO Card

Table 2-9. Card Attributes for the 18-port Low Speed UIO Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType18PortRs232 18PortRs232	Read-Write
CVA_Card**UioDefinedXface** cardUioDefinedXface	CvUioXfaceType	uioXfaceTypeV24 V24	Read-Write

8-port Universal I/O Card

Table 2-10. Card Attributes for the 8-port V.35 I/O Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityFrame Relay FrameRelay	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType8PortUio 8PortUio	Read-Write
CVA_Card**RedundSlotId** cardRedundSlotId	LONG	0	Read-Write
CVA_Card**UioDefinedXface** cardUioDefinedXface	CvUioXfaceType	uioXfaceTypeV35 V35	Read-Write

4-port 24-channel T1 Card

Table 2-11. Card Attributes for the 4-port 24-channel T1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityFrame Relay FrameRelay	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType4Port24Chan FractT1 4Port24ChanFractT1	Read-Write
CVA_Card**RedundSlotId** cardRedundSlotId	LONG	0	Read-Write

4-port 30-channel E1 Card

Table 2-12. Card Attributes for the 4-port 30-channel E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	Frame Relay	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType4Port30ChanFractE1 4Port30ChanFractE1	Read-Write
CVA_Card**E1DefinedXface** cardE1DefinedXface	CvE1XfaceType	e1XfaceTypeCoaxPair75ohm CoaxPair75ohm	Read-Write
CVA_Card**RedundSlotId** cardRedundSlotId	LONG	0	Read-Write

2-port HSSI Card

Table 2-13. Card Attributes for the 2-port HSSI Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityMultiSrv MultiSrv	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType2PortHssi 2PortHssi	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

10-port DSX-1 Card

Table 2-14. Card Attributes for the 10-port DSX-1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityFrame Relay FrameRelay	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType10PortDsx1 10PortDsx1	Read-Write
CVA_Card**Dsx1DefinedXface** cardDsx1DefinedXface	CvDsx1XfaceType	dsx1XfaceTypeRj48 Rj48	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

1-port ATM DS3 UNI Card

Table 2-15. Card Attributes for the 1-port ATM DS3 UNI I/O Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1PortAtmDs3 Uni 1PortAtmDs3Uni	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapability Multisrv MultiSrv	Read-Write

1-port ATM IWU OC3 Card

Table 2-16. Card Attributes for the 1-port ATM IWU OC3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability**	CvCardCapability	cardCapabilityIOP16 MultiSrv16	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1PortAtmIwu Oc3 1PortAtmIwuOc3	Read-Write
CVA_Card**Oc3DefinedXface** cardAtmOc3Interface	CvOc3MediumType	oc3MediumTypeSonet SONET	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

1-port OC12c/STM-4 Card

Table 2-17. Card Attributes for the 1-port ATM IWU OC3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**OC3OC12 FifteenMinThresholdCvl** sonetpmThreshCVLCurrent	LONG	16383	Read-Write
CVA_PerformanceMonitor**OC3OC12 FifteenMinThresholdCvp** sonetpmThreshCVPCurrent	LONG	16383	Read-Write
CVA_PerformanceMonitor**OC3OC12One DayThresholdCvl** sonetpmThreshCVLDay	LONG	1048575	Read-Write
CVA_PerformanceMonitor**OC3OC12SES ThresholdSetting** sonetpmSESThresholdSet	PerformanceMonitor Obj__Config__CvPM SESThresholdSetting	PMSESThresholdSettin gANSI ANSI	Read-Write

Table 2-17. Card Attributes for the 1-port ATM IWU OC3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**OC3OC12OneDayThresholdCvp** sonetpmThreshCVPDay	LONG	1048575	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdCvs** sonetpmThreshCVSCurrent	LONG	16383	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdCvs** sonetpmThreshCVSDay	LONG	1048575	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdEsl** sonetpmThreshESLCurrent	LONG	900	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdEsl** sonetpmThreshESLDay	LONG	65535	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdEsp** sonetpmThreshESPCurrent	LONG	900	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdEsp** sonetpmThreshESPDay	LONG	65535	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdEss** sonetpmThreshESSCurrent	LONG	900	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdEss** sonetpmThreshESSDay	LONG	65535	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdSesl** sonetpmThreshSESLCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdSesl** sonetpmThreshSESLDay	LONG	4095	Read-Write

Table 2-17. Card Attributes for the 1-port ATM IWU OC3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**OC3OC12 FifteenMinThresholdSesp** sonetpmThreshSESPCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12One DayThresholdSesp** sonetpmThreshSESPDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**OC3OC12 FifteenMinThresholdSess** sonetpmThreshSESSCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12One DayThresholdSess** sonetpmThreshSESSDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**OC3OC12 FifteenMinThresholdUasp** sonetpmThreshUASCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12 FifteenMinThresholdUasl** sonetpmThreshUASLCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12One DayThresholdUasl** sonetpmThreshUASLDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**OC3OC12One DayThresholdUasp** sonetpmThreshUASPDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**Threshold Crossing** ds1pmThreshCrossingEnable	PerformanceMonitor Obj__Config__CvPM ThresholdCrossingCtrl	PMThresholdCrossing Disabled Disabled	Read-Write

1-port ATM CS/DS3 Card

Table 2-18. Card Attributes for the 1-port ATM CS/DS3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability**	CvCardCapability	cardCapabilityIOP16 MultiSrv16	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1PortAtmCs Ds3 1PortAtmCsDs3	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

1-port ATM CS/E3 Card

Table 2-19. Card Attributes for the 1-port ATM CS/E3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability**	CvCardCapability	cardCapabilityIOP16 MultiSrv16	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1PortAtmCsE3 1PortAtmCsE3	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

4-port 24-channel Unchannelized T1 Card

Table 2-20. Card Attributes for the 4-port 24-channel Unchannelized T1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	Frame Relay	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType4Port24Chan UnchanT1 4Port24ChanUnchanT1	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

4-port 30-channel Unchannelized E1 Card

Table 2-21. Card Attributes for the 4-port 30-channel Unchannelized E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	Frame Relay	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType4Port30Chan UnchanE1 4Port30ChanUnchanE1	Read-Write
CVA_Card**E1DefinedXface** cardE1DefinedXface	CvE1XfaceType	e1XfaceTypeCoaxPair 75ohm CoaxPair75ohm	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

12-port Unchannelized E1 Card

Table 2-22. Card Attributes for the 12-port Unchannelized E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityIOP16 MultiSrv16	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType12PortE1 12PortE1	Read-Write
CVA_Card**E1DefinedXface** cardE1DefinedXface	CvE1XfaceType	e1XfaceTypeCoaxPair 75ohm CoaxPair75ohm	Read-Write
CVA_Card**IomClockSource** cardExtClockSource	CvCardIomClock Source	E1G703sec10 e1G703sec10	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

4-port 24-channel DSX Card

Table 2-23. Card Attributes for the 4-port 24-channel DSX Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityFrame Relay FrameRelay	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType4Port24Chan SHT1 4Port24ChanSHT1	Read-Write

Table 2-23. Card Attributes for the 4-port 24-channel DSX Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

1-port ATM E3 UNI Card

Table 2-24. Card Attributes for the 1-port ATM E3 UNI I/O Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityMultiSrv MultiSrv	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1PortAtmE3 Uni 1PortAtmE3Uni	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

1-port 28-channel DS3 Card

Table 2-25. Card Attributes for the 1-port 28-channel DS3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**Capability** cardCapability	CvCardCapability	cardCapabilityMultiSrv MultiSrv	Read-Write

Table 2-25. Card Attributes for the 1-port 28-channel DS3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1PortFractT3 1Port28ChanDs3	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG		Read-Write

SP10 Card

Table 2-26. Card Attributes for the SP10 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**DefinedType** cardDefinedType *Slots 3-6 and 13-16 must be empty for this type of SP.*	CvCardType	cardTypeSp4 SP10	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

SP20 Card

Table 2-27. Card Attributes for the SP20 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardTypeSp8 SP20	Read-Write

Table 2-27. Card Attributes for the SP20 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

SP30 Card

Table 2-28. Card Attributes for the SP30 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardTypeSp8 SP20	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

SP40 Card

Table 2-29. Card Attributes for the SP40 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardTypeSp8 SP20	Read-Write
CVA_Card**RedundSlotId** cardReduntSlotId	LONG	0	Read-Write

6-Port DS3 Frame Relay

Table 2-30. Card Attributes for the 6-Port DS3 Frame Relay

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType6PortDS3T3 6PortDS3T3	Read-Only
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType6PortDS3T32FwdEngs 6PortDS3T32FwdEngs	Read-Only
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp	Read-Write
CVA_Card**IomClockSource** cardExtClockSource	CvIomClockSource	cardClockPrefSys PreSys	Read-Write
CVA_Card**PrimSysClockPort** cardPrimSysClockPort	LONG	0	Read-Write
CVA_Card**SecSysClockPort** cardSecSysClockPort	LONG	0	Read-Write

8-port DS3 Card

Table 2-31. Card Attributes for the 8-port DS3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**AtmFcp** cardAtmFcp *Once you reset this attribute, you must use PRAM to synchronize the database and switch.*	CvNrtsDaughterCard	nrtsDaughterCard Disabled Disable	Read-Write

Table 2-31. Card Attributes for the 8-port DS3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**BcmProtocolId** cardBcmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	5	Read-Write
CVA_Card**CcrmProtocolId** cardCcrmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	6	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType8PortAtmDS3 8PortAtmDs3	Read-Write
CVA_Card**IomClockSource** cardExtClockSource	CvIomClockSource	cardClockPrefSys PreSys	Read-Write
CVA_Card**IcrConst** cardIcrConst *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**IdleVcFactor** cardIdleVcFactor *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**MngVBRnrtTraffic** cardMngVBRnrtTraffic *Use this attribute only when CVA_CardAtmFcp is enabled.*	CvNrtsManageVBRnrt Traffic	manageVBRnrtTraffic Disabled Disable	Read-Write
CVA_Card**MultiDiscardThresh** cardMultiDiscardThresh *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	1024	Read-Write
CVA_Card**PrimSysClockPort** cardPrimSysClockPort	LONG	0	Read-Write
CVA_Card**RmXmitInterval** cardRmXmitInterval *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	100	Read-Write

Table 2-31. Card Attributes for the 8-port DS3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**SecSysClockPort** cardSecSysClockPort	LONG	0	Read-Write
CVA_Card**StatsCapPeakClt** cardStatsCapPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCapTotalClt** cardStatsCapTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCltPeriod** cardStatsCltPeriod	CvCollectPeriod	cvCollectPeriod1Hour 1Hr	Read-Write

8-port E3 Card

Table 2-32. Card Attributes for the 8-port E3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**AtmFcp** cardAtmFcp *Once you reset this attribute, you must use PRAM to synchronize the database and switch.*	CvNrtsDaughterCard	nrtsDaughterCard Disabled Disable	Read-Write
CVA_Card**BcmProtocolId** cardBcmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	5	Read-Write
CVA_Card**CcrmProtocolId** cardCcrmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	6	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType8PortE3Atm DS3 8PortE3AtmDs3	Read-Write

Table 2-32. Card Attributes for the 8-port E3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**IomClockSource** cardExtClockSource	CvIomClockSource	cardClockPrefSys PreSys	Read-Write
CVA_Card**IcrConst** cardIcrConst *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**IdleVcFactor** cardIdleVcFactor *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**MngVBRnrtTraffic** cardMngVBRnrtTraffic *Use this attribute only when CVA_CardAtmFcp is enabled.*	CvNrtsManageVBRnrt Traffic	manageVBRnrtTraffic Disabled Disable	Read-Write
CVA_Card**MultiDiscardThresh** cardMultiDiscardThresh *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	1024	Read-Write
CVA_Card**PrimSysClockPort** cardPrimSysClockPort	LONG	0	Read-Write
CVA_Card**RmXmitInterval** cardRmXmitInterval *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	100	Read-Write
CVA_Card**SecSysClockPort** cardSecSysClockPort	LONG	0	Read-Write
CVA_Card**StatsCapPeakClt** cardStatsCapPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCapTotalClt** cardStatsCapTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCltPeriod** cardStatsCltPeriod	CvCollectPeriod	cvCollectPeriod1Hour 1Hr	Read-Write

Table 2-32. Card Attributes for the 8-port E3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**StatsOperPeakClt** cardStatsOperPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsOperTotalClt** cardStatsOperTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write

4-port OC-3c/STM-1 Card

Table 2-33. Card Attributes for the 4-port OC-3c/STM-1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**AtmFcp** cardAtmFcp *Once you reset this attribute, you must use PRAM to synchronize the database and switch.*	CvNrtsDaughterCard	nrtsDaughterCard Disabled Disabled	Read-Write
CVA_Card**BcmProtocolId** cardBcmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	5	Read-Write
CVA_Card**CcrmProtocolId** cardCcrmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	6	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType4PortAtmOc3 Stm1 4PortAtmOc3Stm1	Read-Write
CVA_Card**IomClockSource** cardExtClockSource	CvIomClockSource	cardClockPrefSys PreSys	Read-Write

Table 2-33. Card Attributes for the 4-port OC-3c/STM-1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**IcrConst** cardIcrConst *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**IdleVcFactor** cardIdleVcFactor *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**MngVBRnrtTraffic** cardMngVBRnrtTraffic *Use this attribute only when CVA_CardAtmFcp is enabled.*	CvNrtsManageVBRnrt Traffic	manageVBRnrtTraffic Disabled Disable	Read-Write
CVA_Card**MultiDiscardThresh** cardMultiDiscardThresh *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	1024	Read-Write
CVA_Card**PrimSysClockPort** cardPrimSysClockPort	LONG	0	Read-Write
CVA_Card**RmXmitInterval** cardRmXmitInterval *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	100	Read-Write
CVA_Card**SecSysClockPort** cardSecSysClockPort	LONG	0	Read-Write
CVA_Card**StatsCapPeakClt** cardStatsCapPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCapTotalClt** cardStatsCapTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCltPeriod** cardStatsCltPeriod	CvCollectPeriod	cvCollectPeriod1Hour 1Hr	Read-Write
CVA_Card**StatsOperPeakClt** cardStatsOperPeakClt	CvBulkStatSetting	cardBulkStatsDisabled Disabled	Read-Write

Table 2-33. Card Attributes for the 4-port OC-3c/STM-1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**StatsOperTotalClt** cardStatsOperTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**TpzOc3DefinedXface** cardTpzOc3DefinedXface	CvOc3XfaceTypeEnum	oc3XfMultimode Multimode	Read-Write

1-port OC-12c/STM-4 Card

Table 2-34. Card Attributes for the 1-port OC-12c/STM-4 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**AtmFcp** cardAtmFcp *Once you reset this attribute, you must use PRAM to synchronize the database and switch.*	CvNrtsDaughterCard	nrtsDaughterCard Disabled Disabled	Read-Write
CVA_Card**BcmProtocolId** cardBcmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	5	Read-Write
CVA_Card**CcrmProtocolId** cardCcrmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	6	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType1PortAtmOc12 Stm4 1PortAtmOc12Stm4	Read-Write
CVA_Card**IomClockSource** cardExtClockSource	CvIomClockSource	cardClockPrefSys PreSys	Read-Write

Table 2-34. Card Attributes for the 1-port OC-12c/STM-4 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**IcrConst** cardIcrConst *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**IdleVcFactor** cardIdleVcFactor *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**MngVBRnrtTraffic** cardMngVBRnrtTraffic *Use this attribute only when CVA_CardAtmFcp is enabled.*	CvNrtsManageVBRnrt Traffic	manageVBRnrtTraffic Disabled Disable	Read-Write
CVA_Card**MultiDiscardThresh** cardMultiDiscardThresh *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	1024	Read-Write
CVA_Card**Oc12DefinedXface** cardOc12DefinedXface	CvOc12XfaceType Enum	oc12XfSinglemode Singlemode	Read-Write
CVA_Card**PrimSysClockPort** cardPrimSysClockPort	LONG	0	Read-Write
CVA_Card**RmXmitInterval** cardRmXmitInterval *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	100	Read-Write
CVA_Card**SecSysClockPort** cardSecSysClockPort	LONG	0	Read-Write
CVA_Card**StatsCapPeakClt** cardStatsCapPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCapTotalClt** cardStatsCapTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCltPeriod** cardStatsCltPeriod	CvCollectPeriod	cvCollectPeriod1Hour 1Hr	Read-Write

Table 2-34. Card Attributes for the 1-port OC-12c/STM-4 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**StatsOperPeakClt** cardStatsOperPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsOperTotalClt** cardStatsOperTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write

8-port T1 Card

Table 2-35. Card Attributes for the 8-port T1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**AtmFcp** cardAtmFcp *Once you reset this attribute, you must use PRAM to synchronize the database and switch.*	CvNrtsDaughterCard	nrtsDaughterCard Disabled Disabled	Read-Write
CVA_Card**BcmProtocolId** cardBcmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	5	Read-Write
CVA_Card**CcrmProtocolId** cardCcrmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	6	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType8PortT1 8PortT1	Read-Write
CVA_Card**IomClockSource** cardExtClockSource	CvIomClockSource	cardClockPrefSys PreSys	Read-Write

Table 2-35. Card Attributes for the 8-port T1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**IcrConst** cardIcrConst *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**IdleVcFactor** cardIdleVcFactor *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**MngVBRnrtTraffic** cardMngVBRnrtTraffic *Use this attribute only when CVA_CardAtmFcp is enabled.*	CvNrtsManageVBRnrt Traffic	manageVBRnrtTraffic Disabled Disable	Read-Write
CVA_Card**MultiDiscardThresh** cardMultiDiscardThresh *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	1024	Read-Write
CVA_Card**PrimSysClockPort** cardPrimSysClockPort	LONG	0	Read-Write
CVA_Card**RmXmitInterval** cardRmXmitInterval *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	100	Read-Write
CVA_Card**SecSysClockPort** cardSecSysClockPort	LONG	0	Read-Write
CVA_Card**StatsCapPeakClt** cardStatsCapPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCapTotalClt** cardStatsCapTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCltPeriod** cardStatsCltPeriod	CvCollectPeriod	cvCollectPeriod1Hour 1Hr	Read-Write
CVA_Card**StatsOperPeakClt** cardStatsOperPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write

Table 2-35. Card Attributes for the 8-port T1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**StatsOperTotalClt** cardStatsOperTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write

8-port E1 Card

Table 2-36. Card Attributes for the 8-port E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**AtmFcp** cardAtmFcp *Once you reset this attribute, you must use PRAM to synchronize the database and switch.*	CvNrtsDaughterCard	nrtsDaughterCard Disabled Disabled	Read-Write
CVA_Card**BcmProtocolId** cardBcmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	5	Read-Write
CVA_Card**CcrmProtocolId** cardCcrmProtocolId *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	6	Read-Write
CVA_Card**DefinedType** cardDefinedType	CvCardType	cardType8PortE1 8PortE1	Read-Write
CVA_Card**E1DefinedXface** cardE1DefinedXface	CvE1XfaceType	e1XfaceType75n8 8portE1CoaxPair75ohm	Read-Write
CVA_Card**IomClockSource** cardExtClockSource	CvIomClockSource	cardClockPrefSys PreSys	Read-Write

Table 2-36. Card Attributes for the 8-port E1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**IcrConst** cardIcrConst *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**IdleVcFactor** cardIdleVcFactor *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	8	Read-Write
CVA_Card**MngVBRnrtTraffic** cardMngVBRnrtTraffic *Use this attribute only when CVA_CardAtmFcp is enabled.*	CvNrtsManageVBRnrt Traffic	manageVBRnrtTraffic Disabled Disable	Read-Write
CVA_Card**MultiDiscardThresh** cardMultiDiscardThresh *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	1024	Read-Write
CVA_Card**PrimSysClockPort** cardPrimSysClockPort	LONG	0	Read-Write
CVA_Card**RedundSlotId** cardRedundSlotId	LONG	0	Read-Write
CVA_Card**RmXmitInterval** cardRmXmitInterval *Use this attribute only when CVA_CardAtmFcp is enabled.*	LONG	100	Read-Write
CVA_Card**SecSysClockPort** cardSecSysClockPort	LONG	0	Read-Write
CVA_Card**StatsCapPeakClt** cardStatsCapPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCapTotalClt** cardStatsCapTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsCltPeriod** cardStatsCltPeriod	CvCollectPeriod	cvCollectPeriod1Hour 1Hr	Read-Write

Table 2-36. Card Attributes for the 8-port E1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**StatsOperPeakClt** cardStatsOperPeakClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write
CVA_Card**StatsOperTotalClt** cardStatsOperTotalClt	CvBulkStatsSetting	cardBulkStatsDisabled Disabled	Read-Write

1-port E1 Card

Table 2-37. Card Attributes for the 1-port E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**DefinedType** cardDefinedType *Invalid for add operation.*	CvCardType	cardTypeEmpty	Read-Write
CVA_Card**RedundSlotId** cardRedundSlotId	LONG	0	Read-Write

1-port Channelized DS3-1-0 Card

Table 2-38. Card Attributes for the 1-port Channelized DS3-1-0 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**DefinedType** cardDefinedType *Invalid for add operation.*	CvCardType	cardType1PprtChanDS3 10 1PortChanDS3-1-0	Read-Write

Table 2-38. Card Attributes for the 1-port Channelized DS3-1-0 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**RedundSlotId** cardRedundSlotId	LONG	0	Read-Write

Card Attributes

Table 2-39. Card Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**AdminStatus** cardAdminStatus	CvCardAdminStatus	cardAdminUp Up	Read-Write
CVA_Card**TcaIomEnable** cardATMTcaEnable *Applies to ATM cards on a CBX switch only.*	CvCardTcaStatus	cvCardTcaDisable tcaDisable	Read-Write
CVA_Card**TcaIomIngBufOflwTim** cardATMTcaInBufOverflowAlertPeriod *Applies to ATM cards on a CBX switch only.*	INTEGER	15	Read-Write
CVA_Card**TcaIomIngBufOflwThr** cardATMTcaInBufOverflowThresh *Applies to ATM cards on a CBX switch only.*	INTEGER	1	Read-Write
CVA_Card**TcaIomIngInvVpiVciTim** cardATMTcaInInvalidVpiVciAlertPeriod *Applies to ATM cards on a CBX switch only.*	INTEGER	15	Read-Write
CVA_Card**TcaIomIngInvVpiVciThr** cardATMTcaInInvalidVpiVciThresh *Applies to ATM cards on a CBX switch only.*	INTEGER	1	Read-Write
CVA_Card**VpCLP01CbrThresh** cardVpCLP01CbrThresh *Applies to CBX 500 only.*	INTEGER	128	Read-Write

Table 2-39. Card Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Card**VpCLP01UabrThresh** cardVpCLP01UabrThresh *Applies only to ATM cards on a CBX 500 switch.*	INTEGER	3072 OC3: 8192 OC12: 41472	Read-Write
CVA_Card**VpCLP01VbrNrtThresh** cardVpCLP01VbrNrtThresh *Applies only to ATM cards on a CBX 500 switch.*	INTEGER	1024	Read-Write
CVA_Card**VpCLP01VbrRtThresh** *Applies only to ATM cards on a CBX 500 switch.*	INTEGER	1024	Read-Write
CVA_Card**VpCLP0CbrThresh** cardVpCLP0CbrThresh *Applies only to ATM cards on a CBX 500 switch.*	INTEGER	256	Read-Write
CVA_Card**VpCLP0UabrThresh** cardVpCLP0UabrThresh *Applies only to ATM cards on a CBX 500 switch.*	INTEGER	4864 OC3: 13056 OC12: 62208	Read-Write
CVA_Card**VpCLP0VbrNrtThresh** cardVpCLP0VbrNrtThresh *Applies only to ATM cards on a CBX 500 switch.*	INTEGER	1536	Read-Write
CVA_Card**VpCLP0VbrRtThresh** cardVpCLP0VbrRtThresh *Applies only to ATM cards on a CBX 500 switch.*	INTEGER	1536	Read-Write

Channel Attributes

Table 2-40. Channel Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Channel**AlarmClear** channelAlarmClear	INTEGER	10000	Read-Write
CVA_Channel**AlarmFailure** channelAlarmFailure	INTEGER	2500	Read-Write
CVA_Channel**AllocatedChannelCount** ds1ChannelAllocatedDs0ChannelCount	INTEGER	24	Read-Only
CVA_Channel**AllocatedChannels** ds1ChannelAllocatedDs0Channels	INTEGER	16777215	Read-Write
CVA_Channel**AllocatedChannels** ds1ChannelAllocatedDs0Channels *This attribute is specified as a 24-bit bit mask, indicating which DS0s are allocated for use by LPorts.*	INTEGER	0	Read-Write
CVA_Channel**ChannelAdminStatus** ds1ChannelAdminStatus	CvChannelAdminStatus	channelAdminUp Up	Read-Write
CVA_Channel**ChannelType** ds1ChannelChannelType	CvCardType	cardType1PortFractT3 1Port28ChanDs3	Read-Only
CVA_Channel**ChannelType** ds1ChannelChannelType	CvCardType	cardType1PortChanDs310 1PortChanDs310	Read-Only
CVA_Channel**ClockSource** ds1ChannelClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_Channel**Ds1LoopBackCodeType** ds1ChannelDs1LoopbackCodeType	CvDs1LoopbackCode Type	ds1CSULoopback CSU	Read-Write
CVA_Channel**ExtClockBackup** ds1ChannelExtClockBackup *Not supported on the 4-port channelized DS3 card.*	CvChanExtClock Backup	chanExtClockBackup LoopTimed LoopTimed	Read-Write
CVA_Channel**LinkFraming** ds1ChannelLinkFraming	CvLinkFraming	ds1LinkFramingEsf Ccitt EsfCcitt	Read-Write

Table 2-40. Channel Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Channel**ZeroCoding** ds1ChannelZeroCoding *Not supported on the 4-port channelized DS3 card.*	CvChDs3ZeroCoding	ds1ZeroCodingCChan Nx64	Read-Write

Circuit Attributes (see "Point to Point Circuit Attributes")

Circuit Defined Path Attributes

Table 2-41. Circuit Defined Path Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_DefinedPath**AltPathEnabled** circuitAltPathEnabled	CvAltPathStatus	cvAltPathDisabled	Read-Write
CVA_DefinedPath**PathList** circuitDefinedPath *Configurable OSPF Admin Cost*	ObjectList	NULL	Read-Write
CVA_DefinedPath**DefinedPathEnabled** circuitDefinedPathEnabled	CvDefinedPathStatus	cvDefinedPathDisabled	Read-Write

Customer Attributes

Table 2-42. Customer Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Customer**Comments** customerComments *Additional comments.*	STRING		Read-Write
CVA_Customer**ContactInfo** customerContactInfo *The contact of the customer (length < 100 chars). Currently only implemented in B-STDX switches.*	STRING		Read-Write
CVA_Customer**Id** customerId *Mandatory attribute.* *The integer representation of a customer, used by switch. Currently only implemented in B-STDX switches.*	INTEGER		Create-Only
CVA_Customer**Name** customerName *A string name derived from the object ID (length < 32 chars). Currently only implemented in B-STDX switches.*	STRING		Read-Only
CVA_Customer**PhoneNumber** customerPhoneNumber *The phone number of the customer.*	STRING		Read-Write
CVA_Customer**VpnName** customerVPNName *The VPN name associated with the customer. Must be an existing VPN name in the same network. Currently only implemented in B-STDX switches.*	STRING		Read-Write

Diagnostic Attributes

NavisXtend Provisioning Server provides the following diagnostic operations:

startDiag — Starts diagnostics on the switch.

getDiag — Retreives diagnostic results, such as loopbackstatus and errorcount.

updateDiag — Changes diagnostic parameters, such as injecterror and clearcounter.

stopDiag — Stops the diagnostics on the switch.

These diagnostic operations run on the Channel, Circuit, LPort, and PPort objects, as shown in Table 2-43.

Table 2-43. Object Diagnostic Operations

Object Type	Supported Operations
Channel	startDiag, getDiag, updateDiag, stopDiag
Circuit	startDiag, getDiag, stopDiag
Lport	startDiag, getDiag, updateDiag, stopDiag
Pport	startDiag, getDiag, updateDiag, stopDiag

Table 2-44 describes the supported diagnostic attributes for each object type.

Table 2-44. Diagnostic Attribute Descriptions

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
PPort Object			
CVA_Pport**DiagBertBitCount** pportDiagBertBitCount *Applicable only for pport on 12 port E1 card (B-STDX) only.*	LONG		Read-Only
CVA_Pport**DiagBertErrorCount** pportDiagBertErrorCount *Applicable only for pport on 12 port E1 card (B-STDX) only.*	LONG		Read-Only

Table 2-44. Diagnostic Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Pport**DiagBertPattern** pportDiagBertPattern *Applicable only for pport on 12 port E1 card (B-STDX).*	CvBertPattern	xbertPtnAllZeros	Read-Write
CVA_Pport**DiagBertStatus** pportDiagBertStatus *Applicable only for pport on 12 port E1 card (B-STDX) only.*	CvChanXBertStatus		Read-Only
CVA_Pport**DiagBertUserPatternBytes** pportDiagBertUserPatternBytes *Applicable only for pport on 12 port E1 card (B-STDX) only.*	HEX STRING	N/A	Read-Write
CVA_Pport**DiagDS1NearEndLoopback Type** pportDiagDS1NearEndLoopbackType *Applicable only for pport on 12 port E1 card (B-STDX) only.*	CvDs1NearEndLoop Config	ds1ClearLoop	Read-Write
CVA_Pport**DiagFailReason**	STRING		Read-Only
CVA_Pport**DiagLoopbackStatus** pportDiagLoopbackStatus *Applicable only for pport on 12 port E1 card (B-STDX) only.*	PPortLoopStatus		Read-Only
CVA_Pport**DiagTestResult** pportDiagTestResult	STRING		Read-Only
CVA_PPort**DiagTestType** pportDiagTestType pportDiagTestType	CvPPortDiagType	N/A	Read-Write
Channel Object (1portChDs3, 1portChDs3-1-0, and 4portChDs3 cards)			
CVA_Channel**DiagBertBitCount** channelDiagBertBitCount *Does not apply to channel on 1portDs310card.*	LONG		Read-Only

Table 2-44. Diagnostic Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Channel**DiagBertErrorCount** channelDiagBertErrorCount *Does not apply to channel on 1portDs310card.*	LONG		Read-Only
CVA_Channel**DiagBertPattern** channelDiagBertPattern *Does not apply to channel on 1portDs310card.*	CvBertPattern	xbertPtnAllZeros	Read-Write
CVA_Channel**DiagBertPatternDetected** channelDiagBertPatternDetected *Does not apply to channel on 1portDs310card.*	STRING		Read-Only
CVA_Channel**DiagBertStatus** channelDiagBertStatus *Does not apply to channel on 1portDs310card.*	CvBertStatus		Read-Only
CVA_Channel**DiagBertUserPattern Bytes** channelDiagBertUserBytes *Does not apply to channel on 1portDs310card.*	HEX STRING		Read-Write
CVA_Channel**DiagNearEndLoopback Status** channelDiagNearEndLoopbackStatus	CvDs1NearEndLoop Status		Read-Only
CVA_Channel**DiagFarEndLoopback Type** channelDiagFarEndLoopbackType	CvDs1SendCode	ds1SendNoCode	Read-Write
CVA_Channel**DiagFarEndLoopback Status** channelDiagFarEndLoopbackStatus	CvDs1SendCode		Read-Only
CVA_Channel**DiagNearEndLoopback Type** channelDiagNearEndLoopbackType	CvDs1NearEndLoop Config	ds1ClearLoop	Read-Write
CVA_Channel**DiagTestType** channelDiagTestType	CvChannelDiagType	N/A	Read-Write

Table 2-44. Diagnostic Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
Lport Object			
CVA_Lport**DiagActivateFarEndDs0Lpbk** lportDiagActivateDs0FarEndLpbk *Applies only if testtype is FarEnd and there is only one ds0 configured on the LPort.*	LPortDiagActivateFarEndDs0Lpbk	lportActivateFarEndDs0LpbkNo	Read-Write
CVA_Lport**DiagBertBitCount** lportDiagBertBitCount *Available for an LPort on 1portDs310card.*	LONG		Read-Only
CVA_ Lport**DiagBertErrCount** lportDiagBertErrCount *Available for an LPort on 1portDs310card.*	LONG		Read-Only
CVA_ Lport**DiagBertPattern** lportDiagBertPattern *Applies only if testtype is Bert.*	CvBertPattern	xbertPtnAllzeros	Read-Write
CVA_ Lport**DiagBertPatternDetected** lportDiagBertPatternDetected *Available for an LPort on 1portDs310card.*	LONG		Read-Only
CVA_ Lport**DiagBertStatus** lportDiagBertStatus	CvChanXBertStatus		Read-Only
CVA_Lport**DiagBertUserPatternBytes** lportDiagBertUserPatternBytes *Applies only if testtype is Bert and Pattern is set to a user string.*	HEX STRING		Read-Write
CVA_LPort**DiagDS0AllocatedChannels** lportDiagDs0AllocatedChannels *This attribute is mandatory if the test is NearEnd, FarEnd, or Bert.*	LONG		Read-Write

Table 2-44. Diagnostic Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Lport**DiagDS0FarEndLoopback BitStuffing** lportDiagDs0FarEndBitStuffing *Applies only if testtype is FarEnd and LportDiagActivateFarEndDs0Lpbk is set to "yes."*	DS0BitStuff	Same as bitStuffing on lport	Read-Only
CVA_LPort**DiagDS0FarEndLoopback NumOfMidSpanRepeater** lportDiagDs0FarEndNumOfMidSpan Repeater *Applies only if testtype is FarEnd and LoopbackType is CSU and LportDiagActivateFarEndDs0Lpbk is set to "yes."*	LONG	0	Read-Write
CVA_LPort**DiagDS0FarEndLoopback Type** lportDiagDs0FarEndLoopbackType *Applies only if testtype is FarEnd and LportDiagActivateFarEndDs0Lpbk is set to "yes."*	DS0FarEndLbType	ds0FarEndLbCSU	Read-Write
CVA_ Lport**DiagFailReason** lportDiagFailReason	STRING		Read-Only
CVA_Lport**DiagLoopbackStatus** lportDiagLoopbackStatus	CvLPortLoopStatus		Read-Only
CVA_Lport**DiagTestResult** lportDiagTestResult	STRING		Read-Only
CVA_LPort**DiagDS0FarEndTestPattern SyncStatus** lportDiagDs0FarEndTestPatternSync Status	LONG		Read-Only
CVA_LPort**DiagDS0FarEndTestBit ErrorCount** lportDiagDs0FarEndTestBitErrorCount	LONG		Read-Only
CVA_Lport**DiagDS0FarEndTestError FreeSeconds** lportDiagDs0FarEndTestErrorFree Seconds	LONG		Read-Only

Table 2-44. Diagnostic Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Lport**DiagDS0FarEndTestErrored Seconds** lportDiagDs0FarEndTestErroredSeconds	LONG		Read-Only
CVA_Lport**DiagTestType** lportDiagTestType	CvLPortDiagType		Read-Write
Circuit Object			
CVA_Ckt**OamDiagHopCount** circuitOamDiagLoopbackHops	LONG	If direction is remote and type is segment, the default is 1; otherwise, the defaults are 0 and Read-Only.	Read-Write
CVA_Ckt**OamDiagLoopbackDirection** circuitOamDiagLoopbackDirection	CvAtmOamLoopback Direction	cvAtmOamLBDirLocal If one of the endpoints is MPVC or FR, this attribute is Read-Only. If the endpoint1 is MPVC and source is 1. If endpoint2 is MPVC and source is 2, default is cvAtmOamLBDir Remote.	Read-Write
CVA_Ckt**OamDiagLoopbackSource** circuitOamDiagLoopbackSource	LONG	If one endpoint is Frame Relay, it defaults to the opposite endpoint and is Read-Only; otherwise, the default is 1.	Read-Write
CVA_Ckt**OamDiagLoopbackType** circuitOamDiagLoopbackType	CvAtmOamLoopbackT ype	cvAtmOamLPTypeEnd ToEnd	Read-Write
CVA_Ckt**OamDiagNumberOAMCells** circuitOamDiagNumberOAMCells	LONG	10	Read-Write
CVA_Ckt**OamDiagResponseAverage Time** circuitOamDiagLoopbackReceivedAvg	LONG		Read-Only
CVA_Ckt**OamDiagResponseHighest Time** circuitOamDiagLoopbackReceivedHigh	LONG		Read-Only

Table 2-44. Diagnostic Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Ckt**OamDiagResponseLowestTime** circuitOamDiagLoopbackReceivedLow	LONG		Read-Only
CVA_Ckt**OamDiagResponseReceived** circuitOamDiagLoopbackReceived	LONG		Read-Only
CVA_Ckt**OamDiagResponseTimedout** circuitOamDiagLoopbackTimeouts	LONG		Read-Only

LPort Attributes

The tables in this section list and describe the attributes supported for the various LPorts. Table 2-45 identifies the attributes for the Frame Relay, Others, SMDS, and MLFR LPorts. Table 2-46 identifies the attributes for the ATM LPorts. Table 2-47 provides the following information about each NavisXtend Provisioning Server LPort attribute:

- API, CLI, and MIB names for the attribute.
- Data type.
- Default value.
- Access rights.
- Comments.

LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Table 2-45 identifies the attributes supported by Frame Relay, Others, SMDS, and MLFR LPorts.

