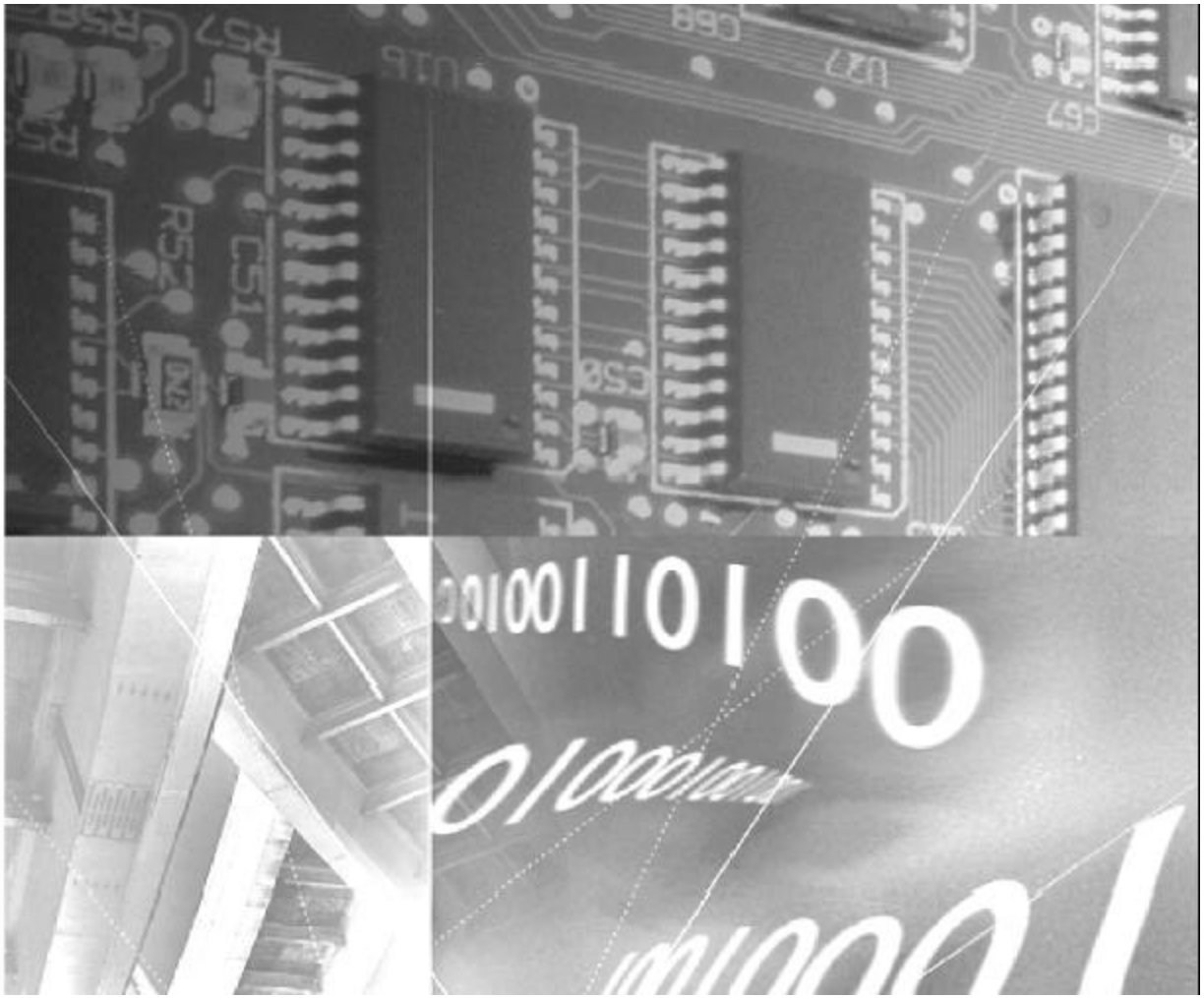
HiPer
Network Management Card

Network Application Card
Parameter Reference



Part No. 1.024.1000-03
Version 6.0, 6.1, 6.2

Contents

About This Reference

This section provides an overview of this reference, describes reference conventions, tells you where to look for specific information, and lists other useful publications.

This reference is intended for network administrators with some training or experience working in a data center using Total Control equipment. Prior experience with SNMP is recomended. This reference is most useful if you are already familiar with using an SNMP browser.

3Com® ships release notes with some products. If the information in the release notes differs from the information in this reference, follow the instructions in the release notes.

This document was written with the assumption that the user has some knowledge of data processing, telecommunications, and networking.

Conventions

The following tables list conventions that are used throughout this guide.

Notice Icons

Icon	Notice Type	Description
	Information note	Information that contains important features or instructions.
	Caution	Information to alert you to potential damage to a program, system, or device.
	Warning	Information to alert you to potential personal injury or fatality. May also alert you to potential electrical hazard.
	ESD	Information to alert you to take proper grounding precautions before handling a product.

Text Conventions

Convention	Description
Text represented as a `screen display`	This typeface represents displays that appear on your terminal screen, for example: `Netlogin:` This typeface also represents objects written in a MIB text (.txt) file.
Text represented as **`commands`**	**`This typeface`** represents commands that you enter, for example: **`setenv TCMHOME directory`**
Text represented as **menu** or **sub-menu names**.	**This typeface** represents all menu and sub-menu names within procedures, for example: On the **File** menu, click **New**.

Related Documentation

Complete HiPer NMC documentation is available on the Total Control Documentation Library CD-ROM. The HiPer NMC documentation set

includes these documents:

- **HiPer NMC NAC Getting Started Guide —** this document contains installation and troubleshooting information for the HiPer NMC NAC
- **NMC Product Reference —** this document contains product information, additional NMC User Interface configuration data, troubleclearing, technical specifications, and technical appendices
- **NMC Parameter Reference —** this document contains a complete tabular listing of NMC MIBs and their related data, plus a cross reference to Total Control Manager (TCM) commands
- **NMC SNMP and MIB Reference —** this document provides additional information about SNMP, NMC MIBs, and their application to the Total Control chassis
- **Software Download-2 (SDL-2) Instructions —** this document provides instructions for using SDL-2 from SNMP and through Total Control Manager
- **10/100 Ethernet Aux I/O NIC Getting Started Guide —** this document contains installation and troubleshooting information for the 10/100 Ethernet Aux I/O NIC that is used with the HiPer NMC NAC

Additional documentation for previous NMC-486 releases is available on the Total Control Documentation Library CD-ROM. Documentation for other previous NMC releases is available at *http:\\totalservice.usr.com*.

Contacting 3Com

Call the appropriate toll free number listed below for technical support.

For European countries that do not have a toll free number listed, call +31 30 602 9900.

Country	Toll Free Number	Country	Toll Free Number
Austria	06 607468	**Netherlands**	0800 0227788
Belgium	0800 71429	**Norway**	800 11376
Canada	1800 2318770	**Poland**	00800 3111206
Denmark	800 17309	**Portugal**	0800 831416
Finland	0800 113153	**South Africa**	0800 995014
France	0800 917959	**Spain**	900 983125
Germany	0800 1821502	**Sweden**	020 795482
Hungary	00800 12813	**Switzerland**	0800 553072
Ireland	1800 553117	**UK**	0800 966197
Israel	0800 9453794	**United States**	1800 2318770
Italy	1678 79489	***All Other Locations (Outside Europe)***	1847 7976600

Refer to the Total Control Hub Documentation CD-ROM for more information regarding product warranty.

For information about Customer Service, including support, training, contracts, and documentation, visit our website at ***http://totalservice.3com.com***

1 HiPer ARC Card-level Parameters

This chapter describes the HiPer ARC card-level parameters applicable to NACs operating with these software applications:

- HiPer Access Router Concentrator
- HiPer ARC

Software Commands

HiPer ARC Card Actions:

- No Command (NF)
- Save to NVRAM (NF)
- Restore from NVRAM (NF)
- Restore from Defaults (NF)
- Non-Disruptive Self Test (NF)
- Disruptive Self Test (NF)
- Software Reset (NF)
- LAN Loopback (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
ipgwCmdMgtStationId	ipgwCmdMgtStationId 1.3.6.1.4.1.429.1.13.3.1.1.2 mandatory read-write in ipgw.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ipgwCmdReqId and ipgwCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
ipgwCmdReqId	ipgwCmdReqId 1.3.6.1.4.1.429.1.13.3.1.1.3 mandatory read-only in ipgw.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command or test on this IP Gateway Card. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	
ipgwCmdFunction	ipgwCmdFunction 1.3.6.1.4.1.429.1.13.3.1.1.4 mandatory read-write in ipgw.mib	This object contains a value which describes the command which is being invoked.	INTEGER 1 = noCommand 2 = saveToNVRAM 3 = restoreFromNVRAM 4 = restoreFromDefault 5 = nonDisruptSelfTest 6 = disruptSelfTest 7 = softwareReset 8 = lanLoopBack 9 = bulkfileUpload 10 = bulkfileDownload	
ipgwCmdForce	ipgwCmdForce 1.3.6.1.4.1.429.1.13.3.1.1.5 mandatory read-write	In some cases the IP Gateway Card may be in a state such that certain commands could adversely affect connections. In such cases a command request with this object not present or set to	INTEGER 1 = force 2 = noForce	

TCM Name	ASN.1 MIB	Description	Settings	Command
ipgwCmdMgtStationId	ipgwCmdMgtStationId 1.3.6.1.4.1.429.1.13.3.1.1.2 mandatory read-write in ipgw.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ipgwCmdReqId and ipgwCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	in ipgw.mib	noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent issue of the command to cause the command to be carried out regardless of its potentially hazzardous effects.		
ipgwCmdParam	ipgwCmdParam 1.3.6.1.4.1.429.1.13.3.1.1.6 mandatory read-write in ipgw.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no aditional parameters required.	OCTET STRING	
ipgwCmdResult	ipgwCmdResult 1.3.6.1.4.1.429.1.13.3.1.1.7 mandatory read-only in ipgw.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
ipgwCmdCode	ipgwCmdCode 1.3.6.1.4.1.429.1.13.3.1.1.8 mandatory read-only in ipgw.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. In the case of tests a bit mapped result of each of the sub-tests performed can be found in the status table.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 25 = testFailed 58 = userInterfaceActive 73 = pendingSoftwareDownload	

Hardware Commands

HiPer ARC Card Actions:

- Hardware No Command (NF)
- Remove from Service (F)
- Restore to Service (NF)
- Hardware Reset (F)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write in chs.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uchasCmdResult	uchasCmdResult 1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only in chs.mib	This object contains the result of the most recently requested test or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for saving the results of one command when starting another as	INTEGER 1 = none 2 = success 3 = inProgress	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
		could be required if used by multiple managers concurrently.	4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId 76 = sdlTrigger 77 = downloadingSdlFile 78 = crcTestingSdlFile 79 = queryWorkSpaceSize	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

AutoResponse

AutoResponse Events

HiPer ARC Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Configure Module from NMC NVRAM
- Configure Module from NMC Factory Defaults
- Remove Module from Service
- Restore Module to Service
- Test Module
- Reset Module
- Busy-Out Module's Analog Phone Lines
- Restore Module's Analog Phone Lines
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Re-initialized	uchasArModuleReinit 1.3.6.1.4.1.429.1.1.9.9.1.3.slot optional read-write in chs.mib	This script is triggered when the following occur: chassis power transitions from off to on; a module is inserted in the chassis; software download has just been completed to a module; a module is restored to service; or a module is reset (hardware).	OCTET STRING SIZE(0...40)	
Module Removed	uchasArModuleRemoved 1.3.6.1.4.1.429.1.1.9.9.1.4.slot optional read-write in chs.mib	This script is triggered when a module is physically removed from the chassis.	OCTET STRING SIZE(0...40)	
Module Non-operational	uchasArModuleNonoper 1.3.6.1.4.1.429.1.1.9.9.1.5.slot	This script is triggered when the following occur: software download to a module has just been started; a module is removed	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
	optional read-write in chs.mib	from service; or a module has failed (i.e. all entities on that module have failed).		
Module Watchdog Time-out	uchasArModuleWatchdog 1.3.6.1.4.1.429.1.1.9.9.1.6.slot optional read-write in chs.mib	This script is triggered when one or more module entities experience a watchdog time-out.	OCTET STRING SIZE(0...40)	

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
NAC Reset Trap	ipgwTrapEnaUiReset 1.3.6.1.4.1.429.1.13.4.1.1.2.slot*1000 + channel mandatory read-write in ipgw.mib	Enables reporting of traps for card reset requests initiated from the Gateway NAC user interface.	INTEGER 1 = enable 2 = disable	

Gateway Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Network Failed Trap	gwTegwNetworkFailed 1.3.6.1.4.1.429.1.18.1.1.1.2.slot*1000 + channel mandatory read-write in gw.mib	Enable generation of an SNMP trap upon detection of an network failure of the specified gateway.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Network Restored Trap	gwTegwNetworkRestored 1.3.6.1.4.1.429.1.18.1.1.1.3.slot*1000 + channel mandatory read-write in gw.mib	Enable generation of an SNMP trap upon detection of an network restore of the specified gateway.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Packet Bus Sessions

TCM Name	ASN.1 MIB	Description	Settings	Command
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
Session Status	pbSessionStatus 1.3.6.1.4.1.429.1.12.2.1.1.7.slot*1000 + channel mandatory read-only in pb.mib	Displays the current status of the packet bus session. A status of Unassigned coupled with a state of used indicates that a packet bus failure has occured.	INTEGER 1 = unassigned 2 = assigned 3 = connected	
Last Packet Communication Type	pbSessionLastRequest 1.3.6.1.4.1.429.1.12.2.1.1.9.slot*1000 + channel optional read-only in pb.mib	Indicates the type of communications contained in the last packet sent to the destination entity.	INTEGER 1 = unknown 2 = open 3 = close 4 = listen 5 = dial 6 = disconnect 7 = transmit 8 = receive 9 = setMode 10 = query 11 = flush 12 = kill 13 = reserve 14 = answer 15 = attach	
Session TX Packet Count	pbSessionPktSents 1.3.6.1.4.1.429.1.12.2.1.1.10.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been sent.	Counter	
Session RX Packet Count	pbSessionPktRcvds 1.3.6.1.4.1.429.1.12.2.1.1.11.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been received.	Counter	
Session Packet Size	pbSessionPktSize 1.3.6.1.4.1.429.1.12.2.1.1.12.slot*1000 + channel mandatory read-only in pb.mib	A number that indicates the packet size of the current or last established session.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
Session Packet Timeout Count	pbSessionBusTimeOuts 1.3.6.1.4.1.429.1.12.2.1.1.13.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packet bus timeout that have occurred.	Counter	
Session Error Status	pbSessionErrorStatus 1.3.6.1.4.1.429.1.12.2.1.1.14.slot*1000 + channel mandatory read-only in pb.mib	Error return status from last packet command.	INTEGER 1 = noError 2 = invalidParm 3 = socketNotOpened 4 = noMoreSocket 5 = connectionExist 6 = connectionFailed 7 = noMoreConnObj 8 = noActiveConn 9 = ackWaitTimeout 10 = hwNakRcvd 11 = otherBusError 12 = linkStartRcvd 13 = outOfSeqFrame 14 = noMemory 15 = nullPointer 16 = invalidBlock 17 = notInitialized 18 = failedToRecv 19 = invalidMsgType 20 = exceedMaxSends 21 = connectionReset 22 = socketClosed 23 = uiReqPending 24 = heartbeatTimeout 25 = remoteBusy 26 = localBusy 27 = noResponse 28 = linkdownNoTx 29 = noDataToTx 30 = txPreAck 31 = txTardyAck 32 = txBusTimeOut 33 = rxBusTimeOut 34 = txTAL	

TCM Name	ASN.1 MIB	Description	Settings	Command
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
			35 = rxTAL 36 = txMasterTimeOut 37 = clkVanished 38 = clkReturned 39 = shutdown 40 = frameError 41 = xIDTimeOut 42 = recvLSinInfoTransferState 43 = recvlFrameWithWrongSeq 44 = rxMsgBufferOverflow 45 = linkDown 46 = listenFailed 47 = listenRcvFailed 48 = dtrDrop 49 = answerFailed 50 = openFailed 51 = closeFailed 52 = readFailed 53 = writeFailed 54 = autoParityFailed 55 = setmodeFailed 56 = badDataBase 57 = padStreamsError 58 = padError	

Programmed Settings

HiPer ARC Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	uchasEntityOperStatus 1.3.6.1.4.1.429.1.1.2.1.1.5.slot*1000 + channel mandatory read-only in chs.mib	Provides operational status of the entity for which this row corresponds.	INTEGER 1 = other 2 = outOfService 3 = testing 4 = operational 5 = failed 6 = loading 7 = inLoopBackTest	
Serial Number	uchasSlotModuleSerialNumber 1.3.6.1.4.1.429.1.1.1.1.1.6.slot mandatory read-only in chs.mib	The serial number of the module present in the slot. If the slot is empty this value will be a zero length string.	DisplayString SIZE(0...31)	
Hardware Revision	uchasSlotModuleVersion 1.3.6.1.4.1.429.1.1.1.1.1.5.slot mandatory read-only in chs.mib	A textual description of the version/revision level for this module's hardware.	DisplayString SIZE(0...124)	
Software Version	uchasEntityVersion 1.3.6.1.4.1.429.1.1.2.1.1.4.slot*1000 + channel mandatory read-only in chs.mib	A textual description of the version/revision level for this entity's software.	DisplayString SIZE(0...124)	
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	
DIP Switch Settings	uchasSlotSwitchSettings 1.3.6.1.4.1.429.1.1.1.1.1.11.slot mandatory read-only in chs.mib	This represents the DIP switch settings on the NAC. It is a bitmapped integer.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Local IP Address	ipgwCfgLocalIpAdrs 1.3.6.1.4.1.429.1.13.1.1.1.2.slot*1000 + channel mandatory read-write in ipgw.mib	Specifies the local IP address used by the IP Gateway Card for management related access.	IpAddress	
Gateway IP Address	ipgwCfgGatewayIpAdrs 1.3.6.1.4.1.429.1.13.1.1.1.3.slot*1000 + channel mandatory read-write in ipgw.mib	Specifies the IP address of the gateway for the IP Gateway card.	IpAddress	
Trap Destination	ipgwCfgTrapDest 1.3.6.1.4.1.429.1.13.1.1.1.4.slot*1000 + channel mandatory read-write in ipgw.mib	Specifies whether the IP Gateway Card sends SNMP traps to the NMC or only to its locally configured management stations. Default=local.	INTEGER 1 = nmc 2 = local 3 = both	
Gateway Net Mask	ipgwCfgGatewayNetMask 1.3.6.1.4.1.429.1.13.1.1.1.5.slot*1000 + channel mandatory read-write in ipgw.mib	Specifies the subnet mask for the IP Gateway Card.	IpAddress	
Ethernet Framing	ipgwCfgEthnetFraming 1.3.6.1.4.1.429.1.13.1.1.1.6.slot*1000 + channel mandatory read-write in ipgw.mib	Specifies the type of ethernet framing used by the IP Gateway Card.	INTEGER 1 = snap 2 = dix	
Ethernet Interface Name	ipgwCfgEthIfaceName 1.3.6.1.4.1.429.1.13.1.1.1.7.slot*1000 + channel mandatory read-write in ipgw.mib	Specifies the name of the ethernet interface that is to be used by the IP Gateway Card.	DisplayString SIZE(0...32)	
Default Management Station IP Address	ipgwCfgDefMgmtStationIp 1.3.6.1.4.1.429.1.13.1.1.1.8.slot*1000 + channel mandatory read-write in ipgw.mib	IP address of a management station allowed to manage the IP Gateway Card. Used with the community string for management security. Default =0.0.0.0.	IpAddress	
Default Comm String	ipgwCfgDefCommStr 1.3.6.1.4.1.429.1.13.1.1.1.9.slot*1000 + channel mandatory read-write in ipgw.mib	Specifies the default SNMP community string to be used by a management station in communicating with the IP Gateway Card. Used with the default management station IP address for management security access.	DisplayString SIZE(0...32)	

Packet Bus Sessions

TCM Name	ASN.1 MIB	Description	Settings	Command
Slot Session Assignment	pbSessionDestSlot 1.3.6.1.4.1.429.1.12.2.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies the slot of the entity in the chassis to which a packet bus session has been assigned.	INTEGER (1...64)	
Channel Sessions Assignment	pbSessionDestChan 1.3.6.1.4.1.429.1.12.2.1.1.4.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies a particular entity in a slot.	INTEGER (1...255)	
Availability for Packet Bus Session	pbSessionRowState 1.3.6.1.4.1.429.1.12.2.1.1.6.slot*1000 + channel mandatory read-write in pb.mib	Set availability for this row of packet bus session. Default=free(1).	INTEGER 1 = free 2 = used	
Session Request Status	pbSessionReqStatus 1.3.6.1.4.1.429.1.12.2.1.1.8.slot*1000 + channel mandatory read-write in pb.mib	Used to assign or delete a session between the entities specified by the table indecies. A request connect is a issue of packet bus session link start and a request disconnect is a issue of packet bus session link terminate. Default=disconnected(1).	INTEGER 1 = disconnected 2 = connected	
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
Session Status	pbSessionStatus 1.3.6.1.4.1.429.1.12.2.1.1.7.slot*1000 + channel mandatory read-only in pb.mib	Displays the current status of the packet bus session. A status of Unassigned coupled with a state of used indicates that a packet bus failure has occured.	INTEGER 1 = unassigned 2 = assigned 3 = connected	
Last Packet Communication Type	pbSessionLastRequest 1.3.6.1.4.1.429.1.12.2.1.1.9.slot*1000 + channel optional read-only in pb.mib	Indicates the type of communications contained in the last packet sent to the destination entity.	INTEGER 1 = unknown 2 = open 3 = close 4 = listen 5 = dial 6 = disconnect 7 = transmit 8 = receive 9 = setMode 10 = query 11 = flush 12 = kill 13 = reserve 14 = answer 15 = attach	

TCM Name	ASN.1 MIB	Description	Settings	Command
Slot Session Assignment	pbSessionDestSlot 1.3.6.1.4.1.429.1.12.2.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies the slot of the entity in the chassis to which a packet bus session has been assigned.	INTEGER (1...64)	
Session TX Packet Count	pbSessionPktSents 1.3.6.1.4.1.429.1.12.2.1.1.10.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been sent.	Counter	
Session RX Packet Count	pbSessionPktRcvds 1.3.6.1.4.1.429.1.12.2.1.1.11.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been received.	Counter	
Session Packet Size	pbSessionPktSize 1.3.6.1.4.1.429.1.12.2.1.1.12.slot*1000 + channel mandatory read-only in pb.mib	A number that indicates the packet size of the current or last established session.	INTEGER	
Session Packet Timeout Count	pbSessionBusTimeOuts 1.3.6.1.4.1.429.1.12.2.1.1.13.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packet bus timeout that have occurred.	Counter	
Session Error Status	pbSessionErrorStatus 1.3.6.1.4.1.429.1.12.2.1.1.14.slot*1000 + channel mandatory read-only in pb.mib	Error return status from last packet command.	INTEGER 1 = noError 2 = invalidParm 3 = socketNotOpened 4 = noMoreSocket 5 = connectionExist 6 = connectionFailed 7 = noMoreConnObj 8 = noActiveConn 9 = ackWaitTimeout 10 = hwNakRcvd 11 = otherBusError 12 = linkStartRcvd 13 = outOfSeqFrame 14 = noMemory 15 = nullPointer 16 = invalidBlock 17 = notInitialized 18 = failedToRecv 19 = invalidMsgType 20 = exceedMaxSends 21 = connectionReset 22 = socketClosed 23 = uiReqPending	

TCM Name	ASN.1 MIB	Description	Settings	Command
Slot Session Assignment	pbSessionDestSlot 1.3.6.1.4.1.429.1.12.2.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies the slot of the entity in the chassis to which a packet bus session has been assigned.	INTEGER (1...64)	
			24 = heartbeatTimeout 25 = remoteBusy 26 = localBusy 27 = noResponse 28 = linkdownNoTx 29 = noDataToTx 30 = txPreAck 31 = txTardyAck 32 = txBusTimeOut 33 = rxBusTimeOut 34 = txTAL 35 = rxTAL 36 = txMasterTimeOut 37 = clkVanished 38 = clkReturned 39 = shutdown 40 = frameError 41 = xlDTimeOut 42 = recvLSinInfoTransferState 43 = recvlFrameWithWrongSeq 44 = rxMsgBufferOverflow 45 = linkDown 46 = listenFailed 47 = listenRcvFailed 48 = dtrDrop 49 = answerFailed 50 = openFailed 51 = closeFailed 52 = readFailed 53 = writeFailed 54 = autoParityFailed 55 = setmodeFailed 56 = badDataBase 57 = padStreamsError 58 = padError	

2 HiPer DSP Card-level Parameters

This chapter describes the HiPer DSP card-level parameters applicable to the HiPer DSP 24-channel and HiPer DSP 30-channel NACs.

Actions/Commands

HiPer DSP Card-level Actions

TCM Name	ASN.1 MIB	Description	Settings	Command
t1hCmdMgtStationId	t1hCmdMgtStationId 1.3.6.1.4.1.429.1.26.3.1.1.2 mandatory read-write in t1h.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with t1hCmdReqId and t1hCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
t1hCmdReqId	t1hCmdReqId 1.3.6.1.4.1.429.1.26.3.1.1.3 mandatory read-only in t1h.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command or test on this T1 card. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	
t1hCmdFunction	t1hCmdFunction 1.3.6.1.4.1.429.1.26.3.1.1.4 mandatory read-write in t1h.mib	This object contains a value which describes the command which is being invoked.	INTEGER 1 = noCommand 2 = restoreT1E1AndMdmDefaults 3 = restoreT1E1FromDefault 4 = restoreMdmFromDefault 5 = saveT1E1AndMdmNvram 6 = saveT1E1Nvram 7 = saveMdmNvram 8 = restoreT1E1AndMdmNvram 9 = restoreT1E1Nvram 10 = restoreMdmNvram 11 = softwareReset 12 = restoreDefaultUlPassword 13 = restorecfg1todeflt 14 = restorecfg2todeflt 15 = restorecfg3todeflt 16 = restorecfg4todeflt 17 = saveCfg1toNvram 18 = saveCfg2toNvram 19 = saveCfg3toNvram 20 = saveCfg4toNvram 21 = restoreCfg1FromNvram 22 = restoreCfg2FromNvram 23 = restoreCfg3FromNvram 24 = restoreCfg4FromNvram	

TCM Name	ASN.1 MIB	Description	Settings	Command
t1hCmdMgtStationId	t1hCmdMgtStationId 1.3.6.1.4.1.429.1.26.3.1.1.2 mandatory read-write in t1h.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with t1hCmdReqId and t1hCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			25 = refreshCfg1Chans 26 = refreshCfg2Chans 27 = refreshCfg3Chans 28 = refreshCfg4Chans	
t1hCmdForce	t1hCmdForce 1.3.6.1.4.1.429.1.26.3.1.1.5 mandatory read-write in t1h.mib	In some cases the T1 card may be in a state such that certain commands could adversely affect connections. In such cases a command request with this object not present or set to noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent issue of the command to cause the command to be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
t1hCmdParam	t1hCmdParam 1.3.6.1.4.1.429.1.26.3.1.1.6 mandatory read-write in t1h.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no addtional parameters required.	OCTET STRING SIZE(0...24)	
t1hCmdResult	t1hCmdResult 1.3.6.1.4.1.429.1.26.3.1.1.7 mandatory read-only in t1h.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
t1hCmdCode	t1hCmdCode 1.3.6.1.4.1.429.1.26.3.1.1.8 mandatory read-only in t1h.mib	The value of this object upon commad completion indicates a futher description of what went wrong if the command was unsuccessful. In the case of tests a bit mapped result of each of the sub-tests performed can be found in the status table.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 25 = testFailed 58 = userInterfaceActive 73 = pendingSoftwareDownload	

Hardware Commands

HiPer DSP Card-level Actions:

- Hardware No Command (NF)
- Remove from Service (NF)
- Restore to Service (NF)
- Hardware Reset (F)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write in chs.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uchasCmdResult	uchasCmdResult 1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only	This object contains the result of the most recently requested test or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for	INTEGER 1 = none 2 = success	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	in chs.mib	saving the results of one command when starting another as could be required if used by multiple managers concurrently.	3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId 76 = sdlTrigger 77 = downloadingSdlFile 78 = crcTestingSdlFile	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			79 = queryWorkSpaceSize 80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

AutoResponse

AutoResponse Events

HiPer DSP Card-level Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) seconds
- Terminate Script Execution
- Continue If Test Passes
- Configure Module From NMC NVRAM
- Configure Module From NMC Factory Defaults
- Test Module
- Reset Module

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Re-initialized	uchasArModuleReinit 1.3.6.1.4.1.429.1.1.9.9.1.3.slot optional read-write in chs.mib	This script is triggered when the following occur: chassis power transitions from off to on; a module is inserted in the chassis; software download has just been completed to a module; a module is restored to service; or a module is reset (hardware).	OCTET STRING SIZE(0...40)	
Module Removed	uchasArModuleRemoved 1.3.6.1.4.1.429.1.1.9.9.1.4.slot optional read-write in chs.mib	This script is triggered when a module is physically removed from the chassis.	OCTET STRING SIZE(0...40)	
Module Non-operational	uchasArModuleNonoper 1.3.6.1.4.1.429.1.1.9.9.1.5.slot optional read-write in chs.mib	This script is triggered when the following occur: software download to a module has just been started; a module is removed from service; or a module has failed (i.e. all entities on that module have failed).	OCTET STRING SIZE(0...40)	
Module Watchdog Time-out	uchasArModuleWatchdog 1.3.6.1.4.1.429.1.1.9.9.1.6.slot optional read-write in chs.mib	This script is triggered when one or more module entities experience a watchdog time-out.	OCTET STRING SIZE(0...40)	

Faults

HiPer DSP Card-level Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Reset By DTE	t1hTeResetByDTE 1.3.6.1.4.1.429.1.26.4.1.1.2.slot*1000 + channel mandatory read-write in t1h.mib	Enables generation of an SNMP trap upon detection of reset by DTE on the modems in the card.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Programmed Settings

HiPer DSP Card-level Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	uchasEntityOperStatus 1.3.6.1.4.1.429.1.1.2.1.1.5.slot*1000 + channel mandatory read-only in chs.mib	Provides operational status of the entity for which this row corresponds.	INTEGER 1 = other 2 = outOfService 3 = testing 4 = operational 5 = failed 6 = loading 7 = inLoopBackTest	
Serial Number	uchasSlotModuleSerialNumber 1.3.6.1.4.1.429.1.1.1.1.1.6.slot mandatory read-only in chs.mib	The serial number of the module present in the slot. If the slot is empty this value will be a zero length string.	DisplayString SIZE(0...31)	
Hardware Revision	uchasSlotModuleVersion 1.3.6.1.4.1.429.1.1.1.1.1.5.slot mandatory read-only in chs.mib	A textual description of the version/revision level for this module's hardware.	DisplayString SIZE(0...124)	
Software Version	uchasEntityVersion 1.3.6.1.4.1.429.1.1.2.1.1.4.slot*1000 + channel mandatory read-only in chs.mib	A textual description of the version/revision level for this entity's software.	DisplayString SIZE(0...124)	
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	

Routing Method

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Routing Method	t1hCfgMdmRoutingMethod 1.3.6.1.4.1.429.1.26.1.1.1.2.slot*1000 + channel mandatory read-write in t1h.mib	Defines the mechanism used for modem call routing for this T1 card. Default= fixedAssignment(4).	INTEGER 1 = notSupported 2 = roundRobin 3 = firstAvailable 4 = fixedAssignment	

Call Routing

TCM Name	ASN.1 MIB	Description	Settings	Command
Inbound Call Routing Phone Number	t1hCrInboundPhNum 1.3.6.1.4.1.429.1.26.2.1.1.3.slot*1000 + channel mandatory read-write in t1h.mib	This is one of the inbound call routing phone numbers.	DisplayString SIZE(0...18)	
Inbound Call Routing Call Type	t1hCrInBoundCallType 1.3.6.1.4.1.429.1.26.2.1.1.4.slot*1000 + channel mandatory read-write in t1h.mib	This is one of the inbound call routing phone numbers. Default = analog(1).	INTEGER 1 = analog 2 = digital	

Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Group Selection	t1hCfgLogCallStatGrpSel 1.3.6.1.4.1.429.1.26.1.1.1.3.slot*1000 + channel mandatory read-write in t1h.mib	The optional call statistics groups included in log messages. Groups are Usage(1) Data Transfer(2) Performance(3) and Operating Mode(4). Default = group1Only(1).	INTEGER 1 = group1Only 2 = group1And2 3 = group1And3 4 = group1And4 5 = group1And2And3 6 = group1And2And4 7 = group1And3And4 8 = group1And2And3And4	

3 HiPer DSP DS0-level Parameters

This chapter describes the HiPer DSP DS0-level parameters applicable to the HiPer DSP 24-channel and HiPer DSP 30-channel NACs.