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**AbsoluteThreshold** lportAdminFrAbsThreshold	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓
CVA_LPort**AddrSameAsUni** lportAtmBillingAddrSameAsUni	✓	✓	✓										
CVA_LPort**AdminStatus** lportAdminAdminStatus	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**AlarmTimerThreshold** lportAtmOamAlarmTimerThreshold													
CVA_LPort**AllowVfrRtNegative** lPortAllowVfrRtNegative				✓	✓								
CVA_LPort**AmberReductionPm** lportAdminFrAmberPm	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**AmberReductionPs** lportAdminFrAmberPs	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**AtmBurstTolerance** lportAtmAtmBurstTolerance													
CVA_LPort**AtmPcqIndex** lportAtmAtmPcqIndex													

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**AtmPeakCellRate** lportAtmAtmPeakCellRate													
CVA_LPort**AtmProtocol** lportAtmAtmProtocolType													
CVA_LPort**AtmSustainCellRate** lportAtmAtmSustainCellRate													
CVA_LPort**AtmType** lportAtmAtmType													
CVA_LPort**BackupServiceName** lportAdminCanBackupServiceNames	✓	✓	✓										
CVA_LPort**BadPvcFactor** lportAdminFrBadPvcFactor	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**Bandwidth** lportAdminBandwidth	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**BeRoutingFactor1** lportFrBeRoutingFactors1	✓	✓	✓										
CVA_LPort**BeRoutingFactor2** lportFrBeRoutingFactors2	✓	✓	✓										
CVA_LPort**Billing** lportAdminBilling								✓	✓				
CVA_LPort**BitStuffing** lportAdminBitStuffing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**CallAdminControl** lportAtmAtmCallAdmControl													
CVA_LPort**CallAdmissCtrl** lportFrCallAdmissCtrl	✓	✓	✓										
CVA_LPort**CarrierId** lportAtmBillingCarrierId	✓	✓	✓										
CVA_LPort**CbrPercentage** lportAtmCbrBwAlloc													
CVA_LPort**CbrRoutingMetric** lportAtmCbrRouteMetric													
CVA_LPort**CbrUtilFactor** lportAtmCbrBwOversub													
CVA_LPort**Cdv** lportAdminCdv													
CVA_LPort**CellHeadFormat** lportAtmCellHeadFormat													
CVA_LPort**CheckInterval** lportAdminCheckInterval	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**CircuitAlarmEnabled** lportAtmOamCircuitAlarms													
CVA_Lport**CirPolicingEnabled** lportFrCirPolicingEnabled	✓	✓	✓										

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**ClearDelay** lportAdminClearDelay	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**ClosedLoop** lportAdminClosedLoop	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**Clp01Thresh** lportAtmFcpClp01Thresh													
CVA_LPort**CongestionThreshold** lportAdminCongestionThreshold	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓
CVA_LPort**ConnectionType** lportAtmAtmConnType													
CVA_LPort**CllmAdminState** lportFrCllmAdminState	✓	✓	✓										
CVA_LPort**CllmInterval** lportFrCllmInterval	✓	✓	✓										
CVA_LPort**CllmThreshMild** lportFrCllmThresholdMild	✓	✓	✓										
CVA_LPort**CllmThreshNone** lportFrCllmThresholdNone	✓	✓	✓										
CVA_LPort**ConnectionClass** lportAtmConnectionClass													
CVA_LPort**CrcChecking** lportAdminCrcChecking	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**CtrlUpcFunction** lportAtmCtrlUpcFunction													
CVA_LPort**CustomerName** lportAdminCustomerName	✓	✓	✓			✓	✓						
CVA_LPort**DceErrorThreshold** lportFrDceErrorThreshold	✓		✓										
CVA_LPort**DceEventCount** lportFrDceEventCount	✓		✓										
CVA_LPort**DceVerifTimer** lportFrDcePollVerifTimer	✓		✓										
CVA_LPort**DefaultUniAddrAsc** lportFrBillingDefaultUniAddrAsc	✓	✓	✓										
CVA_LPort**DefaultUniAddrFormat** lportFrBillingDefaultUniAddrFormat	✓	✓	✓										
CVA_LPort**DefaultUniAddrPrefix** lportFrBillingDefaultUniAddrPrefix	✓	✓	✓										
CVA_LPort**DiscardThresh** lportAtmFcpDiscardThresh													
CVA_LPort**DteErrorThreshold** lportFrDteErrorThreshold		✓	✓										
CVA_LPort**DteEventCount** lportFrDteEventCount		✓	✓										

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**DteFullPollCounter** lportFrDteFullPollCounter		✓	✓										
CVA_LPort**DtePollTimer** lportFrDtePollTimer		✓	✓										
CVA_LPort**DtePrefixScreenMode** lportAtmIlmiDteScreenMode													
CVA_LPort**EfciBitCheck** lportAtmFcpEfciBitCheck													
CVA_LPort**EfciThresh** lportAtmFcpEfciThresh													
CVA_LPort**EgressDeClpBitMap** lportAtmEgressDeClpBitMap													
CVA_LPort**EgressFecnEfciBitMap** lportAtmEgressFecnEfciBitMap													
CVA_LPort**ErrorCheckFlag** lportSmdsProtocolErrorChecking								✓	✓	✓			
CVA_LPort**ErrorPerMinThreshold** lportAdminErrorPerMinThreshold	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓
CVA_LPort**FrAcctSvcControlOrig** lportFrBillingSvcAccountingOrig	✓	✓	✓										
CVA_LPort**FrAcctSvcControlTerm** lportFrBillingSvcAccountingTerm	✓	✓	✓										

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**FractionalDs0s** lportAdminFractionalDs0s	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓
CVA_LPort**FrameRelayType** lportFrFrameRelayType	✓	✓	✓	✓									
CVA_LPort**FrBillUsage Measurement** lportFrBillingUsageMeasure	✓	✓	✓										
CVA_LPort**GenPtMultiPt** lportAtmBillingGenPtMultiPt													
CVA_LPort**GenPtPt** lportAtmBillingGenPtPt													
CVA_LPort**GenUnsuccess** lportAtmBillingGenUnsuccess	✓	✓	✓										
CVA_LPort**HeartBPFlag** lportSmdsSupportHeartBeatPoll								✓	✓	✓			
CVA_LPort**HeartBPInterval** lportSmdsHeartBeatPollInterval								✓	✓	✓			
CVA_LPort**HeartBPNAThresh** lportSmdsHeartBeatPollNaThreshold								✓	✓	✓			
CVA_LPort**IfIndex** lportAdminIfIndex	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**IlmiAdminStatus** lportAtmIlmiAdminStatus													

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**ILMIFwdTD** lPortILMIFwdTD													
CVA_LPort**ILMIRevTD** lPortILMIRevTD													
CVA_LPort**IlmiVciBits** lportAtmIlmiValidVciBits													
CVA_LPort**IlmiVpiBits** lportAtmIlmiValidVpiBits													
CVA_LPort**IngressClpDeBitMap** lportAtmIngressClpDeBitMap													
CVA_LPort**IngressEfciFecnBitMap** lportAtmIngressFecnEfciBitMap													
CVA_LPort**IntraAbr** lportAtmBillingIntraAbr	✓	✓	✓										
CVA_LPort**IntraCbr** lportAtmBillingIntraCbr	✓	✓	✓										
CVA_LPort**IntraUbr** lportAtmBillingIntraUbr	✓	✓	✓										
CVA_LPort**IntraVbr** lportAtmBillingIntraVbr	✓	✓	✓										
CVA_LPort**IsCbrDynamic** lportAtmIsCbrDynamic													

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**IsCirOversub** lportFrCirOversub	✓	✓	✓										
CVA_LPort**IsCirOversubEnabled** lportFrIsCirOversubEnabled	✓	✓	✓										
CVA_LPort**IsUbrDynamic** lportAtmIsUbrDynamic	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**IsVbrNRTDynamic** lportAtmIsVbrNRTDynamic	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**IsVbrRTDynamic** lportAtmIsVbrRTDynamic	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**LinkMgmtProtocol** lportFrLinkMgmtProtocol	✓	✓	✓										
CVA_LPort**LmiDelay** lportFrLmiUpdateDelay	✓	✓	✓										
CVA_LPort**LossThreshold** lportAtmIlmiLossThreshold													
CVA_LPort**MildThreshold** lportAdminMildThreshold	✓	✓	✓		✓	✓	✓			✓			✓
CVA_LPort**MLFRBundleName** lportFrMLFRBundleLPortName												✓	
CVA_LPort**Name** lportAdminLportName	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**NodeFwdTD** lPortNodeFwdTD													
CVA_LPort**NodeRevTD** lPortNodeRevTD													
CVA_LPort**NtmCt0** lportAtmNtmCt0													
CVA_LPort**NtmCt1** lportAtmNtmCt1													
CVA_LPort**NtmCt2** lportAtmNtmCt2													
CVA_LPort**NtmCt3** lportAtmNtmCt3													
CVA_LPort**NtmNotificationTime** lportAtmNtmNotificationTime													
CVA_LPort**NumOfValidVciBits** lportAtmAtmValidVciBits													
CVA_LPort**NumOfValidVpiBits** lportAtmAtmValidVpiBits													
CVA_LPort**OPTCellTrkVpiRmt Stop**													
CVA_LPort**OPTCellTrkVpiStart**													
CVA_LPort**OPTCellTrkVpiStop**													

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**OtherType** lportFrOtherType					✓	✓	✓					✓	✓
CVA_LPort**PNNIAdmWeightAbr** lportPnniAdmWeightAbr													
CVA_LPort**PNNIAdmWeightCbr** lportPnniAdmWeightCbr													
CVA_LPort**PNNIAdmWeightNrt Vbr** lportPnniAdmWeightNrtVbr													
CVA_LPort**PNNIAdmWeightRtVbr** lportPnniAdmWeightRtVbr													
CVA_LPort**PNNIAdmWeightUbr** lportPnniAdmWeightUbr													
CVA_LPort**PollPeriod** lportAtmIlmiPollPeriod													
CVA_LPort**PrivNetOverflow** lportAdminNetOverflow	✓	✓	✓		✓	✓	✓						
CVA_LPort**ProxyAdminStatus** lportAtmProxyAdminStatus													
CVA_LPort**ProxyAgent** lportAtmProxyAgent													
CVA_LPort**PvcParamRec** lportAtmBillingPvcParamRec	✓	✓	✓										

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**PvcRangeVpiStart** lportAtmPvcRangeVpiStart													
CVA_LPort**PvcRangeVpiStop** lportAtmPvcRangeVpiStop													
CVA_LPort**PvcRecInterfaceId** lportAtmBillingPVCRecInterfaceId	✓	✓	✓										
CVA_LPort**PvcVciMax** lportAtmPvcVciMax													
CVA_LPort**PvcVciMin** lportAtmPvcVciMin													
CVA_LPort**PvcVpiMax** lportAtmPvcVpiMax													
CVA_LPort**PvcVpiMin** lportAtmPvcVpiMin													
CVA_LPort**PvpVpiMax** lportAtmPvpVpiMax													
CVA_LPort**PvpVpiMin** lportAtmPvpVpiMin													
CVA_LPort**Q922Signal** lportFrQ922Signal	✓	✓	✓										
CVA_LPort**RCCFwdTD** lPortRCCFwdTD													

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**RCCRevTD** lPortRCCRevTD													
CVA_LPort**RmCellGen** lportAtmFcpRmCellGen													
CVA_LPort**RmCellTerm** lportAtmFcpRmCellTerm													
CVA_LPort**SevereThreshold** lportAdminFrSevereThreshold	✓	✓	✓		✓	✓	✓			✓			✓
CVA_LPort**ServiceClassSupported** lPortAdminServiceClassSupported	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**ServiceType** lportAdminServiceType	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**SigFwdTD** lPortSigFwdTD													
CVA_LPort**SignallingAdminStatus** lportAtmSvcConfigSigAdminStatus													
CVA_LPort**SigRevTD** lPortSigRevTD													
CVA_LPort**SmdsPduViolTcaFlag** lportAdminSmdsPduViolTcaFlag				✓	✓			✓	✓	✓	✓		
CVA_LPort**SmdsPduViolThresh** lportAdminSmdsPduViolThresh				✓	✓			✓	✓	✓	✓		

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**SmdsType** lportSmdsSmdsType								✓	✓	✓	✓		
CVA_LPort**SsiLPort** lportSmdsSsiLportIpAddress								✓	✓				
CVA_LPort**SvcAccounting** lportAtmBillingSvcAccounting													
CVA_LPort**SvcSubAddr** lportAtmBillingSvcSubAddr	✓	✓	✓										
CVA_LPort**SvcVciMax** lportAtmSvcVciMax													
CVA_LPort**SvcVciMin** lportAtmSvcVciMin													
CVA_LPort**SvcVpiMax** lportAtmSvcVpiMax													
CVA_LPort**SvcVpiMin** lportAtmSvcVpiMin													
CVA_LPort**SvpVpiMax** lportAtmSvpVpiMax													
CVA_LPort**SvpVpiMin** lportAtmSvpVpiMin													
CVA_LPort**TotalBuffer** lportAtmFcpTotalBuffer													

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**TrafficShaperId** lportAdminTrafficShaperId													
CVA_LPort**TrunkFwdTD** lPortTrunkFwdTD													
CVA_LPort**TrunkRevTD** lPortTrunkRevTD													
CVA_LPort**TSBurstTolerance** lportAdminTSBurstTolerance													
CVA_LPort**TSPeakCellRate** lportAdminTSPeakCellRate													
CVA_LPort**TSPriority** lportAdminTSPriority													
CVA_LPort**TSSustCellRate** lportAdminTSSustCellRate													
CVA_LPort**UbrPercentage** lportAtmUbrBwAlloc	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**UbrUtilFactor** lportAtmUbrBwOversub	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**UbrRoutingMetric** lportAtmUbrRouteMetric	✓	✓	✓			✓	✓						
CVA_LPort**UniType** lportAtmAtmUniType													

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**UpcFunction** lportAtmUpcFunction													
CVA_LPort**VbrNRTPercentage** lportAtmVbr2BwAlloc	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**VbrNRTRoutingMetric** lportAtmVbr2RouteMetric	✓	✓	✓			✓	✓						
CVA_LPort**VbrNRTUtilFactor** lportAtmVbr2BwOversub	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**VbrRTPercentage** lportAtmVbr1BwAlloc	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**VbrRTRoutingMetric** lportAtmVbr1RouteMetric	✓	✓	✓										
CVA_LPort**VbrRTUtilFactor** lportAtmVbr1BwOversub	✓	✓	✓		✓	✓	✓						✓
CVA_LPort**VpiToVpciMappingType** lportAtmVpiToVpciMappingType													
CVA_LPort**VpiToVpciOffset** lportAtmVpiToVpciOffset													
CVA_LPort**VpnName** lportAdminVpnName	✓	✓	✓			✓							
CVA_LPort**VpShaperType** lportShaperType													
CVA_LPort**VpShaping** lportVpShaping													

Table 2-45. LPort Attribute Support: Frame Relay, Others, SMDS, and MLFR LPorts

Attribute	FR UNI DCE LPort	FR UNI DTE LPort	FR NNI LPort	FR OPTimum PVC Trunk LPort	Others Direct Line Trunk LPort	Others Encapsulation FRAD LPort	Others PPP-to-1490 Translation LPort	SMDS DXI/SNI DCE LPort	SMDS DXI/SNI DTE LPort	SMDS SSI DTE LPort	SMDS OPTimum Trunk	MLFR Member LPort	MLFR Bundle LPort
CVA_LPort**VpShapingRate** lportVpShapingRate													
CVA_LPort**XmitSchedMode** lPortAdminXmitSchedMode	✓	✓	✓		✓	✓	✓						✓

LPort Attribute Support: ATM LPorts

Table 2-46 identifies the attributes supported by the ATM LPorts.

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**AbsoluteThreshold** lportAdminFrAbsThreshold	✓			✓		✓					✓

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**AddrSameAsUni** lportAtmBillingAddrSameAsUni			✓		✓				✓		
CVA_LPort**AdminStatus** lportAdminAdminStatus	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**AlarmTimerThreshold** lportAtmOamAlarmTimerThreshold			✓		✓				✓		
CVA_LPort**AllowVfrRtNegative** lportAllowVfrRtNegative	✓	✓		✓		✓		✓			✓
CVA_LPort**AmberReductionPm** lportAdminFrAmberPm	✓			✓		✓					✓
CVA_LPort**AmberReductionPs** lportAdminFrAmberPs	✓			✓		✓					✓
CVA_LPort**AtmBurstTolerance** lportAtmAtmBurstTolerance	✓	✓						✓			
CVA_LPort**AtmPcqIndex** lportAtmAtmPcqIndex	✓	✓						✓			
CVA_LPort**AtmPeakCellRate** lportAtmAtmPeakCellRate	✓	✓						✓			
CVA_LPort**AtmProtocol** lportAtmAtmProtocolType			✓		✓				✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**AtmSustainCellRate** lportAtmAtmSustainCellRate	✓	✓						✓			
CVA_LPort**AtmType** lportAtmAtmType	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**BackupServiceName** lportAdminCanBackupServiceNames	✓		✓	✓	✓	✓					
CVA_LPort**BadPvcFactor** lportAdminFrBadPvcFactor	✓		✓	✓	✓	✓					✓
CVA_LPort**Bandwidth** lportAdminBandwidth	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**BeRoutingFactor1** lportFrBeRoutingFactors1											
CVA_LPort**BeRoutingFactor2** lportFrBeRoutingFactors2											
CVA_LPort**BitStuffing** lportAdminBitStuffing	✓	✓		✓		✓					
CVA_LPort**CallAdminControl** lportAtmAtmCallAdmControl			✓		✓				✓		
CVA_LPort**CallAdmissCtrl** lportFrCallAdmissCtrl											

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**CarrierId** lportAtmBillingCarrierId			✓		✓				✓		
CVA_LPort**CbrPercentage** lportAtmCbrBwAlloc			✓		✓		✓		✓	✓	
CVA_LPort**CbrRoutingMetric** lportAtmCbrRouteMetric			✓		✓				✓		
CVA_LPort**CbrUtilFactor** lportAtmCbrBwOversub			✓		✓		✓		✓	✓	
CVA_LPort**Cdv** lportAdminCdv							✓				
CVA_LPort**CellHeadFormat** lportAtmCellHeadFormat			✓		✓				✓		
CVA_LPort**CheckInterval** lportAdminCheckInterval	✓			✓		✓					✓
CVA_LPort**CircuitAlarmEnabled** lportAtmOamCircuitAlarms			✓		✓				✓		
CVA_LPort**ClearDelay** lportAdminClearDelay	✓		✓	✓	✓	✓					✓
CVA_LPort**CllmAdminState** lportFrCllmAdminState											

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**CllmInterval** lportFrCllmInterval											
CVA_LPort**CllmThreshMild** lportFrCllmThresholdMild											
CVA_LPort**CllmThreshNone** lportFrCllmThresholdNone											
CVA_LPort**ClosedLoop** lportAdminClosedLoop											
CVA_LPort**Clp01Thresh** lportAtmFcpClp01Thresh			✓		✓				✓	✓	
CVA_LPort**CongestionThreshold** lportAdminCongestionThreshold	✓			✓		✓		✓		✓	✓
CVA_LPort**ConnectionClass** lportAtmConnectionClass			✓		✓				✓		
CVA_LPort**ConnectionType** lportAtmAtmConnType			✓		✓				✓		
CVA_LPort**CrcChecking** lportAdminCrcChecking	✓			✓		✓					
CVA_LPort**CtrlNpcFunction** lportAtmCtrlNpcFunction									✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**CtrlUpcFunction** lportAtmCtrlUpcFunction			✓		✓						
CVA_LPort**CustomerName** lportAdminCustomerName	✓		✓	✓	✓	✓			✓		
CVA_LPort**DceErrorThreshold** lportFrDceErrorThreshold	✓										
CVA_LPort**DceEventCount** lportFrDceEventCount	✓										
CVA_LPort**DceVerifTimer** lportFrDcePollVerifTimer	✓										
CVA_LPort**DefaultUniAddrAsc** lportFrBillingDefaultUniAddrAsc											
CVA_LPort**DefaultUniAddrFormat** lportFrBillingDefaultUniAddrFormat											
CVA_LPort**DefaultUniAddrPrefix** lportFrBillingDefaultUniAddrPrefix											
CVA_LPort**DiscardThresh** lportAtmFcpDiscardThresh			✓		✓				✓	✓	
CVA_LPort**DteErrorThreshold** lportFrDteErrorThreshold	✓										

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**DteEventCount** lportFrDteEventCount	✓										
CVA_LPort**DteFullPollCounter** lportFrDteFullPollCounter	✓										
CVA_LPort**DtePollTimer** lportFrDtePollTimer	✓										
CVA_LPort**DtePrefixScreenMode** lportAtmIlmiDteScreenMode					✓						
CVA_LPort**EfciBitCheck** lportAtmFcpEfciBitCheck			✓		✓				✓	✓	
CVA_LPort**EfciThresh** lportAtmFcpEfciThresh			✓		✓				✓	✓	
CVA_LPort**EgressDeClpBitMap** lportAtmEgressDeClpBitMap	✓	✓					✓			✓	
CVA_LPort**EgressFecnEfciBitMap** lportAtmEgressFecnEfciBitMap	✓	✓					✓			✓	
CVA_LPort**ErrorCheckFlag** lportSmdsProtocolErrorChecking											
CVA_LPort**ErrorPerMinThreshold** lportAdminErrorPerMinThreshold	✓			✓		✓		✓		✓	✓

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**FrAcctSvcControlOrig** lportFrBillingSvcAccountingOrig											
CVA_LPort**FrAcctSvcControlTerm** lportFrBillingSvcAccountingTerm											
CVA_LPort**FractionalDs0s** lportAdminFractionalDs0s				✓		✓					
CVA_LPort**FrameRelayType** lportFrFrameRelayType											
CVA_LPort**FrBillUsage Measurement** lportFrBillingUsageMeasure											
CVA_LPort**GenPtMultiPt** lportAtmBillingGenPtMultiPt			✓		✓				✓		
CVA_LPort**GenPtPt** lportAtmBillingGenPtPt			✓		✓				✓		
CVA_LPort**GenUnsuccess** lportAtmBillingGenUnsuccess			✓		✓				✓		
CVA_LPort**HeartBPFlag** lportSmdsSupportHeartBeatPoll											
CVA_LPort**HeartBPInterval** lportSmdsHeartBeatPollInterval											

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**HeartBPNAThresh** lportSmdsHeartBeatPollNaThreshold											
CVA_LPort**IfIndex** lportAdminIfIndex	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**IlmiAdminStatus** lportAtmIlmiAdminStatus			✓		✓				✓		
CVA_LPort**ILMIFwdTD** lPortILMIFwdTD			✓		✓				✓		
CVA_LPort**ILMIRevTD** lPortILMIRevTD			✓		✓				✓		
CVA_LPort**IlmiVciBits** lportAtmIlmiValidVciBits			✓		✓				✓		
CVA_LPort**IlmiVpiBits** lportAtmIlmiValidVpiBits			✓		✓				✓		
CVA_LPort**IngressClpDeBitMap** lportAtmIngressClpDeBitMap	✓	✓					✓			✓	
CVA_LPort**IngressEfciFecnBitMap** lportAtmIngressFecnEfciBitMap	✓	✓					✓			✓	
CVA_LPort**IntraAbr** lportAtmBillingIntraAbr			✓		✓				✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**IntraCbr** lportAtmBillingIntraCbr			✓		✓				✓		
CVA_LPort**IntraUbr** lportAtmBillingIntraUbr			✓		✓				✓		
CVA_LPort**IntraVbr** lportAtmBillingIntraVbr			✓		✓				✓		
CVA_LPort**IsCbrDynamic** lportAtmIsCbrDynamic			✓		✓		✓		✓	✓	
CVA_LPort**IsUbrDynamic** lportAtmIsUbrDynamic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**IsVbrNRTDynamic** lportAtmIsVbrNRTDynamic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**IsVbrRTDynamic** lportAtmIsVbrRTDynamic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**LinkMgmtProtocol** lportFrLinkMgmtProtocol	✓										
CVA_LPort**LmiDelay** lportFrLmiUpdateDelay	✓										
CVA_LPort**LossThreshold** lportAtmIlmiLossThreshold			✓		✓				✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**MildThreshold** lportAdminMildThreshold	✓			✓		✓					✓
CVA_LPort**MLFRBundleName** lportFrMLFRBundleLPortName											
CVA_LPort**Name** lportAdminLportName	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**NodeFwdTD** lPortNodeFwdTD							✓			✓	
CVA_LPort**NodeRevTD** lPortNodeRevTD							✓			✓	
CVA_LPort**NpcFunction** lportAtmNpcFunction									✓		
CVA_LPort**NtmCt0** lportAtmNtmCt0			✓		✓				✓	✓	
CVA_LPort**NtmCt1** lportAtmNtmCt1			✓		✓				✓	✓	
CVA_LPort**NtmCt2** lportAtmNtmCt2			✓		✓				✓	✓	
CVA_LPort**NtmCt3** lportAtmNtmCt3			✓		✓				✓	✓	

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**NtmNotificationTime** lportAtmNtmNotificationTime			✓		✓				✓	✓	
CVA_LPort**NumOfValidVciBits** lportAtmAtmValidVciBits			✓		✓				✓		
CVA_LPort**NumOfValidVpiBits** lportAtmAtmValidVpiBits			✓		✓				✓		
CVA_LPort**OPTCellTrkVpiRmt Stop**							✓				
CVA_LPort**OPTCellTrkVpiStart**							✓				
CVA_LPort**OPTCellTrkVpiStop**							✓				
CVA_LPort**OtherType** lportFrOtherType											
CVA_LPort**PnniAdimWeightAbr** lportPnniIfAdmWeightAbr									✓		
CVA_LPort**PnniAdimWeightCbr** lportPnniIfAdmWeightCbr									✓		
CVA_LPort**PnniAdimWeightNrt Vbr** lportPnniIfAdmWeightNrtVbr									✓		
CVA_LPort**PnniAdimWeightRtVbr** lportPnniIfAdmWeightRtVbr									✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**PnniAdimWeightUbr** lportPnniIfAdmWeightUbr									✓		
CVA_LPort**PollPeriod** lportAtmIlmiPollPeriod			✓		✓				✓		
CVA_LPort**PrivNetOverflow** lportAdminNetOverflow	✓		✓	✓	✓	✓			✓		
CVA_LPort**ProxySigAdminStatus** lportAtmProxySigAdminStatus			✓						✓		
CVA_LPort**ProxyAgent** lportAtmProxySigAgent			✓								
CVA_LPort**PvcParamRec** lportAtmBillingPvcParamRec			✓		✓				✓		
CVA_LPort**PvcRangeVpiStart** lportAtmPvcRangeVpiStart			✓		✓				✓		
CVA_LPort**PvcRangeVpiStop** lportAtmPvcRangeVpiStop			✓		✓				✓		
CVA_LPort**PVCRecInterfaceId** lportAtmBillingPVCRecInterfaceId			✓		✓				✓		
CVA_LPort**PvcVciMax** lportAtmPvcVciMax			✓		✓				✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**PvcVciMin** lportAtmPvcVciMin			✓		✓				✓		
CVA_LPort**PvcVpiMax** lportAtmPvcVpiMax			✓		✓				✓		
CVA_LPort**PvcVpiMin** lportAtmPvcVpiMin			✓		✓				✓		
CVA_LPort**PvpVpiMax** lportAtmPvpVpiMax			✓		✓				✓		
CVA_LPort**PvpVpiMin** lportAtmPvpVpiMin			✓		✓				✓		
CVA_LPort**Q922Signal** lportFrQ922Signal											
CVA_LPort**Q93bMaxRestart** lportAtmSvcConfigQ93bMaxRestart			✓		✓				✓		
CVA_LPort**Q93bMaxStatus Enquiries** lportAtmSvcConfigQ93bMaxStatEnq			✓		✓				✓		
CVA_LPort**Q93bT301** lPortAtmSvcConfigQ93BT301			✓		✓				✓		
CVA_LPort**Q93bT303** lportAtmSvcConfigQ93bT303			✓		✓				✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**Q93bT308** lportAtmSvcConfigQ93bT308			✓		✓				✓		
CVA_LPort**Q93bT309** lportAtmSvcConfigQ93bT309			✓		✓				✓		
CVA_LPort**Q93bT310** lportAtmSvcConfigQ93bT310			✓		✓				✓		
CVA_LPort**Q93bT313** lportAtmSvcConfigQ93bT313					✓				✓		
CVA_LPort**Q93bT316** lportAtmSvcConfigQ93bT316			✓		✓				✓		
CVA_LPort**Q93bT322** lportAtmSvcConfigQ93bT322			✓		✓				✓		
CVA_LPort**Q93bT397** lPortAtmSvcConfigQ93BT397			✓		✓				✓		
CVA_LPort**Q93bT398** lportAtmSvcConfigQ93bT398			✓		✓				✓		
CVA_LPort**Q93bT399** lportAtmSvcConfigQ93bT399			✓		✓				✓		
CVA_LPort**QsaalHoldoffTime**			✓		✓				✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**QsaalMaxCcThreshold** lportAtmSvcConfigQsaalMaxCC			✓		✓				✓		
CVA_LPort**QsaalMaxPduXmited** lportAtmSvcConfigQsaalMaxPD			✓		✓				✓		
CVA_LPort**QsaalMaxStatElements** lportAtmSvcConfigQsaalMaxStat			✓		✓				✓		
CVA_LPort**QsaalTCtrlPdu** lportAtmSvcConfigQsaalTCC			✓		✓				✓		
CVA_LPort**QsaalTIdle** lportAtmSvcConfigQsaalTIdle			✓		✓				✓		
CVA_LPort**QsaalTKeepAlive** lportAtmSvcConfigQsaalTKeepAlive			✓		✓				✓		
CVA_LPort**QsaalTNoResponse** lportAtmSvcConfigQsaalTNo Response			✓		✓				✓		
CVA_LPort**QsaalTPoll** lportAtmSvcConfigQsaalTPoll			✓		✓				✓		
CVA_LPort**QsaalWindowSize**			✓		✓				✓		
CVA_LPort**RCCFwdTD** lPortRCCFwdTD									✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**RCCRevTD** lPortRCCRevTD									✓		
CVA_LPort**RmCellGen** lportAtmFcpRmCellGen			✓		✓				✓	✓	
CVA_LPort**RmCellTerm** lportAtmFcpRmCellTerm			✓		✓				✓	✓	
CVA_LPort**ServiceClassSupported** lPortAdminServiceClassSupported	✓	✓		✓		✓		✓			✓
CVA_LPort**ServiceType** lportAdminServiceType	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**SevereThreshold** lportAdminFrSevereThreshold	✓			✓		✓					✓
CVA_LPort**ShaperType** lportShaperType	✓	✓					✓			✓	
CVA_LPort**SigFwdTD** lPortSigFwdTD			✓		✓				✓		
CVA_LPort**SignallingAdminStatus** lportAtmSvcConfigSigAdminStatus			✓		✓				✓		
CVA_LPort**SigRevTD** lPortSigRevTD			✓		✓				✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**SmdsPduViolTcaFlag** lportAdminSmdsPduViolTcaFlag		✓									
CVA_LPort**SmdsPduViolThresh** lportAdminSmdsPduViolThresh		✓									
CVA_LPort**SmdsType** lportSmdsSmdsType											
CVA_LPort**SsiLPort** lportSmdsSsiLportIpAddress											
CVA_LPort**StaticDelay** lportAtmStaticDelay									✓		
CVA_LPort**SvcAccounting** lportAtmBillingSvcAccounting			✓		✓				✓		
CVA_LPort**SvcSubAddr** lportAtmBillingSvcSubAddr			✓		✓				✓		
CVA_LPort**SvcVciMax** lportAtmSvcVciMax			✓		✓				✓		
CVA_LPort**SvcVciMin** lportAtmSvcVciMin			✓		✓				✓		
CVA_LPort**SvcVpiMax** lportAtmSvcVpiMax			✓		✓				✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**SvcVpiMin** lportAtmSvcVpiMin			✓		✓				✓		
CVA_LPort**SvpVpiMax**			✓		✓				✓		
CVA_LPort**SvpVpiMin**			✓		✓				✓		
CVA_LPort**TotalBuffer** lportAtmFcpTotalBuffer			✓		✓				✓	✓	
CVA_LPort**TrafficShaperId** lportAdminTrafficShaperId	✓	✓					✓			✓	
CVA_LPort**TrunkFwdTD** lPortTrunkFwdTD							✓			✓	
CVA_LPort**TrunkRevTD** lPortTrunkRevTD							✓			✓	
CVA_LPort**TSBurstTolerance** lportAdminTSBurstTolerance	✓	✓					✓			✓	
CVA_LPort**TSPeakCellRate** lportAdminTSPeakCellRate	✓	✓						✓		✓	
CVA_LPort**TSPriority** lportAdminTSPriority	✓	✓					✓			✓	
CVA_LPort**TSSustCellRate** lportAdminTSSustCellRate	✓	✓					✓			✓	

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**UbrPercentage** lportAtmUbrBwAlloc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**UbrRoutingMetric** lportAtmUbrRouteMetric	✓		✓	✓	✓	✓			✓		
CVA_LPort**UbrUtilFactor** lportAtmUbrBwOversub	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**UniType** lportAtmAtmUniType			✓		✓						
CVA_LPort**UpcFunction** lportAtmUpcFunction			✓		✓						
CVA_LPort**VbrNRTPercentage** lportAtmVbr2BwAlloc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**VbrNRTRoutingMetric** lportAtmVbr2RouteMetric	✓		✓	✓	✓	✓			✓		
CVA_LPort**VbrNRTUtilFactor** lportAtmVbr2BwOversub	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**VbrRTPercentage** lportAtmVbr1BwAlloc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**VbrRTRoutingMetric** lportAtmVbr1RouteMetric	✓		✓	✓	✓	✓			✓		

Table 2-46. LPort Attribute Support: ATM LPorts

Attribute	ATM Network Interworking for FR NNI LPort	ATM OPTimum Frame Trunk LPort	ATM UNI DCE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DCE LPort (B-STDX 8000/9000)	ATM UNI DTE LPort (CBX 500 and B-STDX CS/IWU cards)	ATM UNI DTE LPort (B-STDX 8000/9000)	ATM OPTimum Cell Trunk LPort (CBX 500 and CBX B-STDX CS/IWU cards)	ATM OPTimum Cell Trunk LPort (B-STDX 8000/9000)	ATM NNI LPort	ATM Direct Trunk LPort (CBX 500, CBX550, and B-STDX CS/IWU cards)	ATM Direct Trunk LPort (B-STDX 8000/9000)
CVA_LPort**VbrRTUtilFactor** lportAtmVbr1BwOversub	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CVA_LPort**VfrRtNegative** lPortVfrRtNegative											
CVA_LPort**VpiToVpciMappingType** lportAtmVpiToVpciMappingType			✓		✓				✓		
CVA_LPort**VpiToVpciOffset** lportAtmVpiToVpciOffset			✓		✓				✓		
CVA_LPort**VpnName** lportAdminVpnName	✓		✓	✓	✓	✓			✓		
CVA_LPort**VpShaping**			✓		✓		✓			✓	
CVA_LPort**VpShapingRate**			✓		✓		✓			✓	
CVA_LPort**XmitSchedMode** lPortAdminXmitSchedMode	✓	✓		✓		✓		✓			✓

LPort Attribute Descriptions

Table 2-47 describes each NavisXtend Provisioning Server LPort attribute.

Table 2-47. LPort Attribute Descriptions

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**AbsoluteThreshold** lportAdminFrAbsThreshold	LONG	588 4-port 24-channel T1 card: 255 4-port 30-channel E1 card: 588 12-port unchannelized E1 card: 1922 6-port unchannelized DS3 card: 16000 1-port channelized DS3-1-0 card: 600 1-port channelized DS3 card: 1922 4-port channelized E1 card: 174 4-port channelized T1 card: 225 10-port DSX-1 card: 588 8-port UIO card: 588 2-port HSSI card: 17070 1-port 28-channel DS3 card: 1922	Read-Write
CVA_LPort**AddrSameAsUni** lportAtmBillingAddrSameAsUni	CvBoolean	TRUE True	Read-Write
CVA_LPort**AdminStatus** lportAdminAdminStatus *Mandatory attribute.*	CvLPortAdminStatus	lportAdminUp Up	Read-Write
CVA_LPort**AlarmTimerThreshold** lportAtmOamAlarmTimerThreshold	INTEGER	5	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Lport**AllowVfrRtNegative** lportAllowVfrRtNegative	INTEGER	CvAllowVfrRtNegative Disabled Disabled	Read-Write
CVA_LPort**AmberReductionPm** lportAdminFrAmberPm	LONG	50	Read-Write
CVA_LPort**AmberReductionPs** lportAdminFrAmberPs	LONG	75	Read-Write
CVA_LPort**AtmBurstTolerance** lportAtmAtmBurstTolerance *Applies only to 1-port ATM UNI DS3 card and 1-port ATM UNI E3 card.*	LONG	0	Read-Write
CVA_LPort**AtmPcqIndex** lportAtmAtmPcqIndex *Applies only to 1-port ATM UNI DS3 card and 1-port ATM UNI E3 card.*	INTEGER	0	Read-Write
CVA_LPort**AtmPeakCellRate** lportAtmAtmPeakCellRate *Applies only to 1-port ATM UNI DS3 card and 1-port ATM UNI E3 card.*	LONG		Read-Only
CVA_LPort**AtmProtocol** lportAtmAtmProtocolType	CvAtmProtocol	cvAtmProtocolUni31 UNI-3.1 For ATMNULL LPort: cvAtmProtocolPnni10 PNNI-1.0	Read-Write
CVA_LPort**AtmSustainCellRate** lportAtmAtmSustainCellRate *Applies only to 1-port ATM UNI DS3 card and 1-port ATM UNI E3 card.*	LONG	0	Read-Write
CVA_LPort**AtmType** lportAtmAtmType *Mandatory attribute.*	CvAtmLPortType		Create-Only
CVA_LPort**BackupServiceName** lportAdminCanBackupServiceNames	CvBoolean	FALSE False	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**BadPvcFactor** lportAdminFrBadPvcFactor *Does not apply to 1-port ATM IWU OC3, 1-port ATM CS/DS3, or 1-port ATM CS/E3 cards.* *Applies on the CBX 500 only on the 6-port DS3 Frame Relay card.*	LONG	30	Read-Write
CVA_LPort**Bandwidth** lportAdminBandwidth *Mandatory attribute.* *Read-Only for the following cards: 1-port 24-channel T1, 1-port 30-channel E1, 4-port 24-channel T1, 4-port 30-channel E1, 4-port 24-channel DSX, and the 1-port channelized DS3-1-0 cards.* *Is calculated as the aggregate of bandwidths of member LPorts by the switch.*	LONG		Read-Write
CVA_LPort**BeRoutingFactor1** lportFrBeRoutingFactors1	INTEGER	100	Read-Write
CVA_LPort**BeRoutingFactor2** lportFrBeRoutingFactors2	INTEGER	10	Read-Write
CVA_LPort**Billing** lportAdminBilling *Applies only to SMDS DXI/DCE and DXI/DTE.*	cvBilling	cvBillingDisable Disable	Read-Write
CVA_LPort**BitStuffing** lportAdminBitStuffing *Mandatory attribute.* *Applies only to the following cards: 1-port 24-channel T1, 1-port 30-channel E1, 4-port 24 channel T1, 4-port 30-channel E1, 10-port DSX-1, 4-port unchannelized T1, 4-port unchannelized E1, 4-port 24-channel DSX, 1-port 28-channel DS3, 1-port channelized DS3-1-0, 12-port unchannelized E1.*	CvDs0BitStuffing		Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**CallAdminControl** lportAtmAtmCallAdmControl	CvBwPolicing	cvBwPolicingEnabled Enabled	Read-Write
CVA_LPort**CallAdmissCtrl** lportFrCallAdmissCtrl	CvCallAdmissCtrl	cvCallAdmissCtrl Disabled Disabled	Read-Write
CVA_LPort**CarrierId** lportFrBillingCarrierId	INTEGER	0	Read-Write
CVA_LPort**CbrPercentage** lportAtmCbrBwAlloc *Applies only when CVT_LportIsCbrDynamic is False.*	INTEGER	0	Read-Write
CVA_LPort**CbrRoutingMetric** lportAtmCbrRouteMetric	CvAtmQosRouting Metric	cvAtmQoSRouting AdminCost AdminCost	Read-Write
CVA_LPort**CbrUtilFactor** lportAtmCbrBwOversub	INTEGER	100	Read-Only
CVA_LPort**Cdv** lportAdminCdv *Mandatory attribute.*	LONG		Read-Write
CVA_LPort**CellHeadFormat** lportAtmCellHeadFormat *Applies only to 1-port ATM IWU OC3, 1-port ATM CS/DS3, and 1-port ATM CS/E3 cards.*	CvAtmCellHeader Format	For ATM UNI LPort: cvAtmUniCellHeaders Uni For ATM NNI LPort: CvAtmNniCellHeaders Nni	Read-Write
CVA_LPort**CheckInterval** lportAdminCheckInterval	LONG	1	Read-Write
CVA_LPort**CircuitAlarmEnabled** lportAtmOamCircuitAlarms	CvBoolean	TRUE True	Read-Write
CVA_LPort**CirOversub** 1portFrCirOversub	INT	100	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**CirPolicingEnabled** lportFrCirPolicingEnabled	CvAtmUpcFunction	Enabled	Read-Write
CVA_LPort**ClearDelay** lportAdminClearDelay *Applies on the CBX 500 only on the 6-port DS3 Frame Relay card.*	LONG	3	Read-Write
CVA_LPort**CllmAdminState** lportFrCllmAdminState	CvCLLMAdminState	cllmAdminStateDown Down	Read-Write
CVA_LPort**CllmInterval** lportFrCllmInterval *Valid only when CVA_LPortCllmAdminState is Up.*	INTEGER	10	Read-Write
CVA_LPort**CllmThreshMild** lportFrCllmThresholdMild	INTEGER	40	Read-Write
CVA_LPort**CllmThreshNone** lportFrCllmThresholdNone	INTEGER	10	Read-Write
CVA_LPort**ClosedLoop** lportAdminClosedLoop	CvCloseLoopEnabled	congEnabledOff Off	Read-Write
CVA_LPort**Clp01Thresh** lportAtmFcpClp01Thresh *Mandatory attribute.* *Valid only when FCP is enabled.* *Clp01Thresh >= DiscardThresh >= EfciThresh*	LONG		Read-Write
CVA_LPort**CongestionThreshold** lportAdminCongestionThreshold *Mandatory attribute.*	LONG	0	Read-Write
CVA_LPort**ConnectionClass** lportAtmConnectionClass *For virtual Uni type, the default value is Virtual.*	CvAtmConnectionClass	atmDirect Direct	Read-Only