Actions/Commands

Software Commands

HiPer DSP DS0 Actions:

- No Command (NF)Disconnect (NF)
- Call Ignore (NF)
- Restore (NF)
- Soft Busy Out (NF)
- Hard Busy Out (F)

TCM Name	ASN.1 MIB	Description	Settings	Command
usrds0CmdMgtStationId	usrds0CmdMgtStationId 1.3.6.1.4.1.429.1.28.3.1.3 optional read-write in rds0.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with usrds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
usrds0CmdFunction	usrds0CmdFunction 1.3.6.1.4.1.429.1.28.3.1.4 optional read-write in rds0.mib	This object contains a value that identifies the command being requested.	INTEGER 1 = noCommand 2 = disconnect 3 = callIgnore 4 = ds0CmdInService 5 = ds0CmdSoftBusyOut 6 = ds0CmdHardBusyOut	
usrds0CmdForce	usrds0CmdForce 1.3.6.1.4.1.429.1.28.3.1.5 optional read-write in rds0.mib	In some cases the DS0 entity may be in a state such that certain commands could adversely affect connections. In such cases a command request with ds0CmdForce not defined or set to noForce will result in a warning. If the operator elects to ignore such warnings ds0CmdForce can be set to force in a re-issued request and the command will be carried out regardless of its potentially hazardous effects.	INTEGER 1 = force 2 = noForce	
usrds0CmdParam	usrds0CmdParam 1.3.6.1.4.1.429.1.28.3.1.6 optional read-write in rds0.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
usrds0CmdResult	usrds0CmdResult 1.3.6.1.4.1.429.1.28.3.1.7 optional read-only in rds0.mib	This object contains the result of the most recently requested command or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported	

TCM Name	ASN.1 MIB	Description	Settings	Command
usrds0CmdMgtStationId	usrds0CmdMgtStationId 1.3.6.1.4.1.429.1.28.3.1.3 optional read-write in rds0.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with usrds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			5 = unAbleToRun 6 = aborted 7 = failed	
usrds0CmdCode	usrds0CmdCode 1.3.6.1.4.1.429.1.28.3.1.8 optional read-only in rds0.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 73 = pendingSoftwareDownload 113 = pendingSDL2	

Performance

DS0 Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0 Timeslot Status	usrds0StatDs0 1.3.6.1.4.1.429.1.28.2.1.3.slot*1000 + channel.subchannel optional read-only in rds0.mib	This object indicates the current status of the specified timeslot. The status values change dynamically with system operation.	INTEGER 1 = other 2 = idle 3 = dialingIn 4 = dialingOut 5 = connectedIn 6 = connectedOut 22 = ds0CallDisc 23 = ds0IsDchan 24 = ds0OutOfServ 25 = ds0InMaint 26 = ds0IsFchan 27 = ds0LclOutOfService	
Channel Connected To DS0	usrds0StatChanConnTo 1.3.6.1.4.1.429.1.28.2.1.4.slot*1000 + channel.subchannel optional read-only in rds0.mib	This object indicates the channel of the device currently connected. Default 255.	INTEGER (0...255)	
DS0 Service State	usrds0StatDs0SrvcState 1.3.6.1.4.1.429.1.28.2.1.5.slot*1000 + channel.subchannel optional read-only in rds0.mib	This is the current service state of a DS0. This object does not apply to Rob Bit T1 operation.	INTEGER 1 = notSupported 2 = inService 3 = localOutOfService 4 = maintenance 5 = remoteOutOfService	
Call ID	usrds0callID 1.3.6.1.4.1.429.1.28.2.1.6.slot*1000 + channel.subchannel optional read-only in rds0.mib	This object contains the associated call_id if any.	INTEGER	
Queued Action for DS0	usrds0ActionQueued 1.3.6.1.4.1.429.1.28.2.1.7.slot*1000 + channel.subchannel optional read-only in rds0.mib	Queued action if any on this DS0. For example a soft busy-out command issued while a call is up would show up here.	INTEGER 1 = notSupported 2 = none 3 = localOutOfService 4 = callIgnore	
Q931 Call Reference Value	usrds0StatCallEvQ931Val 1.3.6.1.4.1.429.1.28.2.1.8.slot*1000 + channel.subchannel optional read-only	This object contains the Q931 call reference value if any active call on DS0. Also used in call event trap.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0 Timeslot Status	usrds0StatDs0 1.3.6.1.4.1.429.1.28.2.1.3.slot*1000 + channel.subchannel optional read-only in rds0.mib	This object indicates the current status of the specified timeslot. The status values change dynamically with system operation.	INTEGER 1 = other 2 = idle 3 = dialingIn 4 = dialingOut 5 = connectedIn 6 = connectedOut 22 = ds0CallDisc 23 = ds0IsDchan 24 = ds0OutOfServ 25 = ds0InMaint 26 = ds0IsFchan 27 = ds0LclOutOfService	
	in rds0.mib			

4 HiPer DSP Modem-level Parameters

This chapter describes the HiPer DSP modem-level parameters applicable to the HiPer DSP 24-channel and HiPer DSP 30-channel NACs.

Actions/Commands

Software Commands

HiPer DSP Modem Actions:

- No Command (NF)
- Software Reset (F)
- Restore from Default (NF)
- Hard Busy /AT Disable (NF)
- Soft Busy /AT Disable (NF)
- Restore Line/AT (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdMgtStationId	mdmCdMgtStationId 1.3.6.1.4.1.429.1.6.12.1.1.2 mandatory read-write in mdm.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
mdmCdReqId	mdmCdReqId 1.3.6.1.4.1.429.1.6.12.1.1.3 mandatory read-write in mdm.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the most recent command or test on this modem. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	
mdmCdFunction	mdmCdFunction 1.3.6.1.4.1.429.1.6.12.1.1.4 mandatory read-write in mdm.mib	This object contains a value that describes the command that is being invoked.	INTEGER 1 = noCommand 2 = softwareReset 3 = storeToNvram 4 = restoreFromDflt 5 = restoreFromNvram 6 = offHook 7 = onHook 8 = sndTone 9 = rcvTone 10 = endTest 11 = rspndrTest105 12 = rspndrTest102 13 = lclAnlgLpbk 14 = lclDgtlLpbk	

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdMgtStationId	mdmCdMgtStationId 1.3.6.1.4.1.429.1.6.12.1.1.2 mandatory read-write in mdm.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			15 = rmtDgtlLpbk 16 = selfTest 17 = testRam 18 = testRom 19 = testNVRAM 20 = v54LclAnlgLpbk 21 = v54RmtDgtlLpbk 22 = idlePhoneLine 23 = loadHwFlowDflt 24 = loadSwFlowDflt 25 = loadMnp10CllulrDflt 26 = loadV42CllulrMblDflt 27 = loadV42CllulrFxdDflt 33 = hardBusyAtDisable 34 = softBusyAtDisable 35 = restoreLineAt	
mdmCdForce	mdmCdForce 1.3.6.1.4.1.429.1.6.12.1.1.5 mandatory read-write in mdm.mib	In certain cases the modem may be in a state where certain commands could adversely affect connectiuons. In such cases a command request with this object not present or set to noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent request to cause the command to be carried out regardless of the potetialy hazzerdous effect.	INTEGER 1 = force 2 = noForce	
mdmCdParam	mdmCdParam 1.3.6.1.4.1.429.1.6.12.1.1.6 mandatory read-write in mdm.mib	This object can contain parameters that are specific to the particualar command being issued.	OCTET STRING SIZE(0...24)	
mdmCdResult	mdmCdResult 1.3.6.1.4.1.429.1.6.12.1.1.7 mandatory read-only in mdm.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
mdmCdCode	mdmCdCode	The value of this object indicates a further description of what	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdMgtStationId	mdmCdMgtStationId 1.3.6.1.4.1.429.1.6.12.1.1.2 mandatory read-write in mdm.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	1.3.6.1.4.1.429.1.6.12.1.1.8 mandatory read-only in mdm.mib	went wrong when a command fails.	1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 13 = notConnected 14 = connected 17 = onLine 20 = unsupportedCommand 22 = deviceDisabled 24 = deviceInTestMode 25 = testFailed 31 = deviceInSecurityMode 51 = noRTS 52 = noDTR 53 = wrongLoopbackSpeed 54 = noLoopbackInARQ 73 = pendingSoftwareDownload 89 = invalidFrequency 90 = noLoopCurrent 91 = noDialTone 92 = noLineDetected	

Performance

Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Last Dialed Phone Number	mdmCsLastNumberDialedOut 1.3.6.1.4.1.429.1.6.9.1.1.3.slot*1000 + channel mandatory read-only in mdm.mib	An ASCII string which represents the last phone number dialed by the modem.	DisplayString SIZE(0...40)	
Last Number Dialed In (DNIS)	mdmCsLastNumberDialedIn 1.3.6.1.4.1.429.1.6.9.1.1.4.slot*1000 + channel	An ASCII string representing the last number dialed in(if known). This is the 950-xxx (DNIS) number.	DisplayString SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib			
Number of Last Caller (ANI)	mdmCsLastCallingPartyNum 1.3.6.1.4.1.429.1.6.9.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	An ASCII string representing the current or last party that called this modem. Only known in ANI applications.	DisplayString SIZE(0...40)	
Type of Last Call	mdmCsSyncAsyncModeUsed 1.3.6.1.4.1.429.1.6.9.1.1.15.slot*1000 + channel mandatory read-only in mdm.mib	Defines whether the current or last call was synchronous or asynchronous.	INTEGER 1 = asynchronous 2 = synchronous	
Mode of Last Call	mdmCsOriginateAnswer 1.3.6.1.4.1.429.1.6.9.1.1.6.slot*1000 + channel mandatory read-only	Defines whether the last or current call was originated or answered.	INTEGER 1 = originateInOriginate 2 = originateInAnswer	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	in mdm.mib		3 = answerInOriginate 4 = answerInAnswer	
Number of Rings before DTR	mdmCsRings 1.3.6.1.4.1.429.1.6.9.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	Defines the quantity of rings detected before the DTE answered with DTR on the last incomming call.	INTEGER	
Reason for Call Termination	mdmCsDisconnectReason 1.3.6.1.4.1.429.1.6.9.1.1.8.slot*1000 + channel mandatory read-only in mdm.mib	Defines the reason that the last call was terminated.	INTEGER 1 = dtrDrop 2 = escapeSequence 3 = athCommand 4 = carrierLoss 5 = inactivityTimout 6 = mnpIncompatible	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			7 = undefined 8 = remotePassword 9 = linkPassword 10 = retransmitLimit 11 = linkDisconnectMsgReceived 12 = noLoopCurrent 13 = invalidSpeed 14 = unableToRetrain 15 = managementCommand 16 = noDialTone 17 = keyAbort	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			18 = lineBusy 19 = noAnswer 20 = voice 21 = noAnswerTone 22 = noCarrier 23 = undetermined 24 = v42SabmeTimeout 25 = v42BreakTimeout 26 = v42DisconnectCmd 27 = v42IdExchangeFail 28 = v42BadSetup 29 = v42InvalidCodeWord	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			30 = v42StringToLong 31 = v42InvalidCommand 32 = none 33 = v32Cleardown 34 = dialSecurity 35 = remoteAccessDenied 36 = loopLoss 37 = ds0Teardown 38 = promptNotEnabled 39 = noPromptingInSync 40 = nonArqMode 41 = modeIncompatible	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			42 = noPromptInNonARQ 43 = dialBackLink 44 = linkAbort 45 = autopassFailed 46 = pbGenericError 47 = pbLinkErrTxPreAck 48 = pbLinkErrTxTardyACK 49 = pbTransmitBusTimeout 50 = pbReceiveBusTimeout 51 = pbLinkErrTxTAL 52 = pbLinkErrRxTAL 53 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			pbTransmitMasterTimeout 54 = pbClockMissing 55 = pbReceivedLsWhileLinkUp 56 = pbOutOfSequenceFrame 57 = pbBadFrame 58 = pbAckWaitTimeout 59 = pbReceivedAckSequenceErr 60 = pbReceiveOvrflwRNRFailed 61 = pbReceiveMsgBufOvrflw	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			62 = rcvdGatewayDiscCmd 63 = tokenPassingTimeout 64 = dspInterruptTimeout 65 = mnpProtocolViolation 66 = class2FaxHangupCmd 67 = hstSpeedSwitchTimeout 68 = tooManyUnacked 69 = timerExpired 70 = t1Glare 71 = priDialoutRqTimeout 72 = abortAnlgDstOvrlsdn 73 = normalUserCallClear	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			74 = normalUnspecified 75 = bearerIncompatibility 76 = protocolErrorEvent 77 = abnormalDisconnect 78 = invalidCauseValue 79 = resourceUnavailable 80 = remotHungUpDuringTraining 81 = trainingTimeout 82 = incomingModemNotAvailable 83 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			incomingInvalidBearerCap 84 = incomingInvalidChannelID 85 = incomingInvalidProgInd 86 = incomingInvalidCallingPty 87 = incomingInvalidCalledPty 88 = incomingCallBlock 89 = incomingLoopStNoRingOff 90 = outgoingTelcoDisconnect 91 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			outgoingEMWinkTimeout 92 = outgoingEMWinkTooShort 93 = outgoingNoChannelAvail 94 = dspReboot 95 = noDSPRespToKA 96 = noDSPRespToDisc 97 = dspTailPtrInvalid 98 = dspHeadPtrInvalid 99 = dataProcessingGenericErr 100 = timeslotUnavailable 101 = gmtTimeNotSet	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			102 = chasAwarenessNotAvailable 103 = r2InvalidChannelDirection 104 = r2ChannelBlockedByNetwork 105 = r2Glare 106 = r2OutgoingCallBlocked 107 = r2DNISNotFound 108 = r2SigCauseCongestion 109 = r2SigCauseUnallocNumber	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			110 = r2DSPFatalError 111 = callBlacklisted	
Reason for Call Failure	mdmCsConnectFailReason 1.3.6.1.4.1.429.1.6.9.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	Defines the reason for failure if indeed the last call attempt failed.	INTEGER 1 = dtrDrop 2 = escapeSequence 3 = athCommand 4 = carrierLoss 5 = inactivityTimout 6 = mnpIncompatible 7 = undefined 8 = remotePassword 9 = linkPassword	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			10 = retransmitLimit 11 = linkDisconnectMsgReceived 12 = noLoopCurrent 13 = invalidSpeed 14 = unableToRetrain 15 = managementCommand 16 = noDialTone 17 = keyAbort 18 = lineBusy 19 = noAnswer 20 = voice	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			21 = noAnswerTone 22 = noCarrier 23 = undetermined 24 = v42SabmeTimeout 25 = v42BreakTimeout 26 = v42DisconnectCmd 27 = v42IdExchangeFail 28 = v42BadSetup 29 = v42InvalidCodeWord 30 = v42StringToLong 31 = v42InvalidCommand 32 = none	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			33 = v32Cleardown 34 = dialSecurity 35 = remoteAccessDenied 36 = loopLoss 37 = ds0Teardown 38 = promptNotEnabled 39 = noPromptingInSync 40 = nonArqMode 41 = modeIncompatible 42 = noPromptInNonARQ 43 = dialBackLink 44 = linkAbort	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			45 = autopassFailed 46 = pbGenericError 47 = pbLinkErrTxPreAck 48 = pbLinkErrTxTardyACK 49 = pbTransmitBusTimeout 50 = pbReceiveBusTimeout 51 = pbLinkErrTxTAL 52 = pbLinkErrRxTAL 53 = pbTransmitMasterTimeout 54 = pbClockMissing 55 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			pbReceivedLsWhileLinkUp 56 = pbOutOfSequenceFrame 57 = pbBadFrame 58 = pbAckWaitTimeout 59 = pbReceivedAckSequenceErr 60 = pbReceiveOvrflwRNRFailed 61 = pbReceiveMsgBufOvrflw 62 = rcvdGatewayDiscCmd 63 = tokenPassingTimeout 64 = dspInterruptTimeout	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			65 = mnpProtocolViolation 66 = class2FaxHangupCmd 67 = hstSpeedSwitchTimeout 68 = tooManyUnacked 69 = timerExpired 70 = t1Glare 71 = priDialoutRqTimeout 72 = abortAnlgDstOvrlsdn 73 = normalUserCallClear 74 = normalUnspecified 75 = bearerIncompatibility 76 = protocolErrorEvent	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			77 = abnormalDisconnect 78 = invalidCauseValue 79 = resourceUnavailable 80 = remotHungUpDuringTraining 81 = trainingTimeout 82 = incomingModemNotAvailable 83 = incomingInvalidBearerCap 84 = incomingInvalidChannelID	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			85 = incomingInvalidProgInd 86 = incomingInvalidCallingPty 87 = incomingInvalidCalledPty 88 = incomingCallBlock 89 = incomingLoopStNoRingOff 90 = outgoingTelcoDisconnect 91 = outgoingEMWinkTimeout 92 = outgoingEMWinkTooShort	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			93 = outgoingNoChannelAvail 94 = dspReboot 95 = noDSPRespToKA 96 = noDSPRespToDisc 97 = dspTailPtrInvalid 98 = dspHeadPtrInvalid 99 = dataProcessingGenericErr 100 = timeslotUnavailable 101 = gmtTimeNotSet 102 = chasAwarenessNotAvailable 103 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			r2InvalidChannelDirection 104 = r2ChannelBlockedByNetwork 105 = r2Glare 106 = r2OutgoingCallBlocked 107 = r2DNISNotFound 108 = r2SigCauseCongestion 109 = r2SigCauseUnallocNumber 110 = r2DSPFatalError 111 = callBlacklisted	
Transmit speed the	mdmCsInitialTxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.10.slot*1000 + channel	The transmit speed at which the modem initialy connected on it's	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
modem connected	mandatory read-only in mdm.mib	last or current call.	1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Receive speed the modem connected	mdmCsInitialRxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.11.slot*1000 + channel mandatory read-only in mdm.mib	The receive speed at which the modem initialy connected on it's previous or current call.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Current transmit link rate	mdmCsFinalTxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.12.slot*1000 + channel	The current transmit link rate of a connection or the last link rate	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	of the last connection.	1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Current receive link rate	mdmCsFinalRxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.13.slot*1000 + channel mandatory read-only in mdm.mib	The current receive link rate of a connection or the last link rate of the last connection.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Modulation Type Used	mdmCsModulationType 1.3.6.1.4.1.429.1.6.9.1.1.14.slot*1000 + channel	Specifies the current/final modulation type of the current or last	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	call. The value can be different from the object mdmCslnitModulationType only for X2/V.90 calls.	1 = usRoboticsHST 2 = ccittV32 3 = ccittV22bis 4 = bell103 5 = ccittV21 6 = bell212 7 = ccittV32bis 8 = ccittV23 9 = noConnection 10 = bell208b 11 = v21FaxClass1 12 = v27FaxClass1	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			13 = v29FaxClass1 14 = v17FaxClass1 15 = v21FaxClass2 16 = v27FaxClass2 17 = v29FaxClass2 18 = v17FaxClass2 19 = v32Terbo 20 = v34 21 = vFC 22 = v34plus 23 = x2server 24 = v110	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			25 = v120 26 = x75 27 = asyncSyncPPP 28 = clearChannel 29 = x2client 30 = x2symmetric 31 = piafs 32 = x2version2 33 = v90Analogue 34 = v90Digital 35 = v90AllDigital	
Error Control Type Used	mdmCsErrorControlType 1.3.6.1.4.1.429.1.6.9.1.1.16.slot*1000 + channel	Specifies the Error control settings in the current or last call. (short	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	form)	1 = none 2 = mnpLevel3 3 = mnpLevel4 4 = ccittV42 5 = usRoboticsHST 6 = synchronousNone 7 = mnpLevel2 8 = mnp10 9 = v42Etc 10 = mnp10Ec 11 = lapmEc 12 = v42Etc2	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			13 = ccittV42SREJ 14 = piafs 15 = v120 16 = x75	
Data Compression Used	mdmCsCompressionType 1.3.6.1.4.1.429.1.6.9.1.1.17.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the data compression used in the current or last call. (short format)	INTEGER 1 = none 2 = ccittV42bis 3 = mnpLevel5	
Equalization Type Used	mdmCsEqualizationType 1.3.6.1.4.1.429.1.6.9.1.1.18.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the equalization used in the current or last call.	INTEGER 1 = long 2 = short	
Line Fallback Negotiated	mdmCsFallbackEnabled	Specifies whether line speed fallbacks were negotiated on the	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	1.3.6.1.4.1.429.1.6.9.1.1.19.slot*1000 + channel mandatory read-only in mdm.mib	current or previous call.	1 = disable 2 = enable	
Numbers of Characters Sent	mdmCsCharsSent 1.3.6.1.4.1.429.1.6.9.1.1.20.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters sent on the current or previous call.	INTEGER	
Number of Characters Received	mdmCsCharsReceived 1.3.6.1.4.1.429.1.6.9.1.1.21.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters received in the current or previous call.	INTEGER	
Number of Octets Sent	mdmCsOctetsSent 1.3.6.1.4.1.429.1.6.9.1.1.22.slot*1000 + channel mandatory read-only	Specifies the number of octets sent in the current or previous call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	in mdm.mib			
Number of Octets Received	mdmCsOctetsReceived 1.3.6.1.4.1.429.1.6.9.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of octets received in the current or previous call.	INTEGER	
Number of Blocks Sent	mdmCsBlocksSent 1.3.6.1.4.1.429.1.6.9.1.1.24.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of blocks sent in the current or previous call.	INTEGER	
Number of Received Blocks	mdmCsBlocksReceived 1.3.6.1.4.1.429.1.6.9.1.1.25.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of blocks received in the current or previous call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Number of Resent Blocks	mdmCsBlocksResent 1.3.6.1.4.1.429.1.6.9.1.1.26.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of blocks the modem has had to retransmit due to block errors or timeouts in the current or previous call.	INTEGER	
Number of Retrains Requested	mdmCsRetrainsRequested 1.3.6.1.4.1.429.1.6.9.1.1.27.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of retrains requested in the current or previous call.	INTEGER	
Number of Retrains Granted	mdmCsRetrainsGranted 1.3.6.1.4.1.429.1.6.9.1.1.28.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of retrains granted in the current or previous call.	INTEGER	
HST Speed Reversals	mdmCsLineReversalQty 1.3.6.1.4.1.429.1.6.9.1.1.29.slot*1000 + channel	Specifies the number of times the HST high and low speeds	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	directions have been reversed in the current or previous call.		
Number of Characters Lost	mdmCsCharsLost 1.3.6.1.4.1.429.1.6.9.1.1.30.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters lost on the current or previous call. Not meaningful on synchronous calls.	INTEGER	
HST Back Channel Speed	mdmCsBackChannelRate 1.3.6.1.4.1.429.1.6.9.1.1.31.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the negotiated HST back channel speed on the current or previous call.	INTEGER 1 = bps450 2 = bps300 3 = none	
Link Block Errors	mdmCsBlerQty 1.3.6.1.4.1.429.1.6.9.1.1.32.slot*1000 + channel mandatory read-only	Specifies the number of block errors received on the link in the current or last call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	in mdm.mib			
Number of Link Protocol Timeouts	mdmCsLinkTimeoutQty 1.3.6.1.4.1.429.1.6.9.1.1.33.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of link protocol timeouts on the current or previous call.	INTEGER	
Number of Link Speed Fallbacks	mdmCsFallbackQty 1.3.6.1.4.1.429.1.6.9.1.1.34.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the quantity of link speed fallbacks that occured on the current or previous call.	INTEGER	
Number of Link Speed Upshifts	mdmCsUpshiftQty 1.3.6.1.4.1.429.1.6.9.1.1.35.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of link speed upshifts have occured in the current or previous call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Number of NAKS Sent	mdmCsLinkNakQty 1.3.6.1.4.1.429.1.6.9.1.1.36.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the quantity of negative acknowledgements sent in response to errored blocks received on the link in the current or previous call.	INTEGER	
Gain Recalculation Count	mdmCsGainHitCount 1.3.6.1.4.1.429.1.6.9.1.1.37.slot*1000 + channel mandatory read-only in mdm.mib	The modem calculates the gain that is required to adjust the received signal to the ideal level. This defines the number of times that the gain was recalculated durring the current or previous call.	INTEGER	
State of DTEs EIA signals	mdmDiEiaLineStatus 1.3.6.1.4.1.429.1.6.5.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Provides a mechanism for the console to determine the current state of the DTE's EIA signals.	INTEGER (0...255)	
Last Dialed Security User	mdmCsSecurityUserName 1.3.6.1.4.1.429.1.6.9.1.1.38.slot*1000 + channel	The last dial security user that initiated the Call. This object is not	DisplayString SIZE(0...8)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	saved to NVRAM.		
Call Duration	mdmCsCallDuration 1.3.6.1.4.1.429.1.6.9.1.1.39.slot*1000 + channel mandatory read-only in mdm.mib	This is the length of the call in hh:mm:ss format. The maximum value reported will be 9999:59:59.	DisplayString SIZE(0...10)	
B Channel Used for the Call	mdmCsBChannelUsed 1.3.6.1.4.1.429.1.6.9.1.1.44.slot*1000 + channel mandatory read-only in mdm.mib	B Channel Used	INTEGER	
TDM Time Slot Used for the Call	mdmCsTDMTimeSlot 1.3.6.1.4.1.429.1.6.9.1.1.42.slot*1000 + channel mandatory read-only	Time Division Multipexing Time Slot	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	in mdm.mib			
Call Reference Number	mdmCsCallRefNum 1.3.6.1.4.1.429.1.6.9.1.1.40.slot*1000 + channel mandatory read-only in mdm.mib	Call Reference Number	INTEGER	
Primary Card Slot	mdmCsPriCardSlot 1.3.6.1.4.1.429.1.6.9.1.1.41.slot*1000 + channel mandatory read-only in mdm.mib	Primary Card Slot	INTEGER	
Primary Card Span Line	mdmCsPriCardSpanLine 1.3.6.1.4.1.429.1.6.9.1.1.43.slot*1000 + channel mandatory read-only in mdm.mib	Primary Card Span Line	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Timing Offset in parts per million	mdmCsQTimingOffset 1.3.6.1.4.1.429.1.6.9.1.1.77.slot*1000 + channel mandatory read-only in mdm.mib	Timing Offset in parts per million.	INTEGER (0...65535)	
Carrier Offset in Hertz.	mdmCsQCarrierOffset 1.3.6.1.4.1.429.1.6.9.1.1.78.slot*1000 + channel mandatory read-only in mdm.mib	Carrier Offset in Hertz.	INTEGER (0...65535)	
PCM Coding	mdmCsQCoding 1.3.6.1.4.1.429.1.6.9.1.1.80.slot*1000 + channel mandatory read-only in mdm.mib	PCM Coding mu/A law Default=mulaw.	INTEGER 1 = mulaw 2 = alaw	
Training Information	mdmCsTrainingInfo 1.3.6.1.4.1.429.1.6.9.1.1.81.slot*1000 + channel	Training Information	OCTET STRING SIZE(0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib			
x2 Signature	mdmCsX2signature 1.3.6.1.4.1.429.1.6.9.1.1.82.slot*1000 + channel mandatory read-only in mdm.mib	X2 diagnostics information from modem in hex.	OCTET STRING SIZE(0...255)	
x2 Status	mdmCsX2Status 1.3.6.1.4.1.429.1.6.9.1.1.83.slot*1000 + channel mandatory read-only in mdm.mib	x2 status of modem.	INTEGER 1 = x2v90NotOperational 2 = x2Operational 3 = v8DisabledLocal 4 = x2DisabledLocal 5 = baud3200DisabledLocal 6 = speedLimitedLocal	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			7 = v8notDetectedFromRemote 8 = x2notDetectedFromRemote 9 = incompatibleX2Versions 10 = incompatibleX2Modes 11 = baud3200DisabledRemote 12 = excessiveHFAttenuation 13 = channelNoSymbolRate 14 = exitBeforeX2Connect 15 = v90Operational	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			16 = x2v90Operational 17 = v90DisabledLocal 18 = x2v90DisabledLocal 19 = v90SymRatesDisabledLcl 20 = v90NotDetectedFrmRemote 21 = x2v90NotDetectedFrmRmt 22 = incompatibleV90Versions 23 = incompatibleV90Modes 24 = v90IncompactibleSymRate	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Initial Modulation Type	mdmCslnitModulationType 1.3.6.1.4.1.429.1.6.9.1.1.88.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the modulation type of the current or last call. The value can be different from the object mdmCsModulationType only for X2/V.90 calls.	INTEGER 1 = usRoboticsHST 2 = ccittV32 3 = ccittV22bis 4 = bell103 5 = ccittV21 6 = bell212 7 = ccittV32bis 8 = ccittV23 9 = noConnection 10 = bell208b 11 = v21FaxClass1	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			12 = v27FaxClass1 13 = v29FaxClass1 14 = v17FaxClass1 15 = v21FaxClass2 16 = v27FaxClass2 17 = v29FaxClass2 18 = v17FaxClass2 19 = v32Terbo 20 = v34 21 = vFC 22 = v34plus 23 = x2server	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			24 = v110 25 = v120 26 = x75 27 = asyncSyncPPP 28 = clearChannel 29 = x2client 30 = x2symmetric 31 = piafs 32 = x2version2 33 = v90Analogue 34 = v90Digital 35 = v90AllDigital	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Initial Modulation Type	mdmCslnitModulationType 1.3.6.1.4.1.429.1.6.9.1.1.88.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the modulation type of the current or last call. The value can be different from the object mdmCsModulationType only for X2/V.90 calls.	INTEGER 1 = usRoboticsHST 2 = ccittV32 3 = ccittV22bis 4 = bell103 5 = ccittV21 6 = bell212 7 = ccittV32bis 8 = ccittV23 9 = noConnection 10 = bell208b 11 = v21FaxClass1	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			12 = v27FaxClass1 13 = v29FaxClass1 14 = v17FaxClass1 15 = v21FaxClass2 16 = v27FaxClass2 17 = v29FaxClass2 18 = v17FaxClass2 19 = v32Terbo 20 = v34 21 = vFC 22 = v34plus 23 = x2server	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			24 = v110 25 = v120 26 = x75 27 = asyncSyncPPP 28 = clearChannel 29 = x2client 30 = x2symmetric 31 = piafs 32 = x2version2 33 = v90Analogue 34 = v90Digital 35 = v90AllDigital	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Collected DTMF Digits	mdmCsCollectedDTMFDigits 1.3.6.1.4.1.429.1.6.9.1.1.93.slot*1000 + channel mandatory read-only in mdm.mib	This object is an ASCII array of the DTMF digits collected from the client.	OCTET STRING SIZE(0...64)	

Modem Events

TCM Name	ASN.1 MIB	Description	Settings	Command
Watchdog Timer Resets	mdmEvWatchdogTimouts 1.3.6.1.4.1.429.1.6.10.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Quantity of times that a watchdog timeout has been detected for this modem.	Counter	
DTE Idle Timeouts	mdmEvDteIdleTimouts 1.3.6.1.4.1.429.1.6.10.1.1.3.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has had no DTE activity for the time specified by mdmEtDteIdleThresh.	Counter	
Incoming Connections Established	mdmEvInConnectEstabs 1.3.6.1.4.1.429.1.6.10.1.1.4.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has reported a incomming connection established event.	Counter	
Outgoing Connections Established	mdmEvOutConnectEstabs 1.3.6.1.4.1.429.1.6.10.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has reported an outgoing connection established event.	Counter	
Incoming Connections Terminated	mdmEvInConnectTerms 1.3.6.1.4.1.429.1.6.10.1.1.6.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported an incomming connection terminated event.	Counter	
Outgoing Connections Terminated	mdmEvOutConnectTerms 1.3.6.1.4.1.429.1.6.10.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported an outgoing connection termination event.	Counter	
Connect Attempt Failure	mdmEvConnectAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.8.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a connect attempt failure event. This does not include those connect attempt failures that are reported due to no dial tone and no loop current.	Counter	
Connect Timeout	mdmEvConnectTimouts 1.3.6.1.4.1.429.1.6.10.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the NMC has detected a call that has has a duration in excess of the threshold defined in mdmEtConnectThresh.	Counter	
Management Bus Failure	mdmEvMgmtBusFailures 1.3.6.1.4.1.429.1.6.10.1.1.10.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the NMC has been unable to get a response from the modem to requests on the management bus.	Counter	
Resets by DTE	mdmEvResetByDtes 1.3.6.1.4.1.429.1.6.10.1.1.11.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has been reset by the DTE via the ATZ command or by DTR drop.	Counter	
DTR Falses	mdmEvDtrFalses 1.3.6.1.4.1.429.1.6.10.1.1.12.slot*1000 + channel	The number of times the modem has reported DTR False events.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Watchdog Timer Resets	mdmEvWatchdogTimouts 1.3.6.1.4.1.429.1.6.10.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Quantity of times that a watchdog timeout has been detected for this modem.	Counter	
	mandatory read-only in mdm.mib	The DTR false event timeout is based on mdmEtDtrFalseThresh.		
DTR Trues	mdmEvDtrTrues 1.3.6.1.4.1.429.1.6.10.1.1.13.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported DTR True events. The modem reports these events to the NMC based on the value of mdmEtDtrTrueTresh.	Counter	
Number of No tones	mdmEvNoTones 1.3.6.1.4.1.429.1.6.10.1.1.14.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported no tones.	Counter	
Number of No loops	mdmEvNoLoops 1.3.6.1.4.1.429.1.6.10.1.1.15.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported no loop current events.	Counter	
Number of BLERs	mdmEvBlers 1.3.6.1.4.1.429.1.6.10.1.1.16.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported BLERs.	Counter	
Number of fall backs	mdmEvFallBacks 1.3.6.1.4.1.429.1.6.10.1.1.17.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported fall backs.	Counter	
Incoming Calls Total Connect Time (sec.)	mdmEvInConnectTime 1.3.6.1.4.1.429.1.6.10.1.1.18.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for inbound call connect time.	Counter	
Incoming Calls Total Bytes Received	mdmEvInTotalBytesRx 1.3.6.1.4.1.429.1.6.10.1.1.19.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes received on inbound calls.	Counter	
Incoming Calls Total Bytes Transmitted	mdmEvInTotalBytesTx 1.3.6.1.4.1.429.1.6.10.1.1.20.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes transmitted on inbound calls.	Counter	
Outgoing Calls Total Connect Time (sec.)	mdmEvOutConnectTime 1.3.6.1.4.1.429.1.6.10.1.1.21.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for outbound call connect time.	Counter	
Outgoing Calls Total Bytes Received	mdmEvOutTotalBytesRx 1.3.6.1.4.1.429.1.6.10.1.1.22.slot*1000 + channel mandatory read-only	Cumulative counter for number of bytes received on outbound calls.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Watchdog Timer Resets	mdmEvWatchdogTimouts 1.3.6.1.4.1.429.1.6.10.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Quantity of times that a watchdog timeout has been detected for this modem.	Counter	
	in mdm.mib			
Outgoing Calls Total Bytes Transmitted	mdmEvOutTotalBytesTx 1.3.6.1.4.1.429.1.6.10.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes transmitted on outbound calls.	Counter	
Incoming Connections Failed	mdmEvInConnAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.24.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a inbound connect attempt failure event. This does not include those connect attempt failues that are reported due to no dial time and no loop current.	Counter	
Outgoing Connections Failed	mdmEvOutConnAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.25.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a outbound connect attempt failure event. This does not include those connect attempt failures that are reported due to no dial tone and no loop current.	Counter	

Modem Packet Bus Events

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Clock Status	mdmStsPbClock 1.3.6.1.4.1.429.1.6.18.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	This object defines the current status of the packet bus clock.	INTEGER 1 = notSupported 2 = clockMaster 3 = clockSlave 4 = noClockPresent	

Analog Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Transmit carrier frequency (Hz)	mdmCsQCarrFreqTx 1.3.6.1.4.1.429.1.6.9.1.1.45.slot*1000 + channel mandatory read-only in mdm.mib	Transmit carrier value (Hz).	INTEGER (0...65535)	
Receive carrier frequency (Hz)	mdmCsQCarrFreqRx 1.3.6.1.4.1.429.1.6.9.1.1.46.slot*1000 + channel mandatory read-only in mdm.mib	Receive carrier value (Hz).	INTEGER (0...65535)	
Transmit symbol rate	mdmCsQSymRateTx 1.3.6.1.4.1.429.1.6.9.1.1.47.slot*1000 + channel mandatory read-only in mdm.mib	Transmit symbol rate.	INTEGER (0...65535)	
Receive symbol rate	mdmCsQSymRateRx 1.3.6.1.4.1.429.1.6.9.1.1.48.slot*1000 + channel mandatory read-only in mdm.mib	Receive symbol rate.	INTEGER (0...65535)	
Transmit Trellis rate	mdmCsQTrellisTx 1.3.6.1.4.1.429.1.6.9.1.1.49.slot*1000 + channel mandatory read-only in mdm.mib	Transmit Trellis coding.	INTEGER 1 = trellis8S-2D 2 = trellis16S-4D 3 = trellis32S-2D 4 = trellis64S-4D	
Receive Trellis rate	mdmCsQTrellisRx 1.3.6.1.4.1.429.1.6.9.1.1.50.slot*1000 + channel mandatory read-only in mdm.mib	Receive Trellis coding.	INTEGER 1 = trellis8S-2D 2 = trellis16S-4D 3 = trellis32S-2D 4 = trellis64S-4D	
Transmit non-linear coding status	mdmCsQNonLinCdTx 1.3.6.1.4.1.429.1.6.9.1.1.51.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit non-linear coding.	INTEGER 1 = off 2 = on	
Receive non-linear coding status	mdmCsQNonLinCdRx 1.3.6.1.4.1.429.1.6.9.1.1.52.slot*1000 + channel mandatory read-only in mdm.mib	Status of receive non-linear coding.	INTEGER 1 = off 2 = on	
Transmit Precoding status	mdmCsQPrecodingTx 1.3.6.1.4.1.429.1.6.9.1.1.53.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit precoding.	INTEGER 1 = off 2 = on	
Receive Precoding status	mdmCsQPrecodingRx 1.3.6.1.4.1.429.1.6.9.1.1.54.slot*1000 + channel mandatory read-only	Status of receive precoding.	INTEGER 1 = off	

TCM Name	ASN.1 MIB	Description	Settings	Command
Transmit carrier frequency (Hz)	mdmCsQCarrFreqTx 1.3.6.1.4.1.429.1.6.9.1.1.45.slot*1000 + channel mandatory read-only in mdm.mib	Transmit carrier value (Hz).	INTEGER (0...65535)	
	in mdm.mib		2 = on	
Receive shaping status	mdmCsQShapingTx 1.3.6.1.4.1.429.1.6.9.1.1.55.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit shaping.	INTEGER 1 = off 2 = on	
Transmit shaping status	mdmCsQShapingRx 1.3.6.1.4.1.429.1.6.9.1.1.56.slot*1000 + channel mandatory read-only in mdm.mib	Status of receive shaping.	INTEGER 1 = off 2 = on	
Amount of pre-emphasis on TX	mdmCsQPreemphTx 1.3.6.1.4.1.429.1.6.9.1.1.57.slot*1000 + channel mandatory read-only in mdm.mib	Transmit pre-emphasis (-dBm).	INTEGER (0...65535)	
Amount of pre-emphasis on RX	mdmCsQPreemphRx 1.3.6.1.4.1.429.1.6.9.1.1.58.slot*1000 + channel mandatory read-only in mdm.mib	Receive pre-emphasis (-dBm).	INTEGER (0...65535)	
Receive Level	mdmCsQRxLevel 1.3.6.1.4.1.429.1.6.9.1.1.59.slot*1000 + channel mandatory read-only in mdm.mib	Receive level (X 10) (-dBm).	INTEGER	
Transmit Level	mdmCsQTxLevel 1.3.6.1.4.1.429.1.6.9.1.1.60.slot*1000 + channel mandatory read-only in mdm.mib	Transmit level (X 10) (-dBm).	INTEGER	
Signal to Noise ratio	mdmCsQSNR 1.3.6.1.4.1.429.1.6.9.1.1.61.slot*1000 + channel mandatory read-only in mdm.mib	Signal to noise (x 10) (dB).	INTEGER	
Near echo level	mdmCsQNearEcho 1.3.6.1.4.1.429.1.6.9.1.1.62.slot*1000 + channel mandatory read-only in mdm.mib	Near echo (x 10) (dB).	INTEGER	
Far echo level	mdmCsQFarEcho 1.3.6.1.4.1.429.1.6.9.1.1.63.slot*1000 + channel mandatory read-only in mdm.mib	Far echo (x 10) (dB).	INTEGER	
Round trip delay time	mdmCsQRndTripDly 1.3.6.1.4.1.429.1.6.9.1.1.64.slot*1000 + channel mandatory read-only in mdm.mib	Round trip delay (msec).	INTEGER (0...65535)	

DTE's EIA Signals

TCM Name	ASN.1 MIB	Description	Settings	Command
Ring Indicate	mdmDiEiaLineStatus 1.3.6.1.4.1.429.1.6.5.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Provides a mechanism for the console to determine the current state of the DTE's EIA signals. **Bit Mask:** 0x20	INTEGER (0...255) 0 = Low 1 = High	

Frequency and Probe Level

TCM Name	ASN.1 MIB	Description	Settings	Command
Frequency 900 (x 0.1 db)	mdmCsLevelProbeData 1.3.6.1.4.1.429.1.6.9.1.1.76.slot*1000 + channel mandatory read-only in mdm.mib	Probe level. **Index:** 5	OCTET STRING SIZE(0...30)	

DTE Interface Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
DTE Interface Source	mdmDiSrc 1.3.6.1.4.1.429.1.6.5.1.1.33.slot*1000 + channel optional read-write in mdm.mib	Specifies either NIC or Packet Bus as the source for the DTE interface.	INTEGER 1 = nic 2 = packetBus	

Modem Configuration Status

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Configuration	mdmMaChangeIndicator 1.3.6.1.4.1.429.1.6.19.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	A value of changed indicates that the card level configuration for a specific channel on a HDM is not the one in use on that channel.	INTEGER 1 = notSupported 2 = cfgChanged 3 = cfgUnchanged	

Programmed Settings

Modem Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
Serial Number	mdmIDHardwareSerNum 1.3.6.1.4.1.429.1.6.1.1.1.4.slot*1000 + channel mandatory read-only in mdm.mib	The modem's hardware serial number as stored in EEPROM.	DisplayString SIZE(0...16)	
Hardware Revision	mdmIDHardwareRev 1.3.6.1.4.1.429.1.6.1.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	The hardware revision of the modem as stored in the modem's EEPROM.	DisplayString SIZE(0...11)	
Supervisor Software Revision	mdmIDSupervisorSwRev 1.3.6.1.4.1.429.1.6.1.1.1.6.slot*1000 + channel mandatory read-only in mdm.mib	The revision of the software being executed by the modem's supervisor processor.	DisplayString SIZE(0...11)	
Data Pump Software Revision	mdmIDDataPumpSwRev 1.3.6.1.4.1.429.1.6.1.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	The revision of software being executed by the modem's data pump processor.	DisplayString SIZE(0...11)	
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
			5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Country of Operation	mdmIDCountry 1.3.6.1.4.1.429.1.6.1.1.1.3.slot*1000 + channel	This object identifies the country or countries that this modem is	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
	mandatory read-only in mdm.mib	designed for use in.	1 = unknown 2 = northamerica 3 = japan 4 = finland 5 = sweden 6 = uk 7 = norway 8 = switzerland 9 = netherlands 10 = southAfrica 11 = italy 12 = newZealand 13 = czech 14 = belgium 15 = denmark 16 = australia 17 = france 18 = germany 19 = ccitt 20 = austria 21 = ireland 22 = spain 23 = portugal 24 = malaysia	
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
	in chs.mib			
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	
Supervisor Software Date	mdmIDSupervisorDate 1.3.6.1.4.1.429.1.6.1.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	The supervisor build date.	DisplayString SIZE(0...8)	

Line Interface Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Pause Delay (sec) (S8)	mdmLiDialPause 1.3.6.1.4.1.429.1.6.2.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in seconds for the pause(') option in the dial command and the pause between command re-executions(> and A>) Default = 2. Equates to the modem's S8 register.	INTEGER (0...255)	S8
Carrier Detect Delay (* .1 sec) (S9)	mdmLiCarrierRecDelay 1.3.6.1.4.1.429.1.6.2.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10ths of a second that the remote modem's carrier signal must be present before recognition. Ignored at speeds above 2400. Equates to the modem's S9 register. Default=6.	INTEGER (0...255)	S9
Carrier Loss Detect Delay (* .1 sec) (S10)	mdmLiCarrierLoss 1.3.6.1.4.1.429.1.6.2.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10ths of a second the modem waits after loss of carrier before hanging up. This allows the modem to distinguish between a momentary lapse in line quality and a true disconnect. When equal to 255 the modem will remain off hook until DTR drops or an ATH command is recieved. Equates to the modem's S10 register. Default=7.	INTEGER (0...255)	S10
Tone Dial Spacing (ms) (S11)	mdmLiToneDialTiming 1.3.6.1.4.1.429.1.6.2.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Duration and spacing in milliseconds of dialed Touch Tones. Equates to the modem's S10 register. Default=70.	INTEGER (0...255)	S11
Guard Tone Frequency (&G)	mdmLiGuardTone 1.3.6.1.4.1.429.1.6.2.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	This object is required for modems answering calls that originate from sites outside of North America. The modem's must be operating in either 1200 or 2400 bps and be using the V.32 answer sequence. This object defines what guard tone is used for answering calls. This object equates to the &G register in US Robotics modems. Default=none.	INTEGER 1 = none 2 = european550 3 = uk1800	&G
2100 Hz Answer Tone (V.42) (S27.3)	mdmLiAnswerTone 1.3.6.1.4.1.429.1.6.2.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Disables the 2100 Hz Answer tone allowing V.42 modems to connect more quickly and/or eliminating problems with older 2400-bps modems that do not recognise this tone. Equates to the modem's S27.3 register. Default=Enabled.	INTEGER 1 = enable 2 = disable	S27.3
Transmit Level (-db)	mdmLiTransmitLevel 1.3.6.1.4.1.429.1.6.2.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the signal level of the modem transmitter in negative db.	INTEGER (0...20)	

Data Compression Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Data Compression Mode (&K)	mdmDcDataCompression 1.3.6.1.4.1.429.1.6.3.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines when and how data compression is enabled. Corresponds to the &K register in USR modems.	INTEGER 1 = none 2 = autoEnable 3 = enable 4 = mnpWoCompression	&K

DTE Interface Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Carriage Return Character (S3)	mdmDiCarriageRetChar 1.3.6.1.4.1.429.1.6.5.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the carriage return character. Default=13.	INTEGER (0...255)	S3
Line Feed Character (S4)	mdmDiLineFeedChar 1.3.6.1.4.1.429.1.6.5.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the line feed character. Default=10.	INTEGER (0...255)	S4
Backspace Character (S5)	mdmDiBackspaceChar 1.3.6.1.4.1.429.1.6.5.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the backspace character. Default=8.	INTEGER (0...255)	S5
Echo DTE Data (E|Dip 4)	mdmDiCmdLocalEchoEna 1.3.6.1.4.1.429.1.6.5.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the characters transmitted by the DTE are echoed back when in command mode. Default=disabled.	INTEGER 1 = disable 2 = enable	E|Dip 4
DTE NVRAM Lock (R&W)	mdmDiDteNvramLock 1.3.6.1.4.1.429.1.6.5.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	When locked prohibits the DTE user from changing any of the NVRAM settings in the modem. Default=unlocked.	INTEGER 1 = disable 2 = enable	

TCM Name	ASN.1 MIB	Description	Settings	Command
Link Rate Speed Select (&N)	mdmScLinkRateSelect 1.3.6.1.4.1.429.1.6.6.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the link will run at a fixed or variable data rate. Default=variable.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666	&N

39 = bps36000
40 = bps38666
41 = bps40000
42 = bps58666
43 = bps60000
44 = bps61333
45 = bps62666

Non-ARQ Transmit Buffer Size (S15.3)	mdmScNonArqBufSize 1.3.6.1.4.1.429.1.6.6.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Sets the sizer of the transmit buffer for non-ARQ mode operation to either 128 bytes or 1.5K. The smaller size is for low speed interactive applications the large size is for file transfer. Default=128.	INTEGER 1 = bytes1500 2 = bytes128	S15.3
Buffer RX During MNP Negotiation (S37.0)	mdmScNonMnpDataCapture 1.3.6.1.4.1.429.1.6.6.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Causes received characters to be buffered when the modem is attempting to negotiate an MNP call and the remote modem is not. Default=disabled.	INTEGER 1 = disable 2 = enable	S37.0
V.21 Modulation (S27.0)	mdmScV21Mod 1.3.6.1.4.1.429.1.6.6.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will answer both bell 103 and V.21 calls but originates only V.21 calls. Default=disabled.	INTEGER 1 = disable 2 = enable	S27.0
V.32 Unencoded Modulation (S27.1)	mdmScV32UnencodedMod 1.3.6.1.4.1.429.1.6.6.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Allows unencoded modulation in V.32 mode. Although part of the CCITT V.32 recomendation it is rarely used. Default=disabled.	INTEGER 1 = disable 2 = enable	S27.1
V.32 Modulation (S27.2)	mdmScV32Mod 1.3.6.1.4.1.429.1.6.6.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Allows V.32 modulation to be disabled on USRobotics Dual Standard modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S27.2
V.32 bis Modulation (S34.0)	mdmScV32Bis 1.3.6.1.4.1.429.1.6.6.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Allows V.32 bis modulation to be disabled. On USRobotics Dual Standard modems this may be useful in troublshooting HST operation. Default=V.32 bis enabled.	INTEGER 1 = enable 2 = disable	S34.0
V.32 Enhanced Mode (S34.1)	mdmScV32BisEnhance 1.3.6.1.4.1.429.1.6.6.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Allows USRobotics V.32 Enahnced mode to be disabled for purposes of troubleshooting Default=enabled.	INTEGER 1 = enable 2 = disable	S34.1
V.32 Fast Retrain (S34.2)	mdmScV32QuickRetrain 1.3.6.1.4.1.429.1.6.6.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Allows the faster retrains that occur with USR's enhanced V.32 mode to be disabled for troubleshooting purposes. Default=enabled.	INTEGER 1 = enable 2 = disable	S34.2
V.23 Call Negotiation (S34.3)	mdmScV23 1.3.6.1.4.1.429.1.6.6.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	Allows the modem to negotiate a V.23 connection(used in U.K.) after failing to negotiate a higher rate. Default=disabled.	INTEGER 1 = disable 2 = enable	S34.3
Fallback Disable (S15.1)	mdmScFallback 1.3.6.1.4.1.429.1.6.6.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the modem will be allowed to change protocols it detects a significant change in the line characteristics. If the modem is unable to maintain transmission with the current modulation technique it would fall back to a lower speed and if the line then improved it would upshift to a higher speed. Default=enabled.	INTEGER 1 = enable 2 = disable	S15.1
V.32 Terbo Modulation (S34.7)	mdmScV32TerboModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Allows the V32 Terbo mode to be disabled/enabled.	INTEGER 1 = disable 2 = enable	S34.7

V.34 Modulation (S56.6)	mdmScV34ModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.20.slot*1000 + channel mandatory read-write in mdm.mib	Allows V34 mode to be disabled/enabled.	INTEGER 1 = disable 2 = enable	S56.6
V.FC 2400 Symbol Rate (S54.0)	mdmScVFCSymRate2400 1.3.6.1.4.1.429.1.6.6.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2400 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.0
V.FC 2743 Symbol Rate (S54.1)	mdmScVFCSymRate2743 1.3.6.1.4.1.429.1.6.6.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2743 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.1
V.FC 2800 Symbol Rate (S54.2)	mdmScVFCSymRate2800 1.3.6.1.4.1.429.1.6.6.1.1.23.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2800 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.2
V.FC 3000 Symbol Rate (S54.3)	mdmScVFCSymRate3000 1.3.6.1.4.1.429.1.6.6.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 3000 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.3
V.FC 3200 Symbol Rate (S54.4)	mdmScVFCSymRate3200 1.3.6.1.4.1.429.1.6.6.1.1.25.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 3200 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.4
V.FC 3429 Symbol Rate (S54.5)	mdmScVFCSymRate3429 1.3.6.1.4.1.429.1.6.6.1.1.26.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 3429 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.5
V.FC 8S-2D Mapping (S55.0)	mdmScVFC8S2DMapping 1.3.6.1.4.1.429.1.6.6.1.1.27.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 8S-2D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.0
V.FC 16S-4D Mapping (S55.1)	mdmScVFC16S4DMapping 1.3.6.1.4.1.429.1.6.6.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 16S-4D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.1
V.FC 32S-2D Mapping (S55.2)	mdmScVFC32S2DMapping 1.3.6.1.4.1.429.1.6.6.1.1.29.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 32S-2D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.2
V.FC 64S-4D Mapping (S55.3)	mdmScVFC64S4DMapping 1.3.6.1.4.1.429.1.6.6.1.1.30.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 64S-4D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.3
V.FC Non-linear Coding (S56.0)	mdmScVFCNonLinearCoding 1.3.6.1.4.1.429.1.6.6.1.1.31.slot*1000 + channel mandatory read-write	Allows the non-linear coding to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.0

	in mdm.mib			
V.FC TX Level Deviation (S56.1)	mdmScVFCTxLevelDeviation 1.3.6.1.4.1.429.1.6.6.1.1.32.slot*1000 + channel mandatory read-write in mdm.mib	Allows the TX level deviation to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.1
V.FC Pre-emphasis (S56.2)	mdmScVFCPreEmphasis 1.3.6.1.4.1.429.1.6.6.1.1.33.slot*1000 + channel mandatory read-write in mdm.mib	Allows the pre-emphasis to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.2
V.FC Precoding (S56.3)	mdmScVFCPreCoding 1.3.6.1.4.1.429.1.6.6.1.1.34.slot*1000 + channel mandatory read-write in mdm.mib	Allows the precoding to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.3
V.FC Shaping (S56.4)	mdmScVFCShaping 1.3.6.1.4.1.429.1.6.6.1.1.35.slot*1000 + channel mandatory read-write in mdm.mib	Allows the shaping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.4
V.FC Modulation (S56.7)	mdmScVFCModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.36.slot*1000 + channel mandatory read-write in mdm.mib	Allows to disable/enable V.FC mode in order to troubleshoot a connection.	INTEGER 1 = enable 2 = disable	S56.7
V.8 Mode (S54.7)	mdmScV8 1.3.6.1.4.1.429.1.6.6.1.1.37.slot*1000 + channel mandatory read-write in mdm.mib	Allow V8 mode to be disabled/enabled	INTEGER 1 = enable 2 = disable	S54.7
V.8 Call Indicator (S54.6)	mdmSCV8CallIndicator 1.3.6.1.4.1.429.1.6.6.1.1.38.slot*1000 + channel mandatory read-write in mdm.mib	Allow V.8. call indicater to be disabled/enabled.	INTEGER 1 = enable 2 = disable	S54.6
V.34+ (S56.5)	mdmScV34pModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.39.slot*1000 + channel mandatory read-write in mdm.mib	Allows V34 plus modulation mode to be disabled. (default=0/enabled)	INTEGER 1 = enable 2 = disable	S56.5
300 Baud (S48.0)	mdmSc300 1.3.6.1.4.1.429.1.6.6.1.1.40.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 300 baud negotiations. Register S48.0 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.0
1200 Baud (S48.1)	mdmSc1200 1.3.6.1.4.1.429.1.6.6.1.1.41.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 1200 baud negotiations. Register S48.1 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.1
2400 Baud (S48.2)	mdmSc2400 1.3.6.1.4.1.429.1.6.6.1.1.42.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 2400 baud negotiations. Register S48.2 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.2
High Speed (S48.3)	mdmScHighSpeed 1.3.6.1.4.1.429.1.6.6.1.1.43.slot*1000 + channel	Restrict highspeed baud negotiations. Register S48.3 Default is disable (0) restriction.	INTEGER 1 = disable	S48.3

	mandatory read-write in mdm.mib		2 = enable	
V.42 Selective Reject (S51.6)	mdmScSelectiveReject 1.3.6.1.4.1.429.1.6.6.1.1.44.slot*1000 + channel mandatory read-write in mdm.mib	Selective Reject register S51.6 is a function of the V.42/LAPM protocol. The default is enable (1)	INTEGER 1 = enable 2 = disable	S51.6
Minimum High-Speed Direction Link Speed (&U)	mdmScLinkRateAmpU 1.3.6.1.4.1.429.1.6.6.1.1.46.slot*1000 + channel mandatory read-write in mdm.mib	Minimum high-speed direction link speed Default=variable.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000	&U

38 = bps34666
39 = bps36000
40 = bps38666
41 = bps40000
42 = bps58666
43 = bps60000
44 = bps61333
45 = bps62666

Call Control Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
MNP/V.42 Link Request Timeout (sec) (S52)	mdmCcMnpTimeout 1.3.6.1.4.1.429.1.6.7.1.1.29.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the MNP/V42 link request timeout for negotiation of 1200 and 2400 bps calls. Default=5.	INTEGER (0...14)	S52
Carrier Detect Delay (S7)	mdmCcWaitForCarrier 1.3.6.1.4.1.429.1.6.7.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem will wait for a carrier signal after dialing. Default=60.	INTEGER (0...255)	S7
Inactivity Timer (min) (S19)	mdmCcInactivityTimer 1.3.6.1.4.1.429.1.6.7.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration (in seconds) that the modem will maintain a connection when there is no activity on the phone line. The feature is disabled when set to 0. Default=0.	INTEGER (0...255)	S19
Result Codes (Qn|Dip 3|7)	mdmCcQuietResultCodes 1.3.6.1.4.1.429.1.6.7.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Determines whether or not the modem transmits result codes to the DTE. Default=noResult(2).	INTEGER 1 = displayResult 2 = noResult 3 = originateOnly	Qn|Dip 3|7
Verbal/Numeric Result Codes (Vn|Dip 2)	mdmCcResponseMode 1.3.6.1.4.1.429.1.6.7.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	Determines whether the modem transmits result codes in the verbal or numeric mode. Default=verbal(2).	INTEGER 1 = numeric 2 = verbal	Vn|Dip 2
Result Code Groups (X)	mdmCcResultCodeOptions 1.3.6.1.4.1.429.1.6.7.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Defines one of eight result code subsets and also defines indirectly how the modem reacts to dial tone etc. Equates to the modem's X register Default=1.	INTEGER (0...7)	X
ARQ Result Codes (&A)	mdmCcArqResultCodeMode 1.3.6.1.4.1.429.1.6.7.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the ARQ result codes are sent to the DTE on connection(if result codes are enabled). Default=arqResultsEnabled(2).	INTEGER 1 = arqResultsDisabled 2 = arqResultsEnabled 3 = includeHstV32 4 = includeProtocol	&A
Response to +++ (Dip 9)	mdmCcEscCodeRsp 1.3.6.1.4.1.429.1.6.7.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Defines the action of the modem in response to the escape code(+++). The default value is determined by the state of Dip switch 2-3 on power up.	INTEGER 1 = goOnHook 2 = enterCommandMode 3 = ignoreEscCode	Dip 9
AT Command Recognition (Dip 8)	mdmCcAtRecognition 1.3.6.1.4.1.429.1.6.7.1.1.13.slot*1000 + channel mandatory read-write	Determines which if any AT commands the modem will recognize or accept from the DTE. Default=ignore(1).	INTEGER 1 = ignore 2 = queryOnly	Dip 8

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
	in mdm.mib		3 = enableAll	
V.32 300/600 Hz Tone Times (S28)	mdmCcV32ToneDuration 1.3.6.1.4.1.429.1.6.7.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the duration (in 10ths of a second) that the modem transmits the 3000/600 Hz answer tones for V.32 handshaking. A setting of 0 eliminates these tones and will result in faster connect times for V.21 and V.23 calls. Default=8.	INTEGER (0...255)	S28
V.21 to V.23 Fallback Timer (S29)	mdmCcV21V23FallBackTimer 1.3.6.1.4.1.429.1.6.7.1.1.30.slot*1000 + channel mandatory read-write in mdm.mib	V21/V23 fallback timer 1/10 sec. NVRAM S Register S29. Default=20	INTEGER (0...255)	S29
Rings for Auto Answer (S0|Dip 5)	mdmCcAutoAnswer 1.3.6.1.4.1.429.1.6.7.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Determines the number of rings that the modem will answer calls on. When set to 0 the modem can only originate calls. Default=1.	INTEGER (0...255)	S0|Dip 5
Additional Answer Tone Time (S49)	mdmCcAddnlAnswToneDur 1.3.6.1.4.1.429.1.6.7.1.1.31.slot*1000 + channel optional read-write in mdm.mib	Additional answer tone duration 1/10 sec. NVRAM S Register S49. Default=16.	INTEGER (0...255)	S49
Answer in Originate Mode (S13.1)	mdmCcAnswerInOrigMode 1.3.6.1.4.1.429.1.6.7.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will answer calls using the sequence normaly used by the originating modem. Default=disable(1).	INTEGER 1 = disable 2 = enable	S13.1
Billing Delay Timer (S50)	mdmCcBillingDelayPeriod 1.3.6.1.4.1.429.1.6.7.1.1.32.slot*1000 + channel optional read-write in mdm.mib	Billing Delay Period. 1/50 sec. NVRAM S Register S50. Default=100.	INTEGER (0...255)	S50
Default Phone Number (&Z0)	mdmCcPhoneString0 1.3.6.1.4.1.429.1.6.7.1.1.20.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in modem's non volitile memory. Useful in providing quick access to frequently called numbers. In addition mdmCcPhoneString0 is used for the dial on power up and dial on DTR options.	DisplayString SIZE(0...36)	&Z0
Stored Phone Number 1 (&Z1)	mdmCcPhoneString1 1.3.6.1.4.1.429.1.6.7.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful for providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z1
Stored Phone Number 2 (&Z2)	mdmCcPhoneString2 1.3.6.1.4.1.429.1.6.7.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful in providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z2
Stored Phone Number 3 (&Z3)	mdmCcPhoneString3 1.3.6.1.4.1.429.1.6.7.1.1.23.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful in providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z3