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**ConnectionType** lportAtmAtmConnType *Applies only on the CBX 500.*	CvConnectionType	For ATM UNI DCE: cvConnTypeNet Endsystem For all others: cvConnTypeNetNet NetToNet	Read-Write
CVA_LPort**CrcChecking** lportAdminCrcChecking *Mandatory attribute.* *Applies to the 2-port HSSI and the 6-port DS3 Frame Relay cards.*	CvCrcChecking		Read-Write
CVA_Lport**CtrlNpcFunction** lportAtmCtrlNpcFunction	CvAtmCtrlUpcFunction	cvCtrlUpcDisabled Disabled	Read-Write
CVA_LPort**CtrlUpcFunction** lportAtmCtrlUpcFunction	CvAtmCtrlUpcFunction	cvCtrlUpcDisabled Disabled	Read-Write
CVA_LPort**CustomerName** lportAdminCustomerName	STRING	Public	Read-Write
CVA_LPort**DceErrorThreshold** lportFrDceErrorThreshold *Mandatory attribute.*	LONG	3	Read-Write
CVA_LPort**DceEventCount** lportFrDceEventCount *Mandatory attribute.*	LONG	4	Read-Write
CVA_LPort**DceVerifTimer** lportFrDcePollVerifTimer *Mandatory attribute.*	LONG	15 For xport for FrNni: 200	Read-Write
CVA_LPort**DefaultUniAddrAsc** lportFrBillingDefaultUniAddrAsc *Applies only when CVA_LPortAddrSameAsUni is False.*	STRING		Read-Write
CVA_LPort**DefaultUniAddrFormat** lportFrBillingDefaultUniAddrFormat *Applies only when CVA_LPortAddrSameAsUni is False.*	CvAddrFmtEnum		Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**DefaultUniAddrPrefix** lportFrBillingDefaultUniAddrPrefix *Applies only when CVA_LPortAddrSameAsUni is False.*	STRING		Read-Only
CVA_LPort**DiscardThresh** lportAtmFcpDiscardThresh *Mandatory attribute.* *Valid only when FCP is enabled.* *Clp01Thresh >= DiscardThresh >= EfciThresh*	LONG		Read-Write
CVA_LPortDteErrorThreshold lportFrDteErrorThreshold Mandatory attribute.	LONG	3	Read-Write
CVA_LPortDteEventCount lportFrDteEventCount Mandatory attribute.	LONG	4	Read-Write
CVA_LPortDteFullPollCounter lportFrDteFullPollCounter Mandatory attribute.	LONG	6 For xport for FrNni: 1	Read-Write
CVA_LPortDtePollTimer lportFrDtePollTimer Mandatory attribute.	LONG	10 For xport for FrNni: 180	Read-Write
CVA_LPort**DtePrefixScreenMode** lportAtmIlmiDteScreenMode	CvAtmIlmiDtePfx Screen	cvAtmIlmiScreen AcceptAll AcceptAll	Read-Write
CVA_LPort**EfciBitCheck** lportAtmFcpEfciBitCheck *Mandatory attribute.* *Valid only when FCP is enabled.*	LPortObj__Config__ CvEfciBitCheckType		Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**EfciThresh** lportAtmFcpEfciThresh *Mandatory attribute.* *Valid only when FCP is enabled.* *Clp01Thresh >= DiscardThresh >= EfciThresh*	LONG		Read-Write
CVA_LPort**EgressDeClpBitMap** lportAtmEgressDeClpBitMap	CvLportDiscardPriority	lportDiscardPriority Mapped Mapped	Read-Write
CVA_LPort**EgressFecnEfciBitMap** lportAtmEgressFecnEfciBitMap	CvLportCongestion	lportCongestionMapped Mapped Always0	Read-Write
CVA_LPort**ErrorCheckFlag** lportSmdsProtocolErrorChecking *Mandatory attribute.*	CvErrorCheckFlag		Read-Write
CVA_LPort**ErrorPerMinThreshold** lportAdminErrorPerMinThreshold *Mandatory attribute.*	LONG		Read-Write
CVA_LPort**FrAcctSvcControlOrig** lportFrBillingSvcAccountingOrig	CvLpFrAcctSvcControl	fracctLpSvcDisabled Disabled	Read-Write
CVA_LPort**FrAcctSvcControlTerm** lportFrBillingSvcAccountingTerm	CvLpFrAcctSvcControl	fracctLpSvcDisabled Disabled	Read-Write
CVA_LPort**FractionalDs0s** lportAdminFractionalDs0s *Mandatory attribute.* *Applies only to the following cards: 1-port 24-channel T1, 1-port 30-channel E1, 4-port 24-channel T1, 4-port 30-channel E1, 4-port 24-channel DSX, and 1-port channelized DS3-1-0.*	LONG		Read-Write
CVA_LPort**FrameRelayType** lportFrFrameRelayType *Mandatory attribute.*	CvFrLPortType	frUniDte UniDte	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**FrBillUsageMeasurement** lportFrBillingUsageMeasure	CvLpFrBillUsageMeasure	cvLpFrBillUsageMeasureDeBytes DeBytes	Read-Write
CVA_LPort**GenPtMultiPt** lportAtmBillingGenPtMultiPt	CvLpAcctGeneral Recording	lpAcctGenRecEnabled Enabled	Read-Write
CVA_LPort**GenPtPt** lportAtmBillingGenPtPt	CvLpAcctGeneral Recording	lpAcctGenRecEnabled Enabled	Read-Write
CVA_LPort**GenUnsuccess** lportFrBillingGenUnsuccess	CvLpAcctGeneral Recording	lpAcctGenRecEnabled Enabled	Read-Write
CVA_LPort**HeartBPFlag** lportSmdsSupportHeartBeatPoll *Mandatory attribute.*	CvHeartBPFlag		Read-Write
CVA_LPort**HeartBPInterval** lportSmdsHeartBeatPollInterval *Mandatory attribute.*	LONG		Read-Write
CVA_LPort**HeartBPNAThresh** lportSmdsHeartBeatPollNaThreshold *Mandatory attribute.*	LONG		Read-Write
CVA_LPort**IfIndex** lportAdminIfIndex	INTEGER		Read-Only
CVA_LPort**IlmiAdminStatus** lportAtmIlmiAdminStatus	CvAtmIlmiAdminStatus	cvAtmIlmiAdmin Disabled Disabled	Read-Write
CVA_LPort**ILMIFwdTD** lPortILMIFwdTD *Does not apply to B-STDX CS/IWU cards.*	STRING	“PMP Rev, Ursp. CBR”	Read-Write
CVA_LPort**ILMIRevTD** lPortILMIRevTD *Does not apply to B-STDX CS/IWU cards.*	STRING	“PMP Rev, Ursp. CBR”	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**IlmiVciBits** lportAtmIlmiValidVciBits *For virtual Uni type, the default value is taken from the feeder.*	INTEGER	16	Read-Write
CVA_LPort**IlmiVpiBits** lportAtmIlmiValidVpiBits *For virtual Uni type, the default value is taken from the feeder.*	INTEGER	0	Read-Write
CVA_LPort**IngressClpDeBitMap** lportAtmIngressClpDeBitMap	CvLportDiscardPriority	lportDiscardPriority Mapped Mapped	Read-Write
CVA_LPort**IngressEfciFecnBitMap** lportAtmIngressFecnEfciBitMap	CvLportCongestion	lportCongestionMapped Mapped	Read-Write
CVA_LPort**IntraAbr** lportFrBillingIntraAbr	CvLpIntraRecording	lpAcctIntraRecEnabled Enabled	Read-Write
CVA_LPort**IntraCbr** lportFrBillingIntraCbr	CvLpIntraRecording	lpAcctIntraRecEnabled Enabled	Read-Write
CVA_LPort**IntraUbr** lportFrBillingIntraUbr	CvLpIntraRecording	lpAcctIntraRecEnabled Enabled	Read-Write
CVA_LPort**IntraVbr** lportAtmBillingIntraVbr	CvLpIntraRecording	lpAcctIntraRecEnabled Enabled	Read-Write
CVA_LPort**IsCbrDynamic** lportAtmIsCbrDynamic	CvBoolean	TRUE true	Read-Write
CVA_LPort**IsCirOversubEnabled** lportFrIsCirOversubEnabled	CvBoolean	False	Read-Write
CVA_LPort**IsUbrDynamic** lportAtmIsUbrDynamic *Applies on Frame Relay LPorts only when CVA_LPortServiceClassSupported is ServiceClassSupportedMulti.*	CvBoolean	TRUE true	Read-Write
CVA_LPort**IsVbrNRTDynamic** lportFrIsVfrNRTDynamic	CvBoolean	TRUE true	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**IsVbrRTDynamic** lportFrIsVfrRTDynamic *Applies on Frame Relay LPorts only when CVA_LPortServiceClassSupported is ServiceClassSupportedMulti.*	CvBoolean	TRUE true	Read-Write
CVA_LPort**LinkMgmtProtocol** lportFrLinkMgmtProtocol *Mandatory attribute.*	CvDlcmistdType	dlcmiStdAnsiT1dot617D AnsiT1dot617D	Read-Write
CVA_LPort**LmiDelay** lportFrLmiUpdateDelay *Mandatory attribute.*	LONG	3	Read-Write
CVA_LPort**LossThreshold** lportAtmIlmiLossThreshold	INTEGER	4	Read-Write
CVA_LPort**MildThreshold** lportAdminMildThreshold	LONG	4-port 24-channel T1 card: 175 4-port 30-channel E1 card: 150 2-port HSSI card: 4268 1-port 28-channel DS3 card: 480 1-port channelized DS3-1-0: 300 10-port DSX-1: 225 4-portDSX: 225 6-port Frame DS3:4000 12-port unchannelized E1: 480 4-port unchannelized E1: 225 4-port unchannelized T1: 175 8-port UIO: 225	Read-Write
CVA_LPort**MLFRBundleName** lportFrMLFRBundleLPortName	STRING		Read-Only

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**Name** lportAdminLportName *Mandatory attribute.*	STRING		Create-Only
CVA_LPort**NodeFwdTD** lPortNodeFwdTD *Does not apply to B-STDX CS/IWU cards.*	STRING	"PMP Rev, Ursp CBR"	Read-Write
CVA_LPort**NodeRevTD** lPortNodeRevTD *Does not apply to B-STDX CS/IWU cards.*	STRING	"PMP Rev, Ursp CBR"	Read-Write
CVA_LPort**NpcFunction** lportAtmNpcFunction	CvAtmUpcFunction	cvUpcEnabled Enabled	Read-Write
CVA_LPort**NtmCt0** lportAtmNtmCt0	LONG	0	Read-Write
CVA_LPort**NtmCt1** lportAtmNtmCt1	LONG	0	Read-Write
CVA_LPort**NtmCt2** lportAtmNtmCt2	LONG	0	Read-Write
CVA_LPort**NtmCt3** lportAtmNtmCt3	LONG	0	Read-Write
CVA_LPort**NtmNotificationTime** lportAtmNtmNotificationTime	LONG	30	Read-Write
CVA_LPort**NumOfValidVciBits** lportAtmAtmValidVciBits	INTEGER	10 For B-STDX CS/IWU cards: 8	Read-Write
CVA_LPort**NumOfValidVpiBits** lportAtmAtmValidVpiBits	INTEGER	4	Read-Write
CVA_LPort**OPTCellTrkVpiRmtStop**	INTEGER	0	Read-Write
CVA_LPort**OPTCellTrkVpiStart** *Is populated from the VPI value of the Object ID. Does not apply to B-STDX CS/IWU cards.*	INTEGER		Read-Only

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**OPTCellTrkVpiStop** *NavisCore has no default value for this attribute. For backward compatibility, Provisioning Server sets it to the save value as CVA_LPortOPTCellTrkVipStart.* *Does not apply to B-STDX CS/IWU cards.*	INTEGER	Same value as that of CVA_LPortOPTCellTrkVpiStart	Read-Write
CVA_LPort**OtherType** lportFrOtherType Mandatory attribute.	CvOtherLPortType	lPortDirectFrTrunk DirectFrTrunk	Read-Write
CVA_LPort**AdimWeightAbr** lportPnniIfAdmWeightAbr *Applies to ATM NNI LPorts when ATM protocol is PNNI 1.0.*	INTEGER	5040	Read-Write
CVA_LPort**AdimWeightCbr** lportPnniIRAdmWeightCbr *Applies to ATM NNI LPorts when ATM protocol is PNNI 1.0.*	INTEGER	5040	Read-Write
CVA_LPort**PNNIAdmWeightNrtVbr** lportPnniAdmWeightNrtVbr *Applies to ATM NNI LPorts when ATM protocol is PNNI 1.0. Does not apply to B-STDX CS/IWU cards.*	INTEGER	5040	Read-Write
CVA_LPort**AdimWeightRtVbr** lportPnniIfAdmWeightRtVbr *Applies to ATM NNI LPorts when ATM protocol is PNNI 1.0.*	INTEGER	5040	Read-Write
CVA_LPort**AdimWeightUbr** lportPnniIfAdmWeightUbr *Applies to ATM NNI LPorts when ATM protocol is PNNI 1.0.*	INTEGER	5040	Read-Write
CVA_LPort**PollPeriod** lportAtmIlmiPollPeriod	INTEGER	5	Read-Write
CVA_LPort**PrivNetOverflow** lportAdminNetOverflow	LPortPrivNetOverflow	LPortUsePublicPrivNetOverflow Public	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**ProxyAdminStatus** lportAtmProxySigAdminStatus *Does not apply to B-STDX CS/IWU cards.*	CvProxySigAdminStatus	cvProxySigAdminDisabled Disabled	Read-Write
CVA_LPort**ProxyAgent** lportAtmProxySigAgent *Applies only if CVA_LPortProxyAdminStatus is Client. Mandatory attribute whenever CVA_LPortProxyAdminStatus changes to Client.* *Does not apply to B-STDX CS/IWU cards.*	OBJID		Read-Write
CVA_LPort**PvcParamRec** lportAtmBillingPvcParamRec	CvLpAcctControl	lpAcctDisabled Disabled	Read-Write
CVA_LPort**PvcRangeVpiStart** lportAtmPvcRangeVpiStart *Applies to cell-based cards on the GX 500/550 switch and to virtual UNI type.*	INTEGER	1	Read-Write
CVA_LPort**PvcRangeVpiStop** lportAtmPvcRangeVpiStop *Applies to cell-based cards on the GX 500/550 switch and to virtual UNI type.*	INTEGER	15	Read-Write
CVA_LPort**PVCRecInterfaceId** lportAtmBillingPVCRecInterfaceId	STRING		Read-Only
CVA_LPort**PvcVciMax** lportAtmPvcVciMax *Applies to cell-based cards on the GX 500/550 switch. Does not apply to B-STDX CS/IWU card.*	INTEGER	1023	Read-Only
CVA_LPort**PvcVciMin** lportAtmPvcVciMin *Applies to cell-based cards on the GX 500/550 switch. Does not apply to B-STDX CS/IWU card.*	INTEGER	32	Read-Only

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**PvcVpiMax** lportAtmPvcVpiMax *Applies to cell-based cards on the GX 500/550 switch. Does not apply to B-STDX CS/IWU card.*	INTEGER	15	Read-Only
CVA_LPort**PvcVpiMin** lportAtmPvcVpiMin *Applies to cell-based cards on the GX 500/550 switch. Does not apply to B-STDX CS/IWU card.*	INTEGER	0	Read-Only
CVA_LPort**PvpVpiMax** lportAtmPvpVpiMax *Applies to cell-based cards on the GX 500/550 switch. Does not apply to B-STDX CS/IWU card.*	INTEGER	255	Read-Only
CVA_LPort**PvpVpiMin** lportAtmPvpVpiMin *Applies to cell-based cards on the GX 500/550 switch. Does not apply to B-STDX CS/IWU card.*	INTEGER	0	Read-Only
CVA_LPort**Q922Signal** lportFrQ922Signal	CvQ922Signal	cvQ922SignalDisabled Disabled	Read-Write
CVA_LPort**Q93bMaxRestart** lportAtmSvcConfigQ93bMaxRestart *Does not apply to the B-STDX CS/IWU cards.*	LONG	2	Read-Write
CVA_LPort**Q93bMaxStatusEnquiries** lportAtmSvcConfigQ93bMaxStatEnq *Does not apply to the B-STDX CS/IWU cards.*	LONG	1	Read-Write
CVA_LPort**Q93BT301** lPortAtmSvcConfigQ93BT301 *Applies to: ATM UNI DCE/DTE LPorts when ATM protocol is PNNI 1.0. ATM NNI LPorts when ATM protocol is UNI 4.0 or Q.2931/Q.2971.* *Does not apply to B-STDX CS/IWU cards.*	INTEGER	180000	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**Q93bT303** lportAtmSvcConfigQ93bT303 *Does not apply to the B-STDX CS/IWU cards.*	LONG	4000	Read-Write
CVA_LPort**Q93bT308** lportAtmSvcConfigQ93bT308 *Does not apply to the B-STDX CS/IWU cards.*	LONG	30000	Read-Write
CVA_LPort**Q93bT309** lportAtmSvcConfigQ93bT309 *Does not apply to the B-STDX CS/IWU cards.*	LONG	10000	Read-Write
CVA_LPort**Q93bT310** lportAtmSvcConfigQ93bT310 *Does not apply to the B-STDX CS/IWU cards.*	LONG	10000	Read-Write
CVA_LPort**Q93bT313** lportAtmSvcConfigQ93bT313 *Does not apply to the B-STDX CS/IWU cards.*	LONG	4000	Read-Write
CVA_LPort**Q93bT316** lportAtmSvcConfigQ93bT316	LONG	120000	Read-Write
CVA_LPort**Q93bT322** lportAtmSvcConfigQ93bT322 *Does not apply to the B-STDX CS/IWU cards.*	LONG	4000	Read-Write
CVA_LPort**Q93BT397** lPortAtmSvcConfigQ93BT397 *Applies to: ATM UNI DCE/DTE LPorts when ATM protocol is PNNI 1.0. ATM NNI LPorts when ATM protocol is UNI 4.0 or Q.2931/Q.2971.* *Does not apply to B-STDX CS/IWU cards.*	INTEGER	180000	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**Q93bT398** lportAtmSvcConfigQ93bT398 *Does not apply to the B-STDX CS/IWU cards.*	LONG	4000	Read-Write
CVA_LPort**Q93bT399** lportAtmSvcConfigQ93bT399 *Does not apply to the B-STDX CS/IWU cards.*	LONG	14000	Read-Write
CVA_LPort**QsaalMaxCcThreshold** lportAtmSvcConfigQsaalMaxCC *Does not apply to the B-STDX CS/IWU cards.*	LONG	4	Read-Write
CVA_LPort**QsaalMaxPduXmited** lportAtmSvcConfigQsaalMaxPD *Does not apply to the B-STDX CS/IWU cards.*	LONG	25	Read-Write
CVA_LPort**QsaalMaxStatElements** lportAtmSvcConfigQsaalMaxStat *Does not apply to the B-STDX CS/IWU cards.*	LONG	67	Read-Write
CVA_LPort**QsaalTCtrlPdu** lportAtmSvcConfigQsaalTCC *Does not apply to the B-STDX CS/IWU cards.*	LONG	1000	Read-Write
CVA_LPort**QsaalTIdle** lportAtmSvcConfigQsaalTIdle *Does not apply to the B-STDX CS/IWU cards.*	LONG	15000	Read-Write
CVA_LPort**QsaalTKeepAlive** lportAtmSvcConfigQsaalTKeepAlive *Does not apply to the B-STDX CS/IWU cards.*	LONG	2000	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**QsaalTNoResponse** lportAtmSvcConfigQsaalTNoResponse *Does not apply to the B-STDX CS/IWU cards.*	LONG	7000	Read-Write
CVA_LPort**QsaalTPoll** lportAtmSvcConfigQsaalTPoll *Does not apply to the B-STDX CS/IWU cards.*	LONG	750	Read-Write
CVA_LPort**QsaalWindowSize** *Does not apply to the B-STDX CS/IWU cards.*	LONG	32	Read-Write
CVA_LPort**RCCFwdTD** lPortRCCFwdTD *Applies to ATM NNI LPorts when ATM protocol is PNNI 1.0. Does not apply to B-STDX CS/IWU cards.*	STRING	“PMP Rev, Unrp CBR”	Read-Write
CVA_LPort**RCCRevTD** lPortRCCRevTD *Applies to ATM NNI LPorts when ATM protocol is PNNI 1.0. Does not apply to B-STDX CS/IWU cards.*	STRING	“PMP Rev, Unsp CBR”	Read-Write
CVA_LPort**RmCellGen** lportAtmFcpRmCellGen *Mandatory attribute.*	LPortObj__Config__ CvRmCellGenType		Read-Write
CVA_LPort**RmCellTerm** lportAtmFcpRmCellTerm *Mandatory attribute.* *Valid only when FCP is enabled.*	LPortObj__Config__ CvRmCellTermType		Read-Write
CVA_LPort**ServiceClassSupported** lPortAdminServiceClassSupported	CvServiceClassSupported	cvServiceClassSupportedMono Mono	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**ServiceType** lportAdminServiceType *Mandatory attribute.* *Can be Frame Relay, Atm, or Other service types.*	CvServiceType	serviceFrameRelay FrameRelay	Create-Only
CVA_LPort**SevereThreshold** lportAdminFrSevereThreshold	LONG	4-port 24-channel T1 card: 200 4-port 30-channel E1 card: 165 2-port HSSI card, 1-port ATM UNI DS3 card, and 1-port ATM UNI E3 card: 8535 1-port 28-channel DS3 card: 961 1-port channelized DS3-1-0 card: 450 10-port DSX1 card: 294 4-port DSX card: 294 6-port Frame DS3 card: 8000 12-port unchannelized E1 card: 294 8-port UIO card: 294	Read-Write
CVA_LPort**SigFwdTD** lPortSigFwdTD *For ATM NNI LPorts only when ATM protocol is PNNI 1.0. Does not apply to B-STDX CS/IWU cards.*	STRING	“PMP Rev, Unsp CBR”	Read-Write
CVA_LPort**SignallingAdminStatus** lportAtmSvcConfigSigAdminStatus	CvAtmSigAdminStatus	cvAtmSigAdmin Disabled Disabled	Read-Write
CVA_LPort**SigRevTD** lPortSigRevTD *For ATM NNI LPorts only when ATM protocol is PNNI 1.0. Does not apply to B-STDX CS/IWU cards.*	STRING	“PMP Rev, Unsp CBR”	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**SmdsPduViolTcaFlag** lportAdminSmdsPduViolTcaFlag *Mandatory attribute.*	SmdsPduViolTcaFlag	smdsPduViolTcaDisable Disable	Read-Write
CVA_LPort**SmdsPduViolThresh** lportSmdsPduViolThresh *Mandatory attribute.*	LONG	10	Read-Write
CVA_LPort**SmdsType** lportSmdsSmdsType *Mandatory attribute.*	CvSmdsLPortType	smdsDxiSniDte DxiSniDte	Read-Write
CVA_LPort**SsiLPort** lportSmdsSsiLportIpAddress	ObjectId2LPortName	nullObject	Read-Write
CVA_LPort**StaticDelay** lportAtmStaticDelay *Applies only to the ATM NNI LPort.*	LONG	OC48 5us OC12 10us OC3 22us E3 41us DS3 42us E1 370us DS1 522us Others 0us	Read-Write
CVA_LPort**SvcAccounting** lportAtmBillingSvcAccounting *Does not apply to B-STDX CS/IWU cards.*	CvLpAcctControl	lpAcctDisabled Disabled	Read-Write
CVA_LPort**SvcSubAddr** lportAtmBillingSvcSubAddr *Does not apply to B-STDX CS/IWU cards.*	CvLpAcctSubRecording	lpAcctSubRecDisabled Disabled	Read-Write
CVA_LPort**SvcVciMax** lportAtmSvcVciMax *Applies to cell-based cards on the GX 500/550 switch; does not apply to 1-port ATM IWU OC3, 1-port ATM CS/DS3, or 1-port ATM CS/E3 cards. Does not apply to B-STDX CS/IWU cards.*	INTEGER	0	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**SvcVciMin** lportAtmSvcVciMin *Applies to cell-based cards on the GX 500/550 switch; does not apply to 1-port ATM IWU OC3, 1-port ATM CS/DS3, 1-port ATM CS/E3, or B-STDX CS/IWU cards.*	INTEGER	0	Read-Write
CVA_LPort**SvcVpiMax** lportAtmSvcVpiMax *Applies to cell-based cards on the GX 500/550 switch; does not apply to 1-port ATM IWU OC3, 1-port ATM CS/DS3, 1-port ATM CS/E3, or B-STDX CS/IWU cards.*	INTEGER	0	Read-Write
CVA_LPort**SvcVpiMin** lportAtmSvcVpiMin *Applies to cell-based cards on the GX 500/550 switch; does not apply to 1-port ATM IWU OC3, 1-port ATM CS/DS3, 1-port ATM CS/E3, or B-STDX CS/IWU cards.* *For virtual LPort, the default value is 1. However, user should make sure that it fits into the PVC VPI range.*	INTEGER	0	Read-Write
CVA_LPort**SvpVpiMax** *Does not apply to B-STDX CS/IWU cards.*	INTEGER	4095	Read-Write
CVA_LPort**SvpVpiMin** *Does not apply to B-STDX CS/IWU cards.*	INTEGER	0 *For virtual LPort, the default value is 1.*	Read-Write
CVA_LPort**TotalBuffer** lportAtmFcpTotalBuffer *Mandatory attribute.* *Valid only when FCP is enabled.*	LONG		Read-Write
CVA_LPort**TrafficShaperId** lportAdminTrafficShaperId *Applies only to 1-port ATM IWU OC3, 1-port ATM CS/DS3, and 1-port ATM CS/E3 cards.*	LONG	1	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**TrunkFwdTD** lPortTrunkFwdTD *Does not apply to B-STDX CS/IWU cards.*	STRING	"PMP Rev, Unsp CBR"	Read-Write
CVA_LPort**TrunkRevTD** lPortTrunkRevTD *Does not apply to B-STDX CS/IWU cards.*	STRING	"PMP Rev, Unsp CBR"	Read-Write
CVA_LPort**TSBurstTolerance** lportAdminTSBurstTolerance *Applies only to 1-port ATM IWU OC3, 1-port ATM CS/DS3, and 1-port ATM CS/E3 cards.*	LONG	2	Read-Only
CVA_LPort**TSPeakCellRate** lportAdminTSPeakCellRate *Applies only to 1-port ATM IWU OC3, 1-port ATM CS/DS3, and 1-port ATM CS/E3 cards.*	LONG	96000 1-port ATM IWU OC3 card: 353208	Read-Only
CVA_LPort**TSPriority** lportAdminTSPriority *Applies only to 1-port ATM IWU OC3, 1-port ATM CS/DS3, and 1-port ATM CS/E3 cards.*	LONG	1	Read-Only
CVA_LPort**TSSustCellRate** lportAdminTSSustCellRate *Applies only to 1-port ATM IWU OC3, 1-port ATM CS/DS3, and 1-port ATM CS/E3 cards.*	LONG	96000 1-port ATM IWU OC3 card: 353208	Read-Only
CVA_LPort**UbrPercentage** lportAtmUbrBwAlloc *Applies only when CVT_LPortIsUbrDynamic is False.*	INTEGER	0	Read-Write
CVA_LPort**UbrRoutingMetric** lportAtmQosUbrRouteMetric	CvQosRoutingMetric	cvQoSRoutingAdminCost AdminCost	Read-Write
CVA_LPort**UbrUtilFactor** lportAtmQosUbrBwOversub	INTEGER	100	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**UniType** lportAtmAtmUniType	CvAtmUniType	cvAtmUniTypePublic Public	Read-Write
CVA_LPort**UpcFunction** lportAtmUpcFunction *Does not apply to B-STDX CS/IWU cards.*	CvAtmUpcFunction	cvUpcEnabled Enabled	Read-Write
CVA_LPort**VbrNRTPercentage** lportAtmVbr2BwAlloc *Applies only when CVA_LPortIsVbrNRTDyname is False.*	INTEGER	0	Read-Write
CVA_LPort**VbrNRTRoutingMetric** lportAtmVbr2RouteMetric	CvAtmQosRouting Metric	cvAtmQoSRouting AdminCost AdminCost	Read-Write
CVA_LPort**VbrNRTUtilFactor** lportAtmVbr2BwOversub	INTEGER	100	Read-Write
CVA_LPort**VbrRTPercentage** lportAtmVbr1BwAlloc *For Frame Relay LPorts, this attribute applies when CVT_LPortIsVbrRTDynamic is False, and when CVA_LPortServiceClassSupported is Multi.*	INTEGER	0	Read-Write
CVA_LPort**VbrRTRoutingMetric** lportFrVfrRtRouteMetric *For Frame Relay LPorts, this attribute applies when CVA_LPortServiceClassSupported is ServiceClassSupportedMulti.*	CvQosRoutingMetric	cvQoSRoutingAdminCost AdminCost	Read-Write
CVA_LPort**VbrRTUtilFactor** lportAtmVbr1BwOversub *For Frame Relay LPorts, this attribute applies when CVA_LPortServiceClassSupported is ServiceClassSupportedMulti.*	INTEGER	100	Read-Write

Table 2-47. LPort Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_LPort**AllowVfrRtNegative** lPortAllowVfrRtNegative *Applies only when CVA_LPortServiceClassSupported is CvServiceClassSupportedMulti.*	INTEGER	0	Read-Write
CVA_LPort**VpiToVpciMappingType** lportAtmVpiToVpciMappingType *Does not apply to B-STDX CS/IWU cards.*	CvAtmVpiToVpci MappingType	atmVpiEqualToVpci Equal	Read-Write
CVA_LPort**VpiToVpciOffset** lportAtmVpiToVpciOffset *Does not apply to B-STDX CS/IWU cards.*	INTEGER	0	Read-Write
CVA_LPort**VpnName** lportAdminVpnName	STRING	Public	Read-Write
CVA_LPort**ShaperType** lportShaperType *Applies only to B-STDX CS/IWU cards.*	LONG	ShaperTypeVc(1) Vc	Read-Write
CVA_LPort**VpShaping** *Applies to CBX 500 ATM UNI DCE/DTE LPorts if Connection Class is Virtual OPTimum Cell Trunk LPorts if FCP is enabled.* Does not apply to *B-STDX CS/IWU cards.*	LONG	VpShapingDisabled(2) Disabled	Read-Write
CVA_LPort**VpShapingRate** *Applies to CBX 500 ATM UNI DCE/DTE LPorts if Connection Class is Virtual OPTimum Cell Trunk LPorts if FCP is enabled.* Does not apply to *B-STDX CS/IWU cards.*	INTEGER	100 Range 100 - max line rate for each card.	Read-Write (Only if VpShaping is enabled.)
CVA_LPort**XmitSchedMode** lPortAdminXmitSchedMode *Applies only when CVA_LPortServiceClassSupported is CvServiceClassSupportedMulti.*	CvLPortXmitSched Mode	cvFixedPriority FixedPriority	Read-Write

3

Object Attributes for NetCac through VPN

This chapter alphabetically lists the supported object attributes for the NetCac object through the VPN object. For a list of the object attributes for APS object through the LPort object, see Chapter 2.

Listed are the supported object attributes and their default values. Performance Monitor and PPort attributes are listed by card type.

NetCac Attributes

Table 3-1. NetCac Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_NetCac**CacType** networkCACType *Mandatory attribute.* *Valid values (CLI):* *option 1 - Cascade* *option 2 - CustomizeVbrNrtAbr* *option 3 - CustomizeVbrRtNrtAbr*	CvCacType		Read-Write
CVA_NetCac**CbrAlpha** networkCACCbrAlpha *Use this attribute when CVA_NetCacCacType is set to option 1 or 2.*	LONG	7	Read-Write

Table 3-1. NetCac Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_NetCac**CbrCdv** networkCACCbrCdv *Use this attribute when CVA_NetCacCacType is set to option 1 or 2.*	LONG	250	Read-Write
CVA_NetCac**MaxMbs10** networkCACMaxMbs10 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**MaxMbs1** networkCACMaxMbs1 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**MaxMbs2** networkCACMaxMbs2 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**MaxMbs3** networkCACMaxMbs3 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**MaxMbs4** networkCACMaxMbs4 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**MaxMbs5** networkCACMaxMbs5 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write

Table 3-1. NetCac Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_NetCac**MaxMbs6** networkCACMaxMbs6 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**MaxMbs7** networkCACMaxMbs7 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**MaxMbs8** networkCACMaxMbs8 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**MaxMbs9** networkCACMaxMbs9 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**DS3PortScale** networkCACPortScaleFactorDS3 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG	100	Read-Write
CVA_NetCac**E3PortScale** networkCACPortScaleFactorE3 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG	100	Read-Write
CVA_NetCac**OC12PortScale** networkCACPortScaleFactorOC12 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG	100	Read-Write

Table 3-1. NetCac Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_NetCac**OC3PortScale** networkCACPortScaleFactorOC3 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG	100	Read-Write
CVA_NetCac**ScaleFactor10** networkCACScaleFactor10 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**ScaleFactor1** networkCACScaleFactor1 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**ScaleFactor2** networkCACScaleFactor2 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**ScaleFactor3** networkCACScaleFactor3 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**ScaleFactor4** networkCACScaleFactor4 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**ScaleFactor5** networkCACScaleFactor5 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write

Table 3-1. NetCac Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_NetCac**ScaleFactor6** networkCACScaleFactor6 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**ScaleFactor7** networkCACScaleFactor7 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**ScaleFactor8** networkCACScaleFactor8 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**ScaleFactor9** networkCACScaleFactor9 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**T1E1PortScale** networkCACPortScaleFactorT1 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG	100	Read-Write
CVA_NetCac**UpperLimit10** networkCACUpperLimit10 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**UpperLimit1** networkCACUpperLimit1 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write

Table 3-1. NetCac Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_NetCac**UpperLimit2** networkCACUpperLimit2 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**UpperLimit3** networkCACUpperLimit3 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**UpperLimit4** networkCACUpperLimit4 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**UpperLimit5** networkCACUpperLimit5 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**UpperLimit6** networkCACUpperLimit6 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**UpperLimit7** networkCACUpperLimit7 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**UpperLimit8** networkCACUpperLimit8 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write

Table 3-1. NetCac Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_NetCac**UpperLimit9** networkCACUpperLimit9 *Use this attribute when CVA_NetCacCacType is set to option 2 or 3.*	LONG		Read-Write
CVA_NetCac**VbrNRT** networkCACVbrNonRealTime *Use this attribute when CVA_NetCacCacType is set to option 1 or 2.*	LONG	6	Read-Write
CVA_NetCac**VbrRT** networkCACVbrRealTime *Use this attribute when CVA_NetCacCacType is set to option 1 or 2.*	LONG	9	Read-Write
CVA_NetCac**VbrRTAlpha** networkCACVbrRTAlpha *Use this attribute when CVA_NetCacCacType is set to option 1 or 2.*	LONG	7	Read-Write
CVA_NetCac**VbrRTCdv** networkCACVbrRTCdv *Use this attribute when CVA_NetCacCacType is set to option 1 or 2.*	LONG	500	Read-Write

Network

The network object has no attributes.