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
ARQ Negotiation (&M)	mdmCcErrorCntlMode 1.3.6.1.4.1.429.1.6.7.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Defines if the modem is operating in synchronous or asynchronous mode and how it responds relative to negotiation of error control on asynchronous connections. When set to the default normalArq(3) the modem attempts to connect with error control but if unable to negotiate it connects anyway. When set to none(1) async connections do not attempt to use error control. When set to arqOnly(4) the modem will hang up if unable to negotiate error contol. When set to syncMode(2) the modem will not connect asynchronously.	INTEGER 1 = none 2 = syncMode 3 = normalArq 4 = arqOnly 5 = v25bisChar 6 = v25bisBit	&M
MNP/V.42 @ 1200 bps (S51.0)	mdmCcMnpWith1200 1.3.6.1.4.1.429.1.6.7.1.1.26.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V42 negotiation on 1200 bps connections. Default=enable(1).	INTEGER 1 = enable 2 = disable	S51.0
MNP/V.42 @ 2400 bps (S51.1)	mdmCcMnpWith2400 1.3.6.1.4.1.429.1.6.7.1.1.27.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V43 negotiation on 2400 bps calls. default=enable(1).	INTEGER 1 = enable 2 = disable	S51.1
MNP/V.42 @ 9600 bps (S51.2)	mdmCcMnpWithV32 1.3.6.1.4.1.429.1.6.7.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V42 negotiation on V.32 connections. Default=enable(1).	INTEGER 1 = enable 2 = disable	S51.2
T1 Call Setup (S47.0)	mdmCcT1CallSetupProc 1.3.6.1.4.1.429.1.6.7.1.1.41.slot*1000 + channel optional read-write in mdm.mib	Determines T1 call setup procedures used. Choices are 'normal' or 'none'. None assumes a dedicated (leased) DS0 assigned to the modem.Default=normalSetup(1).	INTEGER 1 = normalSetup 2 = noSetup	S47.0
Dial Sequence Tone Encapsulation (S47.2)	mdmCcT1KpStMfTones 1.3.6.1.4.1.429.1.6.7.1.1.43.slot*1000 + channel optional read-write in mdm.mib	Determines the usage of KP and ST MF tone encapsulation of the dial sequence.Default=enable(1).	INTEGER 1 = enable 2 = disable	S47.2
Call Init String (S47.3)	mdmCcT1CallInitStrUse 1.3.6.1.4.1.429.1.6.7.1.1.44.slot*1000 + channel optional read-write in mdm.mib	Determines if calling init strings are used or not.Default=enable(1).	INTEGER 1 = enable 2 = disable	S47.3
ANI/DNIS Call Init Strings (S47.4)	mdmCcT1CallInitStrBase 1.3.6.1.4.1.429.1.6.7.1.1.45.slot*1000 + channel optional read-write in mdm.mib	Determines if the calling init strings are based upon DNIS or ANI.Default=dnisBase(1).	INTEGER 1 = dnisBase 2 = aniBase	S47.4
ANI-Based Incoming Call Digits (S62)	mdmCcT1DialInAniDig 1.3.6.1.4.1.429.1.6.7.1.1.48.slot*1000 + channel optional read-write in mdm.mib	Sets the number of ANI digits allowed in incoming calls. Default = 0.	INTEGER (0...12)	S62

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
DNIS-Based Incoming Call Digits (S63)	mdmCcT1DialInDnisDig 1.3.6.1.4.1.429.1.6.7.1.1.49.slot*1000 + channel optional read-write in mdm.mib	Sets the number of DNIS/DID digits allowed in incoming calls. Default = 0.	INTEGER (0...12)	S63
V.42bis Compression over V.120	mdmCcEnableV120v42Bis 1.3.6.1.4.1.429.1.6.7.1.1.59.slot*1000 + channel mandatory read-write in mdm.mib	V.42bis Compression over V.120. S67.4	INTEGER 1 = disable 2 = enable	

Modem Error Control Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP Level 3 Error Correction (S13.6)	mdmEcMnp3Dis 1.3.6.1.4.1.429.1.6.8.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will negotiate for MNP level 3 error correction. Default=enable.	INTEGER 1 = enable 2 = disable	S13.6
MNP Level 4 Error Correction (S15.4)	mdmEcMnp4Dis 1.3.6.1.4.1.429.1.6.8.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will negotiate for MNP level 4 error correction. Default=enable.	INTEGER 1 = enable 2 = disable	S15.4
Special 2400bps MNP (S15.6)	mdmEcMnpUnusual 1.3.6.1.4.1.429.1.6.8.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will attempt to negotiate for MNP operation used in some early 2400bps modems. Default=disable.	INTEGER 1 = disable 2 = enable	S15.6
V.42/MNP Negotiation Method (S27.4-5)	mdmEcV42MnpHandshake 1.3.6.1.4.1.429.1.6.8.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Determines what types of error correction the modem will attempt to negotiate. When configured for the default full V.42 and MNP the modem first tries to connect with V42 error control and then with MNP error control. When set to disable either V42 or MNP the modem will only attempt to negotiate the enabled protocol. When set to disable the V42 detect phase it is not included in the handshaking process. This allows for faster connections between V42 modems.	INTEGER 1 = enableAll 2 = enableV42disableMnp 3 = disablev42enablemnp 4 = disableDetectionPhase	S27.4-5

DNIS Access Codes

TCM Name	ASN.1 MIB	Description	Settings	Command
DNIS Group 1	mdmCcCarrierAccessCode1 1.3.6.1.4.1.429.1.6.7.1.1.33.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits (e.g. 9501755). This is the 1st of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 1	mdmCcCallingInitStr1 1.3.6.1.4.1.429.1.6.7.1.1.36.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This string is a configuration string of 1 to 30 characters (e.g. &F &F&B1&R1 etc.) This string does NOT include the AT attention prefix. This is the 1st of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Group 2	mdmCcCarrierAccessCode2 1.3.6.1.4.1.429.1.6.7.1.1.34.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits. This is the 2nd of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 2	mdmCcCallingInitStr2 1.3.6.1.4.1.429.1.6.7.1.1.37.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This string is 1 to 30 characters. It does NOT include the AT attention prefix. It is the 2nd of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Group 3	mdmCcCarrierAccessCode3 1.3.6.1.4.1.429.1.6.7.1.1.35.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits. This is the 3rd of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 3	mdmCcCallingInitStr3 1.3.6.1.4.1.429.1.6.7.1.1.38.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This is a string of 1 to 30 characters. It does NOT include the AT attention prefix. This is the 3rd of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Default String	mdmCcCallingInitStr4 1.3.6.1.4.1.429.1.6.7.1.1.39.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This is a string of 1 to 30 characters. It does NOT include the AT attention prefix. This is the 4th of 4 CAC init strings.	DisplayString SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Low-speed Direction Minimum Speed (S74)	mdmScLowerSpeedMin 1.3.6.1.4.1.429.1.6.6.1.1.47.slot*1000 + channel mandatory read-write in mdm.mib	Lower speed direction minimum Default=1.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666	S74

39 = bps36000
40 = bps38666
41 = bps40000
42 = bps58666
43 = bps60000
44 = bps61333
45 = bps62666

Low-speed Channel Maximum Speed (S75)	mdmScLowerSpeedMax 1.3.6.1.4.1.429.1.6.6.1.1.48.slot*1000 + channel mandatory read-write in mdm.mib	Lower speed direction maximum Default=1.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666 39 = bps36000 40 = bps38666 41 = bps40000 42 = bps58666 43 = bps60000	S75

			44 = bps61333 45 = bps62666	
x2 Client Mode (S76.0)	mdmScX2Client 1.3.6.1.4.1.429.1.6.6.1.1.49.slot*1000 + channel mandatory read-write in mdm.mib	X2 Client Mode Disable Default=enabled.	INTEGER 1 = enabled 2 = disabled	S76.0
x2 Server Mode (S76.1)	mdmScX2Server 1.3.6.1.4.1.429.1.6.6.1.1.50.slot*1000 + channel mandatory read-write in mdm.mib	X2 Server Mode Disable Default=enabled.	INTEGER 1 = enabled 2 = disabled	S76.1
x2 Symmetric Mode (S76.2)	mdmScX2Symmetric 1.3.6.1.4.1.429.1.6.6.1.1.51.slot*1000 + channel mandatory read-write in mdm.mib	X2 Symmetric Mode Disable Default=enable.	INTEGER 1 = enabled 2 = disabled	S76.2
x2 High-power Constellation (S76.7)	mdmScX2HighPowerConst 1.3.6.1.4.1.429.1.6.6.1.1.52.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable/disable the X2 high-power constellation. This object is only valid in countries where it is legal. It corresponds to S Register 76.7 Default = Disable(1).	INTEGER 1 = disable 2 = enable	S76.7
V.90 All Digital Mode (S81.6)	mdmScV90AllDigital 1.3.6.1.4.1.429.1.6.6.1.1.61.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 symmetric modulation. Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.6
V.90 Analogue Mode (S81.4)	mdmScV90Analogue 1.3.6.1.4.1.429.1.6.6.1.1.59.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 client modulation.Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.4
V.90 Digital Mode (S81.5)	mdmScV90Digital 1.3.6.1.4.1.429.1.6.6.1.1.60.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 server modulation.Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.5

ISDN Modem Call Control Options

TCM Name	ASN.1 MIB	Description	Settings	Command
V110 Rate Adaption (S67.0)	imdmCcRateAdapV110 1.3.6.1.4.1.429.1.19.1.1.1.2.slot*1000 + channel mandatory read-write in imdm.mib	This object enables V110 rate adaption corresponds to S register S67 bit 0. Default = 1	INTEGER 1 = disable 2 = enable	S67.0
Force Fixed Network Rate (S67.1)	imdmCcFixedNtwkRate 1.3.6.1.4.1.429.1.19.1.1.1.3.slot*1000 + channel mandatory read-write in imdm.mib	This object sets the fixed network rate. This object correspond to S register S67 bit 1. Default = 1	INTEGER 1 = notForced 2 = forceNetworkRate	S67.1
Force Network Rate Speed (S67.2)	imdmCcNetworkRate 1.3.6.1.4.1.429.1.19.1.1.1.4.slot*1000 + channel mandatory read-write in imdm.mib	This object sets the Network rate speed. This object corresponds to the modem S register S67 bit 2. Default = 1	INTEGER 1 = kbps56 2 = kbps64	S67.2
Enable 45-65 Second Link Delay (S67.4)	imdmCcBcLinkDly 1.3.6.1.4.1.429.1.19.1.1.1.5.slot*1000 + channel mandatory read-write in imdm.mib	This object enable a 45 - 65 second link delay. This object corresponds to the S register S67 bit 4. Default = 1	INTEGER 1 = noDelay 2 = delay	S67.4
Analog Calls Over Digital (S68.0)	imdmCcAnlgOvrDig 1.3.6.1.4.1.429.1.19.1.1.1.6.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set S register S68 bit 0 which does not allow analog calls over digital data connection. Default = 1	INTEGER 1 = enable 2 = disable	S68.0
Async PPP/Sync PPP Conversion (S68.4)	imdmCcAsyncPPP 1.3.6.1.4.1.429.1.19.1.1.1.7.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to disable/enable async PPP/ sync PPP conversion. This object corresponds to S register S68 bit 2. Default = 1	INTEGER 1 = enable 2 = disable	S68.4
X.75 (S68.5)	imdmCcX75 1.3.6.1.4.1.429.1.19.1.1.1.8.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to disable/enable X75. This object corresponds to S register S68 bit 3. Default = 1	INTEGER 1 = enable 2 = disable	S68.5
Set Data Mode of Modem (*V2=x)	imdmCcStarV2 1.3.6.1.4.1.429.1.19.1.1.1.9.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the data mode of the modem and is equivalent to *V2 = x AT command. Default =1	INTEGER 1 = autodetect 2 = v120rateAdapOnly 3 = v110rateAdapOnly 4 = modemOrFaxOnly 5 = clearChannelSync 6 = asyncSyncPPPconv 7 = x75	*V2=x
Set Originate HDLC Protocol (*U1=x)	imdmCcStarU1 1.3.6.1.4.1.429.1.19.1.1.1.10.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate HDLC protocols of the modem and is equivalent to *U1 = x AT command. Default =2	INTEGER 1 = none 2 = v120 3 = x75	*U1=x

TCM Name	ASN.1 MIB	Description	Settings	Command
V110 Rate Adaption (S67.0)	imdmCcRateAdapV110 1.3.6.1.4.1.429.1.19.1.1.1.2.slot*1000 + channel mandatory read-write in imdm.mib	This object enables V110 rate adaption corresponds to S register S67 bit 0. Default = 1	INTEGER 1 = disable 2 = enable	S67.0
			4 = ppp	
Set Originate Non-HDLC Protocol (*U2=x)	imdmCcStarU2 1.3.6.1.4.1.429.1.19.1.1.1.11.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate Non-HDLC protocols of the modem and is equivalent to *U2 = x AT command. Default =1	INTEGER 1 = none 2 = v110	*U2=x
Set Originate Analog Modem/Fax Data Mode (*U3=x)	imdmCcStarU3 1.3.6.1.4.1.429.1.19.1.1.1.12.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate Analog modem/fax data mode of the modem and is equivalent to *U3 = x AT command. Default =2	INTEGER 1 = none 2 = analogModemFax	*U3=x
V120 (S68.6)	imdmCcV120 1.3.6.1.4.1.429.1.19.1.1.1.13.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to Enable/Disable V120. This Object corresponds to S register 68 bit 4 default=1	INTEGER 1 = enable 2 = disable	S68.6
X75 Frame Size	imdmCcFrameSize 1.3.6.1.4.1.429.1.19.1.1.1.14.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to set the Frame size for X75. Default = 2048	INTEGER (1...2048)	
X75 Window Size	imdmCcWindowSize 1.3.6.1.4.1.429.1.19.1.1.1.15.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to set the Window Size of X75 default=2	INTEGER (1...7)	

Channel Mapping

TCM Name	ASN.1 MIB	Description	Settings	Command
Group Number	mdmMaChannelConfig 1.3.6.1.4.1.429.1.6.19.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Values of group(1) group(2) group(3) group(4) represent the HDM card level configuration of 1..4 used by this channel.	INTEGER 1 = group1 2 = group2 3 = group3 4 = group4	

5 HiPer DSP Span-level Parameters

This chapter describes the HiPer DSP span-level parameters applicable to the HiPer DSP 24-channel and HiPer DSP 30-channel NACs.

Actions/Commands

Software Commands

HiPer DSP Span Line Actions:
No Command (NF)
Force Receiver Reframe (NF)
In Service (NF)
Local Out of Service (F)
Disconnect (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
usrds1CmdMgtStationId	usrds1CmdMgtStationId 1.3.6.1.4.1.429.1.27.3.1.2 optional read-write in rds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with usrds1CmdReqId and usrds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
usrds1CmdReqId	usrds1CmdReqId 1.3.6.1.4.1.429.1.27.3.1.3 optional read-only in rds1.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on this DS1 interface. If the request-id is unknown or undefined this object contains the zero value.	INTEGER	
usrds1CmdFunction	usrds1CmdFunction 1.3.6.1.4.1.429.1.27.3.1.4 optional read-write in rds1.mib	This object identifies the command being requested.	INTEGER 1 = noCommand 2 = forceReceiverReframe 3 = inService 4 = localOutOfService 5 = disconnect 6 = enterDChaDisConnMaintMode 7 = exitDChaDisConnMaintMode 8 = enterBlueAlmMaintMode 9 = exitBlueAlmMaintMode	
usrds1CmdForce	usrds1CmdForce 1.3.6.1.4.1.429.1.27.3.1.5 optional read-write in rds1.mib	In some cases the DS1 interface may be in a state such that certain commands could adversely affect connections. In such cases a command request with usrds1CmdForce not defined or set to noForce will result in a warning. If the operator elects to ignore such warnings usrds1CmdForce can be set to force in a re-issued request and the command will be carried out regardless of its potentially hazardous effects.	INTEGER 1 = force 2 = noForce	

TCM Name	ASN.1 MIB	Description	Settings	Command
usrds1CmdMgtStationId	usrds1CmdMgtStationId 1.3.6.1.4.1.429.1.27.3.1.2 optional read-write in rds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with usrds1CmdReqId and usrds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
usrds1CmdParam	usrds1CmdParam 1.3.6.1.4.1.429.1.27.3.1.6 optional read-write in rds1.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
usrds1CmdResult	usrds1CmdResult 1.3.6.1.4.1.429.1.27.3.1.7 optional read-only in rds1.mib	This object contains the result of the most recently requested command or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
usrds1CmdCode	usrds1CmdCode 1.3.6.1.4.1.429.1.27.3.1.8 optional read-only in rds1.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 73 = pendingSoftwareDownload 113 = pendingSDL2	

Faults

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Red Alarm	usrds1EventRedAlarm 1.3.6.1.4.1.429.1.27.4.1.3.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Loss of Signal	usrds1EventLossOfSignal 1.3.6.1.4.1.429.1.27.4.1.4.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Alarm Ind Signal	usrds1EventAlarmIndSignal 1.3.6.1.4.1.429.1.27.4.1.5.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Continuous CRC	usrds1EventContCrcAlrm 1.3.6.1.4.1.429.1.27.4.1.10.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a continuous CRC condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Physical State Change	usrds1EventPhysStateChng 1.3.6.1.4.1.429.1.27.4.1.12.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the physical state of the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Yellow Alarm	usrds1EventYellowAlarm 1.3.6.1.4.1.429.1.27.4.1.2.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Red Alarm Cleared	usrds1EventRedAlarmClr 1.3.6.1.4.1.429.1.27.4.1.7.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

TCM Name	ASN.1 MIB	Description	Settings	Command
On Red Alarm	usrds1EventRedAlarm 1.3.6.1.4.1.429.1.27.4.1.3.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Loss of Signal Cleared	usrds1EventLossOfSgnlClr 1.3.6.1.4.1.429.1.27.4.1.8.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On AIS Cleared	usrds1EventAlrmIndSgnlClr 1.3.6.1.4.1.429.1.27.4.1.9.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Continuous CRC Cleared	usrds1EventContCrcAlrmClr 1.3.6.1.4.1.429.1.27.4.1.11.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of the clearing of a continuous CRC condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Abnormal TELCO Response	usrds1EvntelcoAbnornalRsp 1.3.6.1.4.1.429.1.27.4.1.18.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap when - NCC signal TELCO to disconnect a call the TELCO failed to respond.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Yellow Alarm Cleared	usrds1EventYellowAlarmClr 1.3.6.1.4.1.429.1.27.4.1.6.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Loopback Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
On Loopback	usrds1EventloopBack 1.3.6.1.4.1.429.1.27.4.1.16.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap when - The span line has been looped up. Loop back has occurred on span line.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Loopback Cleared	usrds1EventloopBackCleard 1.3.6.1.4.1.429.1.27.4.1.17.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap when - The span line has been looped down. Loop back has cleared on span line.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Timeslot Service Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
On Timeslot In Service	usrds1EventDs0InSrvc 1.3.6.1.4.1.429.1.27.4.1.13.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a DS0 on this span line from Out of Service to In Service.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Timeslot Out Of Service	usrds1EventDs0OutOfSrvc 1.3.6.1.4.1.429.1.27.4.1.14.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a DS0 on this span line from In Service to Out of Service.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Timeslot State Change	usrds1EventDs0ServStateMt 1.3.6.1.4.1.429.1.27.4.1.15.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap when - B - channel(s) specified change to Maintenance Service State.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Incoming Call Failure	usrds1EventDs0InConnFail 1.3.6.1.4.1.429.1.27.4.1.21.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a incoming call failure at the DS0 level. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Outgoing Call Failure	usrds1EventDs0OutConnFail 1.3.6.1.4.1.429.1.27.4.1.22.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a out going call failure at the DS0 level. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Arrive	usrds1EventCallArrive 1.3.6.1.4.1.429.1.27.4.1.23.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap to track call arrivals. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Terminate	usrds1EventCallTerm 1.3.6.1.4.1.429.1.27.4.1.24.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap to track normal call event. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

D-Channel Service Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
On D-Channel in Service	usrds1EventDchanInSrvc 1.3.6.1.4.1.429.1.27.4.1.19.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a D channel on this span line from Out of Service Maintenance or Standby to Inservice. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On D-Channel Out of Service	usrds1DchanOutOfSrvc 1.3.6.1.4.1.429.1.27.4.1.20.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a D channel on this span line from In service to Out of Service Maintenance or Standby. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

NFAS

TCM Name	ASN.1 MIB	Description	Settings	Command
D-Channel Switch-Over Start	usrds1EventNfasDchSwStart 1.3.6.1.4.1.429.1.27.4.1.25.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a begining of D-channel switch-over process.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
D-Channel Switch-Over End	usrds1EventNfasDchSwEnd 1.3.6.1.4.1.429.1.27.4.1.26.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of the ending of D-channel switch-over process.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
D-Channel Switch-Over Fail	usrds1EventNfasDchSwfail 1.3.6.1.4.1.429.1.27.4.1.27.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a failure of the D-channel switch-over process.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Performance

Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Elapsed	dsx1TimeElapsed 1.3.6.1.2.1.10.18.6.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of seconds that have elapsed since the beginning of the current error-measurement period.	INTEGER (0...899)	
Number of Valid Sampling Intervals	dsx1ValidIntervals 1.3.6.1.2.1.10.18.6.1.4.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of previous intervals for which valid data was collected. The value will be 96 unless the interface was brought on-line within the last 24 hours in which case the value will be the number of complete 15 minute intervals the since interface has been online.	INTEGER (0...96)	
Receiver Gain Applied	usrds1StatReceiverGain 1.3.6.1.4.1.429.1.27.2.1.2.slot*1000 + channel optional read-only in rds1.mib	This object identifies the amount of gain applied to boost the receive signal level to an appropriate operating level.	INTEGER 1 = dB0pt0 2 = negdB2pt9 3 = negdB5pt8 4 = negdB7pt5 5 = negdB8pt7 6 = negdB11pt6 7 = negdB14pt5 8 = negdB15pt0 9 = negdB17pt4 10 = negdB20pt3 11 = negdB22pt5 12 = negdB23pt2 13 = negdB26pt1 14 = negdB29pt0 15 = negdB31pt9 16 = negdB34pt8 17 = negdB37pt7 18 = negdB40pt6 19 = negdB43pt5	
Active Primary Switch Type	usrds1StatSwitchTypeActve 1.3.6.1.4.1.429.1.27.2.1.3.slot*1000 + channel optional read-only in rds1.mib	This object identifies the primary switch type that the T1-PRI ISDN NAC is currently connected to.	INTEGER 1 = priSw4ESS 2 = priSw5ESS 3 = priSwDMS100 4 = priSwICTR4 5 = priSwVn4 6 = priSwNI2	

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Elapsed	dsx1TimeElapsed 1.3.6.1.2.1.10.18.6.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of seconds that have elapsed since the beginning of the current error-measurement period.	INTEGER (0...899)	
			7 = priSwINS1500 8 = priSwTS014	
D Channel Operational Status	usrds1StatDchanState 1.3.6.1.4.1.429.1.27.2.1.4.slot*1000 + channel optional read-only in rds1.mib	This object reflects the operational status of the D channel on the T1-PRI ISDN NAC.	INTEGER 1 = dChannelUp 2 = dChannelDown	
Continuous CRC Errors	usrds1StatE1ContCrc 1.3.6.1.4.1.429.1.27.2.1.5.slot*1000 + channel optional read-only in rds1.mib	This object indicates when continuous CRC errors are being received on the E1 DS1 span line on the T1-PRI ISDN NAC.	INTEGER 1 = false 2 = true	
Physical State	usrds1StatE1PhysicalState 1.3.6.1.4.1.429.1.27.2.1.6.slot*1000 + channel optional read-only in rds1.mib	This object reflects the physical state of the E1 DS1 span line on the T1-PRI ISDN NAC.	INTEGER 1 = psF1Operational 2 = psF2Fc1RaiTempCrcErrors 3 = psF3Fc2LossOfSignal 4 = psF4Fc3AlarmIndSignal 5 = psF5Fc4RaiContCrcErrors 6 = psF6PowerOn	
Line Status	dsx1LineStatus 1.3.6.1.2.1.10.18.6.1.10.slot*1000 + channel mandatory read-only in rfc1406.mib	This variable indicates the Line Status of the interface. It contains loopback failure re- ceived 'alarm' and transmitted 'alarm' infor- mation. The dsx1LineStatus is a bit map represented as a sum therefore it can represent multiple failures (alarms) and a LoopbackState simultaneously. dsx1NoAlarm should be set if and only if no other flag is set. If the dsx1LoopbackState bit is set the loopback in ef- fect can be determined from the dsx1LoopbackConfig object. The various bit positions are: 1 dsx1NoAlarm No Alarm Present 2 dsx1RcvFarEndLOF Far end LOF (a.k.a. Yellow Alarm) 4 dsx1XmtFarEndLOF Near end sending LOF Indication 8 dsx1RcvAIS Far end sending AIS 16 dsx1XmtAIS Near end sending AIS 32 dsx1LossOfFrame Near end LOF (a.k.a. Red Alarm) 64 dsx1LossOfSignal Near end Loss Of Signal 128 dsx1LoopbackState Near end is looped 256 dsx1T16AIS E1 TS16 AIS 512 dsx1RcvFarEndLOMF Far End Sending TS16 LOMF 1024 dsx1XmtFarEndLOMF Near End Sending TS16 LOMF 2048 dsx1RcvTestCode Near End detects a test code 4096 dsx1OtherFailure any line status not defined here	INTEGER (1...8191)	
Loopback Initialization	usrds1StatLoopBackInit 1.3.6.1.4.1.429.1.27.2.1.7.slot*1000 + channel optional read-only in rds1.mib	This object tells if the loopback was initiated by the network or by command	INTEGER 1 = none 2 = network 3 = command	

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Elapsed	dsx1TimeElapsed 1.3.6.1.2.1.10.18.6.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of seconds that have elapsed since the beginning of the current error-measurement period.	INTEGER (0...899)	
Timeslot Status Change	usrds1StatDs0SrvcChngLst 1.3.6.1.4.1.429.1.27.2.1.8.slot*1000 + channel optional read-only in rds1.mib	This object contains the current list of DS0s that have changed their state from In Service to Out of Service or Vice versa. The list is included in the corresponding SNMP trap.	DisplayString SIZE(0...96)	
Active Signal Mode	usrds1SignalModeActive 1.3.6.1.4.1.429.1.27.2.1.9.slot*1000 + channel optional read-only in rds1.mib	This object is the same as in 1406 but shows what the module booted up with. This is needed until the changes to the 1406 object can be done without rebooting the card to make active.	INTEGER 1 = none 2 = robbedBit 3 = bitOriented 4 = messageOriented	
No Idle Modem Available	usrds1CallmodemNotAvail 1.3.6.1.4.1.429.1.27.2.1.10.slot*1000 + channel optional read-only in rds1.mib	Incremented every time an incoming call can not be completed due to no idle modem available.	INTEGER	
No Ring Off After Ring On	usrds1CallLoopStrtNoRngOff 1.3.6.1.4.1.429.1.27.2.1.17.slot*1000 + channel optional read-only in rds1.mib	Loop start Pegged every time the no ring off after ring on. - CHT1 PRI only.	INTEGER	
Setting up Call TELCO Disconnect	usroutCallTelcoDisconnct 1.3.6.1.4.1.429.1.27.2.1.18.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the TELCO disconnect a setting up call. - PRI only.	INTEGER	
E&M Wink Start Timeout	usroutCallEMWinkTimeOut 1.3.6.1.4.1.429.1.27.2.1.19.slot*1000 + channel optional read-only in rds1.mib	E&M Wink start Pegged every time the TELCO fails to wink (5 sec) - CHT1 only.	INTEGER	
E&M Wink Too Short (<260ms)	usroutCallEMWinkTooShort 1.3.6.1.4.1.429.1.27.2.1.20.slot*1000 + channel optional read-only in rds1.mib	E&M Wink start Pegged every time the wink too short (less than 260 ms) - CHT1 only.	INTEGER	
No Channel Available for Out Call	usroutCallNoChannelAvail 1.3.6.1.4.1.429.1.27.2.1.21.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NCC receives outgoing call request from TPS but there is no channel available for the outgoing call.	INTEGER	

Disconnect Reasons

TCM Name	ASN.1 MIB	Description	Settings	Command
E&M Dial In No TELCO Response	usrdiscNoTelcoRespDialIn 1.3.6.1.4.1.429.1.27.2.1.22.slot*1000 + channel optional read-only in rds1.mib	In E&M dialin state machine TELCO does not respond to NCT disconnect signal. Pegged every time when it happens. - CHT1 only.	INTEGER	
E&M Dial Out No TELCO Response	usrdiscNoTelcoRespDialOut 1.3.6.1.4.1.429.1.27.2.1.23.slot*1000 + channel optional read-only in rds1.mib	In E&M dialout state machine TELCO does not respond to NCT disconnect signal. Pegged every time when it happens. - CHT1 only.	INTEGER	
Ground Dial In & Out No TELCO Response	usrdiscNoTelcoRespGround 1.3.6.1.4.1.429.1.27.2.1.24.slot*1000 + channel optional read-only in rds1.mib	In ground start dial in and dial out state machine TELCO does not respond to NCT disconnect signal. Pegged every time when it happens. - CHT1 only.	INTEGER	

NPRI Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Invalid Bearer	usrds1inCallInvlidBearerCapa 1.3.6.1.4.1.429.1.27.2.1.11.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid bearer capability. - PRI only.	INTEGER	
Invalid Channel ID	usrds1inCallInvalidChannlID 1.3.6.1.4.1.429.1.27.2.1.12.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid channel ID. - PRI only.	INTEGER	
Invalid Progress Indicator	usrds1inCallInvlidProgrsInd 1.3.6.1.4.1.429.1.27.2.1.13.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid progress indicator. - PRI only.	INTEGER	
Invalid Calling Party	usrds1CallInvlidCallngPrty 1.3.6.1.4.1.429.1.27.2.1.14.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid calling party number. - PRI only.	INTEGER	
Invalid Called Party	usrds1CallInvlidCalledPrty 1.3.6.1.4.1.429.1.27.2.1.15.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid called party number. - PRI only.	INTEGER	
Incoming Call Blocked	usrds1CallCallBack 1.3.6.1.4.1.429.1.27.2.1.16.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI blocks the incoming call. - PRI only.	INTEGER	

Bulk Access

TCM Name	ASN.1 MIB	Description	Settings	Command
All Timeslot Statistics	usrds0BlkAccessStatDs0Mdm 1.3.6.1.4.1.429.1.27.2.1.26.slot*1000 + channel optional read-only in rds1.mib	This object contains all of the ids0Stat table parameters for all the DS0's on the DS1.	OCTET STRING SIZE(0...255)	
AB Bit Status	usrds0BulkAccessABStat 1.3.6.1.4.1.429.1.27.2.1.25.slot*1000 + channel optional read-only in rds1.mib	This object contains the AB bit status. It contains a string of bytes which contain the ABCD signaling transmit and receive bits for each DS0 on the span line.	OCTET STRING SIZE(0...255)	

Near End Interval Group (15 min)

TCM Name	ASN.1 MIB	Description	Settings	Command
Recently Completed Intervals	dsx1IntervalNumber 1.3.6.1.2.1.10.18.8.1.2.slot*1000 + channel mandatory read-only in rfc1406.mib	A number between 1 and 96 where 1 is the most recently completed 15 minute interval and 96 is the least recently completed 15 minutes inter- val (assuming that all 96 intervals are valid).	INTEGER (1...96)	
Errored Seconds	dsx1IntervalESs 1.3.6.1.2.1.10.18.8.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Errored Seconds encountered by a DS1 interface in one of the previous 96 indi- vidual 15 minute intervals.	Gauge	
Severely Errored Seconds	dsx1IntervalSESs 1.3.6.1.2.1.10.18.8.1.4.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Seconds encoun- tered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Severely Errored Framing Seconds	dsx1IntervalSEFSs 1.3.6.1.2.1.10.18.8.1.5.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Framing Seconds encountered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Unavailable Seconds	dsx1IntervalUASs 1.3.6.1.2.1.10.18.8.1.6.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Unavailable Seconds encountered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Controlled Slip Seconds	dsx1IntervalCSSs 1.3.6.1.2.1.10.18.8.1.7.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Controlled Slip Seconds encoun- tered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Path Coding Violations	dsx1IntervalPCVs 1.3.6.1.2.1.10.18.8.1.8.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Path Coding Violations encoun- tered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Line Errored Seconds	dsx1IntervalLESs 1.3.6.1.2.1.10.18.8.1.9.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Errored Seconds encountered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Bursty Errored Seconds	dsx1IntervalBESs 1.3.6.1.2.1.10.18.8.1.10.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Degraded Minutes	dsx1IntervalDMs 1.3.6.1.2.1.10.18.8.1.11.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Degraded Minutes (DMs) encoun- tered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Line Code Violations	dsx1IntervalLCVs	The number of Line Code Violations (LCVs) en- countered by a	Gauge	

TCM Name	ASN.1 MIB	Description	Settings	Command
Recently Completed Intervals	dsx1IntervalNumber 1.3.6.1.2.1.10.18.8.1.2.slot*1000 + channel mandatory read-only in rfc1406.mib	A number between 1 and 96 where 1 is the most recently completed 15 minute interval and 96 is the least recently completed 15 minutes inter- val (assuming that all 96 intervals are valid).	INTEGER (1...96)	
	1.3.6.1.2.1.10.18.8.1.12.slot*1000 + channel mandatory read-only in rfc1406.mib	DS1 interface in the current 15 minute interval.		

Near End Current Group

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	dsx1CurrentESs 1.3.6.1.2.1.10.18.7.1.2.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Errored Seconds encountered by a DS1 interface in the current 15 minute inter- val.	Gauge	
Severely Errored Seconds	dsx1CurrentSESs 1.3.6.1.2.1.10.18.7.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Seconds encoun- tered by a DS1 interface in the current 15 minute interval.	Gauge	
Severely Errored Framing Seconds	dsx1CurrentSEFSs 1.3.6.1.2.1.10.18.7.1.4.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the current 15 minute interval.	Gauge	
Unavailable Seconds	dsx1CurrentUASs 1.3.6.1.2.1.10.18.7.1.5.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Unavailable Seconds encountered by a DS1 interface in the current 15 minute in- terval.	Gauge	
Controlled Slip Seconds	dsx1CurrentCSSs 1.3.6.1.2.1.10.18.7.1.6.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Controlled Slip Seconds encoun- tered by a DS1 interface in the current 15 minute interval.	Gauge	
Path Coding Violations	dsx1CurrentPCVs 1.3.6.1.2.1.10.18.7.1.7.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Path Coding Violations encoun- tered by a DS1 interface in the current 15 minute interval.	Gauge	
Line Errored Seconds	dsx1CurrentLESs 1.3.6.1.2.1.10.18.7.1.8.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Errored Seconds encountered by a DS1 interface in the current 15 minute in- terval.	Gauge	
Bursty Errored Seconds	dsx1CurrentBESs 1.3.6.1.2.1.10.18.7.1.9.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the current 15 minute interval.	Gauge	
Degraded Minutes	dsx1CurrentDMs 1.3.6.1.2.1.10.18.7.1.10.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Degraded Minutes (DMs) encoun- tered by a DS1 interface in the current 15 minute interval.	Gauge	
Line Code Violations	dsx1CurrentLCVs 1.3.6.1.2.1.10.18.7.1.11.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Code Violations (LCVs) en- countered by a DS1 interface in the current 15 minute interval.	Gauge	

Near End Total Group (24 hrs)

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	dsx1TotalESs 1.3.6.1.2.1.10.18.9.1.2.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval	Gauge	
Severely Errored Seconds	dsx1TotalSESs 1.3.6.1.2.1.10.18.9.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Seconds encoun- tered by a DS1 interface in the previous 24 hour interval.	Gauge	
Severely Errored Framing Seconds	dsx1TotalSEFSs 1.3.6.1.2.1.10.18.9.1.4.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval.	Gauge	
Unavailable Seconds	dsx1TotalUASs 1.3.6.1.2.1.10.18.9.1.5.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour in- terval.	Gauge	
Controlled Slip Seconds	dsx1TotalCSSs 1.3.6.1.2.1.10.18.9.1.6.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Controlled Slip Seconds encoun- tered by a DS1 interface in the previous 24 hour interval.	Gauge	
Path Coding Violations	dsx1TotalPCVs 1.3.6.1.2.1.10.18.9.1.7.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Path Coding Violations encoun- tered by a DS1 interface in the previous 24 hour interval.	Gauge	
Line Errored Seconds	dsx1TotalLESs 1.3.6.1.2.1.10.18.9.1.8.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour in- terval.	Gauge	
Bursty Errored Seconds	dsx1TotalBESs 1.3.6.1.2.1.10.18.9.1.9.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval.	Gauge	
Degraded Minutes	dsx1TotalDMs 1.3.6.1.2.1.10.18.9.1.10.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Degraded Minutes (DMs) encoun- tered by a DS1 interface in the previous 24 hour interval.	Gauge	
Line Code Violations	dsx1TotalLCVs 1.3.6.1.2.1.10.18.9.1.11.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Code Violations (LCVs) en- countered by a DS1 interface in the current 15 minute interval.	Gauge	

NFAS

TCM Name	ASN.1 MIB	Description	Settings	Command
NFAS Span State	usrds1StatNFASSpanState 1.3.6.1.4.1.429.1.27.2.1.27.slot*1000 + channel optional read-only in rds1.mib	This object displays the span's current state with regard to D-channel.	INTEGER 1 = none 2 = is 3 = stby 4 = oos 5 = mb 6 = moos 7 = wait	

Programmed Settings

Trunk Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	dsx1LineType 1.3.6.1.2.1.10.18.6.1.5.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable indicates the variety of DS1 Line implementing this circuit. The type of circuit affects the number of bits per second that the circuit can reasonably carry as well as the interpretation of the usage and error statistics. The values in sequence describe: TITLE: SPECIFICATION: dsx1ESF Extended SuperFrame DS1 dsx1D4 AT&T D4 format DS1 dsx1E1 CCITT Recommendation G.704 (Table 4a) dsx1E1-CRC CCITT Recommendation G.704 (Table 4b) dsxE1-MF G.704 (Table 4a) with TS16 multiframing enabled dsx1E1-CRC-MF G.704 (Table 4b) with TS16 multiframing enabled	INTEGER 1 = other 2 = dsx1ESF 3 = dsx1D4 4 = dsx1E1 5 = dsx1E1-CRC 6 = dsx1E1-MF 7 = dsx1E1-CRC-MF	
Line Coding Options	dsx1LineCoding 1.3.6.1.2.1.10.18.6.1.6.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable describes the variety of Zero Code Suppression used on the link which in turn affects a number of its characteristics. dsx1JBZS refers the Jammed Bit Zero Suppres- sion in which the AT&T specification of at least one pulse every 8 bit periods is literal- ly implemented by forcing a pulse in bit 8 of each channel. Thus only seven bits per chan- nel or 1.344 Mbps is available for data. dsx1B8ZS refers to the use of a specified pat- tern of normal bits and bipolar violations which are used to replace a sequence of eight zero bits. ANSI Clear Channels may use dsx1ZBTSI or Zero Byte Time Slot Interchange. E1 links with or without CRC use dsx1HDB3 or dsx1AMI. dsx1AMI refers to a mode wherein no zero code suppression is present and the line encoding does not solve the problem directly. In this application the higher layer must provide data which meets or exceeds the pulse density re- quirements such as inverting HDLC data.	INTEGER 1 = dsx1JBZS 2 = dsx1B8ZS 3 = dsx1HDB3 4 = dsx1ZBTSI 5 = dsx1AMI 6 = other	
Circuit Identifier	dsx1CircuitIdentifier 1.3.6.1.2.1.10.18.6.1.8.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable contains the transmission vendor's circuit identifier for the purpose of facilitating troubleshooting.	DisplayString SIZE(0...255)	
Loopback Configuration	dsx1LoopbackConfig 1.3.6.1.2.1.10.18.6.1.9.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable represents the loopback confi- guration of the DS1 interface. Agents support- ing read/write access should return badValue in response to a requested loopback state that the interface does not support. The values mean: dsx1NoLoop Not in the loopback state. A device that is not capable of performing a loopback on the interface shall always return this as it's value. dsx1PayloadLoop The received signal at this interface is looped through the device. Typically the received signal is looped back for	INTEGER 1 = dsx1NoLoop 2 = dsx1PayloadLoop 3 = dsx1LineLoop 4 = dsx1OtherLoop	

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	dsx1LineType 1.3.6.1.2.1.10.18.6.1.5.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable indicates the variety of DS1 Line implementing this circuit. The type of circuit affects the number of bits per second that the circuit can reasonably carry as well as the interpretation of the usage and error statistics. The values in sequence describe: TITLE: SPECIFICATION: dsx1ESF Extended SuperFrame DS1 dsx1D4 AT&T D4 format DS1 dsx1E1 CCITT Recommendation G.704 (Table 4a) dsx1E1-CRC CCITT Recommendation G.704 (Table 4b) dsxE1-MF G.704 (Table 4a) with TS16 multiframing enabled dsx1E1-CRC-MF G.704 (Table 4b) with TS16 multiframing enabled	INTEGER 1 = other 2 = dsx1ESF 3 = dsx1D4 4 = dsx1E1 5 = dsx1E1-CRC 6 = dsx1E1-MF 7 = dsx1E1-CRC-MF	
		re- transmission after it has passed through the device's framing function. dsx1LineLoop The received signal at this interface does not go through the device (minimum pene- tration) but is looped back out. dsx1OtherLoop Loopbacks that are not defined here.		
Signal Mode	dsx1SignalMode 1.3.6.1.2.1.10.18.6.1.11.slot*1000 + channel mandatory read-write in rfc1406.mib	'none' indicates that no bits are reserved for signaling on this channel. 'robbedBit' indicates that T1 Robbed Bit Sig- naling is in use. 'bitOriented' indicates that E1 Channel Asso- ciated Signaling is in use. 'messageOriented' indicates that Common Chan- nel Signaling is in use either on channel 16 of an E1 link or channel 24 of a T1.	INTEGER 1 = none 2 = robbedBit 3 = bitOriented 4 = messageOriented	
Transmit Clock Source	dsx1TransmitClockSource 1.3.6.1.2.1.10.18.6.1.12.slot*1000 + channel mandatory read-write in rfc1406.mib	The source of Tranmit Clock. 'loopTiming' indicates that the recovered re- ceive clock is used as the transmit clock. 'localTiming' indicates that a local clock source is used. 'throughTiming' indicates that recovered re- ceive clock from another interface is used as the transmit clock.	INTEGER 1 = loopTiming 2 = localTiming 3 = throughTiming	
NIC Type	usrds1CfgNicCfgType 1.3.6.1.4.1.429.1.27.1.1.18.slot*1000 + channel optional read-write in rds1.mib	Type of T1/E1 interface configured - Short haul of long haul.	INTEGER 1 = notSupported 2 = longHaul 3 = shortHaul	
Response to Remote Loopback	usrds1CfgRspToRemoteLpbk 1.3.6.1.4.1.429.1.27.1.1.2.slot*1000 + channel optional read-write in rds1.mib	This object configures the specified CSU to either ignore or respond to remotely initiated loopback requests.	INTEGER 1 = ignore 2 = respond	
Jitter Attenuation	usrds1CfgJitterAttnution 1.3.6.1.4.1.429.1.27.1.1.3.slot*1000 + channel optional read-write in rds1.mib	This object is used to select how the jitter attenuation circuit on the CSU is to be used. It can be used to attenuate jitter on the receiver or the transmitter.	INTEGER 1 = attenJitterOnRcvr 2 = attenJitterOnTxmtr	
Transmit Line Build Out	usrds1CfgXmitLineBuildOut 1.3.6.1.4.1.429.1.27.1.1.4.slot*1000 + channel optional read-write in rds1.mib	This object is used to configure the amount of attenuation that is to be applied to the transmit signal in order to control cross-talk etc. Value shown in the enumeration are negative.	INTEGER 1 = dB0pt0 2 = negdB7pt5 3 = negdB15pt0 4 = negdB22pt5	
Dial In Address	usrds1CfgDialInAdr 1.3.6.1.4.1.429.1.27.1.1.5.slot*1000 + channel	This object identifies whether or not type of MF/DTMF will be transferred as part of the call setup for the specified T1 line.	INTEGER 1 = noAddress	

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	dsx1LineType 1.3.6.1.2.1.10.18.6.1.5.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable indicates the variety of DS1 Line implementing this circuit. The type of circuit affects the number of bits per second that the circuit can reasonably carry as well as the interpretation of the usage and error statistics. The values in sequence describe: TITLE: SPECIFICATION: dsx1ESF Extended SuperFrame DS1 dsx1D4 AT&T D4 format DS1 dsx1E1 CCITT Recommendation G.704 (Table 4a) dsx1E1-CRC CCITT Recommendation G.704 (Table 4b) dsxE1-MF G.704 (Table 4a) with TS16 multiframing enabled dsx1E1-CRC-MF G.704 (Table 4b) with TS16 multiframing enabled	INTEGER 1 = other 2 = dsx1ESF 3 = dsx1D4 4 = dsx1E1 5 = dsx1E1-CRC 6 = dsx1E1-MF 7 = dsx1E1-CRC-MF	
	optional read-write in rds1.mib		2 = dnis 3 = ani-dnis 4 = ani	
Dial In/Out Trunk Start Signal Type	usrds1CfgDialInOutTrunkSt 1.3.6.1.4.1.429.1.27.1.1.6.slot*1000 + channel optional read-write in rds1.mib	This will set the Dial-in/Dial-out trunk start signal type. Default = wink(1).	INTEGER 1 = wink 2 = immediate 3 = dialTone	
Ack Wink On Dial In Address Info Received	usrds1CfgDialInAdrAckWink 1.3.6.1.4.1.429.1.27.1.1.7.slot*1000 + channel optional read-write in rds1.mib	Allows to enable/disable an acknowledgment wink after the dial-in address information has been received.	INTEGER 1 = disabled 2 = enabled	
Dial Out Address Delay	usrds1CfgDialOutAdrDly 1.3.6.1.4.1.429.1.27.1.1.8.slot*1000 + channel optional read-write in rds1.mib	Allows an adjustable delay on sending out address information from the T1 NAC to the TELCO.	INTEGER (70...3000)	
Dial In/Out Trunk Type	usrds1CfgDialIOTrunkType 1.3.6.1.4.1.429.1.27.1.1.9.slot*1000 + channel optional read-write in rds1.mib	This will set the Dial-In/Dial-out trunk type. Default = eAndMTypeII(1).	INTEGER 1 = eAndMTypeII 2 = loopStart 3 = groundStart	
Primary Switch Type	usrds1CfgPriSwitchType 1.3.6.1.4.1.429.1.27.1.1.10.slot*1000 + channel optional read-write in rds1.mib	This sets the primary switch type for the T1-PRI ISDN NAC. The setting takes effect at NAC boot time.Default = priSw5ESS(2).	INTEGER 1 = priSw4ESS 2 = priSw5ESS 3 = priSwDMS100 4 = priSwICTR4 5 = priSwVn4 6 = priSwNI2 7 = priSwINS1500 8 = priSwTS014	
Idle Byte Pattern	usrds1CfgIdleByte 1.3.6.1.4.1.429.1.27.1.1.11.slot*1000 + channel optional read-write in rds1.mib	This sets the idle byte pattern for the T1-PRI ISDN NAC. The setting takes effect at NAC boot time.Default = 0xFE.	INTEGER (0...255)	
Receiver Gain	usrds1CfgRcvGain 1.3.6.1.4.1.429.1.27.1.1.23.slot*1000 + channel	This object is used to configure the amount of Receiver Gain that is applied to the received signal at the CSU. T1 Long Haul: 26 dB	INTEGER 1 = notSupported	

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	dsx1LineType 1.3.6.1.2.1.10.18.6.1.5.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable indicates the variety of DS1 Line implementing this circuit. The type of circuit affects the number of bits per second that the circuit can reasonably carry as well as the interpretation of the usage and error statistics. The values in sequence describe: TITLE: SPECIFICATION: dsx1ESF Extended SuperFrame DS1 dsx1D4 AT&T D4 format DS1 dsx1E1 CCITT Recommendation G.704 (Table 4a) dsx1E1-CRC CCITT Recommendation G.704 (Table 4b) dsxE1-MF G.704 (Table 4a) with TS16 multiframing enabled dsx1E1-CRC-MF G.704 (Table 4b) with TS16 multiframing enabled	INTEGER 1 = other 2 = dsx1ESF 3 = dsx1D4 4 = dsx1E1 5 = dsx1E1-CRC 6 = dsx1E1-MF 7 = dsx1E1-CRC-MF	
	optional read-write in rds1.mib	and 36 dB are allowed. T1 Short Haul: 12 dB is allowed. E1 Long Haul: 43 dB is allowed. E1 Short Haul: 12 dB is allowed.	2 = dB12 3 = dB26 4 = dB36 5 = dB43	
Tone Type	usrds1CfgToneType 1.3.6.1.4.1.429.1.27.1.1.19.slot*1000 + channel optional read-write in rds1.mib	DS1 Tone type (MF/DTMF) - CHT1 only.	INTEGER 1 = notSupported 2 = mf 3 = dtmf	
Number of DTMF Tones	usrds1CfgNumDtmfTones 1.3.6.1.4.1.429.1.27.1.1.20.slot*1000 + channel optional read-write in rds1.mib	DS1 Num. of DTMF tones - CHT1 only.	INTEGER (0...127)	
Send Code	dsx1SendCode 1.3.6.1.2.1.10.18.6.1.7.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable indicates what type of code is being sent across the DS1 interface by the dev- ice. The values mean: dsx1SendNoCode sending looped or normal data dsx1SendLineCode sending a request for a line loopback dsx1SendPayloadCode sending a request for a payload loopback dsx1SendResetCode sending a loopback termination request dsx1SendQRS sending a Quasi-Random Signal (QRS) test pattern dsx1Send511Pattern sending a 511 bit fixed test pattern dsx1Send3in24Pattern sending a fixed test pattern of 3 bits set in 24 dsx1SendOtherTestPattern sending a test pattern other than those described by this object	INTEGER 1 = dsx1SendNoCode 2 = dsx1SendLineCode 3 = dsx1SendPayloadCode 4 = dsx1SendResetCode 5 = dsx1SendQRS 6 = dsx1Send511Pattern 7 = dsx1Send3in24Pattern 8 = dsx1SendOtherTestPattern	

Cause Codes

TCM Name	ASN.1 MIB	Description	Settings	Command
Analog Connection Blocked	usrds1CfgAnlgBlockErrCode 1.3.6.1.4.1.429.1.27.1.1.12.slot*1000 + channel optional read-write in rds1.mib	This is the error code that will be returned to an ISDN switch when analog connections are being blocked.Default = 58.	INTEGER (0...127)	
Digital Connection Blocked	usrds1CfgDgtlBlockErrCode 1.3.6.1.4.1.429.1.27.1.1.13.slot*1000 + channel optional read-write in rds1.mib	This is the error code that will be returned to an ISDN switch when digital connections are being blocked.Default = 58.	INTEGER (0...127)	
No IGWS Available	usrds1CfgNoIgwAvailErCode 1.3.6.1.4.1.429.1.27.1.1.14.slot*1000 + channel optional read-write in rds1.mib	This is the error code that will be returned to an ISDN switch when there are no modems available to accept the requested connection.Default = 58.	INTEGER (0...127)	
Specific B-Channel Blocked	usrds1CfgChanBlockErrCode 1.3.6.1.4.1.429.1.27.1.1.15.slot*1000 + channel optional read-write in rds1.mib	This is the error code that will be returned to an ISDN switch when connections to a specific B channel are being blocked.Default = 58.	INTEGER (0...127)	

Span Line Blocking

TCM Name	ASN.1 MIB	Description	Settings	Command
Block Call Type	usrds1CfgBlockCallType 1.3.6.1.4.1.429.1.27.1.1.16.slot*1000 + channel optional read-write in rds1.mib	This object determines if a PRI span line will block calls of a specific type. This object does not apply to a NAC operating in Rob Bit T1 mode.Default = blockNone(2).	INTEGER 1 = notSupported 2 = blockNone 3 = blockAnalog 4 = blockDigital 5 = blockAll	

Short Haul NIC

TCM Name	ASN.1 MIB	Description	Settings	Command
Short Haul NIC Distance Range	usrds1CfgShrtHaulDist 1.3.6.1.4.1.429.1.27.1.1.17.slot*1000 + channel optional read-write in rds1.mib	Various distance ranges supported by Short Haul NIC Default=len0thru133Ft.	INTEGER 1 = notSupported 2 = len0thru133Ft 3 = len133thru266Ft 4 = len266thru399Ft 5 = len399thru533Ft 6 = len533thru655Ft	

Dial Out Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Timeslot Selection Direction	usrds1CfgDialOutSlctDirct 1.3.6.1.4.1.429.1.27.1.1.21.slot*1000 + channel optional read-write in rds1.mib	This object defines whether DS0 are chosen hunting up or down from the currently defined staring DS0. Default=down.	INTEGER 1 = notSupported 2 = down 3 = up	
Timeslot Selection Starting Point	usrds1CfgDialOutNextDS0 1.3.6.1.4.1.429.1.27.1.1.22.slot*1000 + channel optional read-write in rds1.mib	This object defines the starting DS0s to do dial-out hunting from.	INTEGER (0...33)	
Channelized T1 Profile	usrds1CfgCht1Profile 1.3.6.1.4.1.429.1.27.1.1.24.slot*1000 + channel optional read-write in rds1.mib	The following object is used to configure profile for channelized T1. Following are the profile setting for each available option. Each option is ordered by uds1Cht1Profile	INTEGER 1 = other 2 = eAndMTypeIIFGB 3 = eAndMTypeIIFGD 4 = eAndMTypeIIGeneric 5 = loopStart 6 = groundStart	

Timeslot Mapping and Blocking

TCM Name	ASN.1 MIB	Description	Settings	Command
Timeslot Identification	usrds0CfgDs0Id 1.3.6.1.4.1.429.1.28.1.1.3.slot*1000 + channel optional read-write in rds0.mib	An operator definable string useful for easy identification of a DS0 relative to the user application.	DisplayString SIZE(0...40)	
Block Call Type	usrds0CfgBlockCallType 1.3.6.1.4.1.429.1.28.1.1.4.slot*1000 + channel optional read-write in rds0.mib	An Object that defines the type of calls to be blocked by the specified DS0. A value of blockAll(5) results in all calls to this DS0 being blocked. A value > number of modems is not supported.Default = blockNone(2).	INTEGER 1 = notSupported 2 = blockNone 3 = blockAnalog 4 = blockDigital 5 = blockAll	
Channel Assigned to Timeslot	usrds0CfgDs0AssignedChnl 1.3.6.1.4.1.429.1.28.1.1.5.slot*1000 + channel optional read-write in rds0.mib	Defines which channel of a modem the specified DS0 is restricted to connect with. A value of 33 indicates that this DS0 is not restricted. If a value of 0 is returnedit indicates that this NAC does not support the definition of this object.	INTEGER (0...255)	

Timeslot Service Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Timeslot Service Configuration	usrds0CfgDs0SrvcState 1.3.6.1.4.1.429.1.28.1.1.6.slot*1000 + channel optional read-write in rds0.mib	Defines the service state of a specified DS0. Default = inService(2).	INTEGER 1 = notSupported 2 = inService 3 = localOutOfService 4 = fractionalUnused	

NFAS Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
NFAS Interface ID	usrds1CfgNFASInterfaceId 1.3.6.1.4.1.429.1.27.1.1.28.slot*1000 + channel optional read-write in rds1.mib	This object indicates external (assigned by Telco) interface id. It is one of the entries in the NFAS group table.	INTEGER	
Logical Group Number	usrds1CfgSigGroupNumber 1.3.6.1.4.1.429.1.27.1.1.29.slot*1000 + channel optional read-write in rds1.mib	Indicates NFAS (or SS7) logical group number to be monitored (configured). This variable serves as an index for entering NFAS group table.	INTEGER	
NFAS Span D-Channel Type	usrds1CfgNFASSpanType 1.3.6.1.4.1.429.1.27.1.1.30.slot*1000 + channel optional read-write in rds1.mib	Span type with regard to the D-Channel: Primary Back-up None or FAS (the latter in case if NFAS is not configured). It is one of the entries in the NFAS group table.	INTEGER 1 = dChannelNone 2 = dChannelPrimary 3 = dChannelBackUp	
Logical Group Type	usrds1CfgSigGroupType 1.3.6.1.4.1.429.1.27.1.1.31.slot*1000 + channel optional read-write in rds1.mib	This variable indicates one of the three possible application types: FAS NFAS or FAS. FAS stands for facility associated signaling.	INTEGER 1 = fas 2 = nfas 3 = ss7	

6 HiPer DSP Template-level Parameters

This chapter describes the HiPer DSP template-level parameters applicable to the HiPer DSP 24-channel and HiPer DSP 30-channel NACs.

Actions/Commands

Software Commands

HiPer DSP Template Actions:

- No Command (NF)
- Software Reset (F)
- Save to NVRAM (NF)
- Restore from Default (NF)
- Restore from NVRAM (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	in chs.mib			
uchasCmdResult	uchasCmdResult 1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only in chs.mib	This object contains the result of the most recently requested test or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for saving the results of one command when starting another as could be required if used by multiple managers concurrently.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			75 = invalidRomId 76 = sdlTrigger 77 = downloadingSdlFile 78 = crcTestingSdlFile 79 = queryWorkSpaceSize 80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

Faults

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Incoming Call	hdmTeInConnEstablished 1.3.6.1.4.1.429.1.22.7.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Outgoing Call	hdmTeOutConnEstablished 1.3.6.1.4.1.429.1.22.7.1.1.4.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of an outgoing connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Incoming Termination	hdmTeInConnTerminated 1.3.6.1.4.1.429.1.22.7.1.1.5.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection termination on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Outgoing Termination	hdmTeOutConnTerminated 1.3.6.1.4.1.429.1.22.7.1.1.6.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of an outgoing connection terminated on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Connection Timeout	hdmTeConnLimitExpired 1.3.6.1.4.1.429.1.22.7.1.1.7.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of the expiration of the connection time limit on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On DTE Idle Timeout	hdmTeDteXmitDataIdle 1.3.6.1.4.1.429.1.22.7.1.1.8.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of DTE transmit data idle on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Block Error Count	hdmTeBlerCountAtThresh 1.3.6.1.4.1.429.1.22.7.1.1.9.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of the BLER count at the specified threshold on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

TCM Name	ASN.1 MIB	Description	Settings	Command
On Incoming Call	hdmTeInConnEstablished 1.3.6.1.4.1.429.1.22.7.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Fallback Count	hdmTeFallbkCountAtThresh 1.3.6.1.4.1.429.1.22.7.1.1.10.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of the fallback count at the specified threshold on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
DTE Ring No Answer	hdmTeDteRingNoAns 1.3.6.1.4.1.429.1.22.7.1.1.13.slot*1000.channel optional read-write in hdm.mib	Enables the Dte Ring No Answer trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Incoming Connection Attempt Fail	hdmTeInConnAttemptFail 1.3.6.1.4.1.429.1.22.7.1.1.14.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of an in bound connection attemp failure on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Outgoing Connection Attempt Fail	hdmTeOutConnAttemptFail 1.3.6.1.4.1.429.1.22.7.1.1.15.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of an out bound connection attemp failure on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Modem Event Thresholds

TCM Name	ASN.1 MIB	Description	Settings	Command
DTE Idle Timeout Limit (min)	hdmEtDteIdleThresh 1.3.6.1.4.1.429.1.22.6.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Defines the length of time for the modem to wait before reporting a 'DTE transmit data idle' event. (There must be no activity on the DTE transmit line for the specified quantity of minutes.	INTEGER (0...255)	
Connection Timeout Limit (min.)	hdmEtConnTimeLimit 1.3.6.1.4.1.429.1.22.6.1.1.4.slot*1000.channel mandatory read-write in hdm.mib	Defines the number of minutes that a call may be connected before triggering the 'connect timer limit' event. A value of zero for this limit means that no event is to be detected (ie. no time limit).	INTEGER (0...255)	
Block Errors Limit	hdmEtBlerThresh 1.3.6.1.4.1.429.1.22.6.1.1.5.slot*1000.channel mandatory read-write in hdm.mib	Defines the number of BLERs that will be used to qualify the 'BLER count at threshold' event for a given call.	INTEGER (0...255)	
Fallback Limit	hdmEtFallbackThresh 1.3.6.1.4.1.429.1.22.6.1.1.6.slot*1000.channel mandatory read-write in hdm.mib	Defines the number of fallbacks at which the 'fallback count at threshold' event will be generated for a given call.	INTEGER (0...255)	

Packet Bus Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Active Trap	hdmTePbActive 1.3.6.1.4.1.429.1.22.7.1.1.11.slot*1000.channel optional read-write in hdm.mib	Enables the Packet Bus Active. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Lost Trap	hdmTePbLost 1.3.6.1.4.1.429.1.22.7.1.1.12.slot*1000.channel optional read-write in hdm.mib	Enables the Packet Bus Lost trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Clock Lost Trap	hdmTePBClockLost 1.3.6.1.4.1.429.1.22.7.1.1.16.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of packet bus clock lost	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Clock Restored Trap	hdmTePBClockRestored 1.3.6.1.4.1.429.1.22.7.1.1.17.slot*1000.channel mandatory read-write in hdm.mib	Enables generation of an SNMP trap upon detection of packet bus clock Restored	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Programmed Settings