Performance Monitor Attributes

T1/E1 Cards

Table 3-2 lists the Performance Monitor attributes for the following cards:

- 4-port Channelized T1 (B-STDX 9000)
- 1-port Channelized DS3, on the channel level (B-STDX 9000) (for the PPort level, see Table 3-3)
- 1-port Channelized DS3-1-0, on the channel level
- 8-port T1 (CBX 500)
- 8-port E1(CBX 500)

Table 3-2. Performance Monitor Attributes for T1/E1 Cards

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**ThresholdCrossing** ds1pmThreshCrossingEnable	PerformanceMonitorObj__Config__CvPMThresholdCrossingCtrl	PMThresholdCrossingDisabled Disabled	Read-Write
CVA_PerformanceMonitor**T1E1FifteenMinThresholdCssp** ds1pmThreshCSSPCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**T1E1OneDayThresholdCssp** ds1pmThreshCSSPDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**T1E1FifteenMinThresholdCvp** ds1pmThreshCvpCurrent	LONG	16383	Read-Write
CVA_PerformanceMonitor**T1E1OneDayThresholdCvp** ds1pmThreshCVPDay	LONG	1048575	Read-Write
CVA_PerformanceMonitor**T1E1FifteenMinThresholdEsl** ds1pmThreshEslCurrent	LONG	900	Read-Write

Table 3-2. Performance Monitor Attributes for T1/E1 Cards (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**T1E1OneDay ThresholdEsl** ds1pmThreshESLDay	LONG	65535	Read-Write
CVA_PerformanceMonitor**T1E1FifteenMin ThresholdEsp** ds1pmThreshESPCurrent	LONG	900	Read-Write
CVA_PerformanceMonitor**T1E1OneDay ThresholdEsp** ds1pmThreshESPDay	LONG	65535	Read-Write
CVA_PerformanceMonitor**T1E1FifteenMin ThresholdSasp** ds1pmThreshSASPCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**T1E1OneDay ThresholdSasp** ds1pmThreshSASPDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**T1E1FifteenMin ThresholdSesp** ds1pmThreshSESPCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**T1E1OneDay ThresholdSesp** ds1pmThreshSESPDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**T1E1FifteenMin ThresholdUasp** ds1pmThreshUASPCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**T1E1OneDay ThresholdUasp** ds1pmThreshUASPDay	LONG	4095	Read-Write

E3/DS3 Cards

Table 3-3 lists the Performance Monitor attributes for the following cards:

- 1-port Channelized DS3, on the PPort level (B-STDX 9000) (for the channel level, see Table 3-2)
- 1-port Channelized DS3-1-0, on the PPort level
- 1-port CS/DS3 (B-STDX 9000)
- 8-port DS3 (CBX 500)
- 8-port E3 (CBX 500)
- 6-port DS3 (CBX 500)

Table 3-3. Performance Monitor Attributes E3/DS3 Cards

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**E3DS3FifteenMinThresholdCvcpp** ds3pmThreshCVCPPCurrent	LONG	13296	Read-Write
CVA_PerformanceMonitor**E3DS3oneDayThresholdCvcpp** ds3pmThreshCVCPPDay	LONG	132960	Read-Write
CVA_PerformanceMonitor**E3DS3FifteenMinThresholdCvl** ds3pmThreshCVLCurrent	LONG	13296	Read-Write
CVA_PerformanceMonitor**E3DS3oneDayThresholdCvl** ds3pmThreshCVLDay	LONG	132960	Read-Write
CVA_PerformanceMonitor**E3DS3FifteenMinThresholdCvp** ds3pmThreshCVPCurrent	LONG	13296	Read-Write
CVA_PerformanceMonitor**E3DS3oneDayThresholdCvp** ds3pmThreshCVPDay	LONG	132960	Read-Write
CVA_PerformanceMonitor**E3DS3FifteenMinThresholdEscpp** ds3pmThreshESCPPCurrent	LONG	65	Read-Write

Table 3-3. Performance Monitor Attributes E3/DS3 Cards (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**E3DS3oneDay ThresholdEscpp** ds3pmThreshESCPPDay	LONG	648	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdEsl** ds3pmThreshESLCurrent	LONG	65	Read-Write
CVA_PerformanceMonitor**E3DS3oneDay ThresholdEsl** ds3pmThreshESLDay	LONG	648	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdEsp** ds3pmThreshESPCurrent	LONG	65	Read-Write
CVA_PerformanceMonitor**E3DS3oneDay ThresholdEsp** ds3pmThreshESPDay	LONG	648	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdEsx** ds3pmThreshESXCurrent	LONG	44	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdSascpp** ds3pmThreshSASCPPCurrent	LONG	2	Read-Write
CVA_PerformanceMonitor**E3DS3oneDay ThresholdSascpp** ds3pmThreshSASCPPDay	LONG	17	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdSasp** ds3pmThreshSASPCurrent	LONG	2	Read-Write
CVA_PerformanceMonitor**E3DS3oneDay ThresholdSasp** ds3pmThreshSASPDay	LONG	17	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdSescpp** ds3pmThreshSESCPPCurrent	LONG	10	Read-Write

Table 3-3. Performance Monitor Attributes E3/DS3 Cards (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**E3DS3oneDay ThresholdSescpp** ds3pmThreshSESCPPDay	LONG	100	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdSesl** ds3pmThreshSESLCurrent	LONG	10	Read-Write
CVA_PerformanceMonitor**E3DS3oneDay ThresholdSesl** ds3pmThreshSESLDay	LONG	100	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdSesp** ds3pmThreshSESPCurrent	LONG	10	Read-Write
CVA_PerformanceMonitor**E3DS3oneDay ThresholdSesp** ds3pmThreshSESPDay	LONG	100	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdUascpp** ds3pmThreshUASCPPCurrent	LONG	10	Read-Write
CVA_PerformanceMonitor**E3DS3oneDay ThresholdUascpp** ds3pmThreshUASCPPDay	LONG	10	Read-Write
CVA_PerformanceMonitor**E3DS3Fifteen MinThresholdUasp** ds3pmThreshUASPCurrent	LONG	10	Read-Write
CVA_PerformanceMonitor**E3DS3oneDay ThresholdUasp** ds3pmThreshUASPDay	LONG	10	Read-Write
PerformanceMonitor**E3DS3oneDay ThresholdEsx** ds3pmThreshESXDay	LONG	44	Read-Write
CVA_PerformanceMonitor**Threshold Crossing** ds1pmThreshCrossingEnable	PerformanceMonitor Obj__Config__CvPM ThresholdCrossingCtrl	PMThresholdCrossing Disabled Disabled	Read-Write

OC3/OC12 Cards

Table 3-4 lists the Performance Monitor attributes for the following cards:

- 1-port IWU OC3/STM-1 (B-STDX 9000)
- 4-port OC3/STM-1 (CBX 500)
- 1-port OC12c/STM-4 (CBX 500)

Table 3-4. Performance Monitor Attributes for OC3/OC12 Cards

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**OC3OC12SESThresholdSetting** sonetpmSESThresholdSet	PerformanceMonitorObj__Config__CvPMSESThresholdSetting	PMSESThresholdSetting ANSI ANSI	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdCvl** sonetpmThreshCVLCurrent	LONG	16383	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdCvl** sonetpmThreshCVLDay	LONG	1048575	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdCvp** sonetpmThreshCVPCurrent	LONG	16383	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdCvp** sonetpmThreshCVPDay	LONG	1048575	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdCvs** sonetpmThreshCVSCurrent	LONG	16383	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdCvs** sonetpmThreshCVSDay	LONG	1048575	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdEsl** sonetpmThreshESLCurrent	LONG	900	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdEsl** sonetpmThreshESLDay	LONG	65535	Read-Write

Table 3-4. Performance Monitor Attributes for OC3/OC12 Cards (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdEsp** sonetpmThreshESPCurrent	LONG	900	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdEsp** sonetpmThreshESPDay	LONG	65535	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdEss** sonetpmThreshESSCurrent	LONG	900	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdEss** sonetpmThreshESSDay	LONG	65535	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdSesl** sonetpmThreshSESLCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdSesl** sonetpmThreshSESLDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdSesp** sonetpmThreshSESPCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdSesp** sonetpmThreshSESPDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdSess** sonetpmThreshSESSCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdSess** sonetpmThreshSESSDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdUasp** sonetpmThreshUASCurrent	LONG	63	Read-Write

Table 3-4. Performance Monitor Attributes for OC3/OC12 Cards (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PerformanceMonitor**OC3OC12FifteenMinThresholdUasl** sonetpmThreshUASLCurrent	LONG	63	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdUasl** sonetpmThreshUASLDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**OC3OC12OneDayThresholdUasp** sonetpmThreshUASPDay	LONG	4095	Read-Write
CVA_PerformanceMonitor**ThresholdCrossing** ds1pmThreshCrossingEnable	PerformanceMonitorObj__Config__CvPMThresholdCrossingCtrl	PMThresholdCrossingDisabled Disabled	Read-Write

PFdl Attributes

Table 3-5. PFdl Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PFdl**EquipmentCode** pportPFdlEquipmentCode *Can be accessed only when CVA_PPortT1CircuitType is set to Extended SuperFrame.*	STRING		Read-Write
CVA_PFdl**FdlControl** pportPFdlControl *Can be accessed only when CVA_PPortT1CircuitType is set to Extended SuperFrame.*	PFdlObj__Config__CvFdlControl	fdlControlDisabled Disabled	Read-Write
CVA_PFdl**FacilityCode** pportPFdlFacilityCode *Can be accessed only when CVA_PPortT1CircuitType is set to Extended SuperFrame.*	STRING		Read-Write

Table 3-5. PFdl Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PFdl**FrameCode** pportPFdlFrameCode *Can be accessed only when CVA_PPortT1CircuitType is set to Extended SuperFrame.*	STRING		Read-Write
CVA_PFdl**LocationCode** pportPFdlLocationCode *Can be accessed only when CVA_PPortT1CircuitType is set to Extended SuperFrame.*	STRING		Read-Write
CVA_PFdl**PathIdTransmission** pportPFdlPathIdTransmission *Can be accessed only when CVA_PPortT1CircuitType is set to Extended SuperFrame.*	PFdlObj__Config_ CvPathIdTransmission	pathIdTransmission Disabled Disabled	Read-Write
CVA_PFdl**PrmTransmission** pportPFdlPrmTransmission *Can be accessed only when CVA_PPortT1CircuitType is set to Extended SuperFrame.*	PFdlObj__Config__ CvPrmTransmission	prmTransmission Disabled Disabled	Read-Write
CVA_PFdl**UnitCode** pportPFdlUnitCode *Can be accessed only when CVA_PPortT1CircuitType is set to Extended SuperFrame.*	STRING		Read-Write

PMP Circuit Leaf Endpoint Attributes

Table 3-6. PMP Circuit Leaf Endpoint Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PMPCircuit**PvcParamRecording** circuitLeafPvcParamRecording1	INTEGER	1	Read-Write

Table 3-6. PMP Circuit Leaf Endpoint Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PMPCkt**AcctChrgPartyId** circuitLeafAcctChrgPartyId	STRING		Read-Write
CVA_PMPCkt**AcctPvcControl** circuitLeafAcctPvcControl	CvCktAtmBillPvc Control	cvCktAtmBillControl Enabled Enabled	Read-Write
CVA_PMPCkt**AcctUsageMeasure** circuitLeafAcctUsageMeasure	CvCktAtmBillUsage	cvCktAtmBillUsage Enabled Enable	Read-Write
CVA_PMPCkt**AdminStatus** circuitLeafAdminStatus	CvCktLeafAdminStatus Enum	cktLeafAdmUp Up	Read-Write
CVA_PMPCkt**Root** *Mandatory attribute.*	OBJID		Create-Only

PMP Circuit Root Endpoint Attribute

Table 3-7 provides the following information:

- Priority. The QoS priority values are valid only for the CBX platform.
- Traffic type. This includes the Traffic Descriptor Type options for the QoS Class defined.
- Parameter values. This column defines the Traffic Descriptor parameter values used by the traffic Descriptor Type.

Table 3-7. Relation of Attributes for ATM On Cell to ATM On Cell Circuit

QoS	Priority	Traffic Descriptor Type	Parameters
ABR	1-3	PcrClp0McrClp0	param1, param2
CBR	1	PcrClp0PcrClp01	param1, param2
		PcrClp0PcrClp01Tag	param1, param2
		PcrClp01	param1
UBR	1-3	PcrClp01	param1

Table 3-7. Relation of Attributes for ATM On Cell to ATM On Cell Circuit

QoS	Priority	Traffic Descriptor Type	Parameters
		DefaultBestEffort	
		BestEffortTagging	
VBRReal Time/VBR NonRealTime	1-4	PcrClp01ScrClp0MbsClp0	param1, param2, param3
		PcrClp01ScrClp0MbsClp0Tag	param1, param2, param3
		PcrClp01ScrClp01MbsClp01	param1, param2, param3

Table 3-8 provides information about the Circuit Root Endpoint attributes.

Table 3-8. PMP Circuit Root Endpoint Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PMPCktRoot**AcctChrgPartyId** circuitRootAcctChrgPartyId	STRING		Read-Write
CVA_PMPCktRoot**AcctPvcControl** circuitRootAcctPvcControl	CvCktAtmBillPvc Control	Enabled	Read-Write
CVA_PMPCktRoot**AcctUsageMeasure** circuitRootAcctUsageMeasure	CvCktAtmBillUsage	Enabled	Read-Write
CVA_PMPCktRoot**CdvTolerance** circuitRootCdvTolerance	LONG	600	Read-Write
CVA_PMPCktRoot**CircuitType** circuitRootCircuitType	cvAtmPvcType		Read-Only
CVA_PMPCktRoot**Priority** circuitRootPriority *Valid only when TrafficDescType is* cvCOSVBRNonRealTime.	LONG	1	Create-Only
CVA_PMPCk**t**Root**PrivateNet Overflow** circuitRootPrivateNetOverflow	PrivateNetOverflow Mode	privateNetOverflow Public Public	Create-Only

Table 3-8. PMP Circuit Root Endpoint Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PMPCktRoot**QOSClass** circuitRootQosClass *Mandatory attribute.*	cvClassOfSrv	cvCOSCBR CBRPcvClp0PcrClp01	Create-Only
CVA_PMPCktRoot**RerouteBalance** circuitRootRerouteBalancing	CvCktRerouteBalance	cktRerouteBalance Enabled Enabled	Read-Only
CVA_PMPCktRoot**Name** circuitRootRootName	STRING		Create-Only
CVA_PMPCktRoot**Param1** circuitRootTrafficDescrParam1 *Will be valid depending on CVA_PMPCktRootQOSClass and CVA_PMPCktRootTrafficDescType.*	LONG		Create-Only
CVA_PMPCktRoot**Param2** circuitRootTrafficDescrParam2 *Will be valid depending on CVA_PMPCktRootQOSClass and CVA_PMPCktRootTrafficDescType.*	LONG		Create-Only
CVA_PMPCktRoot**Param3** circuitRootTrafficDescrParam3 *Will be valid depending on CVA_PMPCktRootQOSClass and CVA_PMPCktRootTrafficDescType.*	LONG		Create-Only
CVA_PMPCktRoot**TrafficDescType** circuitRootTrafficDescrType *Mandatory attribute.*	cvAtmTrafficDescType		Create-Only

PMP Spvc Leaf Endpoint Attributes

Table 3-9. PMP Spvc Leaf Endpoint Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PMPSpvcLeaf**AdminStatus** circuitSpvcPmpLeafAdminStatus	CvCircuitAdminStatus	circuitAdminUp Up	Read-Write
CVA_PMPSpvcLeaf**RetryInterval** circuitSpvcPmpLeafRetryInterval	LONG	0	Read-Write
CVA_PMPSpvcLeaf**RetryLimit** circuitSpvcPmpLeafRetryLimit	LONG	0	Read-Write
CVA_PMPSpvcLeaf**Root** circuitSpvcPmpLeafRoot *Mandatory attribute. This attribute in now Read-Only as the parent for the PMPSpvcLeaf has changed from LPort to PMPSpvcRoot.*	OBJID		Read-Only
CVA_PMPSpvcLeaf**TargetSelectType** circuitSpvcPmpLeafTargetSelectType	CvTargetSelectType	cvTargetSelectTypeAny Any	Read-Write
CVA_PMPSpvcLeaf**TargetVpi** circuitSpvcPmpLeafTargetVpi *Can be set only when CVA_PMPSpvcLeafTargetSelectType is set to Required.*	INTEGER		Read-Write
CVA_PMPSpvcLeaf**Terminating EndpointAddr** circuitSpvcPmpLeafTerminating EndpointAddress *Mandatory attribute.*	STRING		Read-Write
CVA_PMPSpvcLeaf**TargetVci** circuitSpvcPmpRootTargetVci *Can be set only when CVA_PMPSpvcLeafTargetSelectType is set to Required.*	INTEGER		Read-Write

PMP Spvc Root Endpoint Attributes

Table 3-10. PMP Spvc Root Endpoint Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PMPSpvcRoot**AdminStatus** circuitSpvcPmpRootAdminStatus	CvCircuitAdminStatus	circuitAdminUp Up	Read-Write
CVA_PMPSpvcRoot**CircuitType** circuitSpvcPmpRootCircuitType	CvSpvcCircuitType		Read-Only
CVA_PMPSpvcRoot**Endpoint TerminatingAddr** circuitSpvcPmpRootEndpoint TerminatingAddress *Mandatory attribute.*	STRING		Read-Write
CVA_PMPSpvcRoot**FwdTrafficDesc** circuitSpvcPmpRootForwardTraffic Descriptor *Mandatory attribute.* *Name of the Traffic Descriptor picked up from the Traffic Descriptor Pool.*	STRING		Read-Write
CVA_PMPSpvcRoot**Name** circuitSpvcPmpRootName *Mandatory attribute.*	STRING		Create-Only
CVA_PMPSpvcRoot**NextAvailable LeafNo** circuitSpvcPmpRootNextAvailableLeaf No	INTEGER		Read-Only
CVA_PMPSpvcRootc**RetryInterval** circuitSpvcPmpRootRetryInterval	LONG	0	Read-Write
CVA_PMPSpvcRoot**RetryLimit** circuitSpvcPmpRootRetryLimit	LONG	0	Read-Write
CVA_PMPSpvcRoot**RevTrafficDesc** circuitSpvcPmpRootReverseTraffic Descriptor *Name of the Traffic Descriptor picked up from the Traffic Descriptor Pool.*	STRING		Read-Write

Table 3-10. PMP Spvc Root Endpoint Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PMPSpvcRoot**TargetSelectType** circuitSpvcPmpRootTargetSelectType	CvTargetSelectType	cvTargetSelectTypeAny Any	Read-Write
CVA_PMPSpvcRoot**TargetVci** circuitSpvcPmpRootTargetVci *Can be set only when CVA_PMPSpvcRootTargetSelectType is set to Required.*	INTEGER		Create-Only
CVA_PMPSpvcRoot**TargetVpi** circuitSpvcPmpRootTargetVpi *Can be set only when CVA_PMPSpvcRootTargetSelectType is set to Required.*	INTEGER		Create-Only

Pnni Node Attributes

Table 3-11. Pnni Node Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PnniNode**AddrBundle** AddrBundle pnniNodeAddressBundle	CvPnniNodeAddrBundle	Enabled	Read-Write
CVA_PnniNode**AdminStatus** pnniNodeAdminStatus	INTEGER	pnniAdminUp	Read-Write
CVA_PnniNode**ID** pnniNodeID *Automatically generated from Peer Group level and Peer Group ID values.*	STRING		Read-Only
CVA_PnniNode**PnniToVnnReachability** PnniToVnnReachability pnniNodePnniToVnnReachability	CvPnniNodeReachability	Enabled	Read-Write

Table 3-11. Pnni Node Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PnniNode**VnnToPnniReachability** VnnToPnniReachability pnniNodeVnnToPnniReachability	CvPnniNodeReachability	Enabled	Read-Write

Point to Point Circuit Attributes

This section includes the following series of tables that help you configure the Quality of Service (QoS) and Point-to-Point circuit attributes for a variety of circuit types:

- QoS configuration tables.
- Circuit attribute containment table. This table identifies which attributes are supported on specific circuit types.
- Circuit attribute description table. This table provides usage information for each attribute supported on any circuit type.
- Circuit attribute description tables for Frame Relay-to-Frame Relay circuits and ATM-to-ATM circuits. These tables provide the same attribute information found in the general attribute description table, but it presents the information according to circuit category.

Terminology

This section uses terms that need definition:

- “Frame Relay” refers to a Frame Relay LPort.
- “ATM” refers to an ATM LPort.
- “On Cell” refers to an LPort type on a cell-based card. For a list of these card types, see “Switches and Card Types” in Chapter 1.
- “On Frame” refers to an LPort type on a frame-based card. For a list of these card types, see “Switches and Card Types” in Chapter 1.
- “Cell on Frame” is an old description that is now replaced by “ATM on Frame,” which means an ATM LPort on a frame-based card.

For a listing of frame- and cell-based cards, as well as their switch and LPort containment, see "Switches and Card Types" in Chapter 1.

Circuit Quality of Service (QoS)

The QoS tables in this section apply to Circuits that have ATM endpoints. For restrictions on Frame Relay-to-Frame Relay Circuits, refer to the NavisCore documentation.

In earlier versions of NavisXtend Provisioning Server, the Pcr, Scr, and Mbs parameters were used when an ATM-endpoint circuit was created with these endpoints: Frame Relay-to-ATM (on Cell or on Frame), or ATM on Cell to ATM on Frame. However, this version of Provisioning Server supports an ATM traffic Descriptor based on the QoS class, and uses parameters param1, param2, and param3. This configuration follows the configuration method used for creating ATM on Cell to ATM on Cell endpoints.

Table 3-12 lists sample Traffic Descriptors and illustrates how parameters param1, param2, and param3 are mapped to descriptor segments.

Table 3-12. Parameter Reference Mapping: param1, param2, and param3

Traffic Descriptor	Descriptor Segment	Parameter
PCRCLP0PCRCLP01	PCRCLP0	param1
	PCRCLP01	param2
PCRCLP01	PCRCLP01	param1
PCRCLP01SCRCLP0MBSCLP0	PCRCLP01	param1
	SCRCLP0	param2
	MBSCLP0	param3
PCRCLP01SCRCLP0MBSCLP0TAG	PCRCLP01	param1
	SCRCLP0	param2
	MBSCLP0	param3
PCRCLP01SCRCLP01MBSCLP01	PCRCLP01	param1
	SCRCLP01	param2
	MBSCLP01	param3
PCRCLP0MCRCLP0	PCRCLP0	param1
	MCRCLP0	param2

The tables in this section illustrate the attribute dependencies for QoS class, Traffic Descriptor type, and param1, param2, and param3. Each table provides the following information:

- QoS - QoS class. The QoS values apply to all endpoint types defined in the table.
- Priority, or the range of priority values supported. In the case of VBR classes, the range of 1-4 is only supported on the CBX ATM endpoint.
- Traffic type. This includes the Traffic Descriptor Type options for the QoS Class defined.
- Parameter values. This column defines the Traffic Descriptor parameter values used by the traffic Descriptor Type.
- Endpoint type. The last two columns are the endpoint type columns. If a switch type appears in this column for the Traffic Descriptor type, then that traffic descriptor is supported on that endpoint.

Table 3-13 illustrates the attribute dependencies for an ATM-on-Cell to ATM-on-Cell circuit.

Table 3-13. Relation of Attributes for ATM On Cell to ATM On Cell Circuit

QoS	Priority	Traffic Descriptor Type	Parameters	ATM On Cell	ATM On Cell
ABR	1-3	PcrClp0McrClp0	param1, param2	CBX,GX, B-STDX	CBX,GX, B-STDX
CBR	1	PcrClp0PcrClp01	param1, param2	CBX, GX	CBX, GX
		PcrClp0PcrClp01Tag	param1, param2	CBX,GX	CBX,GX
		PcrClp01	param1	CBX,GX, B-STDX	CBX,GX, B-STDX
UBR	1-3	PcrClp01	param1	CBX,GX, B-STDX	CBX,GX, B-STDX
		DefaultBestEffort		CBX,GX, B-STDX	CBX,GX, B-STDX
		BestEffortTagging		CBX,GX	CBX,GX

Table 3-13. Relation of Attributes for ATM On Cell to ATM On Cell Circuit (Continued)

QoS	Priority	Traffic Descriptor Type	Parameters	ATM On Cell	ATM On Cell
VBRReal Time/VBR NonRealTime	1-4[a]	PcrClp01ScrClp0MbsClp0	param1, param2, param3	CBX,GX, B-STDX	CBX,GX, B-STDX
		PcrClp01ScrClp0MbsClp0Tag	param1, param2, param3	CBX,GX	CBX,GX
		PcrClp01ScrClp01MbsClp01	param1, param2, param3	CBX,GX	CBX,GX

[a] The priority value only applies to circuits that are on CBX 500 endpoints. Priority 4 is allowed only when both cell endpoints are on a CBX 500.

Table 3-14 illustrates the attribute dependencies for an ATM-on-Cell to ATM-on-Frame circuit.

Table 3-14. Relation of Attributes for ATM On Cell to ATM On Frame Circuit

QoS	Priority	Traffic Descriptor Type	Parameters	ATM On Cell	ATM on Frame
ABR	1-3	PcrClp0McrClp0	param1, param2	CBX,GX, B-STDX	B-STDX
UBR	1-3	PcrClp01	param1	CBX,GX, B-STDX	B-STDX
		DefaultBestEffort		CBX,GX, B-STDX	B-STDX
		BestEffortTagging		CBX,GX	N/A
VBRReal Time/VBR NonRealTime	(1,2,3)	PcrClp01ScrClp0MbsClp0	param1, param2, param3	CBX,GX, B-STDX	B-STDX
VBRNon RealTime		PcrClp01ScrClp0MbsClp0Tag	param1, param2,param 3	CBX,GX	N/A
		PcrClp01ScrClp01MbsClp01	param1, param2, param3	CBX,GX	N/A

Table 3-15 illustrates the attribute dependencies for an ATM-on-Cell to Frame Relay circuit.

Table 3-15. Relation of Attributes for ATM On Cell to Frame Relay Circuit

QoS	Priority	Traffic Descriptor Type	Parameters	ATM On Cell	Frame Relay
ABR	1-3	PcrClp0McrClp0	param1, param2	CBX,GX, B-STDX	N/A
UBR	1-3	PcrClp01	param1	CBX,GX, B-STDX	N/A
		DefaultBestEffort		CBX,GX, B-STDX	N/A
		BestEffortTagging		CBX,GX	N/A
VBRReal Time/VBR NonRealTime	(1,2,3)	PcrClp01ScrClp0MbsClp0	param1, param2, param3	CBX,GX, B-STDX	N/A
		PcrClp01ScrClp0MbsClp0Tag	param1, param2, param3	CBX,GX	N/A
		PcrClp01ScrClp01MbsClp01	param1, param2, param3	CBX,GX	N/A

Table 3-16 illustrates the attribute dependencies for an ATM-on-Frame to ATM-on-Frame circuit. This circuit type is not recommended.

Table 3-16. Relation of Attributes for ATM On Frame to ATM On Frame Circuit

QoS	Priority	Traffic Descriptor Type	Parameters	ATM On Frame	ATM On Frame
ABR	1-3	PcrClp0McrClp0	param1, param2	B-STDX	B-STDX
UBR	1-3	PcrClp01	param1	B-STDX	B-STDX
VBRReal Time/VBR NonRealTime	(1,2,3)	PcrClp01ScrClp0MbsClp0	param1, param2, param3	B-STDX	B-STDX
		DefaultBestEffort		B-STDX	B-STDX

Table 3-17 illustrates the attribute dependencies for an ATM-on-Frame to Frame Relay circuit.

Table 3-17. Relation of Attributes for ATM On Frame to Frame Relay Circuit

QoS	Priority	Traffic Descriptor Type	Parameters	ATM On Frame	Frame Relay
ABR	1-3	PcrClp0McrClp0	param1, param2	B-STDX	N/A
UBR	1-3	PcrClp01	param1	B-STDX	N/A
		DefaultBestEffort		B-STDX	N/A
VBRReal Time/VBR NonRealTime	(1,2,3)	PcrClp01ScrClp0MbsClp0	param1, param2, param3	B-STDX	N/A

Circuit Attribute Support

Table 3-18 lists the attributes supported by the following circuit types:

- Frame Relay-to-Frame Relay.
- Frame Relay-to-ATM on CELL.
- Frame Relay-to-ATM on Frame.
- ATM on CELL-to-ATM on CELL.
- ATM on CELL-to-ATM on Frame.
- ATM on Frame-to-ATM on Frame.

The ATM on Frame-to-ATM on Frame configuration is not recommended and may be restricted in the future.

Table 3-18. Circuit Attribute Support

Attribute	Frame Relay - Frame Relay	Frame Relay - ATM on CELL	Frame Relay - ATM on Frame	ATM on CELL - ATM on CELL	ATMCELL - ATM on Frame	ATM on Frame - ATM on Frame
CVA_Circuit**AcctChrgPartyId1**		✓[a]		✓	✓[a]	
CVA_Circuit**AcctChrgPartyId2**		✓[a]		✓	✓[a]	
CVA_Circuit**AcctPvcControl1**		✓[a]		✓	✓[a]	
CVA_Circuit**AcctPvcControl2**		✓[a]		✓	✓[a]	
CVA_Circuit**AcctUsageMeasure1**		✓[a]		✓	✓[a]	
CVA_Circuit**AcctUsageMeasure2**		✓[a]		✓	✓[a]	
CVA_Circuit**AdminCost**	✓	✓	✓	✓	✓	✓
CVA_Circuit**AdminStatus**	✓	✓	✓	✓	✓	✓
CVA_Circuit**BandwidthPriority**	✓	✓	✓	✓	✓	✓
CVA_Circuit**Bc1**	✓	✓[b]	✓[b]			
CVA_Circuit**Bc2**	✓	✓[b]	✓[b]			
CVA_Circuit**Be1**	✓	✓[b]	✓[b]			
CVA_Circuit**Be2**	✓	✓[b]	✓[b]			
CVA_Circuit**BumpingPriority**	✓	✓	✓	✓	✓	✓
CVA_Circuit**CdvTolerance**		✓[c]		✓[c]	✓[c]	
CVA_Circuit**Cir1**	✓	✓[b]	✓[b]			
CVA_Circuit**Cir2**	✓	✓[b]	✓[b]			
CVA_Circuit**CircuitType**				✓		
CVA_Circuit**CLP**		✓	✓			
CVA_Circuit**Clp0CellThresh1**		✓[d]		✓[d]	✓[d]	

Table 3-18. Circuit Attribute Support (Continued)

Attribute	Frame Relay - Frame Relay	Frame Relay - ATM on CELL	Frame Relay - ATM on Frame	ATM on CELL - ATM on CELL	ATMCELL - ATM on Frame	ATM on Frame - ATM on Frame
CVA_Circuit**Clp0CellThresh2**		✓[d]		✓[d]	✓[d]	
CVA_Circuit**Clp1CellThresh1**		✓[d]		✓[d]	✓[d]	
CVA_Circuit**Clp1CellThresh2**		✓[d]		✓[d]	✓[d]	
CVA_Circuit**CustomerName**	✓	✓	✓	✓	✓	✓
CVA_Circuit**DE**		✓	✓			
CVA_Circuit**Endpoint1PPortId**	✓	✓	✓	✓	✓	✓
CVA_Circuit**Endpoint1SlotId**	✓	✓	✓	✓	✓	✓
CVA_Circuit**Endpoint2**	✓	✓	✓	✓	✓	✓
CVA_Circuit**Endpoint2PPortId**	✓	✓	✓	✓	✓	✓
CVA_Circuit**Endpoint2SlotId**	✓	✓	✓	✓	✓	✓
CVA_Circuit**FrAcctChrgPartyId1**	✓	✓[b]	✓[b]			
CVA_Circuit**FrAcctChrgPartyId2**	✓	✓[b]	✓[b]			
CVA_Circuit**FrAcctPvcControl1**	✓	✓[b]	✓[b]			
CVA_Circuit**FrAcctPvcControl2**	✓	✓[b]	✓[b]			
CVA_Circuit**FrAcctUsageMeasure1**	✓	✓[b]	✓[b]			
CVA_Circuit**FrAcctUsageMeasure2**	✓	✓[b]	✓[b]			
CVA_Circuit**FrPvcParamRecording1**	✓	✓[b]	✓[b]			
CVA_Circuit**FrPvcParamRecording2**	✓	✓[b]	✓[b]			
CVA_Circuit**FrToAtmEFCI**		✓	✓			
CVA_Circuit**FwdDeltaBc**	✓[e]	✓[e]	✓[e]			
CVA_Circuit**FwdDeltaBe**	✓[e]	✓[e]	✓[e]			

Table 3-18. Circuit Attribute Support (Continued)

Attribute	Frame Relay - Frame Relay	Frame Relay - ATM on CELL	Frame Relay - ATM on Frame	ATM on CELL - ATM on CELL	ATMCELL - ATM on Frame	ATM on Frame - ATM on Frame
CVA_Circuit**FwdFcpDiscard**	✓	✓	✓	✓	✓	✓
CVA_Circuit**FwdFrameDiscardStatus**				✓		
CVA_Circuit**FwdParam1**		✓[f]	✓[f]	✓	✓	✓
CVA_Circuit**FwdParam2**		✓[f]	✓[f]	✓	✓	✓
CVA_Circuit**FwdParam3**		✓[f]	✓[f]	✓	✓	✓
CVA_Circuit**FwdQOSClass**	✓	✓	✓	✓	✓	✓
CVA_Circuit**FwdRateEnfScheme**	✓	✓[b]	✓[b]			
CVA_Circuit**FwdRedFramePercent**	✓[g]	✓[g]	✓[g]			
CVA_Circuit**FwdTrafficDescType**		✓[f]	✓[f]	✓	✓	✓
CVA_Circuit**FwdTrafficShaperId**		✓[h]		✓[h]	✓[h]	✓[h]
CVA_Circuit**FwdZeroCIR**	✓	✓[b]	✓[b]			
CVA_Circuit**GracefulDiscard**	✓	✓[b]	✓[b]			
CVA_Circuit**IsMgmtCkt**	✓	✓	✓	✓	✓	✓
CVA_Circuit**LimitOfPVCsEnabledOnCard1**		✓[a]		✓[a]	✓[a]	
CVA_Circuit**LimitOfPVCsEnabledOnCard2**		✓[a]		✓[a]	✓[a]	
CVA_Circuit**Loopback1**	✓	✓[b]	✓[b]			
CVA_Circuit**Loopback2**	✓	✓[b]	✓[b]			
CVA_Circuit**Mbs1**		✓[a]	✓[j]		✓[j]	✓[j]
CVA_Circuit**Mbs2**		✓[j]	✓[j]		✓[j]	✓[j]
CVA_Circuit**Name**	✓	✓	✓	✓	✓	✓

Table 3-18. Circuit Attribute Support (Continued)

Attribute	Frame Relay - Frame Relay	Frame Relay - ATM on CELL	Frame Relay - ATM on Frame	ATM on CELL - ATM on CELL	ATMCELL - ATM on Frame	ATM on Frame - ATM on Frame
CVA_Circuit**NdcEnable1**		✓[a]		✓[a]	✓[a]	
CVA_Circuit**NdcEnable2**		✓[a]		✓[a]	✓[a]	
CVA_Circuit**OamAlarms**		✓[i]		✓	✓[i]	
CVA_Circuit**Pcr1**		✓[j]	✓[j]		✓[j]	✓[j]
CVA_Circuit**Pcr2**		✓[j]	✓[j]		✓[j]	✓[j]
CVA_Circuit**Priority**	✓	✓	✓	✓	✓	✓
CVA_Circuit**PrivNetOverflow**	✓	✓	✓	✓	✓	✓
CVA_Circuit**RerouteBalance**	✓	✓	✓	✓	✓	✓
CVA_Circuit**RevDeltaBc**	✓	✓[e]	✓[e]			
CVA_Circuit**RevDeltaBe**	✓	✓[e]	✓[e]			
CVA_Circuit**RevFcpDiscard**	✓	✓	✓	✓	✓	✓
CVA_Circuit**RevFrameDiscardStatus**			✓			
CVA_Circuit**RevGracefulDiscard**	✓	✓[b]	✓[b]			
CVA_Circuit**RevParam1**		✓[f]	✓[f]	✓	✓	✓
CVA_Circuit**RevParam2**		✓[f]	✓[f]	✓	✓	✓
CVA_Circuit**RevParam3**		✓[f]	✓[f]	✓	✓	✓
CVA_Circuit**RevPriority**	✓	✓	✓	✓	✓	✓
CVA_Circuit**RevQOSClass**	✓	✓	✓	✓	✓	✓
CVA_Circuit**RevRateEnfScheme**	✓	✓[b]	✓[b]			
CVA_Circuit**RevRedFramePercent**	✓[g]	✓[g]	✓[g]			

Table 3-18. Circuit Attribute Support (Continued)

Attribute	Frame Relay - Frame Relay	Frame Relay - ATM on CELL	Frame Relay - ATM on Frame	ATM on CELL - ATM on CELL	ATMCELL - ATM on Frame	ATM on Frame - ATM on Frame
CVA_Circuit**RevTrafficDescType**		✓[f]	✓[f]	✓	✓	✓
CVA_Circuit**RevTrafficShaperId**		✓[h]		✓[h]	✓[h]	
CVA_Circuit**RevZeroCIR**	✓	✓[b]	✓[b]			
CVA_Circuit**Scr1**		✓[j]	✓[j]		✓[j]	✓[j]
CVA_Circuit**Scr2**		✓[j]	✓[j]		✓[j]	✓[j]
CVA_Circuit**TotalPVCsEnabledOnCard1**		✓[a]	✓[a]		✓[a]	✓[a]
CVA_Circuit**TotalPVCsEnabledOnCard2**		✓[a]	✓[a]		✓[a]	✓[a]
CVA_Circuit**TrafficMgmtCtd**[j]	✓	✓	✓	✓	✓	✓
CVA_Circuit**TrafficMgmtCtdStatus**[k]	✓	✓	✓	✓	✓	✓
CVA_Circuit**TrafficMgmtFwdCdvStatus**				✓[k]		
CVA_Circuit**TrafficMgmtFwdCdv**				✓[l]		
CVA_Circuit**TrafficMgmtFwdClrStatus**				✓[l]		
CVA_Circuit**TrafficMgmtFwdClr**				✓[l]		
CVA_Circuit**TrafficMgmtRevCdvStatus**				✓[l]		
CVA_Circuit**TrafficMgmtRevCdv**				✓[l]		
CVA_Circuit**TrafficMgmtRevClrStatus**				✓[l]		
CVA_Circuit**TrafficMgmtRevClr**				✓[l]		
CVA_Circuit**TranslationType**		✓	✓			
CVA_Circuit**UpcFunction**		✓[c]		✓	✓[c]	
CVA_Circuit**VpnName**	✓	✓	✓	✓	✓	✓

[a] Applies only to CBX Cell endpoints.

[b] Applies only on the Frame Relay Endpoint.

[c] Applies only to CBX/GX Cell endpoints

[d] Applies when Ndc is Enabled on that endpoint.

[e] Applies only on the Frame Relay endpoint and only when RateEnf is set to Jump.

[f] Applies only on the ATM endpoint (both on Cell and on Frame Relay).

[g] Applies on a Frame Relay endpont and only when GracefulDiscard is on.

[h] Applies only on B-STDX Cell-based endpoints.

[i] Applies only on the ATM-on-Cell endpoint.

[j] When CtdStatus is enabled, Ctd is required.

[k] Applies only when both endpoints are Cell-based and are directly affected by the QoS class. For more information, refer to the discussion of extended QoS parameter attributes in Chapter 6, "Configuring ATM PVCs," of the *NavisCore ATM Configuration Guide*.

Multi-Hop endpoints only support Vbrrt, Vbrnrt, and Ubr QoS classes.

Circuit Attribute Descriptions

Table 3-19 provides the following information for each Provisioning Server Circuit attribute:

- Argument ID symbol. This column includes the API Name, the CLi name, and one or more MIB names. If the circuit is ATM-on-Cell to an ATM-on-Cell, the MIB attributes that would be used are in the ATM Circuit tables (atmCircuitEndpointFrameDiscard or atmCircuitServiceNameEndpointFrameDiscard).

  If the Circuit has a Frame Relay endpoint, the attributes in the frCircuit tables are used. If the Circuit is an ATM (on Cell or on Frame)-to-Frame Relay (Interworking Circuit), the Frame Relay endpoint will be in the frCircuit tables and the ATM endpoint will be in the Interworking tables. If the circuit is an ATM-on-Cell to ATM-on-Frame, or ATM-on-Frame to ATM-on-Frame for all attributes that apply, both endpoints are located on the Interworking Circuit table.

  The Accounting Attributes have separate MIB tables for each service (Frame Relay and ATM); consult the switch software for Accounting support.

  The Ndc Attributes for the CBX switch have a separate table.

- Data type.

- Default value.
- Access restrictions.

The following attributes are Interworking circuits only (Frame Relay to ATM):
CVA_Circuit**CLP**
CVA_Circuit**DE**
CVA_Circuit**FrToAtmEFCI**
CVA_Circuit**TranslationType**

In the following tables, an asterisk (*) following a MIB variable indicates that the variable is used only when the endpoint is a ServiceName.