Line Interface Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Pause Delay (sec) (S8)	hdmLiDialPause 1.3.6.1.4.1.429.1.22.1.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Duration in seconds for the pause(') option in the dial command and the pause between command re-executions(> and A>) Default = 2. Equates to the modem's S8 register.	INTEGER (0...255)	S8
Carrier Detect Delay (* .1 sec) (S9)	hdmLiCarrierRecDelay 1.3.6.1.4.1.429.1.22.1.1.1.4.slot*1000.channel mandatory read-write in hdm.mib	Duration in 10ths of a second that the remote modem's carrier signal must be present before recognition. Ignored at speeds above 2400. Equates to the modem's S9 register. Default=6.	INTEGER (0...255)	S9
Carrier Loss Detect Delay (* .1 sec) (S10)	hdmLiCarrierLoss 1.3.6.1.4.1.429.1.22.1.1.1.5.slot*1000.channel mandatory read-write in hdm.mib	Duration in 10ths of a second the modem waits after loss of carrier before hanging up. This allows the modem to distinguish between a momentary lapse in line quality and a true disconnect. When equal to 255 the modem will remain off hook until DTR drops or an ATH command is recieved. Equates to the modem's S10 register. Default=7.	INTEGER (0...255)	S10
Tone Dial Spacing (ms) (S11)	hdmLiToneDialTiming 1.3.6.1.4.1.429.1.22.1.1.1.6.slot*1000.channel mandatory read-write in hdm.mib	Duration and spacing in milliseconds of dialed Touch Tones. Equates to the modem's S10 register. Default=70.	INTEGER (0...255)	S11
Guard Tone Frequency (&G)	hdmLiGuardTone 1.3.6.1.4.1.429.1.22.1.1.1.7.slot*1000.channel mandatory read-write in hdm.mib	This object is required for modems answering calls that originate from sites outside of North America. The modem's must be operating in either 1200 or 2400 bps and be using the V.32 answer sequence. This object defines what guard tone is used for answering calls. This object equates to the &G register in US Robotics modems. Default=none.	INTEGER 1 = none 2 = european550 3 = uk1800	&G
2100 Hz Answer Tone (V.42) (S27.3)	hdmLiAnswerTone 1.3.6.1.4.1.429.1.22.1.1.1.8.slot*1000.channel mandatory read-write in hdm.mib	Disables the 2100 Hz Answer tone allowing V.42 modems to connect more quickly and/or eliminating problems with older 2400-bps modems that do not recognise this tone. Equates to the modem's S27.3 register. Default=Enabled.	INTEGER 1 = enable 2 = disable	S27.3
Transmit Level (-db)	hdmLiTransmitLevel 1.3.6.1.4.1.429.1.22.1.1.1.9.slot*1000.channel mandatory read-write in hdm.mib	Specifies the signal level of the modem transmitter in negative db.	INTEGER (0...20)	

Data Compression Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Data Compression Mode (&K)	hdmDcDataCompression 1.3.6.1.4.1.429.1.22.2.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Determines when and how data compression is enabled. Corresponds to the &K register in USR modems. Default=autoEnable(2).	INTEGER 1 = none 2 = autoEnable 3 = enable 4 = mnpWoCompression	&K

DTE Interface Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Carriage Return Character (S3)	hdmDiCarriageRetChar 1.3.6.1.4.1.429.1.22.9.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Specifies the decimal equivalent of the carriage return character. Default=13.	INTEGER (0...255)	S3
Line Feed Character (S4)	hdmDiLineFeedChar 1.3.6.1.4.1.429.1.22.9.1.1.4.slot*1000.channel mandatory read-write in hdm.mib	Specifies the decimal equivalent of the line feed character. Default=10.	INTEGER (0...255)	S4
Backspace Character (S5)	hdmDiBackspaceChar 1.3.6.1.4.1.429.1.22.9.1.1.5.slot*1000.channel mandatory read-write in hdm.mib	Specifies the decimal equivalent of the backspace character. Default=8.	INTEGER (0...255)	S5
DTE NVRAM Lock (R&W)	hdmDiDteNvramLock 1.3.6.1.4.1.429.1.22.9.1.1.8.slot*1000.channel mandatory read-write in hdm.mib	When locked prohibits the DTE user from changing any of the NVRAM settings in the modem. Default=unlocked.	INTEGER 1 = disable 2 = enable	
Echo DTE Data (E)	hdmDiCmdLocalEchoEna 1.3.6.1.4.1.429.1.22.9.1.1.6.slot*1000.channel mandatory read-write in hdm.mib	Defines whether or not the characters transmitted by the DTE are echoed back when in command mode. Default=disabled.	INTEGER 1 = disable 2 = enable	E

TCM Name	ASN.1 MIB	Description	Settings	Command
Minimum High-Speed Direction Link Speed (&U)	hdmScLinkRateMin 1.3.6.1.4.1.429.1.22.3.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Determines the Minimum link rate. Default=variable(1).	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666	&U

39 = bps36000
40 = bps38666
41 = bps40000
42 = bps58666
43 = bps60000
44 = bps61333
45 = bps62666

Link Rate Speed Select (&N)	hdmScLinkRateMax 1.3.6.1.4.1.429.1.22.3.1.1.4.slot*1000.channel mandatory read-write in hdm.mib	Determines the Maximum link Rate. Default=variable(1).	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666 39 = bps36000 40 = bps38666 41 = bps40000 42 = bps58666 43 = bps60000	&N

			44 = bps61333 45 = bps62666	
Non-ARQ Transmit Buffer Size (S15.3)	hdmScNonArqBufSize 1.3.6.1.4.1.429.1.22.3.1.1.5.slot*1000.channel mandatory read-write in hdm.mib	Sets the size of the transmit buffer for non-ARQ mode operation to either 128 bytes or 1.5K. The smaller size is for low speed interactive applications the large size is for file transfer. Default=1.5K(1).	INTEGER 1 = bytes1500 2 = bytes128	S15.3
Buffer RX During MNP Negotiation (S37.0)	hdmScNonMnpDataCapture 1.3.6.1.4.1.429.1.22.3.1.1.6.slot*1000.channel mandatory read-write in hdm.mib	Causes received characters to be buffered when the modem is attempting to negotiate an MNP call and the remote modem is not. Default=disabled.	INTEGER 1 = disable 2 = enable	S37.0
V.21 Modulation (S27.0)	hdmScV21Mod 1.3.6.1.4.1.429.1.22.3.1.1.7.slot*1000.channel mandatory read-write in hdm.mib	When enabled the modem will answer both bell 103 and V.21 calls but originates only V.21 calls. Default=disabled.	INTEGER 1 = disable 2 = enable	S27.0
V.32 Unencoded Modulation (S27.1)	hdmScV32UnencodedMod 1.3.6.1.4.1.429.1.22.3.1.1.8.slot*1000.channel mandatory read-write in hdm.mib	Allows unencoded modulation in V.32 mode. Although part of the CCITT V.32 recomendation it is rarely used. Default=disabled.	INTEGER 1 = disable 2 = enable	S27.1
V.32 Modulation (S27.2)	hdmScV32Mod 1.3.6.1.4.1.429.1.22.3.1.1.9.slot*1000.channel mandatory read-write in hdm.mib	Allows V.32 modulation to be disabled on USRobotics Dual Standard modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S27.2
V.32 bis Modulation (S34.0)	hdmScV32Bis 1.3.6.1.4.1.429.1.22.3.1.1.10.slot*1000.channel mandatory read-write in hdm.mib	Allows V.32 bis modulation to be disabled. On USRobotics Dual Standard modems this may be useful in troublshooting HST operation. Default=V.32 bis enabled.	INTEGER 1 = enable 2 = disable	S34.0
V.32 Enhanced Mode (S34.1)	hdmScV32BisEnhance 1.3.6.1.4.1.429.1.22.3.1.1.11.slot*1000.channel mandatory read-write in hdm.mib	Allows USRobotics V.32 Enahnced mode to be disabled for purposes of troubleshooting Default=enabled.	INTEGER 1 = enable 2 = disable	S34.1
V.32 Fast Retrain (S34.2)	hdmScV32QuickRetrain 1.3.6.1.4.1.429.1.22.3.1.1.12.slot*1000.channel mandatory read-write in hdm.mib	Allows the faster retrains that occur with USR's enhanced V.32 mode to be disabled for troubleshooting purposes. Default=enabled.	INTEGER 1 = enable 2 = disable	S34.2
V.23 Call Negotiation (S34.3)	hdmScV23 1.3.6.1.4.1.429.1.22.3.1.1.13.slot*1000.channel mandatory read-write in hdm.mib	Allows the modem to negotiate a V.23 connection(used in U.K.) after failing to negotiate a higher rate. Default=disabled.	INTEGER 1 = disable 2 = enable	S34.3
Fallback Disable	hdmScFallback 1.3.6.1.4.1.429.1.22.3.1.1.14.slot*1000.channel mandatory read-write in hdm.mib	Defines whether or not the modem will be allowed to change protocols it detects a significant change in the line characteristics. If the modem is unable to maintain transmission with the current modulation technique it would fall back to a lower speed and if the line then improved it would upshift to a higher speed. Default=enabled.	INTEGER 1 = enable 2 = disable	
V.32 Terbo Modulation (S34.7)	hdmScV32TerboModeEnable 1.3.6.1.4.1.429.1.22.3.1.1.15.slot*1000.channel	Allows the V32 Terbo mode to be disabled/enabled. Default=enabled.	INTEGER 1 = disable	S34.7

	mandatory read-write in hdm.mib		2 = enable	
V.34 Modulation (S56.6)	hdmScV34ModeEnable 1.3.6.1.4.1.429.1.22.3.1.1.16.slot*1000.channel mandatory read-write in hdm.mib	Allows V34 mode to be disabled/enabled. Default=enabled.	INTEGER 1 = disable 2 = enable	S56.6
V.FC 2400 Symbol Rate (S54.0)	hdmScVFCSymRate2400 1.3.6.1.4.1.429.1.22.3.1.1.17.slot*1000.channel mandatory read-write in hdm.mib	Allows the 2400 symbol rate to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S54.0
V.FC 2743 Symbol Rate (S54.1)	hdmScVFCSymRate2743 1.3.6.1.4.1.429.1.22.3.1.1.18.slot*1000.channel mandatory read-write in hdm.mib	Allows the 2743 symbol rate to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S54.1
V.FC 2800 Symbol Rate (S54.2)	hdmScVFCSymRate2800 1.3.6.1.4.1.429.1.22.3.1.1.19.slot*1000.channel mandatory read-write in hdm.mib	Allows the 2800 symbol rate to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S54.2
V.FC 3000 Symbol Rate (S54.3)	hdmScVFCSymRate3000 1.3.6.1.4.1.429.1.22.3.1.1.20.slot*1000.channel mandatory read-write in hdm.mib	Allows the 3000 symbol rate to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S54.3
V.FC 3200 Symbol Rate (S54.4)	hdmScVFCSymRate3200 1.3.6.1.4.1.429.1.22.3.1.1.21.slot*1000.channel mandatory read-write in hdm.mib	Allows the 3200 symbol rate to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S54.4
V.FC 3429 Symbol Rate (S54.5)	hdmScVFCSymRate3429 1.3.6.1.4.1.429.1.22.3.1.1.22.slot*1000.channel mandatory read-write in hdm.mib	Allows the 3429 symbol rate to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S54.5
V.FC 8S-2D Mapping (S55.0)	hdmScVFC8S2DMapping 1.3.6.1.4.1.429.1.22.3.1.1.23.slot*1000.channel mandatory read-write in hdm.mib	Allows the 8S-2D mapping to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S55.0
V.FC 16S-4D Mapping (S55.1)	hdmScVFC16S4DMapping 1.3.6.1.4.1.429.1.22.3.1.1.24.slot*1000.channel mandatory read-write in hdm.mib	Allows the 16S-4D mapping to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S55.1
V.FC 32S-2D Mapping (S55.2)	hdmScVFC32S2DMapping 1.3.6.1.4.1.429.1.22.3.1.1.25.slot*1000.channel mandatory read-write in hdm.mib	Allows the 32S-2D mapping to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S55.2
V.FC 64S-4D Mapping (S55.3)	hdmScVFC64S4DMapping 1.3.6.1.4.1.429.1.22.3.1.1.26.slot*1000.channel mandatory read-write in hdm.mib	Allows the 64S-4D mapping to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S55.3
V.FC Non-linear Coding	hdmScVFCNonLinearCoding	Allows the non-linear coding to be disabled/enabled on V.FC	INTEGER	S56.0

(S56.0)	1.3.6.1.4.1.429.1.22.3.1.1.27.slot*1000.channel mandatory read-write in hdm.mib	modems. Default=enabled.	1 = enable 2 = disable	
V.FC TX Level Deviation (S56.1)	hdmScVFCTxLevelDeviation 1.3.6.1.4.1.429.1.22.3.1.1.28.slot*1000.channel mandatory read-write in hdm.mib	Allows the TX level deviation to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S56.1
V.FC Pre-emphasis (S56.2)	hdmScVFCPreEmphasis 1.3.6.1.4.1.429.1.22.3.1.1.29.slot*1000.channel mandatory read-write in hdm.mib	Allows the pre-emphasis to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S56.2
V.FC Precoding (S56.3)	hdmScVFCPreCoding 1.3.6.1.4.1.429.1.22.3.1.1.30.slot*1000.channel mandatory read-write in hdm.mib	Allows the precoding to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S56.3
V.FC Shaping (S56.4)	hdmScVFCShaping 1.3.6.1.4.1.429.1.22.3.1.1.31.slot*1000.channel mandatory read-write in hdm.mib	Allows the shaping to be disabled/enabled on V.FC modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S56.4
V.FC Modulation (S56.7)	hdmScVFCModeEnable 1.3.6.1.4.1.429.1.22.3.1.1.32.slot*1000.channel mandatory read-write in hdm.mib	Allows to disable/enable V.FC mode in order to troubleshoot a connection. Default=enabled.	INTEGER 1 = enable 2 = disable	S56.7
V.8 Mode (S54.7)	hdmScV8 1.3.6.1.4.1.429.1.22.3.1.1.33.slot*1000.channel mandatory read-write in hdm.mib	Allow V8 mode to be disabled/enabled. Default=enabled.	INTEGER 1 = enable 2 = disable	S54.7
V.8 Call Indicator (S54.6)	hdmSCV8CallIndicator 1.3.6.1.4.1.429.1.22.3.1.1.34.slot*1000.channel mandatory read-write in hdm.mib	Allow V.8. call indicater to be disabled/enabled. Default=disabled.	INTEGER 1 = enable 2 = disable	S54.6
V.34+ (S56.5)	hdmScV34pModeEnable 1.3.6.1.4.1.429.1.22.3.1.1.35.slot*1000.channel mandatory read-write in hdm.mib	Allows V34 plus modulation mode to be disabled. (default=0/enabled)	INTEGER 1 = enable 2 = disable	S56.5
300 Baud (S48.0)	hdmSc300 1.3.6.1.4.1.429.1.22.3.1.1.53.slot*1000.channel mandatory read-write in hdm.mib	Restrict 300 baud negotiations. Register S48.0 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.0
1200 Baud (S48.1)	hdmSc1200 1.3.6.1.4.1.429.1.22.3.1.1.54.slot*1000.channel mandatory read-write in hdm.mib	Restrict 1200 baud negotiations. Register S48.1 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.1
2400 Baud (S48.2)	hdmSc2400 1.3.6.1.4.1.429.1.22.3.1.1.55.slot*1000.channel mandatory read-write in hdm.mib	Restrict 2400 baud negotiations. Register S48.2 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.2

High Speed (S48.3)	hdmScHighSpeed 1.3.6.1.4.1.429.1.22.3.1.1.56.slot*1000.channel mandatory read-write in hdm.mib	Restrict highspeed baud negotiations. Register S48.3 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.3
V.42 Selective Reject (S51.6)	hdmScSelectiveReject 1.3.6.1.4.1.429.1.22.3.1.1.57.slot*1000.channel mandatory read-write in hdm.mib	Selective Reject register S51.6 is a function of the V.42/LAPM protocol. The default is enable (1)	INTEGER 1 = enable 2 = disable	S51.6

Call Control Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	hdmCcDialDelay 1.3.6.1.4.1.429.1.22.4.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
Carrier Detect Delay (S7)	hdmCcWaitForCarrier 1.3.6.1.4.1.429.1.22.4.1.1.4.slot*1000.channel mandatory read-write in hdm.mib	Defines the number of seconds the modem will wait for a carrier signal after dialing. Default=60.	INTEGER (0...255)	S7
Inactivity Timer (min) (S19)	hdmCcInactivityTimer 1.3.6.1.4.1.429.1.22.4.1.1.5.slot*1000.channel mandatory read-write in hdm.mib	Sets the duration (in seconds) that the modem will maintain a connection when there is no activity on the phone line. The feature is disabled when set to 0. Default=0.	INTEGER (0...255)	S19
Result Codes (Qn)	hdmCcQuietResultCodes 1.3.6.1.4.1.429.1.22.4.1.1.6.slot*1000.channel mandatory read-write in hdm.mib	Determines whether or not the modem transmits result codes to the DTE. Default=noResult(2).	INTEGER 1 = displayResult 2 = noResult 3 = originateOnly	Qn
Verbal/Numeric Result Codes (Vn)	hdmCcResponseMode 1.3.6.1.4.1.429.1.22.4.1.1.7.slot*1000.channel mandatory read-write in hdm.mib	Determines whether the modem transmits result codes in the verbal or numeric mode. Default=verbal(2).	INTEGER 1 = numeric 2 = verbal	Vn
Result Code Groups (X)	hdmCcResultCodeOptions 1.3.6.1.4.1.429.1.22.4.1.1.8.slot*1000.channel mandatory read-write in hdm.mib	Defines one of eight result code subsets and also defines indirectly how the modem reacts to dial tone etc. Equates to the modem's X register Default=1.	INTEGER (0...7)	X
ARQ Result Codes (&A)	hdmCcArqResultCodeMode 1.3.6.1.4.1.429.1.22.4.1.1.9.slot*1000.channel mandatory read-write in hdm.mib	Defines whether or not the ARQ result codes are sent to the DTE on connection(if result codes are enabled). Default=arqResultsEnabled(2).	INTEGER 1 = arqResultsDisabled 2 = arqResultsEnabled 3 = includeHstV32 4 = includeProtocol	&A
Response to +++	hdmCcEscCodeRsp 1.3.6.1.4.1.429.1.22.4.1.1.10.slot*1000.channel mandatory read-write in hdm.mib	Defines the action of the modem in response to the escape code(+++). The default value is determined by the state of Dip switch 2-3 on power up.	INTEGER 1 = goOnHook 2 = enterCommandMode 3 = ignoreEscCode	
AT Command Recognition	hdmCcAtRecognition 1.3.6.1.4.1.429.1.22.4.1.1.11.slot*1000.channel mandatory read-write in hdm.mib	Determines which if any AT commands the modem will recognize or accept from the DTE. Default=enableAll(3).	INTEGER 1 = ignore 2 = queryOnly 3 = enableAll	
V.32 300/600 Hz Tone Times (S28)	hdmCcV32ToneDuration 1.3.6.1.4.1.429.1.22.4.1.1.12.slot*1000.channel mandatory read-write	Specifies the duration (in 10ths of a second) that the modem transmits the 3000/600 Hz answer tones for V.32 handshaking. A setting of 0 eliminates these tones and will result in faster connect	INTEGER (0...255)	S28

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	hdmCcDialDelay 1.3.6.1.4.1.429.1.22.4.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
	in hdm.mib	times for V.21 and V.23 calls. Default=8.		
V.21 to V.23 Fallback Timer (S29)	hdmCcV21V23FallBackTimer 1.3.6.1.4.1.429.1.22.4.1.1.24.slot*1000.channel mandatory read-write in hdm.mib	V21/V23 fallback timer 1/10 sec. NVRAM S Register S29. Default=20	INTEGER (0...255)	S29
Rings for Auto Answer (S0)	hdmCcAutoAnswer 1.3.6.1.4.1.429.1.22.4.1.1.13.slot*1000.channel mandatory read-write in hdm.mib	Determines the number of rings that the modem will answer calls on. When set to 0 the modem can only originate calls. Default=1.	INTEGER (0...255)	S0
Additional Answer Tone Time (S49)	hdmCcAddnlAnswToneDur 1.3.6.1.4.1.429.1.22.4.1.1.25.slot*1000.channel mandatory read-write in hdm.mib	Additional answer tone duration 1/10 sec. NVRAM S Register S49. Default=16.	INTEGER (0...255)	S49
Answer in Originate Mode (S13.1)	hdmCcAnswerInOrigMode 1.3.6.1.4.1.429.1.22.4.1.1.14.slot*1000.channel mandatory read-write in hdm.mib	When enabled the modem will answer calls using the sequence normaly used by the originating modem. Default=disable(1).	INTEGER 1 = disable 2 = enable	S13.1
Billing Delay Timer(S50)	hdmCcBillingDelayPeriod 1.3.6.1.4.1.429.1.22.4.1.1.26.slot*1000.channel mandatory read-write in hdm.mib	Billing Delay Period. 1/50 sec. NVRAM S Register S50. Default=100.	INTEGER (0...255)	S50
Default Phone Number (&Z0)	hdmCcPhoneString0 1.3.6.1.4.1.429.1.22.4.1.1.15.slot*1000.channel mandatory read-write in hdm.mib	Phone number stored in modem's non volitile memory. Useful in providing quick access to frequently called numbers. In addition mdmCcPhoneString0 is used for the dial on power up and dial on DTR options.	DisplayString SIZE(0...36)	&Z0
Stored Phone Number 1 (&Z1)	hdmCcPhoneString1 1.3.6.1.4.1.429.1.22.4.1.1.16.slot*1000.channel mandatory read-write in hdm.mib	Phone number stored in the modem's non volitile memory useful for providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z1
Stored Phone Number 2 (&Z2)	hdmCcPhoneString2 1.3.6.1.4.1.429.1.22.4.1.1.17.slot*1000.channel mandatory read-write in hdm.mib	Phone number stored in the modem's non volitile memory useful in providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z2
Stored Phone Number 3 (&Z3)	hdmCcPhoneString3 1.3.6.1.4.1.429.1.22.4.1.1.18.slot*1000.channel mandatory read-write in hdm.mib	Phone number stored in the modem's non volitile memory useful in providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z3
ARQ Negotiation (&M)	hdmCcErrorCntlMode 1.3.6.1.4.1.429.1.22.4.1.1.19.slot*1000.channel mandatory read-write in hdm.mib	Defines if the modem is operating in synchronous or asynchronous mode and how it responds relative to negotiation of error control on asynchronous connections. When set to the default normalArq(3) the modem attempts to connect with error	INTEGER 1 = none 2 = syncMode 3 = normalArq	&M

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	hdmCcDialDelay 1.3.6.1.4.1.429.1.22.4.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
		control but if unable to negotiate it connects anyway. When set to none(1) async connections do not attempt to use error control. When set to arqOnly(4) the modem will hang up if unable to negotiate error contol. When set to syncMode(2) the modem will not connect asynchronously.	4 = arqOnly 5 = v25bisChar 6 = v25bisBit	
MNP/V.42 @ 1200 bps (S51.0)	hdmCcMnpWith1200 1.3.6.1.4.1.429.1.22.4.1.1.20.slot*1000.channel mandatory read-write in hdm.mib	Determines if the modem will include MNP/V42 negotiation on 1200 bps connections. Default=enable(1).	INTEGER 1 = enable 2 = disable	S51.0
MNP/V.42 @ 2400 bps (S51.1)	hdmCcMnpWith2400 1.3.6.1.4.1.429.1.22.4.1.1.21.slot*1000.channel mandatory read-write in hdm.mib	Determines if the modem will include MNP/V43 negotiation on 2400 bps calls. default=enable(1).	INTEGER 1 = enable 2 = disable	S51.1
MNP/V.42 @ 9600 bps (S51.2)	hdmCcMnpWithV32 1.3.6.1.4.1.429.1.22.4.1.1.22.slot*1000.channel mandatory read-write in hdm.mib	Determines if the modem will include MNP/V42 negotiation on V.32 connections. Default=enable(1).	INTEGER 1 = enable 2 = disable	S51.2
MNP/V.42 Link Request Timeout (sec) (S52)	hdmCcMnpTimeout 1.3.6.1.4.1.429.1.22.4.1.1.23.slot*1000.channel mandatory read-write in hdm.mib	Specifies the MNP/V42 link request timeout for negotiation of 1200 and 2400 bps calls. Default=5.	INTEGER (0...14)	S52
T1 Call Setup (S47.0)	hdmCcT1CallSetupProc 1.3.6.1.4.1.429.1.22.4.1.1.34.slot*1000.channel optional read-write in hdm.mib	Determines T1 call setup procedures used. Choices are 'normal' or 'none'. None assumes a dedicated (leased) DS0 assigned to the modem.Default=normalSetup(1).	INTEGER 1 = normalSetup 2 = noSetup	S47.0
Dial Sequence Tone Encapsulation (S47.2)	hdmCcT1KpStMfTones 1.3.6.1.4.1.429.1.22.4.1.1.35.slot*1000.channel optional read-write in hdm.mib	Determines the usage of KP and ST MF tone encapsulation of the dial sequence.Default=enable(1).	INTEGER 1 = enable 2 = disable	S47.2
Call Init String (S47.3)	hdmCcT1CallInitStrUse 1.3.6.1.4.1.429.1.22.4.1.1.36.slot*1000.channel optional read-write in hdm.mib	Determines if calling init strings are used or not.Default=enable(1).	INTEGER 1 = enable 2 = disable	S47.3
ANI/DNIS Call Init Strings (S47.4)	hdmCcT1CallInitStrBase 1.3.6.1.4.1.429.1.22.4.1.1.37.slot*1000.channel optional read-write in hdm.mib	Determines if the calling init strings are based upon DNIS or ANI.Default=dnisBase(1).	INTEGER 1 = dnisBase 2 = aniBase	S47.4
ANI-Based Incoming Call Digits (S62)	hdmCcT1DialInAniDig 1.3.6.1.4.1.429.1.22.4.1.1.38.slot*1000.channel optional read-write in hdm.mib	Sets the number of ANI digits allowed in incoming calls. Default = 0.	INTEGER (0...12)	S62

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	hdmCcDialDelay 1.3.6.1.4.1.429.1.22.4.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
DNIS-Based Incoming Call Digits (S63)	hdmCcT1DialInDnisDig 1.3.6.1.4.1.429.1.22.4.1.1.39.slot*1000.channel optional read-write in hdm.mib	Sets the number of DNIS/DID digits allowed in incoming calls. Default = 0.	INTEGER (0...12)	S63
V.42bis Compression over V.120	hdmCcEnableV120v42Bis 1.3.6.1.4.1.429.1.22.4.1.1.42.slot*1000.channel mandatory read-write in hdm.mib	V.42bis Compression over V.120.	INTEGER 1 = disable 2 = enable	

Modem Error Control Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP Level 3 Error Correction (S13.6)	hdmEcMnp3Dis 1.3.6.1.4.1.429.1.22.5.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	Determines if the modem will negotiate for MNP level 3 error correction. Default=enable.	INTEGER 1 = enable 2 = disable	S13.6
MNP Level 4 Error Correction (S15.4)	hdmEcMnp4Dis 1.3.6.1.4.1.429.1.22.5.1.1.4.slot*1000.channel mandatory read-write in hdm.mib	Determines if the modem will negotiate for MNP level 4 error correction. Default=enable.	INTEGER 1 = enable 2 = disable	S15.4
Special 2400bps MNP (S15.6)	hdmEcMnpUnusual 1.3.6.1.4.1.429.1.22.5.1.1.5.slot*1000.channel mandatory read-write in hdm.mib	Determines if the modem will attempt to negotiate for MNP operation used in some early 2400bps modems. Default=disable.	INTEGER 1 = disable 2 = enable	S15.6
V.42/MNP Negotiation Method (S27.4-5)	hdmEcV42MnpHandshake 1.3.6.1.4.1.429.1.22.5.1.1.6.slot*1000.channel mandatory read-write in hdm.mib	Determines what types of error correction the modem will attempt to negotiate. When configured for the default full V.42 and MNP the modem first tries to connect with V42 error control and then with MNP error control. When set to disable either V42 or MNP the modem will only attempt to negotiate the enabled protocol. When set to disable the V42 detect phase it is not included in the handshaking process. This allows for faster connections between V42 modems.	INTEGER 1 = enableAll 2 = enableV42disableMnp 3 = disablev42enablemnp 4 = disableDetectionPhase	S27.4-5

DNIS Access Codes

TCM Name	ASN.1 MIB	Description	Settings	Command
DNIS Group 1	hdmCcCarrierAccessCode1 1.3.6.1.4.1.429.1.22.4.1.1.27.slot*1000.channel optional read-write in hdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits (e.g. 9501755). This is the 1st of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 1	hdmCcCallingInitStr1 1.3.6.1.4.1.429.1.22.4.1.1.30.slot*1000.channel optional read-write in hdm.mib	This is the Carrier Access Code (CAC) initialization string. This string is a configuration string of 1 to 30 characters (e.g. &F &F&B1&R1 etc.) This string does NOT include the AT attention prefix. This is the 1st of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Group 2	hdmCcCarrierAccessCode2 1.3.6.1.4.1.429.1.22.4.1.1.28.slot*1000.channel optional read-write in hdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits. This is the 2nd of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 2	hdmCcCallingInitStr2 1.3.6.1.4.1.429.1.22.4.1.1.31.slot*1000.channel optional read-write in hdm.mib	This is the Carrier Access Code (CAC) initialization string. This string is 1 to 30 characters. It does NOT include the AT attention prefix. It is the 2nd of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Group 3	hdmCcCarrierAccessCode3 1.3.6.1.4.1.429.1.22.4.1.1.29.slot*1000.channel optional read-write in hdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits. This is the 3rd of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 3	hdmCcCallingInitStr3 1.3.6.1.4.1.429.1.22.4.1.1.32.slot*1000.channel optional read-write in hdm.mib	This is the Carrier Access Code (CAC) initialization string. This is a string of 1 to 30 characters. It does NOT include the AT attention prefix. This is the 3rd of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Default String	hdmCcCallingInitStr4 1.3.6.1.4.1.429.1.22.4.1.1.33.slot*1000.channel optional read-write in hdm.mib	This is the Carrier Access Code (CAC) initialization string. This is a string of 1 to 30 characters. It does NOT include the AT attention prefix. This is the 4th of 4 CAC init strings.	DisplayString SIZE(0...40)	

x2/V.90 Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Low-speed Direction Minimum Speed (S74)	hdmScX2LowerSpeedMin 1.3.6.1.4.1.429.1.22.3.1.1.36.slot*1000.channel mandatory read-write in hdm.mib	Lower speed direction minimum speed Default=variable(1)	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666	S74

39 = bps36000
40 = bps38666
41 = bps40000
42 = bps58666
43 = bps60000
44 = bps61333
45 = bps62666

Low-speed Channel Maximum Speed (S75)	hdmScX2LowerSpeedMax 1.3.6.1.4.1.429.1.22.3.1.1.37.slot*1000.channel mandatory read-write in hdm.mib	Lower speed direction maximum speed Default=variable(1)	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666 39 = bps36000 40 = bps38666 41 = bps40000 42 = bps58666 43 = bps60000	S75

			44 = bps61333 45 = bps62666	
x2 Client Mode (S76.0)	hdmScX2DisableClient 1.3.6.1.4.1.429.1.22.3.1.1.38.slot*1000.channel mandatory read-write in hdm.mib	X2 Client Mode Disable Default=enable.	INTEGER 1 = enable 2 = disable	S76.0
x2 Server Mode (S76.1)	hdmScX2DisableServer 1.3.6.1.4.1.429.1.22.3.1.1.39.slot*1000.channel mandatory read-write in hdm.mib	X2 Server Mode Disable Default=enable.	INTEGER 1 = enable 2 = disable	S76.1
x2 Symmetric Mode (S76.2)	hdmScX2DlsableSymmetric 1.3.6.1.4.1.429.1.22.3.1.1.40.slot*1000.channel mandatory read-write in hdm.mib	X2 Symmetric Mode Disable Default=enable.	INTEGER 1 = enable 2 = disable	S76.2
x2 High-power Constellation (S76.7)	hdmScHighPowerConst 1.3.6.1.4.1.429.1.22.3.1.1.58.slot*1000.channel mandatory read-write in hdm.mib	This object is used to enable/disable the X2 high-power constellation. This object is only valid in countries where it is legal. It corresponds to S Register 76.7 Default = Disable(1).	INTEGER 1 = disable 2 = enable	S76.7
V.90 All Digital Mode (S81.6)	hdmScV90AllDigital 1.3.6.1.4.1.429.1.22.3.1.1.61.slot*1000.channel mandatory read-write in hdm.mib	This object is used to enable/disable the V.90 symmetric modulation (DDPCM). Default= enable(1).	INTEGER 1 = enable 2 = disable	S81.6
V.90 Analogue Mode (S81.4)	hdmScV90Analogue 1.3.6.1.4.1.429.1.22.3.1.1.59.slot*1000.channel mandatory read-write in hdm.mib	This object is used to enable/disable the V.90 client (APCM) modulation. Default= enable(1).	INTEGER 1 = enable 2 = disable	S81.4
V.90 Digital Mode (S81.5)	hdmScV90Digital 1.3.6.1.4.1.429.1.22.3.1.1.60.slot*1000.channel mandatory read-write in hdm.mib	This object is used to enable/disable the V.90 server modulation (DPCM). Default= enable(1).	INTEGER 1 = enable 2 = disable	S81.5

ISDN Modem Call Control Options

TCM Name	ASN.1 MIB	Description	Settings	Command
V110 Rate Adaption (S67.0)	hdmlCcRateAdapV110 1.3.6.1.4.1.429.1.22.10.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	This object enables V110 rate adaption corresponds to S register S67 bit 0. Default = enabled(2)	INTEGER 1 = disable 2 = enable	S67.0
Force Fixed Network Rate (S67.1)	hdmlCcFixedNtwkRate 1.3.6.1.4.1.429.1.22.10.1.1.4.slot*1000.channel mandatory read-write in hdm.mib	This object sets the fixed network rate. This object correspond to S register S67 bit 1. Default = notForced(1)	INTEGER 1 = notForced 2 = forceNetworkRate	S67.1
Force Network Rate Speed (S67.2)	hdmlCcNetworkRate 1.3.6.1.4.1.429.1.22.10.1.1.5.slot*1000.channel mandatory read-write in hdm.mib	This object sets the Network rate speed. This object corresponds to the modem S register S67 bit 2. Default = kbps56(1)	INTEGER 1 = kbps56 2 = kbps64	S67.2
Enable 45-65 Second Link Delay (S67.4)	hdmlCcBcLinkDly 1.3.6.1.4.1.429.1.22.10.1.1.6.slot*1000.channel mandatory read-write in hdm.mib	This object enable a 45 - 65 second link delay. This object corresponds to the S register S67 bit 4. Default = noDelay(1)	INTEGER 1 = noDelay 2 = delay	S67.4
Analog Calls Over Digital (S68.0)	hdmlCcDisAnlgOvrDig 1.3.6.1.4.1.429.1.22.10.1.1.7.slot*1000.channel mandatory read-write in hdm.mib	This object is used to set S register S68 bit 0 which does not allow analog calls over digital data connection. Default = enable(1)	INTEGER 1 = enable 2 = disable	S68.0
Async PPP/Sync PPP Conversion (S68.4)	hdmlCcDisAsyncPPP 1.3.6.1.4.1.429.1.22.10.1.1.8.slot*1000.channel mandatory read-write in hdm.mib	This object is used to disable/enable async PPP/ sync PPP conversion. This object corresponds to S register S68 bit 4. Default = enable(1)	INTEGER 1 = enable 2 = disable	S68.4
X.75 (S68.5)	hdmlCcDisX75 1.3.6.1.4.1.429.1.22.10.1.1.9.slot*1000.channel mandatory read-write in hdm.mib	This object is used to disable/enable X75. This object corresponds to S register S68 bit 5. Default = enable(1)	INTEGER 1 = enable 2 = disable	S68.5
Set Data Mode of Modem (*V2=x)	hdmlCcStarV2 1.3.6.1.4.1.429.1.22.10.1.1.10.slot*1000.channel mandatory read-write in hdm.mib	This object is used to set the data mode of the modem and is equivalent to *V2 = x AT command. Default = autodetect(1)	INTEGER 1 = autodetect 2 = v120rateAdapOnly 3 = v110rateAdapOnly 4 = modemOrFaxOnly 5 = clearChannelSync 6 = asyncSyncPPPconv 7 = x75	*V2=x
Set Originate HDLC Protocol (*U1=x)	hdmlCcStarU1 1.3.6.1.4.1.429.1.22.10.1.1.11.slot*1000.channel mandatory read-write in hdm.mib	This object is used to set the originate HDLC protocols of the modem and is equivalent to *U1 = x AT command. Default = v120(2)	INTEGER 1 = none 2 = v120 3 = x75	*U1=x

TCM Name	ASN.1 MIB	Description	Settings	Command
V110 Rate Adaption (S67.0)	hdmlCcRateAdapV110 1.3.6.1.4.1.429.1.22.10.1.1.3.slot*1000.channel mandatory read-write in hdm.mib	This object enables V110 rate adaption corresponds to S register S67 bit 0. Default = enabled(2)	INTEGER 1 = disable 2 = enable	S67.0
			4 = ppp	
Set Originate Non-HDLC Protocol (*U2=x)	hdmlCcStarU2 1.3.6.1.4.1.429.1.22.10.1.1.12.slot*1000.channel mandatory read-write in hdm.mib	This object is used to set the originate Non-HDLC protocols of the modem and is equivalent to *U2 = x AT command. Default = none(1)	INTEGER 1 = none 2 = v110	*U2=x
Set Originate Analog Modem/Fax Data Mode (*U3=x)	hdmlCcStarU3 1.3.6.1.4.1.429.1.22.10.1.1.13.slot*1000.channel mandatory read-write in hdm.mib	This object is used to set the originate Analog modem/fax data mode of the modem and is equivalent to *U3 = x AT command. Default = analogModemFax(2)	INTEGER 1 = none 2 = analogModemFax	*U3=x
V120 (S68.6)	hdmlCcV120 1.3.6.1.4.1.429.1.22.10.1.1.14.slot*1000.channel mandatory read-write in hdm.mib	This object is used to Enable/Disable V120. This object corresponds to S register 68 bit 4. Default=enable(1).	INTEGER 1 = enable 2 = disable	S68.6
X75 Frame Size	hdmlCcFrameSize 1.3.6.1.4.1.429.1.22.10.1.1.15.slot*1000.channel mandatory read-write in hdm.mib	This object is used to set the frame size for X75. Default = 2048.	INTEGER (1...2048)	
X75 Window Size	hdmlCcWindowSize 1.3.6.1.4.1.429.1.22.10.1.1.16.slot*1000.channel mandatory read-write in hdm.mib	This object is used to set the window size of X75. Default=2.	INTEGER (1...7)	

7 ISDN DIRECT GATEWAY NETSERVER CARD-LEVEL PARAMETERS

This chapter describes the ISDN Direct Gateway card-level parameters applicable to NACs operating with these software applications:

- T1 Direct Gateway Token Ring ISDN NetServer
- T1 Direct Gateway upgrade for the Token Ring ISDN NetServer

Actions/Commands

Software Commands

ISDN Direct Gateway Card Actions:

- Hardware No Command (NF)
- Remove from Service (NF)
- Restore to Service (NF)
- Hardware Reset (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write in chs.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uchasCmdResult	uchasCmdResult	This object contains the result of the most recently requested test	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only in chs.mib	or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for saving the results of one command when starting another as could be required if used by multiple managers concurrently.	1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId 76 = sdlTrigger	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			77 = downloadingSdlFile 78 = crcTestingSdlFile 79 = queryWorkSpaceSize 80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

AutoResponse Events

ISDN Direct Gateway Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Configure Module from NMC NVRAM
- Configure Module from NMC Factory Defaults
- Remove Module from Service
- Restore Module to Service
- Test Module
- Reset Module
- Busy-Out Module's Analog Phone Lines
- Restore Module's Analog Phone Lines
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Re-initialized	uchasArModuleReinit 1.3.6.1.4.1.429.1.1.9.9.1.3.slot optional read-write in chs.mib	This script is triggered when the following occur: chassis power transitions from off to on; a module is inserted in the chassis; software download has just been completed to a module; a module is restored to service; or a module is reset (hardware).	OCTET STRING SIZE(0...40)	
Module Removed	uchasArModuleRemoved 1.3.6.1.4.1.429.1.1.9.9.1.4.slot optional read-write in chs.mib	This script is triggered when a module is physically removed from the chassis.	OCTET STRING SIZE(0...40)	
Module Non-operational	uchasArModuleNonoper 1.3.6.1.4.1.429.1.1.9.9.1.5.slot	This script is triggered when the following occur: software download to a module has just been started; a module is removed	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
	optional read-write in chs.mib	from service; or a module has failed (i.e. all entities on that module have failed).		
Module Watchdog Time-out	uchasArModuleWatchdog 1.3.6.1.4.1.429.1.1.9.9.1.6.slot optional read-write in chs.mib	This script is triggered when one or more module entities experience a watchdog time-out.	OCTET STRING SIZE(0...40)	

Packet Bus Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Active Session Trap	pbTrapEnaSessActive 1.3.6.1.4.1.429.1.12.3.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	An object which enables or disables the Active Session trap.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Congestion Trap	pbTrapEnaPktBusCongest 1.3.6.1.4.1.429.1.12.3.1.1.4.slot*1000 + channel mandatory read-write in pb.mib	An object to enable or disable the Packet Bus Congestion trap. The Packet Bus Congestion trap is generated when a valid packet bus session is in progress but either the Modem or the Gateway packet bus driver is experiencing congestion problem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Session Lost Trap	pbTrapEnaPktBusSessLost 1.3.6.1.4.1.429.1.12.3.1.1.5.slot*1000 + channel mandatory read-write in pb.mib	An object to enable or disable the trap that is generated when a valid Packet Bus session has been lost.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Session Inactive Trap	pbTrapEnaSessionInactive 1.3.6.1.4.1.429.1.12.3.1.1.6.slot*1000 + channel mandatory read-write in pb.mib	An object to enable or disable a trap which is generated when a request is made to change a packet bus session from the active to inactive state.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Session Error Trap	pbTrapEnaSessionError 1.3.6.1.4.1.429.1.12.3.1.1.7.slot*1000 + channel mandatory read-write in pb.mib	An object which enables or disables the packet bus session error trap.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Packet Bus Clock Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Clock Loss Trap	pbdgCfgClockLossEvent 1.3.6.1.4.1.429.1.14.2.1.1.3.slot*1000 + channel mandatory read-write in pbdg.mib	This object is used to disable the ability for a NAC to report when the packet bus clock has been lost. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Clock Restored Trap	pbdgCfgClockRestoreEvent 1.3.6.1.4.1.429.1.14.2.1.1.4.slot*1000 + channel mandatory read-write in pbdg.mib	This object is used to disable the ability for a NAC to report when the packet bus clock has been restored. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Gateway Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Network Failed Trap	gwTegwNetworkFailed 1.3.6.1.4.1.429.1.18.1.1.1.2.slot*1000 + channel mandatory read-write in gw.mib	Enable generation of an SNMP trap upon detection of an network failure of the specified gateway.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Network Restored Trap	gwTegwNetworkRestored 1.3.6.1.4.1.429.1.18.1.1.1.3.slot*1000 + channel mandatory read-write in gw.mib	Enable generation of an SNMP trap upon detection of an network restore of the specified gateway.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Packet Bus Datagrams

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Datagrams sent	pbdgDatagramSentPkts 1.3.6.1.4.1.429.1.14.1.1.1.2.slot*1000 + channel mandatory read-only in pbdg.mib	This object contains the number of packet bus datagrams sent by this entity.	Counter	
Packet Bus Datagrams received	pbdgDatagramRcvdPkts 1.3.6.1.4.1.429.1.14.1.1.1.3.slot*1000 + channel mandatory read-only in pbdg.mib	This object contains the number of packet bus datagrams received by this entity.	Counter	
Packet Bus Timeouts	pbdgDatagramBusTimeOuts 1.3.6.1.4.1.429.1.14.1.1.1.4.slot*1000 + channel mandatory read-only in pbdg.mib	This object contains the number of packet bus timeouts experienced by this entity.	Counter	
Packet Bus Error Status	pbdgDatagramErrorStatus 1.3.6.1.4.1.429.1.14.1.1.1.5.slot*1000 + channel mandatory read-only in pbdg.mib	This object reflects the current error status of this entity.	INTEGER 1 = noError 2 = invalidParm 3 = socketNotOpened 4 = noMoreSocket 9 = ackWaitTimeout 10 = hwNakRcvd 11 = otherBusError 14 = noMemory 15 = nullPointer 17 = notInitialized 18 = failedToRecv 19 = invalidMsgType 22 = socketClosed 27 = noResponse 29 = noDataToTx 30 = txPreAck 31 = txTardyAck 32 = txBusTimeOut 33 = rxBusTimeOut 34 = txTAL 35 = rxTAL 36 = txMasterTimeOut 37 = clkVanished	

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Datagrams sent	pbdgDatagramSentPkts 1.3.6.1.4.1.429.1.14.1.1.1.2.slot*1000 + channel mandatory read-only in pbdg.mib	This object contains the number of packet bus datagrams sent by this entity.	Counter	
			38 = clkReturned 39 = shutdown 40 = frameError 41 = xlDTimeOut 45 = invalidAckMeRtnMarker 46 = invalidFragmentOffset 47 = maxRxMsgLengthExceeded	
Packet Bus Clock Status	pbdgDatagramClockStatus 1.3.6.1.4.1.429.1.14.1.1.1.6.slot*1000 + channel mandatory read-only in pbdg.mib	This object defines the current status of the packet bus clock.	INTEGER 1 = notSupported 2 = clockMaster 3 = clockSlave 4 = noClockPresent	

Packet Bus Sessions

TCM Name	ASN.1 MIB	Description	Settings	Command
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
Session Status	pbSessionStatus 1.3.6.1.4.1.429.1.12.2.1.1.7.slot*1000 + channel mandatory read-only in pb.mib	Displays the current status of the packet bus session. A status of Unassigned coupled with a state of used indicates that a packet bus failure has occured.	INTEGER 1 = unassigned 2 = assigned 3 = connected	
Last Packet Communication Type	pbSessionLastRequest 1.3.6.1.4.1.429.1.12.2.1.1.9.slot*1000 + channel optional read-only in pb.mib	Indicates the type of communications contained in the last packet sent to the destination entity.	INTEGER 1 = unknown 2 = open 3 = close 4 = listen 5 = dial 6 = disconnect 7 = transmit 8 = receive 9 = setMode 10 = query 11 = flush 12 = kill 13 = reserve 14 = answer 15 = attach	
Session TX Packet Count	pbSessionPktSents 1.3.6.1.4.1.429.1.12.2.1.1.10.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been sent.	Counter	
Session RX Packet Count	pbSessionPktRcvds 1.3.6.1.4.1.429.1.12.2.1.1.11.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been received.	Counter	
Session Packet Size	pbSessionPktSize 1.3.6.1.4.1.429.1.12.2.1.1.12.slot*1000 + channel mandatory read-only in pb.mib	A number that indicates the packet size of the current or last established session.	INTEGER	
Session Packet Timeout Count	pbSessionBusTimeOuts 1.3.6.1.4.1.429.1.12.2.1.1.13.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packet bus timeout that have occurred.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
Session Error Status	pbSessionErrorStatus 1.3.6.1.4.1.429.1.12.2.1.1.14.slot*1000 + channel mandatory read-only in pb.mib	Error return status from last packet command.	INTEGER 1 = noError 2 = invalidParm 3 = socketNotOpened 4 = noMoreSocket 5 = connectionExist 6 = connectionFailed 7 = noMoreConnObj 8 = noActiveConn 9 = ackWaitTimeout 10 = hwNakRcvd 11 = otherBusError 12 = linkStartRcvd 13 = outOfSeqFrame 14 = noMemory 15 = nullPointer 16 = invalidBlock 17 = notInitialized 18 = failedToRecv 19 = invalidMsgType 20 = exceedMaxSends 21 = connectionReset 22 = socketClosed 23 = uiReqPending 24 = heartbeatTimeout 25 = remoteBusy 26 = localBusy 27 = noResponse 28 = linkdownNoTx 29 = noDataToTx 30 = txPreAck 31 = txTardyAck 32 = txBusTimeOut 33 = rxBusTimeOut 34 = txTAL 35 = rxTAL 36 = txMasterTimeOut 37 = clkVanished 38 = clkReturned	

TCM Name	ASN.1 MIB	Description	Settings	Command
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
			39 = shutdown 40 = frameError 41 = xlDTimeOut 42 = recvLSinInfoTransferState 43 = recvlFrameWithWrongSeq 44 = rxMsgBufferOverflow 45 = linkDown 46 = listenFailed 47 = listenRcvFailed 48 = dtrDrop 49 = answerFailed 50 = openFailed 51 = closeFailed 52 = readFailed 53 = writeFailed 54 = autoParityFailed 55 = setmodeFailed 56 = badDataBase 57 = padStreamsError 58 = padError	

ISDN Direct Gateway Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Serial Number	uchasSlotModuleSerialNumber 1.3.6.1.4.1.429.1.1.1.1.1.6.slot mandatory read-only in chs.mib	The serial number of the module present in the slot. If the slot is empty this value will be a zero length string.	DisplayString SIZE(0...31)	
Hardware Revision	uchasSlotModuleVersion 1.3.6.1.4.1.429.1.1.1.1.1.5.slot mandatory read-only in chs.mib	A textual description of the version/revision level for this module's hardware.	DisplayString SIZE(0...124)	
Software Version	uchasEntityVersion 1.3.6.1.4.1.429.1.1.2.1.1.4.slot*1000 + channel mandatory read-only in chs.mib	A textual description of the version/revision level for this entity's software.	DisplayString SIZE(0...124)	
Operational Status	uchasEntityOperStatus 1.3.6.1.4.1.429.1.1.2.1.1.5.slot*1000 + channel mandatory read-only in chs.mib	Provides operational status of the entity for which this row corresponds.	INTEGER 1 = other 2 = outOfService 3 = testing 4 = operational 5 = failed 6 = loading 7 = inLoopBackTest	
DIP Switch Settings	uchasSlotSwitchSettings 1.3.6.1.4.1.429.1.1.1.1.1.11.slot mandatory read-only in chs.mib	This represents the DIP switch settings on the NAC. It is a bitmapped integer.	INTEGER	
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	

Packet Bus Sessions

TCM Name	ASN.1 MIB	Description	Settings	Command
Slot Session Assignment	pbSessionDestSlot 1.3.6.1.4.1.429.1.12.2.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies the slot of the entity in the chassis to which a packet bus session has been assigned.	INTEGER (1...64)	
Channel Sessions Assignment	pbSessionDestChan 1.3.6.1.4.1.429.1.12.2.1.1.4.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies a particular entity in a slot.	INTEGER (1...255)	
Availability for Packet Bus Session	pbSessionRowState 1.3.6.1.4.1.429.1.12.2.1.1.6.slot*1000 + channel mandatory read-write in pb.mib	Set availability for this row of packet bus session. Default=free(1).	INTEGER 1 = free 2 = used	
Session Request Status	pbSessionReqStatus 1.3.6.1.4.1.429.1.12.2.1.1.8.slot*1000 + channel mandatory read-write in pb.mib	Used to assign or delete a session between the entities specified by the table indecies. A request connect is a issue of packet bus session link start and a request disconnect is a issue of packet bus session link terminate. Default=disconnected(1).	INTEGER 1 = disconnected 2 = connected	
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
Session Status	pbSessionStatus 1.3.6.1.4.1.429.1.12.2.1.1.7.slot*1000 + channel mandatory read-only in pb.mib	Displays the current status of the packet bus session. A status of Unassigned coupled with a state of used indicates that a packet bus failure has occured.	INTEGER 1 = unassigned 2 = assigned 3 = connected	
Last Packet Communication Type	pbSessionLastRequest 1.3.6.1.4.1.429.1.12.2.1.1.9.slot*1000 + channel optional read-only in pb.mib	Indicates the type of communications contained in the last packet sent to the destination entity.	INTEGER 1 = unknown 2 = open 3 = close 4 = listen 5 = dial 6 = disconnect 7 = transmit 8 = receive 9 = setMode 10 = query 11 = flush 12 = kill 13 = reserve 14 = answer 15 = attach	

TCM Name	ASN.1 MIB	Description	Settings	Command
Slot Session Assignment	pbSessionDestSlot 1.3.6.1.4.1.429.1.12.2.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies the slot of the entity in the chassis to which a packet bus session has been assigned.	INTEGER (1...64)	
Session TX Packet Count	pbSessionPktSents 1.3.6.1.4.1.429.1.12.2.1.1.10.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been sent.	Counter	
Session RX Packet Count	pbSessionPktRcvds 1.3.6.1.4.1.429.1.12.2.1.1.11.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been received.	Counter	
Session Packet Size	pbSessionPktSize 1.3.6.1.4.1.429.1.12.2.1.1.12.slot*1000 + channel mandatory read-only in pb.mib	A number that indicates the packet size of the current or last established session.	INTEGER	
Session Packet Timeout Count	pbSessionBusTimeOuts 1.3.6.1.4.1.429.1.12.2.1.1.13.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packet bus timeout that have occurred.	Counter	
Session Error Status	pbSessionErrorStatus 1.3.6.1.4.1.429.1.12.2.1.1.14.slot*1000 + channel mandatory read-only in pb.mib	Error return status from last packet command.	INTEGER 1 = noError 2 = invalidParm 3 = socketNotOpened 4 = noMoreSocket 5 = connectionExist 6 = connectionFailed 7 = noMoreConnObj 8 = noActiveConn 9 = ackWaitTimeout 10 = hwNakRcvd 11 = otherBusError 12 = linkStartRcvd 13 = outOfSeqFrame 14 = noMemory 15 = nullPointer 16 = invalidBlock 17 = notInitialized 18 = failedToRecv 19 = invalidMsgType 20 = exceedMaxSends 21 = connectionReset 22 = socketClosed 23 = uiReqPending	

TCM Name	ASN.1 MIB	Description	Settings	Command
Slot Session Assignment	pbSessionDestSlot 1.3.6.1.4.1.429.1.12.2.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies the slot of the entity in the chassis to which a packet bus session has been assigned.	INTEGER (1...64)	
			24 = heartbeatTimeout 25 = remoteBusy 26 = localBusy 27 = noResponse 28 = linkdownNoTx 29 = noDataToTx 30 = txPreAck 31 = txTardyAck 32 = txBusTimeOut 33 = rxBusTimeOut 34 = txTAL 35 = rxTAL 36 = txMasterTimeOut 37 = clkVanished 38 = clkReturned 39 = shutdown 40 = frameError 41 = xlDTimeOut 42 = recvLSinInfoTransferState 43 = recvlFrameWithWrongSeq 44 = rxMsgBufferOverflow 45 = linkDown 46 = listenFailed 47 = listenRcvFailed 48 = dtrDrop 49 = answerFailed 50 = openFailed 51 = closeFailed 52 = readFailed 53 = writeFailed 54 = autoParityFailed 55 = setmodeFailed 56 = badDataBase 57 = padStreamsError 58 = padError	

Packet Bus Group

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Clock Master	pbdgCfgMasterClock 1.3.6.1.4.1.429.1.14.2.1.1.2.slot*1000 + channel mandatory read-write in pbdg.mib	This object is used to disable the ability for a NAC to act as packet bus clock master.Default =enable(2).	INTEGER 1 = notSupported 2 = enable 3 = disable	

8 MODEM CARD-LEVEL PARAMETERS

This chapter describes the modem card-level parameters applicable to NACs operating with these software applications:

- Dual Modem
  - V32 Modem
- Dual-Sided Quad V.34 Analog
  - V34 Fax Modem
- Dual-Sided Quad V.34 Analog/Digital
  - V34 Fax Modem
- Dual-Sided Quad V.34 Digital
  - V34 Fax Modem
- Modem Pool V.34 Modem
  - V34 Fax Modem
- Quad Analog V.32
  - V32 Terbo Fax Modem
  - V32 Terbo Modem
- Quad Analog V.34
  - V34 Fax Modem
- Quad Analog/Digital V.32
  - V32 Terbo Fax Modem
  - V32 Terbo Modem
- Quad Analog/Digital V.34
  - V34 Fax Modem
- Quad Digital V.32
  - V32 Terbo Fax Modem
  - V32 Terbo Modem
- Quad Digital V.34
  - V34 Fax Modem
- Quad Modem
  - V32 Modem

Actions/Commands

Hardware Commands

Modem Card Actions:

- No Command (NF)
- Remove from Service (F)
- Restore to Service (NF)
- Hardware Reset (F)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write in chs.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uchasCmdResult	uchasCmdResult	This object contains the result of the most recently requested test	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only in chs.mib	or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for saving the results of one command when starting another as could be required if used by multiple managers concurrently.	1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId 76 = sdlTrigger	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			77 = downloadingSdlFile 78 = crcTestingSdlFile 79 = queryWorkSpaceSize 80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

AutoResponse Events

Modem Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Configure Module from NMC NVRAM
- Configure Module from NMC Factory Defaults
- Remove Module from Service
- Restore Module to Service
- Test Module
- Reset Module
- Busy-Out Module's Analog Phone Lines
- Restore Module's Analog Phone Lines
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Re-initialized	uchasArModuleReinit 1.3.6.1.4.1.429.1.1.9.9.1.3.slot optional read-write in chs.mib	This script is triggered when the following occur: chassis power transitions from off to on; a module is inserted in the chassis; software download has just been completed to a module; a module is restored to service; or a module is reset (hardware).	OCTET STRING SIZE(0...40)	
Module Removed	uchasArModuleRemoved 1.3.6.1.4.1.429.1.1.9.9.1.4.slot optional read-write in chs.mib	This script is triggered when a module is physically removed from the chassis.	OCTET STRING SIZE(0...40)	
Module Non-operational	uchasArModuleNonoper 1.3.6.1.4.1.429.1.1.9.9.1.5.slot	This script is triggered when the following occur: software download to a module has just been started; a module is removed	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
	optional read-write in chs.mib	from service; or a module has failed (i.e. all entities on that module have failed).		
Module Watchdog Time-out	uchasArModuleWatchdog 1.3.6.1.4.1.429.1.1.9.9.1.6.slot optional read-write in chs.mib	This script is triggered when one or more module entities experience a watchdog time-out.	OCTET STRING SIZE(0...40)	

Added Cost Features

TCM Name	ASN.1 MIB	Description	Settings	Command
PIAFS	uchasSlotStatFeEna 1.3.6.1.4.1.429.1.1.1.1.1.8.slot optional read-only in chs.mib	This object can be read to determine what options have been enabled in the NACs. It uses individual bits to represent the enable status of the features which are NAC specific. **Bit Mask:** 0x80	INTEGER 0 = Disabled 1 = Enabled	

9 MODEM CHANNEL-LEVEL PARAMETERS

This chapter describes the modem channel-level parameters applicable to NACs operating with these software applications:

- Dual Modem
  - V32 Modem
- Dual-Sided Quad V.34 Analog
  - V34 Fax Modem
- Dual-Sided Quad V.34 Analog/Digital
  - V34 Fax Modem
- Dual-Sided Quad V.34 Digital
  - V34 Fax Modem
- Modem Pool V.34 Modem
  - V34 Fax Modem
- Quad Analog V.32
  - V32 Terbo Fax Modem
  - V32 Terbo Modem
- Quad Analog V.34
  - V34 Fax Modem
- Quad Analog/Digital V.32
  - V32 Terbo Fax Modem
  - V32 Terbo Modem
- Quad Analog/Digital V.34
  - V34 Fax Modem
- Quad Digital V.32
  - V32 Terbo Fax Modem
  - V32 Terbo Modem
- Quad Digital V.34
  - V34 Fax Modem
- Quad Modem
  - V32 Modem

Actions/Commands

Software Commands

Modem Channel-level Actions:

- No Command (NF)
- Software Reset (F)
- Save to NVRAM (NF)
- Restore from Default (NF)
- Restore from NVRAM (NF)
- Off Hook (NF)
- On Hook (NF)
- HW Flow Control Def. (NF)
- SW Flow Control Def. (NF)
- MNP10 Cellular Def. (NF)
- V.42 Cellular Mobile Def. (NF)
- V.42 Cellular Fixed Def. (NF)
- Hard Busy /AT Disable (NF)
- Soft Busy /AT Disable (NF)
- Restore Line/AT (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdMgtStationId	mdmCdMgtStationId 1.3.6.1.4.1.429.1.6.12.1.1.2 mandatory read-write in mdm.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
mdmCdReqId	mdmCdReqId 1.3.6.1.4.1.429.1.6.12.1.1.3 mandatory read-write in mdm.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the most recent command or test on this modem. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	
mdmCdFunction	mdmCdFunction 1.3.6.1.4.1.429.1.6.12.1.1.4 mandatory read-write in mdm.mib	This object contains a value that describes the command that is being invoked.	INTEGER 1 = noCommand 2 = softwareReset 3 = storeToNvram 4 = restoreFromDflt 5 = restoreFromNvram	

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdMgtStationId	mdmCdMgtStationId 1.3.6.1.4.1.429.1.6.12.1.1.2 mandatory read-write in mdm.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			6 = offHook 7 = onHook 8 = sndTone 9 = rcvTone 10 = endTest 11 = rspndrTest105 12 = rspndrTest102 13 = lclAnlgLpbk 14 = lclDgtlLpbk 15 = rmtDgtlLpbk 16 = selfTest 17 = testRam 18 = testRom 19 = testNVRAM 20 = v54LclAnlgLpbk 21 = v54RmtDgtlLpbk 22 = idlePhoneLine 23 = loadHwFlowDflt 24 = loadSwFlowDflt 25 = loadMnp10CllulrDflt 26 = loadV42CllulrMblDflt 27 = loadV42CllulrFxdDflt 33 = hardBusyAtDisable 34 = softBusyAtDisable 35 = restoreLineAt	
mdmCdForce	mdmCdForce 1.3.6.1.4.1.429.1.6.12.1.1.5 mandatory read-write in mdm.mib	In certain cases the modem may be in a state where certain commands could adversely affect connectiuons. In such cases a command request with this object not present or set to noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent request to cause the command to be carried out regardless of the potetialy hazzerdous effect.	INTEGER 1 = force 2 = noForce	
mdmCdParam	mdmCdParam 1.3.6.1.4.1.429.1.6.12.1.1.6 mandatory read-write in mdm.mib	This object can contain parameters that are specific to the particualar command being issued.	OCTET STRING SIZE(0...24)	

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdMgtStationId	mdmCdMgtStationId 1.3.6.1.4.1.429.1.6.12.1.1.2 mandatory read-write in mdm.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
mdmCdResult	mdmCdResult 1.3.6.1.4.1.429.1.6.12.1.1.7 mandatory read-only in mdm.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
mdmCdCode	mdmCdCode 1.3.6.1.4.1.429.1.6.12.1.1.8 mandatory read-only in mdm.mib	The value of this object indicates a further description of what went wrong when a command fails.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 13 = notConnected 14 = connected 17 = onLine 20 = unsupportedCommand 22 = deviceDisabled 24 = deviceInTestMode 25 = testFailed 31 = deviceInSecurityMode 51 = noRTS 52 = noDTR 53 = wrongLoopbackSpeed 54 = noLoopbackInARQ 73 = pendingSoftwareDownload 89 = invalidFrequency 90 = noLoopCurrent 91 = noDialTone 92 = noLineDetected	

AutoResponse Events

Modem Channel Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Reconfigure from NVRAM
- Reconfigure from Modem Factory Defaults
- Test Modem
- Test Analog NIC
- Test Analog Phone Line
- Restore Analog Phone Line
- Busy out DS0 - T1 Slot (N) Span (N) Channel (N)
- Restore DS0 - T1 Slot (N) Span (N) Channel (N)
- Modem Software Reset
- Terminate Connection
- Busy Out Analog Phone Line
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)
- Remove DS0 Slot(N) Span(N) Channel(N)
- Restore DS0 Slot(N) Span(N) Channel(N)
- BlockAnalog calls on DS0 Slot(N)Span(N)Channel(N)
- Block Digital calls on DS0 Slot(N)Span(N)Chann(N)
- Block All Calls on DS0 Slot(N)Span(N)Channel(N)
- Block No Calls on DS0 Slot (N) Span (N) Channel(N)
- Off Hook