Table 3-19. Circuit Attribute Descriptions

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) ***Comments***	**Data Type**	**Default Value (API and CLI)**	**Access**
CVA_Circuit**AcctChrgPartyId1** atmCircuitBillingAcctChrgPartyId1 *Applies only to CBX ATM Cell End points.*	LONG		Read-Write
CVA_Circuit**AcctChrgPartyId2** atmCircuitBillingAcctChrgPartyId2 *Applies only to CBX ATM Cell End points.*	LONG		Read-Write
CVA_Circuit**AcctPvcControl1** atmCircuitBillingAcctPvcControl1 *Applies only to CBX ATM Cell End points.*	CvCktAtmBillPvc Control	cvCktAtmBillControl Enabled Enabled	Read-Write
CVA_Circuit**AcctPvcControl2** atmCircuitBillingAcctPvcControl2 *Applies only to CBX ATM Cell End points.*	CvCktAtmBillPvc Control	cvCktAtmBillControl Enabled Enabled	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**AcctUsageMeasure1** atmCircuitBillingAcctUsageMeasure1 *Applies only to CBX ATM Cell End points.*	CvCktAtmBillUsage	cvCktAtmBillUsage Enabled Enabled	Read-Write
CVA_Circuit**AcctUsageMeasure2** atmCircuitBillingAcctUsageMeasure2 *Applies only to CBX ATM Cell End points.*	CvCktAtmBillUsage	cvCktAtmBillUsage Enabled Enabled	Read-Write
CVA_Circuit**ActualPath** circuitOperInfoActualPath	STRING	N/A	Read-Only
CVA_Circuit**AdminCost** circuitCrossConnectAdminCostThreshold *Configurable OSPF Admin Cost.*	LONG (Range: 0 - 0xFFFFFFFF)	0 (0 is invalid)	Read-Write
CVA_Circuit**AdminStatus** circuitCrossConnectAdminStatus	CvCircuitAdminStatus	circuitAdminUp Up	Read-Write
CVA_Circuit**Alias** circuitCrossConnectAlias	STRING		Read-Write
CVA_Circuit**BandwidthPriority** circuitCrossConnectBandwidthPriority	ILONG (Range: 0 - 15) (This has changed from 0 - 3 in the previous release.)	0	Read-Write
CVA_Circuit**Bc1** frCircuitEndpointBc frCircuitServiceNameEndpointBc*	LONG		Read-Write
CVA_Circuit**Bc2** frCircuitEndpointBc frCircuitServiceNameEndpointBc*	LONG		Read-Write
CVA_Circuit**Be1** frCircuitEndpointBe frCircuitServiceNameEndpointBe*	LONG		Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Be2** frCircuitEndpointBe frCircuitServiceNameEndpointBe*	LONG		Read-Write
CVA_Circuit**BumpingPriority** circuitCrossConnectBumpingPriority	LONG (Range: 0 - 7)	0	Read-Write
CVA_Circuit**CdvTolerance** circuitCrossConnectCDVTolerance	LONG (Range: 1 - 65535)	600	Read-Write
CVA_Circuit**Cir1** frCircuitEndpointCir frCircuitServiceNameEndpointCir*	LONG		Read-Write
CVA_Circuit**Cir2** frCircuitEndpointCir frCircuitServiceNameEndpointCir*	LONG		Read-Write
CVA_Circuit**CircuitType** circuitCrossConnectCircuitType	cvAtmPvcType	cvAtmVcc Vcc	Read-Only
CVA_Circuit**CLP** circuitCrossConnectCellLossPriority	LONG (Range: 0 - 2)	0	Read-Write
CVA_Circuit**Clp0CellThresh1** atmCircuitNdcClp0CellThresh1 *Applies only when the value of the CVA_CircuitNdcEnable1 is On.*	LONG (Range: 0 - 1500000)	0	Read-Write
CVA_Circuit**Clp0CellThresh2** atmCircuitNdcClp0CellThresh2 *Applies only when the value of the CVA_CircuitNdcEnable2 is On.*	LONG (Range: 0 - 1500000)	0	Read-Write
CVA_Circuit**Clp1CellThresh1** atmCircuitNdcClp1CellThresh1 *Applies only when the value of the CVA_CircuitNdcEnable1 is On.*	LONG (Range: 0 - 1500000)	0	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Clp1CellThresh2** atmCircuitNdcClp1CellThresh2 *Applies only when the value of the CVA_CircuitNdcEnable2 is On.*	LONG (Range: 0 - 1500000)	0	Read-Write
CVA_Circuit**CustomerName** circuitCrossConnectCustomerName	STRING (Length: 64)	Public	Read-Write
CVA_Circuit**DE** circuitCrossConnectDiscardEligibility	LONG	0	Read-Write
CVA_Circuit**Endpoint1** circuitCrossConnectSwitchId1 circuitCrossConnectIfIndex1 circuitCrossConnectDLCI1 circuitCrossConnectNetworkId1* circuitCrossConnectServiceName1* *Mandatory attribute.* *In the MIB, this attribute is repesented by three variables: SwitchId1, IfIndex1, and DCLI1* *If the endpoint1 has a service name binding associated with it, it is represented by NetworkId, ServiceName, and DLCI.* *For an ATM Endpoint, the DLCI above is replaced with VPI and VCI:* *circuitCrossConnectVPI1* *circuitCrossConnectVCI1*	OBJID		Create-Only
CVA_Circuit**Endpoint1PPortId** frCircuitEndpointPPortId frCircuitServiceNameEndpointPPortId* interworkingCircuitEndpointPPortId interworkingCircuitServiceNameEndpoint PPortId* atmCircuitEndpointPPortId atmCircuitServiceNameEndpointPPortId*	LONG		Read-Only

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Endpoint1SlotId** frCircuitEndpointSlotId frCircuitServiceNameEndpointSlotId* interworkingCircuitEndpointSlotId interworkingCircuitServiceNameEndpoint SlotId* atmCircuitEndpointSlotId atmCircuitServiceNameEndpointSlotId*	LONG		Read-Only
CVA_Circuit**Endpoint2** circuitCrossConnectSwitchId2 circuitCrossConnectIfIndex2 circuitCrossConnectDLCI2 circuitCrossConnectNetworkId2* circuitCrossConnectServiceName2* *Mandatory attribute.* *In the MIB, this attribute is repesented by three variables: SwitchId2, IfIndex2, and DCLI2.* *If the endpoint2 has a service name binding associated with it, it is represented by NetworkId, ServiceName, and DLCI.* *For an ATM Endpoint, the DLCI above is replaced with VPI and VCI:* *circuitCrossConnectVPI2* *circuitCrossConnectVCI2*	OBJID		Create-Only
CVA_Circuit**Endpoint2PPortId** frCircuitEndpointPPortId frCircuitServiceNameEndpointPPortId* interworkingCircuitEndpointPPortId interworkingCircuitServiceName EndpointPPortId* atmCircuitEndpointPPortId atmCircuitServiceNameEndpointPPortId*	LONG		Read-Only

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Endpoint2SlotId** frCircuitEndpointSlotId frCircuitServiceNameEndpointSlotId* interworkingCircuitEndpointSlotId interworkingCircuitServiceNameEndpoint SlotId* atmCircuitEndpointSlotId atmCircuitServiceNameEndpointSlotId*	LONG		Read-Only
CVA_Circuit**FrAcctChrgPartyId1** frCircuitBillingAcctChrgPartyId1	LONG		Read-Write
CVA_Circuit**FrAcctChrgPartyId2** frCircuitBillingAcctChrgPartyId2	LONG		Read-Write
CVA_Circuit**FrAcctPvcControl1** frCircuitBillingAcctPvcControl1	CvCktAtmBillPvcControl	cvCktAtmBillControlEnabled Enabled	Read-Write
CVA_Circuit**FrAcctPvcControl2** frCircuitBillingAcctPvcControl2	CvCktAtmBillPvc Control	cvCktAtmBillControlEnabled Enabled	Read-Write
CVA_Circuit**FrAcctUsageMeasure1** frCircuitBillingAcctUsageMeasure1 *This refers to the SVC Usage Measurement in the NavisCore Doc.*	CvCktFrBillUsage Measure	cvCktFrBillUsage MeasureDeBytes DeBytes	Read-Write
CVA_Circuit**FrAcctUsageMeasure2** frCircuitBillingAcctUsageMeasure2 *This refers to the SVC Usage Measurement in the NavisCore Doc.*	CvCktFrBillUsage Measure	cvCktFrBillUsage MeasureDeBytes DeBytes	Read-Write
CVA_Circuit**FrPvcParamRecording1** frCircuitBillingPvcParamRecording1	CvCktParamRecording	cvCktParamRecording Disabled Disabled	Read-Write
CVA_Circuit**FrPvcParamRecording2** frCircuitBillingPvcParamRecording2 *Assume endpoint2 is frame-based.*	CvCktParamRecording	cvCktParamRecording Disabled Disabled	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**FrToAtmEFCI** circuitCrossConnectFrToAtmEFCI *Applies only to Frame Relay to ATM circuits.*	CvCktFrToAtmEFCI	cvFRFecn Fr-Fecn	Read-Write
CVA_Circuit**FwdDeltaBc** frCircuitEndpointDeltaBc frCircuitServiceNameEndpointDeltaBc* *Applies only when the value of CVA_CircuitFwdRateEnfScheme is Jump.*	LONG (Range: 0 - 65528)	65528	Read-Write
CVA_Circuit**FwdDeltaBe** frCircuitEndpointDeltaBe frCircuitServiceNameEndpointDelataBe* *Applies only when the value of CVA_CircuitFwdRateEnfScheme is Jump.*	LONG (Range: 0 - 65528)	65528	Read-Write
CVA_Circuit**FwdFcpDiscard** frCircuitEndpointFcpDiscard frCircuitServiceNameFcpDiscard interworkingCircuitFcpDiscard interworkCircuitServiceNameFcpDiscard atmCircuitEndpointFcpDiscard atmCircuitServiceNameEndpointFcpDiscard*	CvDiscardSelect	discardSelectEnabled EPD	Read-Write
CVA_Circuit**FwdFrameDiscardStatus** atmCircuitEndpointFrameDiscard atmCircuitServiceNameEndpointFrameDiscard*	CvCktFrameDiscard	cktFrameDiscardDisabled Disabled	Read-Write
CVA_Circuit**FwdParam1** interworkingCicruitTrafficParam1 interworkingCircuitServiceNameTraffic Param1 atmCircuitEndpointTrafficDescrParam1 atmCircuitServiceNameEndpointTraffic DescrParam1* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**FwdParam2** interworkingCircuitTrafficParam2 interworkingCircuitServiceNameTraffic Param2 atmCircuitEndpointTrafficDescrParam2 atmCircuitServiceNameEndpointTraffic DescrParam2* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write
CVA_Circuit**FwdParam3** interworkingCircuitTrafficParam3 interworkingCircuitServiceNameTraffic Param3 atmCircuitEndpointTrafficDescrParam3 atmCircuitServiceNameEndpointTraffic DescrParam3* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write
CVA_Circuit**FwdQOSClass** frCircuitEndpointQosClass frCircuitServiceNameEndpointQosClass* interworkingCircuitEndpointQosClass interworkingCircuitServiceNameEndpoint QosClass* atmCircuitEndpointQosClass atmCircuitServiceNameEndpointQos Class*	cvClassOfSrv	(Review QoS Tables)	Read-Write
CVA_Circuit**FwdRateEnfScheme** frCircuitEndpointRateEnfScheme frCircuitServiceNameEndpointRateEnf Scheme*	RateEnforcement Scheme	SimpleScheme Simple	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**FwdRedFramePercent** frCircuitEndpointRedFramePercent frCircuitServiceNameEndpointRed FramePercent* *Applies when Rate Enforcement is set to Jump and Graceful Discard is on.*	LONG (Range: 0 - 100)	100	Read-Write
CVA_Circuit**FwdTrafficDescType** interworkingCircuitEndpointTraffic DescrType InterworkingCircuitServiceNameEndpoint TrafficDescrType atmCircuitEndpointTrafficDescrType atmCircuitServiceNameEndpointTraffic DescrType*	cvAtmTrafficDescType	cvAtmTfD_PcrClp0PcrClp0 1 PcrClp0PcrClp01	Read-Write
CVA_Circuit**FwdTrafficShaperId** interworkingCircuitEndpointShaperId interworkingCircuitServiceNameEndpoint ShaperId atmCircuitEndpointShaperId atmCircuitServiceNameEndpointShaperId *This attribute is only applicable when the endpoint is on a IWU, CSDS3 or CSE3 card type.*	LONG (Range: 1 - 15)		Read-Write
CVA_Circuit**FwdZeroCIR** frCircuitEndpointZeroCIREnabled frCircuitServiceNameEndpointCIR Enabled*	CvCircuitZeroCIR	cvCircuitZeroCIROff Off	Read-Write
CVA_Circuit**GracefulDiscard** frCircuitEndpointGracefulDiscard frCircuitServiceNameEndpointGraceful Discard*	CvGracefulDiscard	cvGracefulDisard Enabled On	Read-Write
CVA_CircuitIsMgmtCkt circuitCrossConnectIsMgmtCkt	LONG	CvFalse False	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**LimitOfPVCsEnabledOnCard1** atmCircuitNdcLimitOfPVCsEnabledOnCard1 *Applies only to the CBX endpoints.*	LONG	360	Read-Only
CVA_Circuit**LimitOfPVCsEnabledOnCard2** atmCircuitNdcLimitOfPVCsEnabledOnCard2 *Applies only to the CBX endpoints.*	LONG	360	Read-Only
CVA_Circuit**Loopback1** frCircuitEndpointLoopback frCircuitServiceNameEndpointLoopback	CvPVCLoopbackStatus	cvPVCLoopbackNormal Normal	Modify-Only
CVA_Circuit**Loopback2** frCircuitEndpointLoopback frCircuitServiceNameEndpointLoopback	CvPVCLoopbackStatus	cvPVCLoopbackNormal Normal	Modify-Only
CVA_Circuit**Mbs1** interworkingCircuitEndpointMbs interworkingCircuitServiceNameEndpointMbs* *Backward compatibility attribute.*	LONG		Read-Write
CVA_Circuit**Mbs2** interworkingCircuitEndpointMbs interworkingCircuitServiceNameEndpointMbs* *Backward compatability attribute.*	LONG		Read-Write
CVA_Circuit**Name** circuitCrossConnectCircuitName *Mandatory attribute.*	STRING		Create-Only
CVA_Circuit**NdcEnable1** atmCircuitNdcEnable1 *Applies only to CBX ATM Cell endpoint.*	CvCktNdcEnable	cktNdcEnableOff Off	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**NdcEnable2** atmCircuitNdcEnable2 *Applies only to CBX ATM Cell endpoints.*	CvCktNdcEnable	cktNdcEnableOff Off	Read-Write
CVA_Circuit**OamAlarms** circuitCrossConnectOAMAlarmsEnabled	CvOamAlarms	cvOamAlarmsEnabled Enabled	Read-Write
CVA_Circuit**Pcr1** interworkingCircuitEndpointPcr interworkingCircuitServiceName EndpointPcr* *Backward compatability attribute.*	LONG		Read-Write
CVA_Circuit**Pcr2** interworkingCircuitEndpointPcr interworkingCircuitServiceNameEndpoint Pcr* *Backward compatability attribute.*	LONG		Read-Write
CVA_Circuit**Priority** frCircuitEndpointCircuitPriority frCircuitServiceNameCircuitPriority interworkingCircuitEndpointCircuit Priority interworkingCircuitServiceNameCircuit Priority atmCircuitEndpointCircuitPrority atmCircuitServiceNameEndpointCircuit Priority*	CvCircuitPriority	cvCircuitPriorityHigh 1 QOS UBR 3 CvCircuitPriorityLow	Read-Write
CVA_Circuit**PrivNetOverflow** circuitCrossConnectPrivateNetOverflow	PrivateNetOverflow Mode	PrivateNetOverflow Public Public	Read-Write
CVA_Circuit**PvcDelay** circuitOperInfoPvcDelay	INT	N/A	Read-Only
CVA_Circuit**RerouteBalance** circuitCrossConnectRerouteBalancing	CvCktRerouteBalance	cktRerouteBalance Enabled Enabled	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**RevDeltaBc** frCircuitEndpointDeltaBc frCircuitServiceNameEndpointDeltaBc* *Applies only when the value of CVA_CircuitRevRateEnfScheme is Jump.*	LONG (Range: 0 - 65528)	65528	Read-Write
CVA_Circuit**RevDeltaBe** frCircuitEndpointDeltaBe frCircuitServiceNameEndpointDeltaBe* *Applies only when the value of CVA_CircuitRevRateEnfScheme is Jump.*	LONG (Range: 0 - 65528)	65528	Read-Write
CVA_Circuit**RevFcpDiscard** frCircuitEndpointFcpDiscard frCircuitServiceNameFcpDiscard interworkingCircuitFcpDiscard interworkCircuitServiceNameFcpDiscard atmCircuitEndpointFcpDiscard atmCircuitServiceNameEndpointFcp Discard*	CvDiscardSelect	discardSelectEnabled EPD	Read-Write
CVA_Circuit**RevFrameDiscardStatus** atmCircuitEndpointFrameDiscard atmCircuitServiceNameEndpointFrame Discard* *Applies only when both endpoints are cell based.*	CvCktFrameDiscard	cktFrameDiscard Disabled Disabled	Read-Write
CVA_Circuit**RevGracefulDiscard** frCircuitEndpointGracefulDiscard frCircuitServiceNameEndpointGraceful Discard*	CvGracefulDiscard	cvGracefulDiscard Enabled On	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**RevParam1** interworkingCicruitTrafficParam1 interworkingCircuitServiceNameTraffic Param1 atmCircuitEndpointTrafficDescrParam1 atmCircuitServiceNameEndpointTraffic DescrParam1* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write
CVA_Circuit**RevParam2** interworkingCircuitTrafficParam2 interowkringCircuitServiceNameTraffic Param2 atmCircuitEndpointTrafficDescrParam2 atmCircuitServiceNameEndpointTraffic DescrParam2* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write
CVA_Circuit**RevParam3** interworkingCircuitTrafficParam3 interworkingCircuitServiceNameTraffic Param3 atmCircuitEndpointTrafficDescrParam3 atmCircuitServiceNameEndpointTraffic DescrParam3* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**RevPriority** frCircuitEndpointCircuitPriority frCircuitServiceNameEndpointPriority* interworkingCircuitEndpointCircuit Priority interworkingCircuitServiceName EndpointPriority* *Assumes the circuit has an endpoint that is either Frame Relay or ATM on a Frame based card.* atmCircuitEndpointCircuitPriority atmCircuitServiceNameEndpoint Priority*	CvCircuitPriority	cvCircuitPriorityHigh 1 for QoS 3 cvCircuitPriorityLow	Read-Write
CVA_Circuit**RevQOSClass** frCircuitEndpointQosClass frCircuitServiceNameEndpointQos Class* interworkingCircuitEndpointQosClass interworkingCircuitServiceName EndpointQosClass* *Assumes the circuit has an endpoint that is either Frame Relay or ATM on a Frame based card.* atmCircuitEndpointQosClass atmCircuitServiceNameEndpointQos Class*	cvClassOfSrv	cvCOSVBRNonReal Time VBRNonRealTime	Read-Write
CVA_Circuit**RevRateEnfScheme** frCircuitEndpointRateEnfScheme frCircuitServiceNameEndpointRate EnfScheme*	RateEnforcement Scheme	simpleScheme Simple	Read-Write
CVA_Circuit**RevRedFramePercent** frCircuitEndpointRedFramePercent frCircuitServiceNameEndpointRed FramePercent*	LONG (Range: 0 - 100)	100	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**RevTrafficDescType** interworkingCircuitEndpointTrafficDescr Type interworkingServiceNameEndpointTraffic DescrType *Assumes the circuit has an endpoint that is either Frame Relay or ATM on a Frame based card.* atmCircuitEndpointTrafficDescrType atmCircuitServiceNameEndpointTraffix DescrType* *Assumes both endpoints are ATM on Cell Based.*	cvAtmTrafficDescType	cvAtmTfD_PcrClp 0PcrClp01 PcrClp0PcrClp01	Read-Write
CVA_Circuit**RevTrafficShaperId** interworkingCircuitEndpointShaperId interworkingCircuitServiceNameEndpoint ShaperId *Assumes the circuit has an endpoint that is either Frame Relay or ATM on a Frame based card.* atmCircuitEndpointShaperId atmCircuitServiceNameEndpointShaperId *This attribute is only applicable where the endpoint is on a IWU, CSDS3 or CSE3 card type.*	LONG (Range: 1 - 15)		Read-Write
CVA_Circuit**RevZeroCIR** frCircuitEndpointZeroCIREnabled frCircuitServiceNameEndpointZero CIREnabled*	CvCircuitZeroCIR	cvCircuitZeroCIROff Off	Read-Write
CVA_Circuit**Scr1** interworkingCircuitEndpointScr interworkingCircuitServiceName EndpointScr* *Backward compatability attribute.*	LONG		Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Scr2** interworkingCircuitEndpointScr interworkingCircuitServiceName EndpointScr* *Backward compatability attribute.*	LONG		Read-Write
CVA_Circuit**TotalPVCsEnabledOn Card1** atmCircuitNdcTotalPVCsEnabledOn Card1	LONG		Read-Only
CVA_Circuit**TotalPVCsEnabledOn Card2** atmCircuitNdcTotalPvcsEnabledOnCard2	LONG		Read-Only
CVA_Circuit**TrafficMgmtCtd** circuitCrossConnectTrafficMgmtCdv	LONG (Range: 1 - 16777215)		Read-Write
CVA_Circuit**TrafficMgmtCtdStatus** circuitCrossConnectTrafficMgmtCtd Status	CvTrafficMgmtStatus	cvTrafficMgmt Disabled Disabled	Read-Write
CVA_Circuit**TrafficMgmtFwdCdv** atmCircuitEndpointTrafficMgmtCdv atmCircuitServiceNameEndpointTraffic MgmtCdv*	LONG (Range: 1 - 16777215)		Read-Write
CVA_Circuit**TrafficMgmtFwdCdv Status** atmCircuitEndpointTrafficMgmtCdv Status atmCircuitServiceNameEndpointTraffic MgmtCdvStatus	CvTrafficMgmtStatus	cvTrafficMgmt Disabled Disabled	Read-Write
CVA_Circuit**TrafficMgmtFwdClr** atmCircuitEndpointTrafficMgmtClr atmCircuitServiceNameEndpointClr*	LONG (Range: 1 - 255)		Read-Write
CVA_CircuitTraffic**MgmtFwdClrStatus** atmCircuitEndpointTrafficMgmtClrStatus atmCircuitServiceNameEndpointClrStatus	CvTrafficMgmtStatus	cvTrafficMgmt Disabled Disabled	Read-Write

Table 3-19. Circuit Attribute Descriptions (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**TrafficMgmtRevCdv** atmCircuitEndpointTrafficMgmtCdv atmCircuitServiceNameEndpointCdv*	LONG (Range: 1 - 16777215)		Read-Write
CVA_CircuitTraffic**MgmtRevCdvStatus** atmCircuitEndpointTrafficMgmtCdv Status atmCircuitServiceNameEndpointTraffic MgmtCdvStatus	CvTrafficMgmtStatus	cvTrafficMgmt Disabled Disabled	Read-Write
CVA_Circuit**TrafficMgmtRevClr** atmCircuitEndpointTrafficMgmtClr atmCircuitServiceNameEndpoinnt TrafficMgmtClr*	LONG (Range: 1 - 255)		Read-Write
CVA_CircuitTraffic**MgmtRevClrStatus** atmCIrcuitEndpointTrafficMgmtCltStatus atmCircuitServiceNameEndpointTraffic MgmtClrStatus	CvTrafficMgmtStatus	cvTrafficMgmt Disabled Disabled	Read-Write
CVA_Circuit**TranslationType** circuitCrossConnectTranslationType	CvCircuitXlationType	xlation483and1490 1483and1490	Read-Write
CVA_Circuit**UpcFunction** CircuitCrossConnectUpcFunction	CvAtmUpcFunction	cvUpcEnabled Enabled	Read-Write
CVA_Circuit**VpnName** circuitCrossConnectVpnName	STRING	Public	Read-Write

Table 3-20 lists and describes attributes for Frame Relay-to-Frame Relay circuits.

Table 3-20. Circuit Attribute Descriptions: Frame Relay-to-Frame Relay

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**AdminCost** circuitCrossConnectAdminCostThreshold Configurable OSPF Admin Cost‘	LONG (Range: 0 - 0xFFFFFFFF)	0 (0 is invalid)	Read-Write
CVA_Circuit**AdminStatus** circuitCrossConnectAdminStatus	CvCircuitAdminStatus	circuitAdminUp Up	Read-Write
CVA_Circuit**Alias** circuitCrossConnectAlias	STRING		Read-Write
CVA_Circuit**BandwidthPriority** circuitCrossConnectBandwidthPriority	LONG (Range: 0 - 15)	0	Read-Write
CVA_Circuit**Bc1** frCircuitEndpointBc frCircuitServiceNameEndpointBc*	LONG		Read-Write
CVA_Circuit**Bc2** frCircuitEndpointBc frCircuitServiceNameEndpointBc*	LONG		Read-Write
CVA_Circuit**Be1** frCircuitEndpointBe frCircuitServiceNameEndpointBe*	LONG		Read-Write
CVA_Circuit**Be2** frCircuitEndpointBe frCircuitServiceNameEndpointBe*	LONG		Read-Write
CVA_Circuit**BumpingPriority** circuitCrossConnectBumpingPriority	LONG (Range: 0 - 7)	0	Read-Write
CVA_Circuit**Cir1** frCircuitEndpointCir frCircuitServiceNameEndpointCir*	LONG		Read-Write
CVA_Circuit**Cir2** frCircuitEndpointCir frCircuitServiceNameEndpointCir*	LONG		Read-Write

Table 3-20. Circuit Attribute Descriptions: Frame Relay-to-Frame Relay (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**CustomerName** circuitCrossConnectCustomerName	STRING (Length: 64)	Public	Read-Write
CVA_Circuit**Endpoint1** circuitCrossConnectSwitchId1 circuitCrossConnectIfIndex1 circuitCrossConnectDLCI1 circuitCrossConnectNetworkId1* circuitCrossConnectServiceName1* *Mandatory attribute.* *In the MIB, this attribute is repesented by three variables: SwitchId1, IfIndex1, and DCLI1* *If the endpoint has a service name binding associated with it, it is represented by NetworkId, ServiceName, and DLCI.* *For an ATM Endpoint, the DLCI above is replaced with VPI and VCI:* *circuitCrossConnectVPI1* *circuitCrossConnectVCI1*	OBJID		Create-Only
CVA_Circuit**Endpoint1PPortId** frCircuitEndpointPPortId frCircuitServiceNameEndpointPPortId*	LONG		Read-Only
CVA_Circuit**Endpoint1SlotId** frCircuitEndpointSlotId frCircuitServiceNameEndpointSlotId*	LONG		Read-Only

Table 3-20. Circuit Attribute Descriptions: Frame Relay-to-Frame Relay (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Endpoint2** circuitCrossConnectSwitchId2 circuitCrossConnectIfIndex2 circuitCrossConnectDLCI2 circuitCrossConnectNetworkId2* circuitCrossConnectServiceName2* *Mandatory attribute.* *In the MIB, this attribute is repesented by three variables: SwitchId2, IfIndex2, and DCLI2.* *If the endpoint2 has a service name binding associated with it, it is represented by NetworkId, ServiceName, and DLCI.* *For an ATM Endpoint, the DLCI above is replaced with VPI and VCI:* *circuitCrossConnectVPI2* *circuitCrossConnectVCI2*	OBJID		Create-Only
CVA_Circuit**Endpoint2PPortId** frCircuitEndpointPPortId frCircuitServiceNameEndpointPPortId*	LONG		Read-Only
CVA_Circuit**Endpoint2SlotId** frCircuitEndpointSlotId frCircuitServiceNameEndpointSlotId*	LONG		Read-Only
CVA_Circuit**FrAcctChrgPartyId1** frCircuitBillingAcctChrgPartyId1 *Attribute only applies on the B-STDX platform.*	LONG		Read-Write
CVA_Circuit**FrAcctChrgPartyId2** frCircuitBillingAcctChrgPartyId2 *Attribute only applies on the B-STDX platform.*	LONG		Read-Write
CVA_Circuit**FrAcctPvcControl1** frCircuitBillingAcctPvcControl1 *Attribute only applies on the B-STDX platform.*	CvCktAtmBillPvcControl	cvCktAtmBillControl Enabled Enabled	Read-Write

Table 3-20. Circuit Attribute Descriptions: Frame Relay-to-Frame Relay (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**FrAcctPvcControl2** frCircuitBillingAcctPvcControl2 *Attribute only applies on the B-STDX platform.*	CvCktAtmBillPvc Control	cvCktAtmBillControl Enabled Enabled	Read-Write
CVA_Circuit**FrAcctUsageMeasure1** frCircuitBillingAcctUsageMeasure1 *Attribute only applies on the B-STDX platform.* *This refers to the SVC Usage Measurement in the NavisCore Doc*	CvCktFrBillUsage Measure	cvCktFrBillUsage MeasureDeBytes DeBytes	Read-Write
CVA_Circuit**FrAcctUsageMeasure2** frCircuitBillingAcctUsageMeasure2 *Attribute only applies on the B-STDX platform.* *This refers to the SVC Usage Measurement in the NavisCore Doc.*	CvCktFrBillUsage Measure	cvCktFrBillUsage MeasureDeBytes DeBytes	Read-Write
CVA_Circuit**FrPvcParamRecording1** frCircuitBillingPvcParamRecording1 *Attribute only applies on the B-STDX platform.*	CvCktParamRecording	cvCktParamRecording Disabled Disabled	Read-Write
CVA_Circuit**FrPvcParamRecording2** frCircuitBillingPvcParamRecording2 *Assume endpoint2 is frame-based.* *Attribute only applies on the B-STDX platform.*	CvCktParamRecording	cvCktParamRecording Disabled Disabled	Read-Write
CVA_Circuit**FwdDeltaBc** frCircuitEndpointDeltaBc frCircuitServiceNameEndpointDeltaBc* *Applies only when the value of CVA_CircuitFwdRateEnfScheme is Jump.*	LONG (Range: 0 - 65528)	65528	Read-Write
CVA_Circuit**FwdDeltaBe** frCircuitEndpointDeltaBe frCircuitServiceNameEndpointDelataBe* *Applies only when the value of CVA_CircuitFwdRateEnfScheme is Jump.*	LONG (Range: 0 - 65528)	65528	Read-Write

Table 3-20. Circuit Attribute Descriptions: Frame Relay-to-Frame Relay (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**FwdFcpDiscard** frCircuitEndpointFcpDiscard frCircuitServiceNameFcpDiscard *Assume the endpoints are cell-based.*	CvDiscardSelect	discardSelectDisabled EPD	Read-Write
CVA_Circuit**FwdQOSClass** frCircuitEndpointQosClass frCircuitServiceNameEndpointQosClass*	cvClassOfSrv	(Review QoS Tables)	Read-Write
CVA_Circuit**FwdRateEnfScheme** frCircuitEndpointRateEnfScheme frCircuitServiceNameEndpointRateEnf Scheme*	RateEnforcement Scheme	SimpleScheme Simple	Read-Write
CVA_Circuit**FwdRedFramePercent** frCircuitEndpointRedFramePercent frCircuitServiceNameEndpointRed FramePercent*	LONG (Range: 0 - 100)	100	Read-Write
CVA_Circuit**FwdZeroCIR** frCircuitEndpointZeroCIREnabled frCircuitServiceNameEndpointCIR Enabled*	CvCircuitZeroCIR	cvCircuitZeroCIROff Off	Read-Write
CVA_Circuit**GracefulDiscard** frCircuitEndpointGracefulDiscard frCircuitServiceNameEndpointGraceful Discard*	CvGracefulDiscard	cvGracefulDisard Enabled On	Read-Write
CVA_Circuit**IsMgmtCkt** circuitCrossConnectIsMgmtCkt	LONG	CvFalse False	Read-Write
CVA_Circuit**LimitOfPVCsEnabledOn Card1** atmCircuitNdcLimitOfPVCsEnabledOn Card1 *Applies only to the CBX endpoints.*	LONG	360	Read-Only
CVA_Circuit**Loopback1**	CvPVCLoopbackStatus	cvPVCLoopbackNormal Normal	Modify-Only

Table 3-20. Circuit Attribute Descriptions: Frame Relay-to-Frame Relay (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Loopback2**	CvPVCLoopbackStatus	cvPVCLoopbackNormal Normal	Modify-Only
CVA_Circuit**Name** circuitCrossConnectCircuitName *Mandatory attribute.*	STRING		Create-Only
CVA_Circuit**Priority** frCircuitEndpointCircuitPriority frCircuitServiceNameCircuitPriority	CvCircuitPriority	cvCircuitPriorityHigh 1	Read-Write
CVA_Circuit**PrivNetOverflow** circuitCrossConnectPrivateNetOverflow	PrivateNetOverflow Mode	PrivateNetOverflow Public Public	Read-Write
CVA_Circuit**RerouteBalance** circuitCrossConnectRerouteBalancing	CvCktRerouteBalance	cktRerouteBalance Enabled Enabled	Read-Write
CVA_Circuit**RevDeltaBc** frCircuitEndpointDeltaBc frCircuitServiceNameEndpointDeltaBc* *Applies only when the value of CVA_CircuitRevRateEnfScheme is Jump.*	LONG (Range: 0 - 65528)	65528	Read-Write
CVA_Circuit**RevDeltaBe** frCircuitEndpointDeltaBe frCircuitServiceNameEndpointDeltaBe* *Applies only when the value of CVA_CircuitRevRateEnfScheme is Jump.*	LONG (Range: 0 - 65528)	65528	Read-Write
CVA_Circuit**RevFcpDiscard** frCircuitEndpointFcpDiscard frCircuitServiceNameFcpDiscard	CvDiscardSelect	discardSelectDisabled EPD	Read-Write
CVA_Circuit**RevGracefulDiscard** frCircuitEndpointGracefulDiscard frCircuitServiceNameEndpointGracefulDiscard*	CvGracefulDiscard	cvGracefulDiscard Enabled On	Read-Write

Table 3-20. Circuit Attribute Descriptions: Frame Relay-to-Frame Relay (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**RevPriority** frCircuitEndpointCircuitPriority frCircuitServiceNameEndpointPriority*	CvCircuitPriority	cvCircuitPriorityHigh 1	Read-Write
CVA_Circuit**RevQOSClass** frCircuitEndpointQosClass frCircuitServiceNameEndpointQosClass*	cvClassOfSrv	cvCOSVBRNonReal Time VBRNonRealTime	Read-Write
CVA_Circuit**RevRateEnfScheme** frCircuitEndpointRateEnfScheme frCircuitServiceNameEndpointRate EnfScheme*	RateEnforcement Scheme	simpleScheme Simple	Read-Write
CVA_Circuit**RevRedFramePercent** frCircuitEndpointRedFramePercent frCircuitServiceNameEndpointRed FramePercent*	LONG (Range: 0 - 100)	100	Read-Write
CVA_Circuit**RevZeroCIR** frCircuitEndpointZeroCIREnabled frCircuitServiceNameEndpointZeroCIR Enabled*	CvCircuitZeroCIR	cvCircuitZeroCIROff Off	Read-Write
CVA_Circuit**TrafficMgmtCtd** circuitCrossConnectTrafficMgmtCdv	LONG (Range: 1 - 16777215)		Read-Write
CVA_Circuit**TrafficMgmtCtdStatus** circuitCrossConnectTrafficMgmtCtdStatus	CvTrafficMgmtStatus	cvTrafficMgmtDisabled Disabled	Read-Write
CVA_Circuit**VpnName** circuitCrossConnectVpnName	STRING	Public	Read-Write

Table 3-21 lists and describes the attributes supported in an ATM-to-ATM circuit. If there is a MIB attribute that references the interworking table, this attribute is used for both endpoints if either endpoint is an ATM-on-Frame endpoint (ATM-on-Frame is an ATM LPort on a frame-based card).

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**AcctChrgPartyId1** atmCircuitBillingAcctChrgPartyId1 *Applies only to CBX ATM Cell End points.*	LONG		Read-Write
CVA_Circuit**AcctChrgPartyId2** atmCircuitBillingAcctChrgPartyId2 *Applies only to CBX ATM Cell End points.*	LONG		Read-Write
CVA_Circuit**AcctPvcControl1** atmCircuitBillingAcctPvcControl1 *Applies only to CBX ATM Cell End points.*	CvCktAtmBillPvc Control	cvCktAtmBillControl Enabled Enabled	Read-Write
CVA_Circuit**AcctPvcControl2** atmCircuitBillingAcctPvcControl2 *Applies only to CBX ATM Cell End points.*	CvCktAtmBillPvc Control	cvCktAtmBillControl Enabled Enabled	Read-Write
CVA_Circuit**AcctUsageMeasure1** atmCircuitBillingAcctUsageMeasure1 *Applies only to CBX ATM Cell End points.*	CvCktAtmBillUsage	cvCktAtmBillUsage Enabled Enabled	Read-Write
CVA_Circuit**AcctUsageMeasure2** atmCircuitBillingAcctUsageMeasure2 *Applies only to CBX ATM Cell End points.*	CvCktAtmBillUsage	cvCktAtmBillUsage Enabled Enabled	Read-Write
CVA_Circuit**AdminCost** circuitCrossConnectAdminCostThreshold *Configurable OSPF Admin Cost.*	LONG (Range: 0 - 0x7FFFFFFF)	0 (0 is invalid)	Read-Write
CVA_Circuit**AdminStatus** circuitCrossConnectAdminStatus	CvCircuitAdmin Status	circuitAdminUp Up	Read-Write
CVA_Circuit**Alias** circuitCrossConnectAlias	STRING		Read-Write
CVA_Circuit**BandwidthPriority** circuitCrossConnectBandwidthPriority	ILONG (Range: 0 - 15)	0	Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**BumpingPriority** circuitCrossConnectBumpingPriority	LONG (Range: 0 - 7)	0	Read-Write
CVA_Circuit**CdvTolerance** circuitCrossConnectCDVTolerance	LONG (Range: 1 - 65535)	600	Read-Write
CVA_Circuit**CircuitType** circuitCrossConnectCircuitType	cvAtmPvcType	cvAtmVcc Vcc	Read-Only
CVA_Circuit**Clp0CellThresh1** atmCircuitNdcClp0CellThresh1 *Applies only when the value of the CVA_CircuitNdcEnable1 is On.*	LONG (Range: 0 - 1500000)	0	Read-Write
CVA_Circuit**Clp0CellThresh2** atmCircuitNdcClp0CellThresh2 A*pplies only when the value of the CVA_CircuitNdcEnable2 is On.*	LONG (Range: 0 - 1500000)	0	Read-Write
CVA_Circuit**Clp1CellThresh1** atmCircuitNdcClp1CellThresh1 *Applies only when the value of the CVA_CircuitNdcEnable1 is On.*	LONG (Range: 0 - 1500000)	0	Read-Write
CVA_Circuit**Clp1CellThresh2** atmCircuitNdcClp1CellThresh2 *Applies only when the value of the CVA_CircuitNdcEnable2 is On.*	LONG (Range: 0 - 1500000)	0	Read-Write
CVA_Circuit**CustomerName** circuitCrossConnectCustomerName	STRING (Length: 64	Public	Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Endpoint1** circuitCrossConnectSwitchId1 circuitCrossConnectIfIndex1 circuitCrossConnectNetworkId1* circuitCrossConnectServiceName1* circuitCrossConnectVPI1 circuitCrossConnectVCI1 *Mandatory attribute.* *In the MIB, this attribute is repesented by three variables: SwitchId1, IfIndex1, VPI1, and VCI1* *If the endpoint1 has a service name binding associated with it, it is represented by NetworkId, ServiceName, VPI1, and VCI1*	OBJID		Create-Only
CVA_Circuit**Endpoint1PPortId** interworkingCircuitEndpointPPortId interworkingCircuitServiceNameEndpoint PPortId* atmCircuitEndpointPPortId atmCircuitServiceNameEndpointPPortId*	LONG		Read-Only
CVA_Circuit**Endpoint1SlotId** interworkingCircuitEndpointSlotId interworkingCircuitServiceNameEndpoint SlotId* atmCircuitEndpointSlotId atmCircuitServiceNameEndpointSlotId*	LONG		Read-Only

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Endpoint2** circuitCrossConnectSwitchId2 circuitCrossConnectIfIndex2 circuitCrossConnectNetworkId2* circuitCrossConnectServiceName2* circuitCrossConnectVPI2 ciruitCrosConnectVCI2 *Mandatory attribute.* *In the MIB, this attribute is repesented by three variables: SwitchId2, IfIndex2, VPI2, and VCI2.* *If the endpoint2 has a service name binding associated with it, it is represented by NetworkId, ServiceName, VPI2 and VCI2.*	OBJID		Create-Only
CVA_Circuit**Endpoint2PPortId** interworkingCircuitEndpointPPortId interworkingCircuitServiceName EndpointPPortId* atmCircuitEndpointPPortId atmCircuitServiceNameEndpointPPortId*	LONG		Read-Only
CVA_Circuit**Endpoint2SlotId** interworkingCircuitEndpointSlotId interworkingCircuitServiceNameEndpoint SlotId* atmCircuitEndpointSlotId atmCircuitServiceNameEndpointSlotId*	LONG		Read-Only
CVA_Circuit**FwdFcpDiscard** interworkingCircuitFcpDiscard interworkCircuitServiceNameFcpDiscard atmCircuitEndpointFcpDiscard atmCircuitServiceNameEndpointFcp Discard*	CvDiscardSelect	discardSelectDisabled EPD	Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**FwdFrameDiscardStatus** atmCircuitEndpointFrameDiscard atmCircuitServiceNameEndpointFrame Discard* *Both endpoints are cell based.*	CvCktFrameDiscard	cktFrameDiscardDisabled Disabled	Read-Write
CVA_Circuit**FwdParam1** interworkingCicruitTrafficParam1 interworkingCircuitServiceNameTraffic Param1 atmCircuitEndpointTrafficDescrParam1 atmCircuitServiceNameEndpointTraffic DescrParam1* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write
CVA_Circuit**FwdParam2** interworkingCicruitTrafficParam2 interworkingCircuitServiceNameTraffic Param2 atmCircuitEndpointTrafficDescrParam2 atmCircuitServiceNameEndpointTraffic DescrParam2* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write
CVA_Circuit**FwdParam3** interworkingCicruitTrafficParam3 interworkingCircuitServiceNameTraffic Param3 atmCircuitEndpointTrafficDescrParam3 atmCircuitServiceNameEndpointTraffic DescrParam3* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**FwdQOSClass** interworkingCircuitEndpointQosClass interworkingCircuitServiceNameEndpoint QosClass* atmCircuitEndpointQosClass atmCircuitServiceNameEndpointQosClass*	cvClassOfSrv	(See QoS tables in "Circuit Quality of Service")	Read-Write
CVA_Circuit**FwdTrafficDescType** interworkingCircuitEndpointTrafficDescr Type InterworkingCircuitServiceNameEndpoint TrafficDescrType atmCircuitEndpointTrafficDescrType atmCircuitServiceNameEndpointTraffic DescrType*	cvAtmTrafficDesc Type	(See QoS tables in "Circuit Quality of Service")	Read-Write
CVA_Circuit**FwdTrafficShaperId** interworkingCircuitEndpointShaperId interworkingCircuitServiceNameEndpoint ShaperId atmCircuitEndpointShaperId atmCircuitServiceNameEndpointShaperId *This attribute is only applicable when the endpoint is on a IWU, CSDS3 or CSE3 card type.*	LONG (Range: 1 - 15)		Read-Write
CVA_Circuit**IsMgmtCkt** circuitCrossConnectIsMgmtCkt	LONG	CvFalse False	Read-Write
CVA_Circuit**LimitOfPVCsEnabledOn Card1** atmCircuitNdcLimitOfPVCsEnabledOn Card1 *Applies only to the CBX endpoints*.	LONG	360	Read-Only
CVA_Circuit**LimitOfPVCsEnabledOn Card2** atmCircuitNdcLimitOfPVCsEnabledOn Card2 *Applies only to the CBX endpoints*.	LONG	360	Read-Only

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Mbs1** interworkingCircuitEndpointMbs interworkingCircuitServiceName EndpointMbs* *Backward compatibility attribute.*	LONG		Read-Write
CVA_Circuit**Mbs2** interworkingCircuitEndpointMbs interworkingCircuitServiceName EndpointMbs* *Backward compatability attribute.*	LONG		Read-Write
CVA_Circuit**Name** circuitCrossConnectCircuitName *Mandatory attribute.*	STRING		Create-Only
CVA_Circuit**NdcEnable1** atmCircuitNdcEnable1 *Applies only to CBX ATM Cell endpoint.*	CvCktNdcEnable	cktNdcEnableOff Off	Read-Write
CVA_Circuit**NdcEnable2** atmCircuitNdcEnable2 *Applies only to CBX ATM Cell endpoints.*	CvCktNdcEnable	cktNdcEnableOff Off	Read-Write
CVA_Circuit**OamAlarms** circuitCrossConnectOAMAlarmsEnabled	CvOamAlarms	cvOamAlarmsEnabled Enabled	Read-Write
CVA_Circuit**Pcr1** interworkingCircuitEndpointPcr interworkingCircuitServiceName EndpointPcr* *Backward compatability attribute.*	LONG		Read-Write
CVA_Circuit**Pcr2** interworkingCircuitEndpointPcr interworkingCircuitServiceNameEndpoint Pcr* *Backward compatability attribute.*	LONG		Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**Priority** interworkingCircuitEndpointCircuitPriority interworkingCircuitServiceNameCircuit Priority atmCircuitEndpointCircuitPrority atmCircuitServiceNameEndpointCircuit Priority*	CvCircuitPriority	cvCircuitPriorityHigh 1	Read-Write
CVA_Circuit**PrivNetOverflow** circuitCrossConnectPrivateNetOverflow	PrivateNetOverflow Mode	PrivateNetOverflow Public Public	Read-Write
CVA_Circuit**RerouteBalance** circuitCrossConnectRerouteBalancing	CvCktRerouteBalance	cktRerouteBalance Enabled Enabled	Read-Write
CVA_Circuit**RevFcpDiscard** interworkingCircuitFcpDiscard interworkCircuitServiceNameFcpDiscard atmCircuitEndpointFcpDiscard atmCircuitServiceNameEndpointFcp Discard*	CvDiscardSelect	discardSelectDisabled EPD	Read-Write
CVA_Circuit**RevFrameDiscardStatus** atmCircuitEndpointFrameDiscard atmCircuitServiceNameEndpointFrame Discard* *Applies only when both endpoints are cell based.*	CvCktFrameDiscard	cktFrameDiscardDisabled Disabled	Read-Write
CVA_Circuit**RevParam1** interworkingCicruitTrafficParam1 interworkingCircuitServiceNameTraffic Param1 atmCircuitEndpointTrafficDescrParam1 atmCircuitServiceNameEndpointTraffic DescrParam1* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**RevParam2** interworkingCircuitTrafficParam2 interowkringCircuitServiceNameTraffic Param2 atmCircuitEndpointTrafficDescrParam2 atmCircuitServiceNameEndpointTraffic DescrParam2* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write
CVA_Circuit**RevParam3** interworkingCircuitTrafficParam3 interworkingCircuitServiceNameTraffic Param3 atmCircuitEndpointTrafficDescrParam3 atmCircuitServiceNameEndpointTraffic DescrParam3* *Mandatory attribute depending on traffic descriptor type.*	LONG		Read-Write
CVA_Circuit**RevPriority** interworkingCircuitEndpointCircuit Priority interworkingCircuitServiceName EndpointPriority* atmCircuitEndpointCircuitPriority atmCircuitServiceNameEndpoint Priority*	CvCircuitPriority	cvCircuitPriorityHigh 1	Read-Write
CVA_Circuit**RevQOSClass** interworkingCircuitEndpointQosClass interworkingCircuitServiceName EndpointQosClass* atmCircuitEndpointQosClass atmCircuitServiceNameEndpointQos Class*	cvClassOfSrv	(See QoS tables in "Circuit Quality of Service")	Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**RevTrafficDescType** interworkingCircuitEndpointTrafficDescrType interworkingServiceNameEndpointTrafficDescrType atmCircuitEndpointTrafficDescrType atmCircuitServiceNameEndpointTraffixDescrType*	cvAtmTrafficDescType	(See QoS tables in "Circuit Quality of Service")	Read-Write
CVA_Circuit**RevTrafficShaperId** interworkingCircuitEndpointShaperId interworkingCircuitServiceNameEndpointShaperId atmCircuitEndpointShaperId atmCircuitServiceNameEndpointShaperId *This attribute is only applicable where the endpoint is on a IWU, CSDS3 or CSE3 card type.*	LONG (Range: 1 - 15)		Read-Write
CVA_Circuit**Scr1** interworkingCircuitEndpointScr interworkingCircuitServiceNameEndpointScr* *Backward compatability attribute.*	LONG		Read-Write
CVA_Circuit**Scr2** interworkingCircuitEndpointScr interworkingCircuitServiceNameEndpointScr* *Backward compatability attribute.*	LONG		Read-Write
CVA_Circuit**TotalPVCsEnabledOnCard1** atmCircuitNdcTotalPVCsEnabledOnCard1	LONG		Read-Only
CVA_Circuit**TotalPVCsEnabledOnCard2** atmCircuitNdcTotalPvcsEnabledOnCard2	LONG		Read-Only
CVA_Circuit**TrafficMgmtCtd** circuitCrossConnectTrafficMgmtCdv	LONG (Range: 1 - 16777215)		Read-Write
CVA_Circuit**TrafficMgmtCtdStatus** circuitCrossConnectTrafficMgmtCtdStatus	CvTrafficMgmtStatus	cvTrafficMgmtDisabled Disabled	Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**TrafficMgmtFwdCdv** atmCircuitEndpointTrafficMgmtCdv atmCircuitServiceNameEndpointTraffic MgmtCdv* *Applies only when both endpoints are ATM on Cell. Required when enabling CVA_CircuitTrafficMgmtFwdCdvStatus.*	LONG (Range: 1 - 16777215)		Read-Write
CVA_Circuit**TrafficMgmtFwdCdvStatus** atmCircuitEndpointTrafficMgmtCdvStatus atmCircuitServiceNameEndpointTraffic MgmtCdvStatus *Applies only when both endpoints are ATM on Cell.*	CvTrafficMgmtStatus	cvTrafficMgmtDisabled Disabled	Read-Write
CVA_Circuit**TrafficMgmtFwdClr** atmCircuitEndpointTrafficMgmtClr atmCircuitServiceNameEndpointClr* *Applies only when both endpoints are ATM on Cell. Required when enabling CVA_CircuitTrafficMgmtFwdClrStatus.*	LONG (Range: 1 - 255)		Read-Write
CVA_Circuit**TrafficMgmtFwdClrStatus** atmCircuitEndpointTrafficMgmtClrStatus atmCircuitServiceNameEndpointClrStatus *Applies only when both endpoints are ATM on Cell.*	CvTrafficMgmtStatus	cvTrafficMgmtDisabled Disabled	Read-Write
CVA_Circuit**TrafficMgmtRevCdv** atmCircuitEndpointTrafficMgmtCdv atmCircuitServiceNameEndpointCdv* *Applies only when both endpoints are ATM on Cell. Required when enabling CVA_CircuitTrafficMgmtRevCdvStatus.*	LONG (Range: 1 - 16777215)		Read-Write
CVA_Circuit**TrafficMgmtRevCdvStatus** atmCircuitEndpointTrafficMgmtCdvStatus atmCircuitServiceNameEndpointTraffic MgmtCdvStatus *Applies only when both endpoints are ATM on Cell.*	CvTrafficMgmtStatus	cvTrafficMgmtDisabled Disabled	Read-Write

Table 3-21. Circuit Attribute Descriptions: ATM-to-ATM (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Circuit**TrafficMgmtRevClr** atmCircuitEndpointTrafficMgmtClr atmCircuitServiceNameEndpoinntTraffic MgmtClr* *Applies only when both endpoints are ATM on Cell. Required when enabling CVA_CircuitTrafficMgmtRevClrStatus.*	LONG (Range: 1 - 255)		Read-Write
CVA_Circuit**TrafficMgmtRevClrStatus** atmCIrcuitEndpointTrafficMgmtCltStatus atmCircuitServiceNameEndpointTraffic MgmtClrStatus *Applies only when both endpoints are ATM on Cell.*	CvTrafficMgmtStatus	cvTrafficMgmtDisabled Disabled	Read-Write
CVA_Circuit**UpcFunction** CircuitCrossConnectUpcFunction	CvAtmUpcFunction	cvUpcEnabled Enabled	Read-Write
CVA_Circuit**VpnName** circuitCrossConnectVpnName	STRING	Public	Read-Write

PPort Attributes

6-port V.35 Card

Table 3-22. PPort Attributes for the 6-port V.35 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**Bandwidth** pportBandwidth	INTEGER	64000	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcDce Dce	Read-Write

Table 3-22. PPort Attributes for the 6-port V.35 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType6PortV35 6PortV35	Read-Only

1-port 24-channel T1 Card

Table 3-23. PPort Attributes for the 1-port 24-channel T1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	24	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	16777215	Read-Write
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**ConnType** pportConnType	CvDs1ConnType	ds1ConnTypeToDsx1 ToDsx1	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1Port24Chan FractT1 1Port24ChanFractT1	Read-Only
CVA_PPort**Ds1LineLength** pportDs1LineLength	CvDs1LineLength	ds1LineLength0to133ft 0to133ft	Read-Write
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeEsfAnsi EsfAnsi	Read-Write

Table 3-23. PPort Attributes for the 1-port 24-channel T1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingB8Zs B8Zs	Read-Write

1-port 30-channel E1 Card

Table 3-24. PPort Attributes for the 1-port 30-channel E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	30	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	4294901758	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1Port30Chan FractE1 1Port30ChanFractE1	Read-Only
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeE1NoCas NoCrc4 E1NoCasNoCrc4	Read-Write
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingHdb3 Hdb3	Read-Write

6-port Universal I/O Card

Table 3-25. PPort Attributes for the 6-port Universal I/O Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**Bandwidth** pportBandwidth	INTEGER	64000	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcDce Dce	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType6PortUio 6PortUio	Read-Only

8-port Low Speed UIO Card

Table 3-26. PPort Attributes for the 8-port Low Speed UIO Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**Bandwidth** pportBandwidth	INTEGER	64000	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcDce Dce	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType8PortRs232 8PortRs232	Read-Only

18-port Low Speed UIO Card

Table 3-27. PPort Attributes for the 18-port Low Speed UIO Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**Bandwidth** pportBandwidth	INTEGER	64000	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcDce Dce	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType18PortRs232 18PortRs232	Read-Only

8-port Universal I/O Card

Table 3-28. PPort Attributes for the 8-port V.35 I/O Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**Bandwidth** pportBandwidth	INTEGER	64000	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcDce Dce	Read-Write
CVA_PPort**ClockSpeed** pportBandwidth *Attribute is the same as CVA_PPortBandwidth. It is maintained for backward compatability with Provisioning Server version 1.2.*	INTEGER	64000	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType8PortUio 8PortUio	Read-Only

4-port 24-channel T1 Card

Table 3-29. PPort Attributes for the 4-port 24-channel T1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	24	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	16777215	Read-Write
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**ConnType** pportConnType	CvDs1ConnType	ds1ConnTypeToDsx1 ToDsx1	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType4Port24Chan FractT1 4Port24ChanFractT1	Read-Only
CVA_PPort**Ds1LineLength** pportDs1LineLength	CvDs1LineLength	ds1LineLength0to133ft 0to133ft	Read-Write
CVA_PPort**ExtClockBackup** pportExtClockBackup *Applies only when CVA_PPortClockSource is External.*	CvExtClockBackup	extClockBackupLoop Timed LoopTimed	Read-Write
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeEsfAnsi EsfAnsi	Read-Write
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingB8Zs B8Zs	Read-Write

4-port 30-channel E1 Card

Table 3-30. PPort Attributes for the 4-port 30-channel E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	30	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	4294901758	Read-Write
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType4Port30Chan FractE1 4Port30ChanFractE1	Read-Only
CVA_PPort**ExtClockBackup** pportExtClockBackup *Applies only when CVA_PPortClockSource is External.*	CvExtClockBackup	extClockBackupLoop Timed LoopTimed	Read-Write
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeE1NoCas NoCrc4 E1NoCasNoCrc4	Read-Write
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingHdb3 Hdb3	Read-Write

2-port HSSI Card

Table 3-31. PPort Attributes for the 2-port HSSI Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**Bandwidth** pportBandwidth	INTEGER	9474000	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcDce Dce	Read-Write
CVA_PPort**ClockSpeed** pportBandwidth *Attribute is the same as CVA_PPortBandwidth. It is maintained for backward compatability with Provisioning Server version 1.2.*	INTEGER	9474000	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType2PortHssi 2PortHssi	Read-Only

10-port DSX-1 Card

Table 3-32. PPort Attributes for the 10-port DSX-1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	24	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	16777215	Read-Write

Table 3-32. PPort Attributes for the 10-port DSX-1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType10PortDsx1 10PortDsx1	Read-Only
CVA_PPort**Dsx1LineLength** pportDsx1LineLength	CvDsx1LineLength	dsx1LineLength0to110ft 0to110ft	Read-Write
CVA_PPort**ExtClockBackup** pportExtClockBackup *Applies only when CVA_PPortClockSource is External.*	CvExtClockBackup	extClockBackupLoopTimed LoopTimed	Read-Write
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeEsfNone EsfNone	Read-Write
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingB8Zs B8Zs	Read-Write

1-port ATM DS3 UNI Card

Table 3-33. PPort Attributes for the 1-port ATM DS3 UNI I/O Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AtmCbitParity** pportAtmCbitParity	CvPPortCbitParity	cbitParityEnabled Enabled	Read-Write
CVA_PPort**AtmMaxBufferSize** pportAtmMaxBufferSize	LONG	8160	Read-Write

Table 3-33. PPort Attributes for the 1-port ATM DS3 UNI I/O Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AtmPayloadScramble** pportPayloadScramble *Attribute is the same as CVA_PPortPayloadScramble. It is maintained for backward compatability with Provisioning Server version 1.2.*	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write
CVA_PPort**AtmPeakCellRate0** pportAtmPeakCellRates0 *In units of Cell/Sec.*	LONG	96000	Read-Write
CVA_PPort**AtmPeakCellRate1** pportAtmPeakCellRates1 *In units of Cell/Sec.*	LONG	96000	Read-Write
CVA_PPort**AtmPeakCellRate2** pportAtmPeakCellRates2 *In units of Cell/Sec.*	LONG	96000	Read-Write
CVA_PPort**AtmPeakCellRate3** pportAtmPeakCellRates3 *In units of Cell/Sec.*	LONG	96000	Read-Write
CVA_PPort**AtmPeakCellRate4** pportAtmPeakCellRates4 *In units of Cell/Sec.*	LONG	96000	Read-Write
CVA_PPort**AtmPeakCellRate5** pportAtmPeakCellRates5 *In units of Cell/Sec.*	LONG	96000	Read-Write
CVA_PPort**AtmPeakCellRate6** pportAtmPeakCellRates6 *In units of Cell/Sec.*	LONG	96000	Read-Write
CVA_PPort**AtmPeakCellRate7** pportAtmPeakCellRates7 *In units of Cell/Sec.*	LONG	96000	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	44736000	Read-Only

Table 3-33. PPort Attributes for the 1-port ATM DS3 UNI I/O Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**Ds3ClockSpeed** pportBandwidth *Attribute is the same as CVA_PPortBandwidth. It is maintained for backward compatability with Provisioning Server version 1.2.*	LONG	4473600	Read-Only
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1PortAtmDs3Uni 1PortAtmDs3Uni	Read-Only
CVA_PPort**Ds3LineBuildOut** pportDs3LineBuildOut	CvDs3LineBuildOut	ds3LineBuildOut0to225ft 0to225ft	Read-Write
CVA_PPort**Ds3PlcpOption** pportDs3PlcpOptions	CvDs3PLCPOption	ds3PLCPEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__CvIdleCellType	atmForum AtmForum	Read-Write
CVA_PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write

1-port ATM IWU OC3 Card

Table 3-34. PPort Attributes for the 1-port ATM IWU OC3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write

Table 3-34. PPort Attributes for the 1-port ATM IWU OC3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_ PPort**Bandwidth** pportBandwidth	LONG	155520000	Read-Only
CVA_PPort**BipErrorsThresh** *The value represents the power of ten (for example 10^6).*	CvPPortBipErrors Thresh	6	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcDce Dce	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1PortAtmIwu Oc3 1PortAtmIwuOc3	Read-Only
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__ CvIdleCellType	atmForum AtmForum	Read-Write
CVA_ PPort**OpticalXmit** pportAtmOpticalXmit	CvXmitLaserStatus	xmitLaserDisabled Disabled	Read-Write
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write

1-port ATM CS/DS3 Card

Table 3-35. PPort Attributes for the 1-port ATM CS/DS3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportCsDs3AlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportCsDs3AlarmFailure	INTEGER	2500	Read-Write
CVA_PPort**AtmCbitParity** pportAtmCbitParity	CvPPortCbitParity	cbitParityEnabled Enabled	Read-Write

Table 3-35. PPort Attributes for the 1-port ATM CS/DS3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_ PPort**Bandwidth** pportBandwidth	LONG	44736000	Read-Only
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1PortAtmCsDs3 1PortAtmCsDs3	Read-Only
CVA_PPort**Ds3FeacLoopback** pportDs3FeacLoopback	CvAtmFeacLoopback	feacLoopbackEnabled Enabled	Read-Write
CVA_PPort**Ds3LineBuildOut** pportDs3LineBuildOut	CvDs3LineBuildOut	ds3LineBuildOut0to225ft 0to225ft	Read-Write
CVA_PPort**Ds3PlcpOption** pportDs3PlcpOptions	CvDs3PLCPOption	ds3PLCPEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__CvIdleCellType	atmForum AtmForum	Read-Write
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write

1-port ATM CS/E3 Card

Table 3-36. PPort Attributes for the 1-port ATM CS/E3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	44736000	Read-Only

Table 3-36. PPort Attributes for the 1-port ATM CS/E3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1PortAtmCsE3 1PortAtmCsE3	Read-Only
CVA_PPort**Ds3PlcpOption** pportDs3PlcpOptions	CvDs3PLCPOption	ds3PLCPEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__ CvIdleCellType	atmForum AtmForum	Read-Write
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write

4-port 24-channel Unchannelized T1 Card

Table 3-37. PPort Attributes for the 4-port 24-channel Unchannelized T1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	24	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	16777215	Read-Write
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPortC**lockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**ConnType** pportConnType	CvDs1ConnType	ds1ConnTypeToDsx1 ToDsx1	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType4Port24Chan UnchanT1 4Port24ChanUnchanT1	Read-Only
CVA_PPort**Ds1LineLength** pportDs1LineLength	CvDs1LineLength	ds1LineLength0to133ft 0to133ft	Read-Write
CVA_PPort**ExtClockBackup** pportExtClockBackup *Applies only when CVA_PPortClockSource is External.*	CvExtClockBackup	extClockBackupLoop Timed LoopTimed	Read-Write
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeEsfAnsi EsfAnsi	Read-Write
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingB8Zs B8Zs	Read-Write

4-port 30-channel Unchannelized E1 Card

Table 3-38. PPort Attributes for the 4-port 30-channel Unchannelized E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	30	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	4294901758	Read-Write
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType4Port30Chan UnchanE1 4Port30ChanUnchanE1	Read-Only
CVA_PPort**ExtClockBackup** pportExtClockBackup *Applies only when CVA_PPortClockSource is External.*	CvExtClockBackup	extClockBackupLoop Timed LoopTimed	Read-Write
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeE1NoCas NoCrc4 E1NoCasNoCrc4	Read-Write
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingHdb3 Hdb3	Read-Write

12-port E1 Card

Table 3-39. PPort Attributes for the 12-port E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	30	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	4294901758	Read-Write
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType12PortE1 12PortE1	Read-Only
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeE1NoCas NoCrc4 E1NoCasNoCrc4	Read-Write
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingHdb3 Hdb3	Read-Write

4-port 24-channel DSX Card

Table 3-40. PPort Attributes for the 4-port 24-channel DSX Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AllocatedChannelCount** pportAllocatedChannelCount	LONG	24	Read-Only
CVA_PPort**AllocatedChannels** pportAllocatedChannels *This attribute is specified as a bit mask, indicating which channels are allocated for use by LPorts.*	LONG	16777215	Read-Write
CVA_PPort**ChannelsInUse** pportChannelIsInUse	LONG	0	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**ConnType** pportConnType	CvDs1ConnType	ds1ConnTypeToDsx1 ToDsx1	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType4Port24ChanSHT1 4Port24ChanSHT1	Read-Only
CVA_PPort**Ds1LineLength** pportDs1LineLength	CvDs1LineLength	ds1LineLength0to133ft 0to133ft	Read-Write
CVA_PPort**ExtClockBackup** pportExtClockBackup *Applies only when CVA_PPortClockSource is External.*	CvExtClockBackup	extClockBackupLoopTimed LoopTimed	Read-Write
CVA_PPort**LineType** pportLineType	CvDs1LineType	ds1LineTypeEsfAnsi EsfAnsi	Read-Write
CVA_PPort**ZeroCoding** pportZeroEncoding	CvDs1ZeroCoding	ds1ZeroCodingB8Zs B8Zs	Read-Write

1-port ATM E3 UNI Card

Table 3-41. PPort Attributes for the 1-port ATM E3 UNI I/O Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AtmMaxBufferSize** pportAtmMaxBufferSize	LONG	8160	Read-Write
CVA_PPort**AtmPayloadScramble** pportPayloadScramble *Attribute is the same as CVA_PPortPayloadScramble. It is maintained for backward compatability with Provisioning Server version 1.2.*	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write
CVA_PPort**AtmPeakCellRate0** pportAtmPeakCellRates0 *In units of Cell/Sec.*	LONG	80000	Read-Write
CVA_PPort**AtmPeakCellRate1** pportAtmPeakCellRates1 *In units of Cell/Sec.*	LONG	80000	Read-Write
CVA_PPort**AtmPeakCellRate2** pportAtmPeakCellRates2 *In units of Cell/Sec.*	LONG	80000	Read-Write
CVA_PPort**AtmPeakCellRate3** pportAtmPeakCellRates3 *In units of Cell/Sec.*	LONG	80000	Read-Write
CVA_PPort**AtmPeakCellRate4** pportAtmPeakCellRates4 *In units of Cell/Sec.*	LONG	80000	Read-Write
CVA_PPort**AtmPeakCellRate5** pportAtmPeakCellRates5 *In units of Cell/Sec.*	LONG	80000	Read-Write
CVA_PPort**AtmPeakCellRate6** pportAtmPeakCellRates6 *In units of Cell/Sec.*	LONG	80000	Read-Write

Table 3-41. PPort Attributes for the 1-port ATM E3 UNI I/O Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AtmPeakCellRate7** pportAtmPeakCellRates7 *In units of Cell/Sec.*	LONG	80000	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	34368000	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1PortAtmE3 Uni 1PortAtmE3Uni	Read-Only
CVA_PPort**Ds3ClockSpeed** pportBandwidth *Attribute is the same as CVA_PPortBandwidth. It is maintained for backward compatability with Provisioning Server version 1.2.*	LONG	34368000	Read-Only
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__ CvIdleCellType	atmForum AtmForum	Read-Write
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write

1-port 28-channel DS3 Card

Table 3-42. PPort Attributes for the 1-port 28-channel DS3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_PPort**ChDs3ApplMode** pportApplicationMode	CvChDs3ApplMode	chDs3ApplM23 M13	Read-Write
CVA_PPort**ChDs3ChannelsInUse** pportChDs3ChannelsInUse	LONG	0	Read-Only
CVA_PPort**ChDs3LineBuildOut** pportChDs3LineBuildOut	CvDs3LineBuildOut	ds3LineBuildOut0to225ft 0to225ft	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1PortFractT3 1Port28ChanDs3	Read-Only
CVA_PPort**Ds3LineBuildOut** pportDs3LineBuildOut	CvDs3LineBuildOut	ds3LineBuildOut0to225ft 0to225ft	Read-Write
CVA_PPort**ExtClockBackup** pportExtClockBackup *Applies only when CVA_PPortClockSource is External.*	CvExtClockBackup	extClockBackupLoopTimed LoopTimed	Read-Write

1-port channelized DS3-1-0 Card

Table 3-43. PPort Attributes for the 1-port Channelized DS3-1-0 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_PPort**ChDs3ApplMode** pportApplicationMode	CvChDs3ApplMode	chDs3ApplM13 M13	Read-Write
CVA_PPort**ChDs3ChannelsInUse** pportChDs3ChannelsInUse	LONG	0	Read-Only
CVA_PPort**ChDs3LineBuildOut** pportChDs3LineBuildOut	CvDs3LineBuildOut	ds3LineBuildOut0to 225ft 0to225ft	Read-Write
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcLoopTimed LoopTimed	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1PortChan Ds310 1PortChanDs310	Read-Only
CVA_PPort**ExtClockBackup** pportExtClockBackup *Applies only when CVA_PPortClockSource is External.*	CvExtClockBackup	extClockBackupLoop Timed LoopTimed	Read-Write

6-Port DS3 Frame Relay

Table 3-44. PPort Attributes for the 6-Port DS3 Frame Relay

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	PPortAdminUp Up	Read-Write

Table 3-44. PPort Attributes for the 6-Port DS3 Frame Relay (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_PPort**AtmCbitParity** pportAtmCbitParity	CvPPortCbitParity	CbitParityEnabled enabled	Read-Write
CVA_PPort**AtmMaxBufferSize** pportAtmMaxBufferSize	LONG	8160	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	44736000	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcInternal	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	CardType6PortDS3T3 6PortDS3T3	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	CardType6PortDS3T3 FwdEngs 6PortDS3T3FwdEngs	Read-Write
CVA_PPort**Ds3FeacLoopback** pportDs3FeacLoopback	CvAtmFeacLoopback	FeacLoopbackEnabled Enabled	Read-Write
CVA_PPort**Ds3LineBuildOut** pportDs3LineBuildOut	CvDs3LineBuildOut	Ds3LineBuildOut0to 225ft 0to225ft	Read-Write
CVA_PPort**MIBInterfaceNumber** pportMIBInterfaceNumber	LONG	1	Read-Only

8-port DS3 Card

Table 3-45. PPort Attributes for the 8-port DS3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_PPort**AtmCbitParity** pportAtmCbitParity	CvPPortCbitParity	cbitParityEnabled Enabled	Read-Write
CVA_PPort**AtmTSPacingMode** pportAtmTSPacingMode	INTEGER	0	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	44736000	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcInternal Internal	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType8PortAtmDS3 8PortAtmDS3	Read-Only
CVA_PPort**Ds3FeacLoopback** pportDs3FeacLoopback	CvAtmFeacLoopback	feacLoopbackEnabled Enabled	Read-Write
CVA_PPort**Ds3LineBuildOut** pportDs3LineBuildOut	CvDs3LineBuildOut	ds3LineBuildOut0to225 ft 0to225ft	Read-Write
CVA_PPort**Ds3PlcpOption** pportDs3PlcpOptions	CvDs3PLCPOption	ds3PLCPEnabled Enabled	Read-Write
CVA_PPort**EfciMarking** pportAtmEfciMarking	CvEfciMarking	efciDisabled Disabled	Read-Write
CVA_PPort**EffectiveBandwidth** pportEffectiveBandwidth	LONG		Read-Only

Table 3-45. PPort Attributes for the 8-port DS3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**HECSingleBitError Correction** pportHecErrorCorrection	CvSingleBitErrCorr	singleBitEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__ CvIdleCellType	atmForum AtmForum	Read-Write
CVA_PPort**MIBInterfaceNumber** pportMIBInterfaceNumber	LONG		Read-Only
CVA_PPort**MinNumE1s** pportMinNumE1s	INTEGER		Read-Only
CVA_PPort**MinNumT1s** pportMinNumT1s	INTEGER		Read-Only
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write

8-port E3 Card

Table 3-46. PPort Attributes for the 8-port E3 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	34368000	Read-Only
CVA_PPort**AtmTSPacingMode** pportAtmTSPacingMode	INTEGER	0	Read-Write

Table 3-46. PPort Attributes for the 8-port E3 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcInternal Internal	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType8PortE3Atm DS3 8PortE3AtmDs3	Read-Only
CVA_PPort**Ds3PlcpOption** pportDs3PlcpOptions	CvDs3PLCPOption	ds3PLCPDisabled Disabled	Read-Write
CVA_PPort**EfciMarking** pportAtmEfciMarking	CvEfciMarking	efciDisabled Disabled	Read-Write
CVA_PPort**EffectiveBandwidth** pportEffectiveBandwidth	LONG		Read-Only
CVA_PPort**HECSingleBitError Correction** pportHecErrorCorrection	CvSingleBitErrCorr	singleBitEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__ CvIdleCellType	atmForum AtmForum	Read-Write
CVA_PPort**MIBInterfaceNumber** pportMIBInterfaceNumber	LONG		Read-Only
CVA_PPort**MinNumE1s** pportMinNumE1s	INTEGER		Read-Only
CVA_PPort**MinNumT1s** pportMinNumT1s	INTEGER		Read-Only
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write

4-port OC-3c/STM-1 Card

Table 3-47. PPort Attributes for the 4-port OC-3c/STM-1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_PPort**AtmTSPacingMode** pportAtmTSPacingMode	INTEGER	0	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	155520000	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcInternal Internal	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType4PortAtmOc3 Stm1 4PortAtmOc3Stm1	Read-Only
CVA_PPort**EfciMarking** pportAtmEfciMarking	CvEfciMarking	efciDisabled Disabled	Read-Write
CVA_PPort**EffectiveBandwidth** pportEffectiveBandwidth	LONG		Read-Only
CVA_PPort**HECSingleBitError Correction** pportHecErrorCorrection	CvSingleBitErrCorr	singleBitEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__ CvIdleCellType	atmForum AtmForum	Read-Write
CVA_PPort**MIBInterfaceNumber** pportMIBInterfaceNumber	LONG		Read-Only
CVA_PPort**MinNumE1s** pportMinNumE1s	INTEGER		Read-Only

Table 3-47. PPort Attributes for the 4-port OC-3c/STM-1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**MinNumT1s** pportMinNumT1s	INTEGER		Read-Only
CVA_ PPort**OpticalXmit** pportAtmOpticalXmit	CvXmitLaserStatus	xmitLaserDisabled Disabled	Read-Write
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write
CVA_PPort**ProtectionPortId**	INTEGER	2 for PPort 1 1 for PPort 2 4 for PPort 3 3 for PPort 4	Read-Write
CVA_PPort**ProtectionSlotId**	INTEGER	The slot ID of the PPort	Read-Write
CVA_PPort**Redundancy**	CvAPSRedundancy Architecture	None	Read-Write
CVA_ PPort**XmitMode** pportXmitMode	CvOpticalXmitMode	xmitModeSonet Sonet	Read-Write

1-port OC-12c/STM-4 Card

Table 3-48. PPort Attributes for the 1-port OC-12c/STM-4 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	622080000	Read-Only

Table 3-48. PPort Attributes for the 1-port OC-12c/STM-4 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcInternal Internal	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType1PortAtmOc12Stm4 1PortAtmOc12Stm4	Read-Only
CVA_PPort**EfciMarking** pportAtmEfciMarking	CvEfciMarking	efciDisabled Disabled	Read-Write
CVA_PPort**EffectiveBandwidth** pportEffectiveBandwidth	LONG		Read-Only
CVA_PPort**HECSingleBitError Correction** pportHecErrorCorrection	CvSingleBitErrCorr	singleBitEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__CvIdleCellType	atmForum AtmForum	Read-Write
CVA_PPort**MIBInterfaceNumber** pportMIBInterfaceNumber	LONG		Read-Only
CVA_PPort**OpticalXmit** pportAtmOpticalXmit	CvXmitLaserStatus	xmitLaserDisabled Disabled	Read-Write
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write
CVA_PPort**ProtectionPortId**	INTEGER	2 for PPort 1 Does not apply for PPort 2	Read-Write
CVA_PPort**ProtectionSlotId**	INTEGER	The slot ID of the PPort	Read-Write
CVA_PPort**Redundancy**	CvAPSRedundancy Architecture	None	Read-Write
CVA_ PPort**XmitMode** pportXmitMode	CvOpticalXmitMode	xmitModeSonet Sonet	Read-Write

8-port T1 Card

Table 3-49. PPort Attributes for the 8-port T1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	1544000	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcInternal Internal	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType8PortT1 8PortT1	Read-Only
CVA_PPort**EfciMarking** pportAtmEfciMarking	CvEfciMarking	efciDisabled Disabled	Read-Write
CVA_PPort**EffectiveBandwidth** pportEffectiveBandwidth	LONG		Read-Only
CVA_PPort**HECSingleBitError Correction** pportHecErrorCorrection	CvSingleBitErrCorr	singleBitEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__ CvIdleCellType	atmForum AtmForum	Read-Write
CVA_PPort**InBandLineLoopback Code** pportInBandLoopBackCode	CvT1E1InBandLine LoopbackCode	t1InBandLineLoopback CodeCSU CSU	Read-Write
CVA_PPort**MIBInterfaceNumber** pportMIBInterfaceNumber	LONG		Read-Only
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleDisabled Disabled	Read-Write

Table 3-49. PPort Attributes for the 8-port T1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**T1CircuitType** pportT1CircuitType	CvT1CircuitType	T1CircuitTypeExtended Superframe ExtendedSuperframe	Read-Write
CVA_PPort**T1FeacLoopback** pportT1FeacLoopback	CvT1AtmFeac Loopback	t1FeacLoopback Enabled Enabled	Read-Write
CVA_PPort**T1LineBuildOut** pportT1LineBuildOut	CvT1E1LineBuildOut	t1e1LineBuildOut0to 133ft 0to133ft	Read-Write
CVA_PPort**T1LineCode** pportT1LineCode	CvT1LineCode	t1LineCodeB8ZS B8ZS	Read-Write

8-port E1 Card

Table 3-50. PPort Attributes for the 8-port E1 Card

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**AdminStatus** pportAdminStatus	CvPPortAdminStatus	pPortAdminUp Up	Read-Write
CVA_PPort**AlarmClear** pportAlarmClear	INTEGER	10000	Read-Write
CVA_PPort**AlarmFailure** pportAlarmFailure	INTEGER	2500	Read-Write
CVA_ PPort**Bandwidth** pportBandwidth	LONG	2048000	Read-Only
CVA_PPort**ClockSource** pportXmitClockSource	CvClockSource	clockSrcInternal Internal	Read-Write
CVA_PPort**DefinedType** pportDefinedType	CvCardType	cardType8PortE1 8PortE1	Read-Only

Table 3-50. PPort Attributes for the 8-port E1 Card (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_PPort**EfciMarking** pportAtmEfciMarking	CvEfciMarking	efciDisabled Disabled	Read-Write
CVA_PPort**EffectiveBandwidth** pportEffectiveBandwidth	LONG		Read-Only
CVA_ PPort**E1LineCode** pportE1LineCode	CvE1LineCode	e1LineCodeHdb3 Hdb3	Read-Write
CVA_PPort**HECSingleBitError Correction** pportHecErrorCorrection	CvSingleBitErrCorr	singleBitEnabled Enabled	Read-Write
CVA_PPort**IdleCellType** pportIdleCellType	PPortObj__Config__ CvIdleCellType	atmForum AtmForum	Read-Write
CVA_PPort**InBandLineLoopback Code** pportInBandLineLoopBackCode	CvT1E1InBandLine LoopbackCode	t1InBandLineLoopback CodeCSU CSU	Read-Write
CVA_PPort**MIBInterfaceNumber** pportMIBInterfaceNumber	LONG		Read-Only
CVA_ PPort**PayloadScramble** pportPayloadScramble	CvPPortCellScramble	cellScrambleEnabled Enabled	Read-Write

Reference Time Server Attributes

Table 3-51. Reference Time Server Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_ReferenceTimeServer**ExtPollInterval** refTimeServerExtPollInterval	CvRefTimeServerExtPollI nterval	rtsExtPollIntvl2min8sec 2min8sec	Read-Write
CVA_ReferenceTimeServer**LclPollInterval** refTimeServerLclPollInterval	CvRefTimeServerLclPollI nterval	rtsLclPollIntvl2min8sec 2min8sec	Read-Write

Table 3-51. Reference Time Server Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_ReferenceTimeServer**PreferredServer** refTimeServerPreferredServer	CvRefTimeServer PreferredServer	rtsPreferredNo No	Read-Write

Security Screen Attributes

Table 3-52. Security Screen Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcSecScn**CallDirection** networkSvcSecurityScreenCallDirection *Mandatory attribute.*	SecScnCallDirection		Read-Write
CVA_SvcSecScn**CalledAddr** networkSvcSecurityScreenCalled AddressAddress *Numerical UNIX regular expression, contains at most one *.*	STRING		Read-Write
CVA_SvcSecScn**CalledAddrType** networkSvcSecurityScreenCalled AddressType *Mandatory attribute.*	SecScnAddrType		Read-Write
CVA_SvcSecScn**CalledSubAddr** networkSvcSecurityScreenCalledSub AddressAddress *Numerical UNIX regular expression, contains at most one *.*	STRING		Read-Write
CVA_SvcSecScn**CalledSubAddrType** networkSvcSecurityScreenCalledSub AddressType *Mandatory attribute.*	SecScnAddrType		Read-Write

Table 3-52. Security Screen Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcSecScn**CallingAddr** networkSvcSecurityScreenCallingAddressAddress *Numerical UNIX regular expression, contains at most one *.*	STRING		Read-Write
CVA_SvcSecScn**CallingAddrType** networkSvcSecurityScreenCallingAddressType *Mandatory attribute.*	SecScnAddrType		Read-Write
CVA_SvcSecScn**CallingSubAddr** networkSvcSecurityScreenCallingSubAddressAddress *Numerical UNIX regular expression, contains at most one *.*	STRING		Read-Write
CVA_SvcSecScn**CallingSubAddrType** networkSvcSecurityScreenCallingSubAddressType *Mandatory attribute.*	SecScnAddrType		Read-Write
CVA_SvcSecScn**Id** networkSvcSecurityScreenId *A number mapped from string name of the screen. This number is used by the switch to identify an SVC security screen.*	LONG		Read-Only
CVA_SvcSecScn**Name** *The string name of the screen.*	STRING		Read-Only
CVA_SvcSecScn**Type** networkSvcSecurityScreenScreenType *Mandatory attribute.*	SecScnType		Read-Write

Service Name Attributes

Table 3-53. ServiceName Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_ServiceName**ActiveBinding** networkServiceNameActiveBinding *Valid values (CLI):* *option 1 - Primary* *option 2 - Backup* *Option 2 is used to revert to primary binding when the current active binding is backup.*	CvServNameActive Binding	Primary	Read-Write
CVA_ServiceName**BackupLPort** networkServiceNameBackupLPort *Mandatory attribute.* *Cannot be provided when adding a ServiceName object.*	OBJID		Read-Write
CVA_ServiceName**Name** networkServiceNameName *Shows the name of the ServiceName binding.*	STRING		Read-Only
CVA_ServiceName**Notes** networkServiceNameNotes *Is empty until set. Is not modifiable.*	STRING	EMPTY	Create-Only
CVA_ServiceName**PrimaryLPort** networkServiceNamePrimaryLPort *Mandatory attribute.* *Should be a complete Object ID of the primary LPort.*	OBJID		Create-Only
CVA_ServiceName**ServiceNameID** networkServiceNameId *Attribute is automatically generated.*	INTEGER		Read-Only

SMDS Address Prefix

The SMDS address prefix object has no attributes.

SMDS Alien Group Address Attributes

Table 3-54. SMDS Alien Group Address Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsAGa**Name** *String representation of an SMDS Alien Group Address.*	STRING		Create-Only

SMDS Alien Individual Address Attributes

Table 3-55. SMDS Alien Individual Address Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsAIa**Name** *String representation of an SMDS Alien Individual Address.*	STRING		Create-Only

SMDS Country Code Attributes

Table 3-56. SMDS Country Code Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsCountryCode**Name** *String representation of an SMDS country code.*	STRING		Create-Only

SMDS Group Screen Attributes

Table 3-57. SMDS Group Screen Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsGScn**Operation** smdsGroupScreenOperation *Mandatory attribute.* *Specifies the behavior of the screen.*	CvScnOper		Read-Write

SMDS Individual Screen Attributes

Table 3-58. SMDS Individual Screen Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsIScn**Operation** smdsIndividualScreenOperation *Mandatory attribute.* Specifies the behavior of the screen.	CvScnOper		Read-Write

SMDS Local Individual Address Attributes

Table 3-59. SMDS Local Individual Address Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsIa**IsFromAddrPool** *Attribute is obsolete in Provisioning Server 2.0 release. Meaningless if not using SSI Address Pool.*	INTEGER		Read-Only

Table 3-59. SMDS Local Individual Address Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsIa**Name** smdsIndividualAddressName *String representation of an SMDS Local Individual Address.*	STRING		Create-Only

SMDS Netwide Group Address Attributes

Table 3-60. SMDS Netwide Group Address Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsNGa**Name** *String representation of an SMDS Netwide Group Address.*	STRING		Create-Only

SMDS SSI Individual Address Attributes

Table 3-61. SMDS SSI Individual Address Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsAddrPool**Available** *Attribute is obsolete in Provisioning Server version 2.0. Is maintained for backward compatibility with earlier releases.*	INTEGER		Read-Only

SMDS Switch Group Address Attributes

Table 3-62. SMDS Switch Group Address Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SmdsGa**Name**	STRING		Create-Only

Soft PVC Circuit Attributes

Table 3-63. Soft PVC Circuit Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Spvc**AdminStatus** circuitSpvcAdminStatus	CvCircuitAdminStatus	circuitAdminUp Up	Read-Write
CVA_Spvc**CircuitType**	CvSpvcCircuitType		Read-Only
CVA_Spvc**FwdTrafficDesc** circuitSpvcForwardTrafficDescriptor *Mandatory attribute.* *Name of the Traffic Descriptor picked up from the Traffic Descriptor Pool.*	STRING		Read-Write
CVA_Spvc**Name** circuitSpvcName *Mandatory attribute.*	STRING		Create-Only
CVA_Spvc**RetryInterval** circuitSpvcRetryInterval	LONG	0	Read-Write
CVA_Spvc**RetryLimit** circuitSpvcRetryLimit	LONG	0	Read-Write
CVA_Spvc**RevTrafficDesc** circuitSpvcReverseTrafficDescriptor *Mandatory attribute.* *Name of the Traffic Descriptor picked up from the Traffic Descriptor Pool.*	STRING		Read-Write

Table 3-63. Soft PVC Circuit Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Spvc**TargetSelectType** circuitSpvcTargetSelectType	CvTargetSelectType	cvTargetSelectTypeAny Any	Read-Write
CVA_Spvc**TargetVci** circuitSpvcTargetVci *Can be set only when CVA_SpvcTargetSelectType is set to Required.*	INTEGER	0	Read-Write
CVA_Spvc**TargetVpi** circuitSpvcTargetVpi *Can be set only when CVA_SpvcTargetSelectType is set to Required.*	INTEGER	0	Read-Write
CVA_Spvc**TerminatingEndpointAddr** circuitSpvcTerminatingEndpoint Address *Mandatory attribute.*	STRING		Read-Write

SvcAddress Attributes

Table 3-64. SvcAddress Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcAddress**AdminCost** svcAddrAdminCost	LONG	0	Read-Write
CVA_SvcAddress**CugTermination** svcAddrCugTermination *All three attributes SrcAddressValidation, RouteDetermination, and CugTermination cannot be disabled together.*	CvCugTermination	cvAddrAttrCug Termination Enabled	Read-Write

Table 3-64. SvcAddress Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcAddress**Nbits** svcAddrNumBits	LONG		Read-Only
CVA_SvcAddress**OrgScope** svcAddrOrgScope	CvSvcAddrScope	svcAddrGlobal global	Read-Write
CVA_SvcAddress**ConnID** svcAddrPvcConnId *Valid values are:* *Option 1 : Any* *Option 2 : Specific* *Option 1 is valid if PvpTermination and/or PvcTrermination is Enabled.* *Option 2 is valid only if either PvpTermination or PvcTermination is Enabled (not both).*	CvConnID	cvConnIDAny Any	Read-Write
CVA_SvcAddress**Format** svcAddrType	CvAddrFmtEnum		Read-Only
CVA_SvcAddress**Prefix** svcAddrAddress	STRING		Read-Only
CVA_SvcAddress**PvcTermination** svcAddrPvcTermination *Valid when RouteDetermination is Enabled. Not supported on ATM NNI LPorts.*	CvPvcTermination	cvAddrAttrPvc TerminationDisabled Disabled	Read-Write
CVA_SvcAddress**PvpTermination** svcAddrPvpTermination *Valid when RouteDetermination is Enabled.*	CvPvpTermination	cvAddrAttrPvp TerminationDisabled Disabled	Read-Write
CVA_SvcAddress**RouteDetermination** svcAddrRouteDetermination *All three attributes SrcAddressValidation, RouteDetermination, and CugTermination cannot be disabled together. Not supported on the ATM NNI Lport.*	CvRouteDetermination	cvAddrAttrRouting Enabled	Read-Write

Table 3-64. SvcAddress Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcAddress**SrcAddrValidation** svcAddrSourceAddrValidation *All three attributes SrcAddressValidation, RouteDetermination, and CugTermination cannot be disabled together.*	CvSrcAddrValidation	cvAddrAttrValidation Enabled	Read-Write
CVA_SvcAddress**Vci** svcAddrVci *Valid for Option 2 of CVA_SvcAddressConnID when PvpTermination is Disabled and PvcTermination is Enabled.*	LONG		Read-Write
CVA_SvcAddress**Vpi** svcAddrVpi *Valid for Option 2 of CVA_SvcAddressConnID.*	LONG		Read-Write

SvcConfig Attributes

Table 3-65. SvcConfig Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**CbrBandwidth Priority** *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts*	INT	[8]. Range: 0-15	Read-Write
CVA_SvcConfig**CbrBumpingPriority** *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts*	INT	[1]. Range: 0-7	Read-Write

Table 3-65. SvcConfig Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**EgAddrXlateMode** svcConfigEgressAddrXlateMode *Valid values (CLI):* *Option 1 : Disabled* *Option 2 : Tunnel* *Option 3 : Replace* *Option 4 : NativeToAESA* *Option 5 : AESAToNative* *Not supported on Frame Relay DCE/DTE LPorts.*	CvCfgEgAddrXlate Mode	cfgEgAddrXlateMode Disabled Disabled	Read-Write
CVA_SvcConfig**FwdQoSClass** svcFrConfigQoS *Supported on the BX switches with the FR UNI DCE/DTE LPorts*	CvSvcFrQosType	cvSvcFrQosVfrNrt VfrNonRealtime	Read-Write
CVA_SvcConfig**HoldOffTime** svcAtmConfigQsaalHoldOffTime *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	35	Read-Write
CVA_SvcConfig**IgAddrXlateMode** svcConfigIngressAddrXlateMode *Valid values (CLI):* *Option 1 : Disabled* *Option 2 : Tunnel* *Option 3 : NativeToAESA* *Option 4 : AESAToNative* *Not supported on Frame Relay DCE/DTE LPorts.*	CvCfgIgAddrXlate Mode	cfgIgAddrXlateMode Disabled Disabled	Read-Write
CVA_SvcConfig**InsertAddr** svcConfigCgPtyInsertionAddress *Represents an SVC address that conforms to the addressing convention. If the insertion address is NULL, this string is equal to 'NULL'.*	STRING		Read-Write

Table 3-65. SvcConfig Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**InsertMode** svcConfigCgPtyInsertionMode *Valid values (CLI):* *Option 1: Disabled* *Option 2: Insert* *Option 3: Replace*	CvCfgCgPtyInsertMode	cfgCgPtyInsertMode Disabled Disabled	Read-Write
CVA_SvcConfig**PresentMode** svcConfigCgPtyPresentationMode *Valid values (CLI):* *Option 1 : User* *Option 2 : Never* *Option 3 : Always*	CvCfgCgPtyPresent Mode	cfgCgPtyPresentMode User User	Read-Write
CVA_SvcConfig**Q922Signal** svcFrConfigQ922Signal *Supported on the BX switches with the FR UNI DCE/DTE LPorts.*	CvQ922Signal	cvQ922SignalDisabled disabled	Read-Write
CVA_SvcConfig**Q93bMaxRestart** svcAtmConfigQ93bMaxRestart *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	2	Read-Write
CVA_SvcConfig**Q93bMaxStatus Enquiries** svcAtmConfigQ93bMaxStatEnq *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	1	Read-Write
CVA_SvcConfig**Q93bT301** svcAtmConfigQ93bT301 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	180000	Read-Write
CVA_SvcConfig**Q93bT303** svcAtmConfigQ93bT303 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	4000	Read-Write

Table 3-65. SvcConfig Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**Q93bT309** svcAtmConfigQ93bT303 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	10000	Read-Write
CVA_SvcConfig**Q93bT308** svcAtmConfigQ93bT308 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	30000	Read-Write
CVA_SvcConfig**Q93bT310** svcAtmConfigQ93bT310 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	30000	Read-Write
CVA_SvcConfig**Q93bT313** svcAtmConfigQ93bT313 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	4000	Read-Write
CVA_SvcConfig**Q93bT316** svcAtmConfigQ93bT316 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	120000	Read-Write
CVA_SvcConfig**Q93bT322** svcAtmConfigQ93bT322 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	4000	Read-Write
CVA_SvcConfig**Q93bT397** svcAtmConfigQ93bT397 *Supported on ATM UNI DTE/DCE (when ATM protocol is UNI 4.0 or ITU uni) and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	180000	Read-Write

Table 3-65. SvcConfig Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**Q93bT398** svcAtmConfigQ93bT398 *ASupported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	40000	Read-Write
CVA_SvcConfig**Q93bT399** svcAtmConfigQ93bT399 *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	34000	Read-Write
CVA_SvcConfig**QsaalMaxCc Threshold** svcAtmConfigQsaalMaxCC *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	4	Read-Write
CVA_SvcConfig**QsaalMaxPduXmited** svcAtmConfigQsaalMaxPD *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	25	Read-Write
CVA_SvcConfig**Q9saalMaxStat Elements** svcAtmConfigQsaalMaxStat *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	67	Read-Write
CVA_SvcConfig**QsaalTCtrlPdu** svcAtmConfigQsaalTCC *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	1000	Read-Write
CVA_SvcConfig**QsaalTIdle** svcAtmConfigQsaalTIdle *Supported on ATM UNI DTE/DCE (not applicable when ATM protocol is UNI 3.0) and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	150000	Read-Write

Table 3-65. SvcConfig Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**QsaalTKeepAlive** svcAtmConfigQsaalTKeepalive *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	2000	Read-Write
CVA_SvcConfig**QsaalTNoResponse** svcAtmConfigQsaalTNoResponse *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	7000	Read-Write
CVA_SvcConfig**QsaalTPoll** svcAtmConfigQsaalTPoll *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	250	Read-Write
CVA_SvcConfig**QsaalWindowSize** svcAtmConfigQsaalWindowSize *Supported on ATM UNI DTE/DCE and ATM NNI (when ATM Protocol is PNNI 1.0) LPorts.*	int	32	Read-Write
CVA_SvcConfig**RevQoSClass** svcFrConfigRQoS *Supported on the BX switches with the FR UNI DCE/DTE LPorts*	CvSvcFrQosType	cvSvcFrQosVfrNrt VfrNonRealtime	Read-Write
CVA_SvcConfig**ScrModeAddress** svcConfigScrModeAddress	CvCfgCgPtyScreen ModeAddress	cfgCgPtyScreenMode NotPerform Disabled	Read-Write
CVA_SvcConfig**ScrModeNodePrefix** svcConfigScrModeNodePrefix	CvCfgCgPtyScreen ModeNodePrefix	cfgCgPtyScreenMode NotPerform Disabled	Read-Write
CVA_SvcConfig**ScrModePrefix** svcConfigScrModePrefix	CvCfgCgPtyScreen ModePrefix	cfgCgPtyScreenMode NotPerform Disabled	Read-Write
CVA_SvcConfig**SvcCdvTolerance** svcConfigSvcCdvTolerance	LONG	600	Read-Write

Table 3-65. SvcConfig Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**SvcCugState** svcConfigSvcCugState *Valid values (CLI):* *Option 1 : Enabled* *Option 2 : Disabled*	CvCfgCugStateEnum	cfgCugStateEnabled Enabled	Read-Write
CVA_SvcConfig**SvcFailureTrap Thresh** svcConfigSvcFailureTrapThreshold	LONG	1	Read-Write
CVA_SvcConfig**SvcFrameDiscard** svcConfigSvcFrameDiscard *Valid values (CLI):* *Option 1 : Enabled* *Option 2 : Disabled* *Not supported on Frame Relay DCE/DTE LPorts.*	SvcConfigObj__Config __CvFrameDiscard	frameDiscardDisabled Disabled	Read-Write
CVA_SvcConfig**SvcFwdCktPriority** svcConfigFwdCktPriority *Supported on the CBX switches with the ATM UNI DCE/DTE and ATM NNI LPorts. It is also supported on the BX switches with the FR UNI DCE/DTE LPorts.*	LONG	2	Read-Write
CVA_SvcConfig**SvcHDTimer** svcConfigHoldDownTimer *This is the only attribute that is also valid for Frame SVC's.*	INTEGER	60	Read-Write
CVA_SvcConfig**SvcLoadBalance** svcConfigLoadBalanceEligibility Duration	LONG	3600	Read-Write
CVA_SvcConfig**SvcRevCktPriority** svcConfigRefCktPriority *Supported on the CBX switches with the ATM UNI DCE/DTE and ATM NNI LPorts. It is also supported on the BX switches with the FR UNI DCE/DTE LPorts.*	LONG	2	Read-Write

Table 3-65. SvcConfig Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**TNSPresentMode** SvcConfigTNSPresentMode *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts* *Valid Values (CLI)* *Option 1: Never* *Option2 : Signaled Only* *Option 3: SignaledOrSrcDef*	CvCfgTNSPresentMode	cfgCfgPtyPresentMode Never Never	Read-Write
CVA_SvcConfig**TNSScreenMode** svcConfigTNSScreenMode *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts* *Valid Values (CLI)* *Option 1: Ignore* *Option2 : Accept* *Option 3: Validate*	CvCfgTNSScreenMode	cfgTNSPresentModeDefault Signaled or Source-default	Read-Write
CVA_SvcConfig**UbrAbrBandwidth Priority** *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts*	INT	[8]. Range: 0-15	Read-Write
CVA_SvcConfig**UbrAbrBumping Priority** *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts*	INT	[1]. Range: 0-7	Read-Write
CVA_SvcConfig**VbrNRtBandwidth Priority** *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts*	INT	[8]. Range: 0-15	Read-Write

Table 3-65. SvcConfig Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcConfig**VbrNRtBumping Priority** *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts*	INT	[1]. Range: 0-7	Read-Write
CVA_SvcConfig**VbrRtBandwidth Priority** *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts*	INT	[8]. Range: 0-15	Read-Write
CVA_SvcConfig**VbrRtBumping Priority** *Supported on the CBX switches with the ATM UNI DCE/DTE and NNI LPorts.It is also supported on the BX switches with the FR UNI DCE/DTE LPorts*	INT	[1]. Range: 0-7	Read-Write

SvcCUG Attributes

Table 3-66. SvcCUG Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcCUG**Name**	STRING		Read-Only

SvcCUGMbr Attributes

Table 3-67. SvcCUGMbr Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcCUGMbr**IncomingCallBar** networkCUGMemberRuleIncomingCallBar *Mandatory attribute.*	CUGMbrCallsBarred		Read-Write
CVA_SvcCUGMbr**MbrRuleName**	STRING		Read-Only
CVA_SvcCUGMbr**OutgoingCallBar** networkCUGMemberRuleOutgoingCallBar *Mandatory attribute.*	CUGMbrCallsBarred		Read-Write

SvcCUGMbrRule Attributes

Table 3-68. SvcCUGMbrRule Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcCUGMbrRule**Incoming Access** networkCUGMemberRuleIncoming Access *Mandatory attribute.*	CUGMbrRuleAccess Enum		Read-Write
CVA_SvcCUGMbrRule**MbrType** networkCUGMemberRuleMemberType *Mandatory attribute.*	CUGMbrRuleNmbPlan Enum		Create-Only
CVA_SvcCUGMbrRule**Name** networkCUGMemberRuleName	STRING		Read-Only
CVA_SvcCUGMbrRule**Outgoing Access** networkCUGMemberRuleOutgoing Access *Mandatory attribute.*	CUGMbrRuleAccess Enum		Read-Write

Table 3-68. SvcCUGMbrRule Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcCUGMbrRule**Value** networkCUGMemberRuleValue *Mandatory attribute.*	STRING		Create-Only

SVC Network ID Attributes

Table 3-69. SVC Network ID Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcNetworkId**AdjacentNetwork** svcNetworkIdAdjacentNetwork *Can be enabled only if CVA_SvcNetworkIdRouteDetermination is enabled. Use isAdjacentNetworkApplicable( ) to check applicability. Not supported on an ATM NNI LPort.*	CvAdjacentNetwork	cvAddrAttrSource DefaultDisable Disabled	Read-Write
CVA_SvcNetworkId**AdminCost** svcNetworkIdAdminCost	INTEGER	0	Read-Write
CVA_SvcNetworkId**Format** svcNetworkIdType	CvAddrFmtEnum		Read-Only
CVA_SvcNetworkId**Nbits** svcNetworkIdNumBits	INTEGER		Read-Only
CVA_SvcNetworkId**Prefix** svcNetworkIdPrefix	STRING		Read-Only
CVA_SvcNetworkId**RouteDetermination** svcNetworkIdRouteDetermination *Cannot be enabled if CVA_SvcNetworkIdSourceValidation is enabled. Not supported on an ATM NNI LPort.*	CvRouteDetermination	cvAddrAttrRouting Disabled Disabled	Read-Write

Table 3-69. SVC Network ID Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcNetworkId**SourceDefault** svcNetworkIdSourceDefault *Can be enabled only if CVA_SvcNetworkIdSourceValidation is enabled. Use isSourceDefaultApplicable( ) to check applicability.*	CvSourceDefault	cvAddrAttrSource DefaultDisable Disabled	Read-Write
CVA_SvcNetworkId**SourceValidation** svcNetworkIdSourceValidation *Cannot be enabled if CVA_SvcNetworkIdRouteDetermination is enabled.*	CvSourceValidation	cvAddrAttrSource ValidationBit Enabled	Read-Write

Svc Node Prefix Attributes

Table 3-70. Svc Node Prefix Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcNodePrefix**AddrRegistration** svcNodePrefixAddrRegistration *All three attributes SrcAddrValidation, RouteDetermination, and AddrRegistration cannot be Disabled together.* *Set to Enabled only for AESA addresses with Nbits > 104.* *Supported only on the CBX 500 switch.*	CvAddrRegistration	cvAddrAttrRegistration Disabled Disabled	Read-Write
CVA_SvcNodePrefix**AdminCost** AdminCost svcNodePrefixAdminCost	LONG	65534 if either the pnni or vnn external bits are set; 0 otherwise	Read-Write
CVA_SvcNodePrefix**Format** svcNodePrefixPrefixType	CvAddrFmtEnum		Read-Only

Table 3-70. Svc Node Prefix Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcNodePrefix**InternalMgmt** svcNodePrefixInternalMgmt	CvSvcInternalMgmt	cvSvcInternalMgmtDisabled disabled	Read-Write
CVA_SvcNodePrefix**Nbits** svcNodePrefixNumBits	LONG		Read-Only
CVA_SvcNodePrefix**OrgScope** svcNodePrefixOrgScope	CvSvcAddrScope	svcAddrGlobal global	Read-Write
CVA_SvcNodePrefix**OSPFAreaID** svcNodePrefixOSPFAreaID *Applies only if OSPFAreaSummary is enabled.*	IpAddress	0.0.0.1	Read-Write
CVA_SvcNodePrefix**OSPFAreaSummary** svcNodePrefixOSPFAreaSummary	CvSvcOSPFAreaSummary	cvSvcOSPFAreaSummary disabled	Read-Write
CVA_SvcNodePrefix**PnniExternalBit** PnniExternalBit svcNodePrefixPnniExternalBit *Suppoted only on the CBX 500 switch.*	CvPnniExternalBit	disabled	Read-Write
CVA_SvcNodePrefix**Prefix** svcNodePrefixPrefix	STRING		Read-Only
CVA_SvcNodePrefix**Route Determination** svcNodePrefixRouteDetermination *All three attributes SrcAddrValidation, RouteDetermination, and AddrRegistration cannot be Disabled together.*	CvRouteDetermination	cvAddrAttrRouting Enabled	Read-Write
CVA_SvcNodePrefix**SrcAddr Validation** svcNodePrefixSourceAddrValidation *All three attributes SrcAddrValidation, RouteDetermination, and AddrRegistration cannot be Disabled together.*	CvSrcAddrValidation	cvAddrAttrValidation Enabled	Read-Write

Table 3-70. Svc Node Prefix Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcNodePrefix**VnnExternalBit** VnnExternalBit svcNodePrefixVnnExternalBit *Suppoted only on the CBX 500 switch.*	CvVnnExternalBit	disabled	Read-Write

SvcPrefix Attributes

Table 3-71. Svc Prefix Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcPrefix**AddrRegistration** svcPortPrefixAddrRegistration *All four attributes SrcAddrValidation, RouteDetermination, AddrRegistration, and CugTermination cannot be Disabled together. Not supported on Frame Relay DCE/DTE LPorts.*	CvAddrRegistration	cvAddrAttrRegistration Disabled Disabled	Read-Write
CVA_SvcPrefix**AdminCost** svcPortPrefixAdminCost	LONG	0	Read-Write
CVA_SvcPrefix**CugTermination** svcPortPrefixCugTermination *All four attributes SrcAddrValidation, RouteDetermination, AddrRegistration, and CugTermination cannot be Disabled together.*	CvCugTermination	cvAddrAttrCug Termination Enabled	Read-Write
CVA_SvcPrefix**Format** svcPortPrefixType *Mandatory attribute.*	CvAddrFmtEnum		Read-Only

Table 3-71. Svc Prefix Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcPrefix**LGWAddr** svcPortPrefixLocalGatewayAddress *To specify the local gateway address, set this string to a value that conforms to the addressing convention. If the local gateway address is NULL, set this string to 'NULL'. Not supported on Frame Relay DCE/DTE LPorts.*	STRING		Read-Write
CVA_SvcPrefix**Nbits** svcPortPrefixNumBits	LONG		Read-Only
CVA_SvcPrefix**OrgScope** svcPortPrefixOrgScope	CvSvcAddrScope	svcAddrGlobal global	Read-Write
CVA_SvcPrefix**Prefix** svcPortPrefixPrefix	STRING		Read-Only
CVA_SvcPrefix**RGWAddr** svcPortPrefixRemoteGatewayAddress *To specify the remote gateway address, set to a value that conforms to the addressing convention. If the remote gateway address is NULL, set this string to 'NULL'. Not supported on Frame Relay DCE/DTE LPorts.*	STRING		Read-Write
CVA_SvcPrefix**RouteDetermination** svcPortPrefixRouteDetermination *All four attributes SrcAddrValidation, RouteDetermination, AddrRegistration, and CugTermination cannot be Disabled together. Not supported on ATM NNI LPorts.*	CvRouteDetermination	cvAddrAttrRouting Enabled	Read-Write
CVA_SvcPrefix**SrcAddrValidation** svcPortPrefixSourceAddrValidation *All four attributes SrcAddrValidation, RouteDetermination, AddrRegistration, and CugTermination cannot be Disabled together.*	CvSrcAddrValidation	cvAddrAttrValidation Enabled	Read-Write

SvcSecScnActParam Attributes

Table 3-72. SvcSecScnActParam Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcSecScnActParam**DefaultEgressScnType** lportSvcSecurityScreenActionDefaultEgressScreenType *Mandatory attribute.*	SecScnDefault		Read-Write
CVA_SvcSecScnActParam**DefaultIngressScnType** lportSvcSecurityScreenActionDefaultIngressScreenType *Mandatory attribute.*	SecScnDefault		Read-Write
CVA_SvcSecScnActParam**EgressScnMode** lportSvcSecurityScreenActionEgressScreenMode *Mandatory attribute.*	SecScnMode		Read-Write
CVA_SvcSecScnActParam**IngressScnMode** lportSvcSecurityScreenActionIngressScreenMode *Mandatory attribute.*	SecScnMode		Read-Write

SvcUserPart Attributes

Table 3-73. Svc User Part Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcUserPart**Format** svcAtmDteUserPartType *Mandatory attribute.* *The only valid format is UserPart.*	CvAddrFmtEnum		Read-Only

Table 3-73. Svc User Part Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_SvcUserPart**Nbits** svcAtmDteUserPartNumBits *Fixed as 56.*	LONG		Read-Only
CVA_SvcUserPart**OrgScope** svcAtmDteUserPartOrgScope	CvSvcAddrScope	svcAddrGlobal global	Read-Write
CVA_SvcUserPart**Prefix** svcAtmDteUserPartUserPart	STRING		Read-Only

Switch Attributes

Table 3-74. Switch Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Switch**AbrRecording** switchAtmBillingAbrRecording *Applies to CBX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled Enabled	Read-Write
CVA_Switch**AcctControl** switchAtmBillingAcctControl *(Applies to ATM Accounting CBX 500 switches only.)* switchFrBillingAcctControl *(Applies to Frame Relay Accounting B-STDX switches only.)*	CvSwAcctControl	swAcctDisabled Disabled	Read-Write
CVA_Switch**AfrRecording** switchFrBillingAfrRecording *Applies to Frame Relay Accounting B-STDX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled enabled	Read-Write
CVA_Switch**CbrCellCounting** switchAtmBillingCbrCellCounting *Applies to CBX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled Enabled	Read-Write

Table 3-74. Switch Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Switch**CbrRecording** switchAtmBillingCbrRecording *Applies to CBX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled Enabled	Read-Write
CVA_Switch**CfrRecording** switchFrBillingCfrRecording *Applies to Frame Relay Accounting B-STDX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled enabled	Read-Write
CVA_Switch**ConsoleTimeout** switchConsoleTimeout	LONG	5	Read-Write
CVA_Switch**Contact** switchContact	STRING		Read-Write
CVA_Switch**EthernetIpAddress** switchEtherNetIpAddress	STRING		Read-Write
CVA_Switch**EthernetIpMask** switchEthernetIpMask	STRING	255.255.255.0	Read-Write
CVA_Switch**Location** switchLocation	STRING		Read-Write
CVA_Switch**MaxTelnetSession** switchTelnetSessionState *Attribute is the same as CVA_SwitchTelnetSession. It is maintained for backward compatability with Provisioning Server version 1.2.*	TelnetSession	telnetSessionEnable Enabled	Read-Write
CVA_Switch**Name** switchName	STRING		Create-Only
CVA_Switch**OamCellCounting** switchAtmBillingOamCellCounting *Applies to CBX switches only.*	CvSwAcctOamCellCnt	swAcctOamInTotal Enabled	Read-Write
CVA_Switch**PhoneNo** switchPhoneNumber	STRING		Read-Write

Table 3-74. Switch Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Switch**PvcRecordingPeriod** switchAtmBillingPvcRecordingPeriod *(Applies to ATM Accounting CBX 500 switches only.)* switchFrBillingPvcRecordingPeriod *(Applies to Frame Relay Accounting B-STDX switches only.)*	LONG	60	Read-Write
CVA_Switch**RecordingUpdateInterval** switchAtmBillingRecordingUpdateInterval *(Applies to ATM Accounting CBX 500 switches only.)* switchFrBillingRecordingUpdateInterval *(Applies to Frame Relay Accounting B-STDX switches only.)*	LONG	5	Read-Write
CVA_Switch**RerouteAlgorithm** switchLoadBalancingAlgorithm	INTEGER	0	Read-Write
CVA_Switch**RerouteCount** switchRerouteCount	INTEGER	1	Read-Write
CVA_Switch**RerouteDelay** switchRerouteDelay	INTEGER	180	Read-Write
CVA_Switch**RipSendHostRoutes** switchRipSendHostRoutes	RIPSendHostRoutesStates	ripSendHostRoutesOffState Off	Read-Write
CVA_Switch**RipState** switchRipState	RIPStates	ripOffState Off	Read-Write
CVA_Switch**ServerControl** switchAtmBillingServerControl *(Applies to CBX 500 switches only.)* switchFrBillingServerControl *(Applies to B-STDX 8000/9000 switches only.)*	CvSwAcctAsControl	swAcctAsPrimary Primary	Read-Write
CVA_Switch**ServerPrimaryIp** switchAtmBillingPrimaryIp *(Applies to CBX 500 switches only.)* switchFrBillingPriamaryIp *(Applies to B-STDX 8000/9000 switches only.)*	STRING	0.0.0.0	Read-Only

Table 3-74. Switch Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Switch**ServerSecondaryIp** switchAtmBillingSecondaryIp *(Applies to CBX 500 switches only.)* switchFrBillingSecondaryIp *(Applies to B-STDX 8000/9000 switches only.)*	STRING	0.0.0.0	Read-Only
CVA_Switch**TelnetSession** switchTelnetSessionState	TelnetSession	telnetSessionEnable Enabled	Read-Write
CVA_Switch**UbrRecording** switchAtmBillingUbrRecording *Applies to CBX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled Enabled	Read-Write
CVA_Switch**UfrRecording** switchFrBillingUfrRecording *Applies to Frame Relay Accounting B-STDX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled enabled	Read-Write
CVA_Switch**VbrRecording** switchAtmBillingVbrRecording *Applies to CBX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled Enabled	Read-Write
CVA_Switch**VfrRecording** switchFrBillingVfrRecording *Applies to Frame Relay Accounting B-STDX switches only.*	CvSwAcctRecording	swAcctRecIntraEnabled enabled	Read-Write

Traffic Descriptor Attributes

Table 3-75 lists the required param values for each QoS class and traffic descriptor type. When you choose a particular QoS class and traffic descriptor type, you need to provide the corresponding Param values listed in the last column.

Table 3-75. Relation of Attributes for Traffic Descriptor

QoS Class	Traffic Type	Param
ABR	PcrClp0McrClp0	Param1, Param2
CBR	PcrClp0PcrClp01 PcrClp0PcrClp01Tag PcrClp01	Param1, Param2 Param1, Param2 Param1
VBRRealTime	PcrClp01ScrClp0MbsClp0 PcrClp01ScrClp0MbsClp0Tag PcrClp01ScrClp01MbsClp01	Param1, Param2, Param3 Param1, Param2, Param3 Param1, Param2, Param3
VBRNonRealTime	PcrClp01ScrClp0MbsClp0 PcrClp01ScrClp0MbsClp0Tag PcrClp01ScrClp01MbsClp01	Param1, Param2, Param3 Param1, Param2, Param3 Param1, Param2, Param3
UBR	PcrClp01	Param1
UnspCBR	PcrClp0PcrClp01 PcrClp0PcrClp01Tag PcrClp01	Param1, Param2 Param1, Param2 Param1
UnspVBRNrt	PcrClp01ScrClp0MbsClp0 PcrClp01ScrClp0MbsClp0Tag PcrClp01ScrClp01MbsClp01	Param1, Param2, Param3 Param1, Param2, Param3 Param1, Param2, Param3
UnspBestEffort	BestEffort	

TrafficShaper Attributes

Table 3-76. Traffic Descriptor Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_TrafficDesc**QosClass** trafficDescriptorQOSClass *Mandatory attribute.* *Valid Values (CLI):* *Option 1: CBR* *Option 2 : VBRRealTime* *Option 3 : VBRNonRealTime* *Option 4 : UBR* *Option 5 : UnspCBR* *Option 6 : UnspVBRNrt* *Option 7 : UnspBestEffort*	cvClassOfSrv		Create-Only
CVA_TrafficDesc**Type** trafficDescriptorType *Mandatory attribute.* *See Table 3-75 for dependency between QoS class and traffic descriptor type.*	cvAtmTrafficDescType		Create-Only
CVA_TrafficDesc**Name** trafficDescriptorName *Name of the traffic descriptor.*	STRING		Read-Only
CVA_TrafficDesc**Id** *Attribute is automatically generated.*	LONG		Read-Only
CVA_TrafficDesc**Param1** trafficDescriptorParam1 *Mandatory attribute (depending on traffic descriptor type).*	LONG	0	Create-Only
CVA_TrafficDesc**Param2** trafficDescriptorParam2 *Mandatory attribute (depending on traffic descriptor type).*	LONG	0	Create-Only
CVA_TrafficDesc**Param3** trafficDescriptorParam3 *Mandatory attribute (depending on traffic descriptor type).*	LONG	0	Create-Only

Trunk Attributes

Table 3-77. Trunk Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Trunk**AdminCost** trunkAdminCost	LONG	100	Read-Write
CVA_Trunk**AreaId** trunkAreaId	STRING	0.0.0.1	Read-Write
CVA_Trunk**BackupOnTrunkFailure** trunkBackupOnTrunkFailure	CvBackupOnFailure	cvBackupEnabled Enabled	Read-Write
CVA_Trunk**CallSetupRetryInterval** trunkCallSetupRetryInterval	LONG	15	Read-Write
CVA_Trunk**FailureThreshold** trunkFailureThreshold	LONG	5	Read-Write
CVA_Trunk**InitiateBackupCallSetup** trunkInitiateBackupCallSetup	CvInitiateBackup	trkBuSource Yes	Read-Write
CVA_Trunk**KeepAliveErrThreshold** trunkKeepAliveErrorThreshold	LONG	5	Read-Write
CVA_Trunk**LPort1** trunkLPort1 *Mandatory attribute.*	OBJID		Create-Only
CVA_Trunk**LPort2** trunkLPort2 *Mandatory attribute*	OBJID		Create-Only
CVA_Trunk**Name** trunkName	STRING		Read-Only
CVA_Trunk**PrimaryTrunkForBackup** trunkPrimaryTrunkForBackup *Applies if a backup Trunk is being created.*	OBJID		Create-Only
CVA_Trunk**RestorationThreshold** trunkRestorationThreshold	LONG	15	Read-Write

Table 3-77. Trunk Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_Trunk**RetriesSetupCycle** trunkRetriesSetupCycle	LONG	20	Read-Write
CVA_Trunk**RetryCycleInterval** trunkRetryCycleInterval	LONG	10	Read-Write
CVA_Trunk**SubscriptionFactor** trunkSubscriptionFactor	LONG	100	Read-Write
CVA_Trunk**TrafficMix** trunkTraffixMix	CvTrunkTrafficMix	trkTrafficNormal All	Read-Write
CVA_Trunk**TrunkType** trunkType	CvTrunkType	cvTrunkTypeNormal Normal	Create-Only
CVA_Trunk**VPNName** trunkVpnName	STRING	Public	Read-Write

VPCI Table Attributes

Table 3-78. VPCI Table Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_VPCITable**PeerLPort** vpciTablePeerLPort *Mandatory attribute.* *When the proxysigAdminStatus is "disabled," the peer LPort should be the current LPort. When the proxysigAdminStatus is "agend,"either the current LPort or the client LPort has selected this LPort as its agent.*	OBJID		Read-Write
CVA_VPCITable**VpciStatus** vpciAdminStatus	VpciRowStatus	rowStatusActive Active	Read-Write

Table 3-78. VPCI Table Attributes (Continued)

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_VPCITable**VPI** vpciVPI *Mandatory attribute.*	INTEGER	0	Read-Write

Virtual Private Network Attributes

Table 3-79. Virtual Private Network Attributes

Argument ID Symbol (API Name, CLI Name in boldface, and MIB Name) *Comments*	Data Type	Default Value (API and CLI)	Access
CVA_VPN**Comments** vpnComments *Comments for the VPN (length < 100 chars). Currently only implemented in B-STDX switches.*	STRING		Read-Write
CVA_VPN**Name** vpnName *A string name derived from the object ID (length < 32 chars). Currently only implemented in B-STDX switches.*	STRING		Read-Only
CVA_VPN**Number** vpnNumber *A number mapped from string name of the VPN. This number is used by the switch to identify a VPN. Currently only implemented in B-STDX switches.*	STRING		Read-Only

4

Values for Enumerated Data Types

Enumerated data types are defined in the file CvParamValues.H. This chapter alphabetically lists the enumerated data types and their associated values.

Table 4-1. Enumerated Data Types and Values

Enumerated Type Name	API Values	CLI Values
ApsObj__Config__CvAps Command	InvalidApsCommand Clear LockoutProtection ForcedSwitchWorkingToProtection ForcedSwitchProtectionToWorking ManualSwitchWorkingToProtection ManualSwitchProtectionToWorking Exercise	InvalidApsCommand Clear LockoutProtection ForcedSwitchWorkingToProtection ForcedSwitchProtectionToWorking ManualSwitchWorkingToProtection ManualSwitchProtectionToWorking Exercise
ApsObj__Config__CvDirection	unidirectional bidirectional	Unidirectional Bidirectional
ApsObj__Config__CvRevertive	revertiveMode nonRevertiveMode	Revertive NonRevertive
CUGMbrCallsBarred	callsBarredNo callsBarredYes	No Yes
CUGMbrRuleAccessEnum	accessNo accessYes	No Yes
CUGMbrRuleNmbPlanEnum	nbrPlanE164 nbrPlanAesa	E.164 AESA

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvAddrFmtEnum	addrFmtInvalid addrFmtE164 addrFmtAtmEndSys addrFmtUnknown addrFmtDccAesa addrFmtIcdAesa addrFmtE164Aesa addrFmtCustAesa addrFmtDefRoute addrFmtUserPart	Invalid E.164native ATMendsystem unknown DCCAESA ICDAESA E.164AESA CustomAESA DefaultRoute UserPart
CvAddrRegistration	cvAddrAttrRegistrationDisabled cvAddrAttrRegistration	Disabled Enabled
CvAdjacentNetwork	cvAddrAttrAdjacentNetworkDisable cvAddrAttrAdjacentNetworkBit	Disabled Enabled
CvAltPath	cvAltPathEnabled cvAltPathDisabled	Enabled Disabled
CvAPSLineType	lineTypeUndefined lineTypeWorking lineTypeProtection	Undefined Working Protection
CvAPSRedundancyArchitecture	redundancyDisabled redundancyApsOnePlusOne	None APS1+1
CvAtmCellHeaderFormat	cvAtmUniCellHeaders cvAtmNniCellHeaders	Uni Nni
CvAtmConnectionClass	atmDirect atmVirtual	Direct Virtual
CvAtmCtrlUpcFunction	cvCtrlUpcDisabled cvCtrlUpcEnabled	Disabled Enabled
CvAtmFeacLoopback	feacLoopbackDisabled feacLoopbackEnabled	Disabled Enabled
CvAtmIlmiAdminStatus	cvAtmIlmiAdminDisabled cvAtmIlmiAdminEnabled	Disabled Enabled

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvAtmIlmiDtePfxScreen	cvAtmIlmiScreenNodePrefix cvAtmIlmiScreenPortPrefix cvAtmIlmiScreenNodeOrPortPrefix cvAtmIlmiScreenRejectAll cvAtmIlmiScreenAcceptAll	NodePrefix PortPrefix NodeOrPortPrefix RejectAll AcceptAll
CvAtmLPortType	atmUniDce atmUniDte atmXportForFrNni atmOPTimumFrameTrunk atmOPTimumCellTrunk atmDirectTrunk atmNni	UniDce UniDte XportForFrNni atmOPTimumFrameTrunk atmOPTimumCellTrunk atmDirectTrunk atmNni
CvAtmOamLoopbackDirection	cvAtmOamLBDirLocal cvAtmOamLBDirRemote	Local Remote
CvAtmOamLoopbackType	cvAtmOamLBTypeSegment cvAtmOamLBTypeEndToEnd	Segment EndToEnd
CvAtmProtocol	cvAtmProtocolUni30 cvAtmProtocolUni31 cvAtmProtocolIisp31 cvAtmProtocolBici11	UNI-3.0 UNI-3.1 IISP-3.1 BICI-1.1
cvAtmPvcType	cvAtmVpc cvAtmVcc	Vpc Vcc
CvAtmQoSRoutingMetric	cvAtmQoSRoutingAdminCost cvAtmQoSRoutingEndToEndDelay cvAtmQoSRoutingCdv	AdminCost EndToEndDelay CellDelayVariation
CvAtmSigAdminStatus	cvAtmSigAdminEnabled cvAtmSigAdminDisabled	Enabled Disabled

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
cvAtmTrafficDescType	cvAtmTfD_PcrClp0PcrClp01 cvAtmTfD_PcrClp0PcrClp01 Tagging cvAtmTfD_PcrClp01ScrClp0Mbs Clp0 cvAtmTfD_PcrClp01ScrClp0Mbs Clp0Tagging cvAtmTfD_PcrClp01 cvAtmTfD_PcrClp01ScrClp01MbsClp0 1 cvAtmTfD_PcrClp01BestEffort cvAtmTfD_BestEffort	PcrClp0PcrClp01 PcrClp0PcrClp01Tag PcrClp01ScrClp0MbsClp0 PcrClp01ScrClp0MbsClp0Tag PcrClp01 PcrClp01ScrClp01MbsClp01 PcrClp01BestEffort BestEffort
CvAtmUniType	cvAtmUniTypePublic cvAtmUniTypePrivate	Public Private
CvAtmUpcFunction	cvUpcDisabled cvUpcEnabled	Disabled Enabled
CvAtmVpiToVpciMappingType	atmVpiEqualToVpci atmVpiPositiveOffsetFromVpci atmVpiNegativeOffsetFromVpci atmUserSpecifiedVpiToVpciTable	Equal PosOffset NegOffset Table
CvBackupOnFailure	cvBackupEnabled cvBackupDisabled	Enabled Disabled
CvBertPattern	xbertPtnNone xbertPtnAllZeros xbertPtnAllOnes xbertPtnOneZero xbertPtnOneOneZeroZero xbertPtnOneOf8 xbertPtnThreeOf24 xbertPtnQRSS xbertPtnUser1Byte xbertPtnUser2Byte xbertPtnUser3Byte xbertPtnUser4Byte	None AllZeros AllOnes OneZero OneOneZeroZero OneOf8 ThreeOf24 QRSS User1Byte User2Byte User3Byte User4Byte
CvBilling	cvBillingDisable cvBillingEnable	Disabled Enabled

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvBoolean	TRUE FALSE	True False
CvBulkStatsSetting	cardBulkStatsDisabled cardBulkStatsEnabled	Disabled Enabled
CvBwPolicing	cvBwPolicingEnabled cvBwPolicingDisabled	Enabled Disabled
CvCacType	cvCacCascade cvCacCustomized2 cvCacCustomized	Cascade CustomizeVbrRtNrtAbr CustomizeVbrNrtAbr
CvCallAdmissCtrl	cvCallAdmissCtrlDisabled cvCallAdmissCtrlEnabled	Disabled Enabled
CvCardAdminStatus	cardAdminUp cardAdminDown cardAdminTesting cardAdminRedundBoot cardAdminMarginal cardAdminMaintenance	Up Down Testing RedundBoot Marginal Maintenance
CvCardCapability	cardCapabilityFrameRelay cardCapabilityMultiSrv cardCapabilityIOP16 cardCapabilityCPBasic cardCapabilityCPPlus cardCapabilityCP30 cardCapabilityCP40 cardCapabilityCP50	FrameRelay MultiSrv MultiSrv16 CPBasic CPPlus CP30 CP40 CP50
CvCardOperStatus	cardOperUp cardOperDown cardOperTesting cardOperMaintenance	Up Down Testing Maintenance

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvCardState	cardStateUnknown cardStatePresent cardStateLoading cardStateStart cardStateInit cardStateSync cardStateSyncDone cardStateReady cardStateActive cardStateStopped cardStateDown cardStateDebug cardStateOffLineDiag	Unknown Present Loading Start Init Sync SyncDone Ready Active Stopped Down Debug OffLineDiag
CvCardTcaStatus	cvCardTcaEnabled cvCardTcaDisabled	tcaEnabled tcaDisabled

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvCardType	cardTypeEmpty	Empty
	cardType6PortV35	6PortV35
	cardType1Port24ChanFractT1	1Port24ChanFractT1
	cardType1Port30ChanFractE1	1Port30ChanFractE1
	cardType6PortUio	6PortUio
	cardTypeCp	Cp
	cardTypeSp4	SP10
	cardTypeSp8	SP20
	cardType8PortUio	8PortUio
	cardType4Port24ChanFractT1	4Port24ChanFractT1
	cardType4Port30ChanFractE1	4Port30ChanFractE1
	cardType1PortFractT3	1Port28ChanDs3
	cardType1PortFractE3	1PortFractE3
	cardType2PortHssi	2PortHssi
	cardType10PortDsx1	10PortDsx1
	cardType18PortRs232	18PortRs232
	cardType8PortRs232	8PortRs232
	cardType4Port24ChanUnchanT1	4Port24ChanUnchanT1
	cardType4Port30ChanUnchanE1	4Port30ChanUnchanE1
	cardType1PortAtmDs3Uni	1PortAtmDs3Uni
	cardType1PortAtmE3Uni	1PortAtmE3Uni
	cardType4Port24ChanPriT1	cardType4Port24ChanPriT1
	cardType4PortE1Pri	4PortE1Pri
	cardType4Port24ChanSHT1	4Port24ChanSHT1
	cardType4Port24ChanSHUT1	4Port24ChanSHUT1
	cardType4PortSHPri	4PortSHPri
	cardType8PortT1Atm	8PortT1Atm
	cardType8PortE1Atm	8PortE1Atm
	cardType1PortAtmIwuOc3	1PortAtmIwuOc3
	cardType8PortAtmDS3	8PortAtmDS3
	cardType8PortE3AtmDS3	8PortE3AtmDS3
	cardType1PortAtmCsDs3	1PortAtmCsDs3
	cardType1PortAtmCsE3	1PortAtmCsE3
	cardType8PortE1	8PortE1
	cardType4PortAtmOc3Stm1	4PortAtmOc3Stm1
	cardType1PortAtmOc12Stm4	1PortAtmOc12Stm4

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvCfgCgPtyInsertMode	cfgCgPtyInsertModeDisabled cfgCgPtyInsertModeInsert cfgCgPtyInsertModeReplace	Disabled Insert Replace
CvCfgCgPtyPresentMode	cfgCgPtyPresentModeUser cfgCgPtyPresentModeNever cfgCgPtyPresentModeAlways	User Never Always
CvCfgCgPtyScreenMode	cfgCgPtyScreenModeNotPerform cfgCgPtyScreenModeNodePrefix cfgCgPtyScreenModePortPrefix cfgCgPtyScreenModeAddress	Disabled Enabled Enabled Enabled
CvCfgCgPtyScreenMode Address	cfgCgPtyScreenModeAddress Disabled cfgCgPtyScreenModeAddress Enabled	Disabled Enabled
CvCfgCgPtyScreenModeNode Prefix	cfgCgPtyScreenModeNodePrefix Disabled cfgCgPtyScreenModeNodePrefix Enabled	Disabled Enabled
CvCfgCgPtyScreenMode Prefix	cfgCgPtyScreenModePrefix Disabled cfgCgPtyScreenModePrefix Enabled	Disabled Enabled
CvCfgCugStateEnum	cfgCugStateDisabled cfgCugStateEnabled	Disabled Enabled
CvCfgEgAddrXlateMode	cfgEgAddrXlateModeDisabled cfgEgAddrXlateModeTunnel cfgEgAddrXlateModeReplace cfgEgAddrXlateModeNative2Nsap cfgEgAddrXlateModeNsap2Native	Disabled Tunnel Replace NativetoAESA AESAtoNative
CvCfgIgAddrXlateMode	cfgIgAddrXlateModeDisabled cfgIgAddrXlateModeTunnel cfgIgAddrXlateModeNative2Nsap cfgIgAddrXlateModeNsap2Native	Disabled Tunnel NativetoAESA AESAtoNative
CvChanExtClockBackup	chanExtClockBackupLoopTimed chanExtClockBackupInternal	LoopTimed Internal

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvChannelAdminStatus	channelAdminUp channelAdminDown channelAdminTesting	Up Down Testing
CvChannelDiagType	chanLpbkInternal chanLpbkExternal chanLpbkDs1NearEnd chanLpbkDs1FarEnd chanLpbkBert chanLpbkInjectErr chanLpbkClearErrCounter	None Internal External Ds1NearEnd Ds1FarEnd Bert InjectError ClearErrCounter
CvChanXBertStatus	xbertUnused xbertUnavailable xbertOutOfFrame xbertInFrame	Unused Unavailable OutOfFrame InFrame
CvChDs3ApplMode	chDs3ApplM23 chDs3ApplCbitParity	M13 CbitParity
CvChDs3ZeroCoding	ds1ZeroCodingCChan ds1ZeroCodingJBit	Nx64 Nx56
CvCircuitAdminStatus	circuitAdminDown circuitAdminUp	Down Up

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvCircuitFailReason	cktFailNone cktFailAdminDown cktFailNoVcBuff cktFailNoBandwidth cktFailNoRoute cktFailTimeout cktFailNoPduBuff cktFailNoDest cktFailTrunkRnr cktFailTrunkDown cktFailBalanceReroute cktFailDead cktFailDefPathReroute cktFailNiDown cktFailOtherPvcSecDown cktFailOtherPvcSegRnr cktFailUsingAltPathWarning	None AdminDown NoVcBuff NoBandwidth NoRoute Timeout NoPduBuff NoDest TrunkRnr TrunkDown BalanceReroute Dead DefPathReroute NiDown OtherPvcSecDown OtherPvcSegRnr UsingAltPathWarning
CvCircuitOperStatus	circuitOperInactive circuitOperActive	Inactive Active
CvCircuitPriority	cvCircuitPriorityLower cvCircuitPriorityLow cvCircuitPriorityMedium cvCircuitPriorityHigh	4 3 2 1
CvCircuitTos	circuitCommitted circuitShared	Committed Shared
CvCircuitXlationType	xlationNone xlation1490and1483 xlation1483and1490	None 1490and1483 1483and1490
CvCircuitZeroCIR	cvCircuitZeroCIROff cvCircuitZeroCIROn	Off On
CvCktAtmBillPvcControl	cvCktAtmBillControlDisabled cvCktAtmBillControlEnabled cvCktAtmBillControlStudy	Disabled Enabled Study

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvCktAtmBillUsage	cvCktAtmBillUsageDisabled cvCktAtmBillUsageEgress cvCktAtmBillUsageIngress cvCktAtmBillUsageEnabled	Disabled Egress Ingress Enabled
CvCktFrameDiscard	cktFrameDiscardDisabled cktFrameDiscardEnabled	Disabled Enabled
CvCktFrBillUsageMeasure	cvCktFrBillUsageMeasureNone cvCktFrBillUsageMeasureBytes cvCktFrBillUsageMeasureFrames cvCktFrBillUsageMeasureBytesAndFrames cvCktFrBillUsageMeasureDeBytes cvCktFrBillUsageMeasureBytesAndDeBytes cvCktFrBillUsageMeasureFramesAndDeBytes cvCktFrBillUsageMeasureAll	None Bytes Frames BytesAndFrames DeBytes BytesAndDeBytes FramesAndDeBytes All
CvCktFrToAtmEFCI	cvFRFecn cvEFCI0	Fr-Fecn Efci0
CvCktLeafAdminStatusEnum	cktLeafAdmDown cktLeafAdmUp	Down Up
CvCktNdcEnable	cktNdcEnableOff cktNdcEnableOn	Off On
CvCktParamRecording	cvCktParamRecordingDisabled cvCktParamRecordingEnabled	Disabled Enabled
CvCktRerouteBalance	cktRerouteBalanceEnabled cktRerouteBalanceDisabled	Enabled Disabled

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
cvClassOfSrv	cvCOSCBR cvCOSVBRRealTime cvCOSVBRNonRealTime cvCOSUBR cvCOSABR cvCOSUnspecCBR cvCOSUnspecVBRNonRealTime cvCOSUnspecBestEffort	CBR VBRRealTime VBRNonRealTime UBR ABR UnspCBR UnspVBRNrt UnspBestEffort
CvCLLMAdminState	cllmAdminDown cllmAdminUp	Down Up
CvClockSource	clockSrcDce clockSrcLoopTimedDce clockSrcDte clockSrcDirectTrunk clockSrcLoopTimed clockSrcInternal clockSrcExternal	Dce LoopTimedDce Dte DirectTrunk LoopTimed Internal External
CvCloseLoopEnabled	congEnabledOff congEnabledOn	Off On
CvClp	cvClp0 cvClp1 cvClpFrDe	0 1 fr_de
CvCollectPeriod	cvCollectPeriod15Min cvCollectPeriod20Min cvCollectPeriod30Min cvCollectPeriod1Hour cvCollectPeriod2Hour cvCollectPeriod3Hour cvCollectPeriod4Hour cvCollectPeriod6Hour cvCollectPeriod12Hour cvCollectPeriod24Hour	15Min 20Min 30Min 1Hr 2Hr 3Hr 4Hr 6Hr 12Hr 24Hr
CvConnectionType	cvConnTypeNetEndsystem cvConnTypeNetNet	NetToEnd NetToNet

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvConnID	cvConnIDAny cvConnIDSpecific	Any Specific
CvCrcChecking	cvCrc16 cvCrc32	CRC-16 CRC-32
CvCugTermination	cvAddrAttrCugTermination Disabled cvAddrAttrCugTermination	Disabled Enabled
CvDe	cvDe0 cvDe1 cvDeAtmClp	0 1 atm_clp
CvDefinedPath	cvDefinedPathEnabled cvDefinedPathDisabled	Enabled Disabled
CvDiscardSelect	discardSelectDisabled discardSelectEnabled	EPD CLP1
CvDlciAddrFormat	dlciAddrFormatQ922	Q922
CvDlciAddrLen	dlciAddrLen2Oct10Bit dlciAddrLen3Oct10Bit dlciAddrLen3Oct16Bit dlciAddrLen4Oct17Bit dlciAddrLen4Oct23Bit	2Oct10Bit 3Oct10Bit 3Oct16Bit 4Oct17Bit 4Oct23Bit
CvDlcmiStdType	dlcmiStdDisabled dlcmiStdLmiRev1 dlcmiStdAnsiT1dot617D dlcmiStdCcittQ933A dlcmiStdAutoDetect dlcmiStdAnsiT1dot617B	Disabled LmiRev1 AnsiT1dot617D CcittQ933A AutoDetect AnsiT1dot617B
CvDs0BitStuffing	bitStuffOff bitStuffOn	Off On
CvDs1ConnType	ds1ConnTypeToNetwork ds1ConnTypeToDsx1	ToNetwork ToDsx1
CvDs1LineBuildOut	ds1LineBuildOut0db ds1LineBuildOutMinus7dot5db ds1LineBuildOutMinus15db	0db Minus7dot5db Minus15db

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvDs1LineLength	ds1LineLength0to133ft ds1LineLength133to266ft ds1LineLength266to399ft ds1LineLength399to533ft ds1LineLength533to655ft	0to133ft 133to266ft 266to399ft 399to533ft 533to655ft
CvDs1LineType	ds1LineTypeD4 ds1LineTypeEsfAnsi ds1LineTypeEsfCcitt ds1LineTypeEsfAttAddressA ds1LineTypeEsfNone ds1LineTypeE1CasCrc4 ds1LineTypeE1CasNoCrc4 ds1LineTypeE1NoCasCrc4 ds1LineTypeE1NoCasNoCrc4 ds1LineTypeEsfAttAddressB	D4 EsfAnsi EsfCcitt EsfAttAddressA EsfNone E1CasCrc4 E1CasNoCrc4 E1NoCasCrc4 E1NoCasNoCrc4 EsfAttAddressB
CvDs1LoopbackCodeType	ds1CSULoopback ds1NNILoopback	CSU NNI
CvDs1NearEndLoopConfig	ds1ClearLoop ds1PayloadLoop ds1LineLoop ds1DiagLoop	Ds1ClearLoop Ds1PayloadLoop Ds1LineLoop Ds1DiagLoop
CvDs1NearEndLoopStatus	ds1Noloop ds1FramedInbandLineLoop ds1FdlESFAnsiLineLoop ds1FdlESFAnsiPayloadLoop ds1DS3CbitLineLoop ds1NMSLineLoop ds1NMSPayloadLoop ds1NMSDiagLoop	NoLoop FramedInbandLineLoop FdlESFAnsiLineLoop FdlESFAnsiPayloadLoop DS3CbitLineLoop NMSLineLoop NMSPayloadLoop NMSDiagLoop

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvDs1SendCode	ds1SendNoCode	NoCode
	ds1SendFramedCSULineActuateLoop	FramedCSULineActivateLoop
	ds1SendFramedCSULineReleaseLoop	FramedCSULineReleaseLoop
	ds1SendFramedNNILineActuateLoop	FramedNNILineActivateLoop
	ds1SendFramedNNILineReleaseLoop	FramedNNILineReleaseLoop
	ds1SendFd1ESFAnsiLineActuateLoop	Fd1ESFAnsiLineActivateLoop
	ds1SendFd1ESFAnsiLineReleaseLoop	Fd1ESFAnsiLineReleaseLoop
	ds1SendFd1ESFAnsiPayloadActuate Loop	Fd1ESFAnsiPayloadActivateLoop
	ds1SendFd1ESFAnsiPayloadRelease Loop	Fd1ESFAnsiPayloadReleaseLoop
	ds1SendUnframedCSULineActuate Loop	UnframedCSULineActivateLoop
	ds1SendUnframedCSULineRelease Loop	UnframedCSULineReleaseLoop
	ds1SendUnframedNILineActuateLoop	UnframedNILineActivateLoop
	ds1SendUnframedNILineReleaseLoop	UnframedNILineReleaseLoop
	ds1SendOOBNILineActuateLoop	OOBNILineActivateLoop
	ds1SendOOBNILineReleaseLoop	OOBNILineReleaseLoop
CvDs1ZeroCoding	ds1ZeroCodingAmi	Ami
	ds1ZeroCodingB8Zs	B8Zs
	ds1ZeroCodingJammedBit	JammedBit
	ds1ZeroCodingHdb3	Hdb3
CvDs3LineBuildOut	ds3LineBuildOut0to225ft	0to225ft
	ds3LineBuildOut226to450ft	226to450ft
CvDs3PLCPOption	ds3PLCPDisabled	Disabled
	ds3PLCPEnabled	Enabled
	ds3PLCPNotSupport	NotSupported
CvDsx1LineLength	dsx1LineLength0to110ft	0to110ft
	dsx1LineLength110to220ft	110to220ft
	dsx1LineLength220to330ft	220to330ft
	dsx1LineLength330to440ft	330to440ft
	dsx1LineLength440to550ft	440to550ft
	dsx1LineLength550to660ft	550to660ft
	dsx1LineLengthOver660ft	Over660ft
CvDsx1XfaceType	dsx1XfaceTypeRj48	Rj48
	dsx1XfaceType15Db120ohm	15Db120ohm

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvE1LineCode	e1LineCodeAMI e1LineCodeHdb3	AMI Hdb3
CvE1XfaceType	e1XfaceTypeCoaxPair75ohm e1XfaceType15Db120ohm e1XfaceType75n8 e1XfaceType120n8	CoaxPair75ohm 15Db120ohm 8portE1CoaxPair75ohm 8portE115Db120ohm
CvEfciMarking	efciDisabled efciEnabled	Disabled Enabled
CvErrorCheckFlag	errorCheckOff errorCheckOn	Off On
CvExtClockBackup	extClockBackupUndefine extClockBackupInternal extClockBackupLoopTimed	Undefined Internal LoopTimed
CvFrLPortType	frUniDce frUniDte frNni frOPTimumTrunk	UniDce UniDte Nni OPTimumTrunk
CvGracefulDiscard	cvGracefulDiscardEnabled cvGracefulDiscardDisabled	On Off
CvHeartBPFlag	heartBPOff heartBPOn	Off On
CvInitiateBackup	cvTrkBuSource cvTrkBuDestination	no yes
CvIomClockSource	cardClockPrimSys cardClockSecSys cardClockPrefSys cardClockLocal	PrimSys SecSys PrefSys Local
CvLinkFraming	ds1LinkFramingD4 ds1LinkFramingEsfCcitt	D4 EsfCcitt
CvLinkType	linkUser linkTrunk linkTransport	User Trunk Transport

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvLpAcctControl	lpAcctDisabled lpAcctEnabled	Disabled Enabled
CvLpAcctGeneralRecording	lpAcctGenRecDisabled lpAcctGenRecOriginating lpAcctGenRecTerminating lpAcctGenRecEnabled	Disabled Originating Terminating Enabled
CvLpAcctIntraRecording	lpAcctIntraRecDisabled lpAcctIntraRecEnabled lpAcctIntraRecStudy	Disabled Enabled Study
CvLpAcctSubRecording	lpAcctSubRecDisabled lpAcctSubRecCalling lpAcctSubRecCalled lpAcctSubRecEnabled	Disabled Calling Called Enabled
CvLpFrAcctSvcControl	fracctLpSvcDisabled fracctLpSvcEnabled fracctLpSvcStudy	Disabled Enabled Study
CvLpFrBillUsageMeasure	cvLpFrBillUsageMeasureNone cvLpFrBillUsageMeasureBytes cvLpFrBillUsageMeasureDeBytes cvLpFrBillUsageMeasureFrames cvLpFrBillUsageMeasureAll cvLpFrBillUsageMeasureBytesAndFrames cvLpFrBillUsageMeasureBytesAndDeBytes cvLpFrBillUsageMeasureFramesAndDeBytes	None Bytes DeBytes Frames All BytesAndFrames BytesAndDeBytes FramesAndDeBytes
CvLPortAdminStatus	lPortAdminUp lPortAdminDown lPortAdminTesting	Up Down Testing
CvLPortAdminXmitSchedMode	cvFixedPriority cvWeightedRoundRobin	FixedPriority WeightedRoundRobin
CvLPortCongestion	lportCongestionAlways0 lportCongestionMapped	Always0 Mapped

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvLPortDiagType	lportLpbkNone lportLpbkInternal lportLpbkExternal lportLpbkDs0NearEnd lportLpbkDs0FarEnd lportLpbkDs0Bert lportLpbkInjectErr lportLpbkClearErrCounter	None Internal External Ds0NearEnd Ds0FarEnd Ds0Bert InjectError ClearErrCounter
CvLPortDiscardPriority	lportDiscardPriorityAlways0 lportDiscardPriorityAlways1 lportDiscardPriorityMapped	Always0 Always1 Mapped
CvLPortLoopStatus	lPortLoopStatusNone lPortLoopStatusDs0NearEnd lPortLoopStatusDs0FarEnd lPortLoopStatusNotSupport	None Ds0NearEnd Ds0FarEnd NotSupport
CvLPortSignal	signalNonFr signalDce signalDte signalNni signalDxiDte	NonFr Dce Dte Nni DxiDte
CvNrtsDaughterCard	nrtsDaughterCardDisabled nrtsDaughterCardEnabled	Disabled Enabled
CvNrtsManageVBRnrtTraffic	manageVBRnrtTrafficDisabled manageVBRnrtTrafficEnabled	Disabled Enabled
CvOamAlarms	cvOamAlarmsDisabled cvOamAlarmsEnabled	Disabled Enabled
CvOc3MediumType	oc3MediumTypeSonet oc3MediumTypeSdh	SONET SDH
CvOc3XfaceTypeEnum	oc3XfMultimode oc3XfSinglemode oc3XfSinglemodeLR oc3XfStm1Copper	Multimode Singlemode SinglemodeLongReach STM-1Copper

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvOpticalXmitMode	xmitLaserInvalid xmitModeSonet xmitModeSdh	Invalid Sonet SDH
CvOtherLPortType	lPortDirectFrTrunk lPortDirectCellTrunk lPortEncapsulationFrad lPortPppTo1490Xlation lPortPppTo1483Xlation lPortIsdnPriDChannel lPortDirectMgmtTrunk	DirectFrTrunk DirectCellTrunk EncapsulationFrad PppTo1490Xlation PppTo1483Xlation IsdnPriDChannel DirectMgmtTrunk
CvPacketSegmentation	cvPacketSegmentationOff cvPacketSegmentationOn	Off On
CvPnniNodeAdminStatus	pnniAdminUp pnniAdminDown	Up Down
CvPPortAdminStatus	pPortAdminUp pPortAdminDown pPortAdminTesting	Up Down Testing
CvPPortBipErrorsThresh	bipErrorsThreshIgnore bipErrorsThresh4 bipErrorsThresh5 bipErrorsThresh6	Ignore 4 5 6
CvPPortCbitParity	cbitParityDisabled cbitParityEnabled	Disabled Enabled
CvPPortCellScramble	cellScrambleDisabled cellScrambleEnabled	Disabled Enabled

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvPPortDiagType	pportLpbkNone pportLpbkInternal pportLpbkExternal pportLpbkExternalLocalDte pportLpbkExternalLocalLine pportLpbkExternalRemoteLine pportLpbkMetallic pportLpbkPayload pportLpbkNearEndLine pportLpbkNearEndDiagnostic pportLpbkFarEnd pportLpbkFramedInbandLine pportLpbkUnframedInbandLine pportLpbkAnsiEsFdlLine pportLpbkAnsiEsFdlPayload pportLpbkE1NearEnd pportLpbkBert pportLpbkInjectErr pportLpbkClearErrCounter	None Internal External ExternalLocalDte ExternalLocalLine ExternalRemoteLine Metallic Payload NearEndLine NearEndDiagnostic FarEnd FramedInbandLine UnframedInbandLine AnsiEsFdlLine AnsiEsFdlPayload E1NearEnd Bert InjectError ClearErrCounter
CvPPortOperStatus	pPortOperUp pPortOperDown pPortOperTesting	Up Down Testing
CvPPortTcaStatus	cvPPortTcaEnabled cvPPortTcaDisabled	tcaEnabled tcaDisabled
CvProxySigAdminStatus	cvProxySigAdminDisabled cvProxySigAdminAgent cvProxySigAdminClient	Disabled Agent Client
CvPVCLoopbackStatus	cvPVCLoopbackNormal cvPVCLoopbackLocal cvPVCLoopbackRemote cvPVCLoopbackInvalid	Normal Local Remote Invalid
CvPvcTermination	cvAddrAttrPvcTerminationDisabled cvAddrAttrPvcTermination	Disabled Enabled
CvPvpTermination	cvAddrAttrPvpTerminationDisabled cvAddrAttrPvpTermination	Disabled Enabled

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvQ922Signal	cvQ922SignalDisabled cvQ922SignalEnabled	Disabled Enabled
CvRecvClock	recvClockDce recvClockLoopTimedDce recvClockDte recvClockDirectTrunk recvClockLoopTimed recvClockInternal recvClockExternal dsx1RecvClockExternal	Dce LoopTimedDce Dte DirectTrunk LoopTimed Internal External dsx1RecvClockExternal
CvRouteDetermination	cvAddrAttrRoutingDisabled cvAddrAttrRouting	Disabled Enabled
CvRouteDetermination	cvAddrAttrRoutingDisabled cvAddrAttrRouting	Disabled Enabled
CvScnOper	scnOperDisallow scnOperAllow	Disallow Allow
CvServiceClassSupported	CvServiceClassSupportedMono CvServiceClassSupportedMulti	Mono Multi
CvServiceType	serviceFrameRelay serviceSmds serviceAtm serviceOther	FrameRelay Smds Atm Other
CvServNameActiveBinding	cvServNameBindingPrimary cvServNameBindingBackup	Primary Backup
CvSetClear	cvClear cvSet	Clear Set
CvSingleBitErrCorr	singleBitDisabled singleBitEnabled	Disabled Enabled
CvSmdsLPortType	smdsSsiDte smdsDxiSniDce smdsDxiSniDte smdsOPTimumTrunk smdsMgmtTrunk	SsiDte DxiSniDce DxiSniDte OPTimumTrunk MgmtTrunk

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvSourceDefault	cvAddrAttrSourceDefaultDisable cvAddrAttrSourceDefaultBit	Disabled Enabled
CvSourceValidation	cvAddrAttrSourceValidationDisable cvAddrAttrSourceValidationBit	Disabled Enabled
CvSpvcCircuitType	cvSpvcVpc cvSpvcVcc	SPVPC SPVCC
CvSrcAddrValidation	cvAddrAttrValidationDisabled cvAddrAttrValidation	Disabled Enabled
CvSvcAddrScope	svcAddrLocal svcAddrLocalPOne svcAddrLocalPTwo svcAddrSiteMOne svcAddrIntraSite svcAddrSitePOne svcAddrOrgPOne svcAddrCommMOne svcAddrIntraComm svcAddrCommPOne svcAddrRegional svcAddrInterRegional svcAddrGlobal	Local LocalPlusOne LocalPlusTwo SiteMinusOne IntranetSite SitePlusOne OrgPlusOne CommunityMinusOne IntranetCommunity CommunityPlusOne Regional InterRegional Global
CvSvcInternalMgmt	cvSvcInternalMgmtEnabled cvSvcInternalMgmtDisabled	Enabled Disabled
CvSvcOSPFAreaSummary	svcOSPFAreaSummaryEnabled svcOSPFAreaSummaryDisabled	Enabled Disabled
CvSwAcctAsControl	swAcctAsPrimary swAcctAsSecondary	Primary Secondary
CvSwAcctControl	swAcctDisabled swAcctPvcEnabled swAcctSvcEnabled swAcctEnabled	Disabled PvcEnabled SvcEnabled Enabled
CvSwAcctOamCellCnt	swAcctOamDontCount swAcctOamInTotal	Disabled Enabled

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvSwAcctRecording	swAcctRecDisabled swAcctRecIntraEnabled	Disabled Enabled
CvT1AtmFeacLoopback	t1FeacLoopbackDisabled t1FeacLoopbackEnabled	Disabled Enabled
CvT1CircuitType	t1CircuitTypeSuperframe t1CircuitTypeExtendedSuperframe	SuperFrame ExtendedSuperframe
CvT1E1InBandLineLoopback Code	t1InBandLineLoopbackCodeCSU t1InBandLineLoopbackCodeNI	CSU NI
CvT1E1LineBuildOut	t1e1LineBuildOut0to133ft t1e1LineBuildOut133to266ft t1e1LineBuildOut266to399ft t1e1LineBuildOut399to533ft t1e1LineBuildOut533to655ft	0to133ft 133to266ft 266to399ft 399to533ft 533to655ft
CvT1LineCode	t1LineCodeAMI t1LineCodeB8ZS t1LineCodeAMINoBitStuff	AMI B8ZS AMINoBitStuff
CvTargetSelectType	cvTargetSelectTypeRequired cvTargetSelectTypeAny	Required Any
CvTrafficMgmtStatus	cvTrafficMgmtEnabled cvTrafficMgmtDisabled	Enabled
CvTrafficShaperType	shaperTypeVc shaperTypeVp	Vc Vp
CvTrkTrafficMix	trkTrafficNormal trkTrafficMgmtOnly trkTrafficMgmtAndPVCs	All MgmtOnly MgmtAndUserData
CvTrunkType	cvTrunkTypeNormal cvTrunkTypeBackup cvTrunkTypePrimary	Normal Backup Primary

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
CvUioXfaceType	uioXfaceTypeEia449 uioXfaceTypeX21 uioXfaceTypeEia530 uioXfaceTypeEia530A uioXfaceTypeV35 uioXfaceTypeV24	Eia449 X21 Eia530 Eia530A V35 V24
CvVpShaping	vpShapingEnabled vpShapingDisabled	Enabled Disabled
CvXmitClock	xmitClockDce xmitClockLoopTimedDce xmitClockDte xmitClockDirectTrunk xmitClockLoopTimed xmitClockInternal xmitClockExternal dsx1XmitClockExternal	Dce LoopTimedDce Dte DirectTrunk LoopTimed Internal External dsx1XmitClockExternal
CvXmitLaserStatus	xmitLaserInvalid xmitLaserDisabled xmitLaserEnabled	Invalid Disabled Enabled
DS0BitStuff	ds0BitStuffDisable ds0BitStuffEnable	Disable Enable
DS0FarEndLbType	ds0FarEndLbOCU ds0FarEndLbDSU ds0FarEndLbCSU	OCU DSU CSU
LPortDiagActivateFarEndDs0Lpbk	lportActivateFarEndDs0LpbkNo lportActivateFarEndDs0LpbkYes	No Yes
LPortObj__Config__CvEfciBitCheckType	efciBitCheckDisabled efciBitCheckEnabled	Disabled Enabled
LPortObj__Config__CvRmCellGenType	rmCellGenTypeNone rmCellGenTypeCcrm rmCellGenTypeBcm	NoLoop Ccrm Bcm
LPortObj__Config__CvRmCellTermType	rmCellTermTypeCcrmOnly rmCellTermTypeCcrmAndBcm	Ccrm CcrmAndBcm

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
LPortPrivNetOverflow	LPortUsePublicPrivNetOverflow LPortRestrictPrivNetOverflow	Public Restricted
PerformanceMonitorObj__Config__CvPMSESThresholdSetting	PMSESThresholdSettingBellcore PMSESThresholdSettingANSI	Bellcore ANSI
PerformanceMonitorObj__Config__CvPMThresholdCrossingCtrl	PMThresholdCrossingDisabled PMThresholdCrossingEnabled	Disabled Enabled
PFdlObj__Config__CvFdlControl	fdlControlDisabled fdlControlEnabled	Disabled Enabled
PFdlObj__Config__CvPathIdTransmission	pathIdTransmissionDisabled pathIdTransmissionEnabled	Disabled Enabled
PFdlObj__Config__CvPrmTransmission	prmTransmissionDisabled prmTransmissionEnabled	Disabled Enabled
PPortLoopStatus	pportlpstNone pportlpstPayload pportlpstLine pportlpstDiag pportlpstDiagLIU pportlpstExternal pportlpstFramedInBandLine pportlpstUnframedInBandLine pportlpstFdlLine pportlpstFdlPayload pportlpstSonetLine pportlpstSonetDiag pportlpstMetallic pportlpstDs3FarEndInit	None Payload Line Diag DiagLIU Ds1External FramedInBandLine UnframedInBandLine EsfFdlLine EsfFdlPayload NearLine sonetDiag Metallic Ds3FarEndInit
PPortObj__Config__CvIdleCellType	privateNetOverflowRestrict privateNetOverflowPublic	Restricted Public
PrivateNetOverflowMode	atmForum itu	AtmForum Itu
RateEnforcementScheme	jumpingWindowScheme simpleScheme	Jump Simple

Table 4-1. Enumerated Data Types and Values (Continued)

Enumerated Type Name	API Values	CLI Values
RIPSendHostRoutesStates	ripSendHostRoutesOffState ripSendHostRoutesOnState	Off On
RIPStates	ripOffState ripOnState	Off On
SecScnAddrType	scnAddrTypeIgnored scnAddrTypeAesa scnAddrTypeE164	Ignore AESA E164
SecScnAdminStatus	secScnAdminActive secScnAdminInactive	Active Inactive
SecScnCallDirection	scnCallDirIngress scnCallDirEgress	Ingress Egress
SecScnDefault	scnDefaultPass scnDefaultBlock	Pass Block
SecScnMode	scnModeAllScns scnModeDefaultScn	AllScreens DefaultScreen
SecScnType	scnTypePass scnTypeBlock	Pass Block
SmdsPduViolTcaFlag	smdsPduViolTcaDisable smdsPduViolTcaEnable	Disable Enable
SvcConfigObj__Config__ CvFrameDiscard	frameDiscardDisabled frameDiscardEnabled	Disabled Enabled
TelnetSession	telnetSessionDisable telnetSessionEnable	Disabled Enabled
VpciRowStatus	rowStatusActive rowStatusInactive	Active InActive