TCM Name	ASN.1 MIB	Description	Settings	Command
Incoming Connection Established	mdmArIncomConnectEstab 1.3.6.1.4.1.429.1.6.16.1.1.2.slot*1000 + channel	This script is triggered when a Total Control WAN HUB modem establishes a connection with a remote modem. The remote	OCTET STRING SIZE(0...40)	

Incoming Connection Established	mdmArIncomConnectEstab 1.3.6.1.4.1.429.1.6.16.1.1.2.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem establishes a connection with a remote modem. The remote modem is the caller.	OCTET STRING SIZE(0...40)
Outgoing Connection Established	mdmArOutgoConnectEstab 1.3.6.1.4.1.429.1.6.16.1.1.3.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem establishes a connection with a remote modem. The Total Control WAN HUB modem is the caller.	OCTET STRING SIZE(0...40)
Incoming Connection Terminated	mdmArIncomConnectTerm 1.3.6.1.4.1.429.1.6.16.1.1.4.slot*1000 + channel optional read-write in mdm.mib	This script is triggered after a remote modem has called a Total Control WAN HUB modem but the connection between them terminated for some reason.	OCTET STRING SIZE(0...40)
Outgoing Connection Terminated	mdmArOutgoConnectTerm 1.3.6.1.4.1.429.1.6.16.1.1.5.slot*1000 + channel optional read-write in mdm.mib	This script is triggered after a Total Control WAN HUB modem called a remote modem but the connection between them terminated for some reason.	OCTET STRING SIZE(0...40)
Connection Attempt Failed	mdmArConnectAttemptFail 1.3.6.1.4.1.429.1.6.16.1.1.6.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem fails to connect with a remote modem for an incoming or an outgoing call.	OCTET STRING SIZE(0...40)
Connection Time Limit Expired	mdmArConnectTimeExpire 1.3.6.1.4.1.429.1.6.16.1.1.7.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a connection duration exceeds the user defined connection time limit.	OCTET STRING SIZE(0...40)
Reset By DTE	mdmArResetByDte 1.3.6.1.4.1.429.1.6.16.1.1.8.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a modem has been reset by a DTE.	OCTET STRING SIZE(0...40)
DTE Transmit Idle	mdmArDteXmitIdle 1.3.6.1.4.1.429.1.6.16.1.1.9.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a modem's DTE remains idle for specified amount of minutes that is defined by a user.	OCTET STRING SIZE(0...40)
Block Error Count at Threshold	mdmArBlersAtThresh 1.3.6.1.4.1.429.1.6.16.1.1.10.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem receives a certain amount of block errors. This amount can be configured by a user.	OCTET STRING SIZE(0...40)
Fallback Count at Threshold	mdmArFbacksAtThresh 1.3.6.1.4.1.429.1.6.16.1.1.11.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem reaches a certain amount of fall backs within a single session. This amount can be configured by a user.	OCTET STRING SIZE(0...40)
Dial Out Login Failure	mdmArDialOutLoginFail 1.3.6.1.4.1.429.1.6.16.1.1.12.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial out from a Total Control WAN HUB modem that supports dial security enters an invalid response to a prompt.	OCTET STRING SIZE(0...40)
Dial Out Restricted Number	mdmArDialOutRestrNum 1.3.6.1.4.1.429.1.6.16.1.1.13.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial out from a Total Control WAN HUB modem that supports dial security uses a restricted number.	OCTET STRING SIZE(0...40)
Dial In Login Failure	mdmArDialInLoginFail	This script is triggered when a user who is attempting to dial in	OCTET STRING SIZE(0...40)

TCM Name	ASN.1 MIB	Description	Settings	Command
Incoming Connection Established	mdmArIncomConnectEstab 1.3.6.1.4.1.429.1.6.16.1.1.2.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem establishes a connection with a remote modem. The remote modem is the caller.	OCTET STRING SIZE(0...40)	
	1.3.6.1.4.1.429.1.6.16.1.1.14.slot*1000 + channel optional read-write in mdm.mib	from a remote modem in to a Total Control WAN HUB modem that supports dial security enters an invalid response to a prompt.		
Dial Back Restricted Number	mdmArDialBackRestrNum 1.3.6.1.4.1.429.1.6.16.1.1.15.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial in from a remote modem in to a Total Control WAN HUB modem that supports dial security requests the Total Control WAN HUB modem to dial back to a restricted number.	OCTET STRING SIZE(0...40)	
Dial Back Using Restricted Modem	mdmArDialBackRestModem 1.3.6.1.4.1.429.1.6.16.1.1.16.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial in from a remote modem in to a Total Control WAN HUB modem that supports dial security requests the Total Control WAN HUB modem to dial back using a restricted Total Control WAN HUB modem.	OCTET STRING SIZE(0...40)	
Login Attempt Limit Exceeded	mdmArLoginAttemptsExceed 1.3.6.1.4.1.429.1.6.16.1.1.17.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is dialing in to or out of the Total Control WAN HUB modem exceeds the number of correct user name/password response attempts.	OCTET STRING SIZE(0...40)	
User Blacklisted	mdmArUserBlacklisted 1.3.6.1.4.1.429.1.6.16.1.1.18.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is dialing in to or out of the Total Control WAN HUB modem exceeds the number of password prompt retries. At this point the user becomes black listed.	OCTET STRING SIZE(0...40)	
Attempted Login by Blacklisted User	mdmArAttmpLoginByBlistUsr 1.3.6.1.4.1.429.1.6.16.1.1.19.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who has been black listed is trying to dial in to or out of a Total Control WAN HUB modem.	OCTET STRING SIZE(0...40)	
Response Attempt Limit Exceeded	mdmArRspAttemptLimExceed 1.3.6.1.4.1.429.1.6.16.1.1.20.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is dialing in to or out of a Total Control WAN HUB modem exceeds the number of security prompt retries during a single dial security session.	OCTET STRING SIZE(0...40)	
Modem Watchdog Reset	mdmArWatchdog 1.3.6.1.4.1.429.1.6.16.1.1.21.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a software failure has occurred on a modem.	OCTET STRING SIZE(0...40)	
Management Bus Failure	mdmArMgtBusFailure 1.3.6.1.4.1.429.1.6.16.1.1.22.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a contact with a modem via the management bus has been lost.	OCTET STRING SIZE(0...40)	
DTR True	mdmArDtrTrue 1.3.6.1.4.1.429.1.6.16.1.1.23.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a modem's DTE transitions it DTR line from low to high and holds it high for the specified number of seconds. This amount is user configurable.	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Incoming Connection Established	mdmArIncomConnectEstab 1.3.6.1.4.1.429.1.6.16.1.1.2.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem establishes a connection with a remote modem. The remote modem is the caller.	OCTET STRING SIZE(0...40)	
DTR False	mdmArDtrFalse 1.3.6.1.4.1.429.1.6.16.1.1.24.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a modem's DTE transitions it DTR line from high to low and holds it low for the specified number of seconds. This amount is user configurable.	OCTET STRING SIZE(0...40)	
Modem Ring No Answer	mdmArMdmRingNoAnswer 1.3.6.1.4.1.429.1.6.16.1.1.25.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem configured for auto answer fails to answer an incoming call within a specified number of rings. This amount is user configurable.	OCTET STRING SIZE(0...40)	
DTE Ring No Answer	mdmArDteRingNoAnswer 1.3.6.1.4.1.429.1.6.16.1.1.26.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a DTE fials to raise DTR in response to an incoming call for a specified amount of rings. This amount is user configurable.	OCTET STRING SIZE(0...40)	
No Dial Tone	mdmArNoDialTone 1.3.6.1.4.1.429.1.6.16.1.1.27.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem goes off hook but detects an inadequate dial tone level on an analog phone line.	OCTET STRING SIZE(0...40)	
No Loop Current Detected	mdmArNoLoopCurrent 1.3.6.1.4.1.429.1.6.16.1.1.28.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem goes off hook but it does not detect the presence of loop current on an analog phone line.	OCTET STRING SIZE(0...40)	
Global Timer 1 Expired	mdmArTimer1 1.3.6.1.4.1.429.1.6.16.1.1.29.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when the first general purpose timer expires.	OCTET STRING SIZE(0...40)	
Global Timer 2 Expired	mdmArTimer2 1.3.6.1.4.1.429.1.6.16.1.1.30.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when the second general purpose timer expires.	OCTET STRING SIZE(0...40)	
Global Timer 3 Expired	mdmArTimer3 1.3.6.1.4.1.429.1.6.16.1.1.31.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when the third general purpose timer expires.	OCTET STRING SIZE(0...40)	
Global Timer 4 Expired	mdmArTimer4 1.3.6.1.4.1.429.1.6.16.1.1.32.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when the fourth general purpose timer expires.	OCTET STRING SIZE(0...40)	
Packet Bus Active	mdmArPacketBusActive 1.3.6.1.4.1.429.1.6.16.1.1.33.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a packet bus active event is detected by the modem.	OCTET STRING SIZE(0...40)	
Packet Bus Lost	mdmArPacketBusLost 1.3.6.1.4.1.429.1.6.16.1.1.34.slot*1000 + channel	This script is triggered when a packet bus lost event is detected by	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Incoming Connection Established	mdmArIncomConnectEstab 1.3.6.1.4.1.429.1.6.16.1.1.2.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem establishes a connection with a remote modem. The remote modem is the caller.	OCTET STRING SIZE(0...40)	
	optional read-write in mdm.mib	the modem.		

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Incoming Call	mdmTeInConnEstablished 1.3.6.1.4.1.429.1.6.13.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Outgoing Call	mdmTeOutConnEstablished 1.3.6.1.4.1.429.1.6.13.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an outgoing connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Incoming Termination	mdmTeInConnTerminated 1.3.6.1.4.1.429.1.6.13.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection termination on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Outgoing Termination	mdmTeOutConnTerminated 1.3.6.1.4.1.429.1.6.13.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an outgoing connection terminated on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Connection Failure	mdmTeConnAttemptFailure 1.3.6.1.4.1.429.1.6.13.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of a connection attemp failure on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Connection Timeout	mdmTeConnLimitExpired 1.3.6.1.4.1.429.1.6.13.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of the expiration of the connection time limit on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On DTE Idle Timeout	mdmTeDteXmitDataIdle 1.3.6.1.4.1.429.1.6.13.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of DTE transmit data idle on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

TCM Name	ASN.1 MIB	Description	Settings	Command
On Incoming Call	mdmTeInConnEstablished 1.3.6.1.4.1.429.1.6.13.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On DTR True	mdmTeDtrTrue 1.3.6.1.4.1.429.1.6.13.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of DTR going true on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On DTR False	mdmTeDtrFalse 1.3.6.1.4.1.429.1.6.13.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of DTR going false on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Block Error Count	mdmTeBlerCountAtThresh 1.3.6.1.4.1.429.1.6.13.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of the BLER count at the specified threshold on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Fallback Count	mdmTeFallbkCountAtThresh 1.3.6.1.4.1.429.1.6.13.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of the fallback count at the specified threshold on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Missing Dial Tone	mdmTeNoDialTone 1.3.6.1.4.1.429.1.6.13.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of no dial tone on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Missing Loop Current	mdmTeNoLoopCurrent 1.3.6.1.4.1.429.1.6.13.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of no loop current on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On DTE Issued Reset	mdmTeResetByDTE 1.3.6.1.4.1.429.1.6.13.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of reset by DTE on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Dial Out Call Duration	mdmTeDialOutCallDur 1.3.6.1.4.1.429.1.6.13.1.1.16.slot*1000 + channel	Enables the dial out (from the NMC) call duration trap. Default = disable(2).	INTEGER 1 = enableTrap	

TCM Name	ASN.1 MIB	Description	Settings	Command
On Incoming Call	mdmTeInConnEstablished 1.3.6.1.4.1.429.1.6.13.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
	mandatory read-write in mdm.mib		2 = disableAll 3 = enableLog 4 = enableAll	
Dial In Call Duration	mdmTeDialInCallDur 1.3.6.1.4.1.429.1.6.13.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Enables the dial in (to the NMC) call duration trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
DTE Ring No Answer	mdmTeDteRingNoAns 1.3.6.1.4.1.429.1.6.13.1.1.20.slot*1000 + channel optional read-write in mdm.mib	Enables the Dte Ring No Answer trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Modem Event Thresholds

TCM Name	ASN.1 MIB	Description	Settings	Command
DTE Idle Timeout Limit (min)	mdmEtDteIdleThresh 1.3.6.1.4.1.429.1.6.11.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the length of time for the modem to wait before reporting a 'DTE transmit data idle' event. (There must be no activity on the DTE transmit line for the specified quantity of minutes.	INTEGER (0...255)	
Connection Timeout Limit (min.)	mdmEtConnTimeLimit 1.3.6.1.4.1.429.1.6.11.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of minutes that a call may be connected before triggering the 'connect timer limit' event. A value of zero for this limit means that no event is to be detected (ie. no time limit).	INTEGER (0...255)	
DTR False Event Timeout (sec)	mdmEtDtrFalseThresh 1.3.6.1.4.1.429.1.6.11.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Defines the quantity of seconds that will be used by the modem to qualify a 'DTR False' event.	INTEGER (0...255)	
DTR True Time Limit (sec)	mdmEtDtrTrueThresh 1.3.6.1.4.1.429.1.6.11.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Defines the quantity of seconds that the modem will use to qualify a 'DTR True' event.	INTEGER (0...255)	
Block Errors Limit	mdmEtBlerThresh 1.3.6.1.4.1.429.1.6.11.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of BLERs that will be used to qualify the 'BLER count at threshold' event for a given call.	INTEGER (0...255)	
Fallback Limit	mdmEtFallbackThresh 1.3.6.1.4.1.429.1.6.11.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of fallbacks at which the 'fallback count at threshold' event will be generated for a given call.	INTEGER (0...255)	

Packet Bus Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Active Trap	mdmTePbActive 1.3.6.1.4.1.429.1.6.13.1.1.18.slot*1000 + channel optional read-write in mdm.mib	Enables the Packet Bus Active. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Lost Trap	mdmTePbLost 1.3.6.1.4.1.429.1.6.13.1.1.19.slot*1000 + channel optional read-write in mdm.mib	Enables the Packet Bus Lost trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Clock Lost Trap	mdmTePbClockLossEvent 1.3.6.1.4.1.429.1.6.13.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to disable the ability for a NAC to report when the packet bus clock has been lost. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Clock Restored Trap	mdmTePbClockRestoreEvent 1.3.6.1.4.1.429.1.6.13.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to disable the ability for a NAC to report when the packet bus clock has been restored. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Incoming Connections Failed	mdmTeInConnAttemptFail 1.3.6.1.4.1.429.1.6.13.1.1.23.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of a SNMP trap upon detection of an inbound connection attempt failure on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Outgoing Connections Failed	mdmTeOutConnAttemptFail 1.3.6.1.4.1.429.1.6.13.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of a SNMP trap upon detection of an outbound connection attempt failure on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Remote Modem Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Retrain Trap	rmdmTeRetrainEv 1.3.6.1.4.1.429.1.20.4.1.1.2.slot*1000 + channel mandatory read-write in rmdm.mib	This object is used to enables/disable the ability for the NAC to report a RMMIE retrain event.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Speed Shift Trap	rmdmTeSpeedShiftEv 1.3.6.1.4.1.429.1.20.4.1.1.3.slot*1000 + channel mandatory read-write in rmdm.mib	This object is used to enables/disable the ability for the NAC to report a RMMIE speed shift event.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Last Dialed Phone Number	mdmCsLastNumberDialedOut 1.3.6.1.4.1.429.1.6.9.1.1.3.slot*1000 + channel mandatory read-only in mdm.mib	An ASCII string which represents the last phone number dialed by the modem.	DisplayString SIZE(0...40)	
Last Number Dialed In (DNIS)	mdmCsLastNumberDialedIn 1.3.6.1.4.1.429.1.6.9.1.1.4.slot*1000 + channel	An ASCII string representing the last number dialed in(if known). This is the 950-xxx (DNIS) number.	DisplayString SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib			
Number of Last Caller (ANI)	mdmCsLastCallingPartyNum 1.3.6.1.4.1.429.1.6.9.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	An ASCII string representing the current or last party that called this modem. Only known in ANI applications.	DisplayString SIZE(0...40)	
Type of Last Call	mdmCsSyncAsyncModeUsed 1.3.6.1.4.1.429.1.6.9.1.1.15.slot*1000 + channel mandatory read-only in mdm.mib	Defines whether the current or last call was synchronous or asynchronous.	INTEGER 1 = asynchronous 2 = synchronous	
Mode of Last Call	mdmCsOriginateAnswer 1.3.6.1.4.1.429.1.6.9.1.1.6.slot*1000 + channel mandatory read-only	Defines whether the last or current call was originated or answered.	INTEGER 1 = originateInOriginate 2 = originateInAnswer	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	in mdm.mib		3 = answerInOriginate 4 = answerInAnswer	
Number of Rings before DTR	mdmCsRings 1.3.6.1.4.1.429.1.6.9.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	Defines the quantity of rings detected before the DTE answered with DTR on the last incomming call.	INTEGER	
Reason for Call Termination	mdmCsDisconnectReason 1.3.6.1.4.1.429.1.6.9.1.1.8.slot*1000 + channel mandatory read-only in mdm.mib	Defines the reason that the last call was terminated.	INTEGER 1 = dtrDrop 2 = escapeSequence 3 = athCommand 4 = carrierLoss 5 = inactivityTimout 6 = mnpIncompatible	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			7 = undefined 8 = remotePassword 9 = linkPassword 10 = retransmitLimit 11 = linkDisconnectMsgReceived 12 = noLoopCurrent 13 = invalidSpeed 14 = unableToRetrain 15 = managementCommand 16 = noDialTone 17 = keyAbort	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			18 = lineBusy 19 = noAnswer 20 = voice 21 = noAnswerTone 22 = noCarrier 23 = undetermined 24 = v42SabmeTimeout 25 = v42BreakTimeout 26 = v42DisconnectCmd 27 = v42IdExchangeFail 28 = v42BadSetup 29 = v42InvalidCodeWord	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			30 = v42StringToLong 31 = v42InvalidCommand 32 = none 33 = v32Cleardown 34 = dialSecurity 35 = remoteAccessDenied 36 = loopLoss 37 = ds0Teardown 38 = promptNotEnabled 39 = noPromptingInSync 40 = nonArqMode 41 = modeIncompatible	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			42 = noPromptInNonARQ 43 = dialBackLink 44 = linkAbort 45 = autopassFailed 46 = pbGenericError 47 = pbLinkErrTxPreAck 48 = pbLinkErrTxTardyACK 49 = pbTransmitBusTimeout 50 = pbReceiveBusTimeout 51 = pbLinkErrTxTAL 52 = pbLinkErrRxTAL 53 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			pbTransmitMasterTimeout 54 = pbClockMissing 55 = pbReceivedLsWhileLinkUp 56 = pbOutOfSequenceFrame 57 = pbBadFrame 58 = pbAckWaitTimeout 59 = pbReceivedAckSequenceErr 60 = pbReceiveOvrflwRNRFailed 61 = pbReceiveMsgBufOvrflw	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			62 = rcvdGatewayDiscCmd 63 = tokenPassingTimeout 64 = dspInterruptTimeout 65 = mnpProtocolViolation 66 = class2FaxHangupCmd 67 = hstSpeedSwitchTimeout 68 = tooManyUnacked 69 = timerExpired 70 = t1Glare 71 = priDialoutRqTimeout 72 = abortAnlgDstOvrlsdn 73 = normalUserCallClear	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			74 = normalUnspecified 75 = bearerIncompatibility 76 = protocolErrorEvent 77 = abnormalDisconnect 78 = invalidCauseValue 79 = resourceUnavailable 80 = remotHungUpDuringTraining 81 = trainingTimeout 82 = incomingModemNotAvailable 83 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			incomingInvalidBearerCap 84 = incomingInvalidChannelID 85 = incomingInvalidProgInd 86 = incomingInvalidCallingPty 87 = incomingInvalidCalledPty 88 = incomingCallBlock 89 = incomingLoopStNoRingOff 90 = outgoingTelcoDisconnect 91 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			outgoingEMWinkTimeout 92 = outgoingEMWinkTooShort 93 = outgoingNoChannelAvail 94 = dspReboot 95 = noDSPRespToKA 96 = noDSPRespToDisc 97 = dspTailPtrInvalid 98 = dspHeadPtrInvalid 99 = dataProcessingGenericErr 100 = timeslotUnavailable 101 = gmtTimeNotSet	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			102 = chasAwarenessNotAvailable 103 = r2InvalidChannelDirection 104 = r2ChannelBlockedByNetwork 105 = r2Glare 106 = r2OutgoingCallBlocked 107 = r2DNISNotFound 108 = r2SigCauseCongestion 109 = r2SigCauseUnallocNumber	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			110 = r2DSPFatalError 111 = callBlacklisted	
Reason for Call Failure	mdmCsConnectFailReason 1.3.6.1.4.1.429.1.6.9.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	Defines the reason for failure if indeed the last call attempt failed.	INTEGER 1 = dtrDrop 2 = escapeSequence 3 = athCommand 4 = carrierLoss 5 = inactivityTimout 6 = mnpIncompatible 7 = undefined 8 = remotePassword 9 = linkPassword	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			10 = retransmitLimit 11 = linkDisconnectMsgReceived 12 = noLoopCurrent 13 = invalidSpeed 14 = unableToRetrain 15 = managementCommand 16 = noDialTone 17 = keyAbort 18 = lineBusy 19 = noAnswer 20 = voice	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			21 = noAnswerTone 22 = noCarrier 23 = undetermined 24 = v42SabmeTimeout 25 = v42BreakTimeout 26 = v42DisconnectCmd 27 = v42IdExchangeFail 28 = v42BadSetup 29 = v42InvalidCodeWord 30 = v42StringToLong 31 = v42InvalidCommand 32 = none	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			33 = v32Cleardown 34 = dialSecurity 35 = remoteAccessDenied 36 = loopLoss 37 = ds0Teardown 38 = promptNotEnabled 39 = noPromptingInSync 40 = nonArqMode 41 = modeIncompatible 42 = noPromptInNonARQ 43 = dialBackLink 44 = linkAbort	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			45 = autopassFailed 46 = pbGenericError 47 = pbLinkErrTxPreAck 48 = pbLinkErrTxTardyACK 49 = pbTransmitBusTimeout 50 = pbReceiveBusTimeout 51 = pbLinkErrTxTAL 52 = pbLinkErrRxTAL 53 = pbTransmitMasterTimeout 54 = pbClockMissing 55 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			pbReceivedLsWhileLinkUp 56 = pbOutOfSequenceFrame 57 = pbBadFrame 58 = pbAckWaitTimeout 59 = pbReceivedAckSequenceErr 60 = pbReceiveOvrflwRNRFailed 61 = pbReceiveMsgBufOvrflw 62 = rcvdGatewayDiscCmd 63 = tokenPassingTimeout 64 = dspInterruptTimeout	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			65 = mnpProtocolViolation 66 = class2FaxHangupCmd 67 = hstSpeedSwitchTimeout 68 = tooManyUnacked 69 = timerExpired 70 = t1Glare 71 = priDialoutRqTimeout 72 = abortAnlgDstOvrlsdn 73 = normalUserCallClear 74 = normalUnspecified 75 = bearerIncompatibility 76 = protocolErrorEvent	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			77 = abnormalDisconnect 78 = invalidCauseValue 79 = resourceUnavailable 80 = remotHungUpDuringTraining 81 = trainingTimeout 82 = incomingModemNotAvailable 83 = incomingInvalidBearerCap 84 = incomingInvalidChannelID	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			85 = incomingInvalidProgInd 86 = incomingInvalidCallingPty 87 = incomingInvalidCalledPty 88 = incomingCallBlock 89 = incomingLoopStNoRingOff 90 = outgoingTelcoDisconnect 91 = outgoingEMWinkTimeout 92 = outgoingEMWinkTooShort	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			93 = outgoingNoChannelAvail 94 = dspReboot 95 = noDSPRespToKA 96 = noDSPRespToDisc 97 = dspTailPtrInvalid 98 = dspHeadPtrInvalid 99 = dataProcessingGenericErr 100 = timeslotUnavailable 101 = gmtTimeNotSet 102 = chasAwarenessNotAvailable 103 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			r2InvalidChannelDirection 104 = r2ChannelBlockedByNetwork 105 = r2Glare 106 = r2OutgoingCallBlocked 107 = r2DNISNotFound 108 = r2SigCauseCongestion 109 = r2SigCauseUnallocNumber 110 = r2DSPFatalError 111 = callBlacklisted	
Transmit speed the	mdmCsInitialTxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.10.slot*1000 + channel	The transmit speed at which the modem initialy connected on it's	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
modem connected	mandatory read-only in mdm.mib	last or current call.	1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Receive speed the modem connected	mdmCsInitialRxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.11.slot*1000 + channel mandatory read-only in mdm.mib	The receive speed at which the modem initialy connected on it's previous or current call.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Current transmit link rate	mdmCsFinalTxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.12.slot*1000 + channel	The current transmit link rate of a connection or the last link rate	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	of the last connection.	1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Current receive link rate	mdmCsFinalRxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.13.slot*1000 + channel mandatory read-only in mdm.mib	The current receive link rate of a connection or the last link rate of the last connection.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Modulation Type Used	mdmCsModulationType 1.3.6.1.4.1.429.1.6.9.1.1.14.slot*1000 + channel	Specifies the current/final modulation type of the current or last	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	call. The value can be different from the object mdmCslnitModulationType only for X2/V.90 calls.	1 = usRoboticsHST 2 = ccittV32 3 = ccittV22bis 4 = bell103 5 = ccittV21 6 = bell212 7 = ccittV32bis 8 = ccittV23 9 = noConnection 10 = bell208b 11 = v21FaxClass1 12 = v27FaxClass1	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			13 = v29FaxClass1 14 = v17FaxClass1 15 = v21FaxClass2 16 = v27FaxClass2 17 = v29FaxClass2 18 = v17FaxClass2 19 = v32Terbo 20 = v34 21 = vFC 22 = v34plus 23 = x2server 24 = v110	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			25 = v120 26 = x75 27 = asyncSyncPPP 28 = clearChannel 29 = x2client 30 = x2symmetric 31 = piafs 32 = x2version2 33 = v90Analogue 34 = v90Digital 35 = v90AllDigital	
Error Control Type Used	mdmCsErrorControlType 1.3.6.1.4.1.429.1.6.9.1.1.16.slot*1000 + channel	Specifies the Error control settings in the current or last call. (short	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	form)	1 = none 2 = mnpLevel3 3 = mnpLevel4 4 = ccittV42 5 = usRoboticsHST 6 = synchronousNone 7 = mnpLevel2 8 = mnp10 9 = v42Etc 10 = mnp10Ec 11 = lapmEc 12 = v42Etc2	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			13 = ccittV42SREJ 14 = piafs 15 = v120 16 = x75	
Data Compression Used	mdmCsCompressionType 1.3.6.1.4.1.429.1.6.9.1.1.17.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the data compression used in the current or last call. (short format)	INTEGER 1 = none 2 = ccittV42bis 3 = mnpLevel5	
Equalization Type Used	mdmCsEqualizationType 1.3.6.1.4.1.429.1.6.9.1.1.18.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the equalization used in the current or last call.	INTEGER 1 = long 2 = short	
Line Fallback Negotiated	mdmCsFallbackEnabled	Specifies whether line speed fallbacks were negotiated on the	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	1.3.6.1.4.1.429.1.6.9.1.1.19.slot*1000 + channel mandatory read-only in mdm.mib	current or previous call.	1 = disable 2 = enable	
Numbers of Characters Sent	mdmCsCharsSent 1.3.6.1.4.1.429.1.6.9.1.1.20.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters sent on the current or previous call.	INTEGER	
Number of Characters Received	mdmCsCharsReceived 1.3.6.1.4.1.429.1.6.9.1.1.21.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters received in the current or previous call.	INTEGER	
Number of Octets Sent	mdmCsOctetsSent 1.3.6.1.4.1.429.1.6.9.1.1.22.slot*1000 + channel mandatory read-only	Specifies the number of octets sent in the current or previous call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	in mdm.mib			
Number of Octets Received	mdmCsOctetsReceived 1.3.6.1.4.1.429.1.6.9.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of octets received in the current or previous call.	INTEGER	
Number of Blocks Sent	mdmCsBlocksSent 1.3.6.1.4.1.429.1.6.9.1.1.24.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of blocks sent in the current or previous call.	INTEGER	
Number of Received Blocks	mdmCsBlocksReceived 1.3.6.1.4.1.429.1.6.9.1.1.25.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of blocks received in the current or previous call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Number of Resent Blocks	mdmCsBlocksResent 1.3.6.1.4.1.429.1.6.9.1.1.26.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of blocks the modem has had to retransmit due to block errors or timeouts in the current or previous call.	INTEGER	
Number of Retrains Requested	mdmCsRetrainsRequested 1.3.6.1.4.1.429.1.6.9.1.1.27.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of retrains requested in the current or previous call.	INTEGER	
Number of Retrains Granted	mdmCsRetrainsGranted 1.3.6.1.4.1.429.1.6.9.1.1.28.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of retrains granted in the current or previous call.	INTEGER	
HST Speed Reversals	mdmCsLineReversalQty 1.3.6.1.4.1.429.1.6.9.1.1.29.slot*1000 + channel	Specifies the number of times the HST high and low speeds	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	directions have been reversed in the current or previous call.		
Number of Characters Lost	mdmCsCharsLost 1.3.6.1.4.1.429.1.6.9.1.1.30.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters lost on the current or previous call. Not meaningful on synchronous calls.	INTEGER	
HST Back Channel Speed	mdmCsBackChannelRate 1.3.6.1.4.1.429.1.6.9.1.1.31.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the negotiated HST back channel speed on the current or previous call.	INTEGER 1 = bps450 2 = bps300 3 = none	
Link Block Errors	mdmCsBlerQty 1.3.6.1.4.1.429.1.6.9.1.1.32.slot*1000 + channel mandatory read-only	Specifies the number of block errors received on the link in the current or last call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	in mdm.mib			
Number of Link Protocol Timeouts	mdmCsLinkTimeoutQty 1.3.6.1.4.1.429.1.6.9.1.1.33.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of link protocol timeouts on the current or previous call.	INTEGER	
Number of Link Speed Fallbacks	mdmCsFallbackQty 1.3.6.1.4.1.429.1.6.9.1.1.34.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the quantity of link speed fallbacks that occured on the current or previous call.	INTEGER	
Number of Link Speed Upshifts	mdmCsUpshiftQty 1.3.6.1.4.1.429.1.6.9.1.1.35.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of link speed upshifts have occured in the current or previous call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Number of NAKS Sent	mdmCsLinkNakQty 1.3.6.1.4.1.429.1.6.9.1.1.36.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the quantity of negative acknowledgements sent in response to errored blocks received on the link in the current or previous call.	INTEGER	
Gain Recalculation Count	mdmCsGainHitCount 1.3.6.1.4.1.429.1.6.9.1.1.37.slot*1000 + channel mandatory read-only in mdm.mib	The modem calculates the gain that is required to adjust the received signal to the ideal level. This defines the number of times that the gain was recalculated durring the current or previous call.	INTEGER	
State of DTEs EIA signals	mdmDiEiaLineStatus 1.3.6.1.4.1.429.1.6.5.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Provides a mechanism for the console to determine the current state of the DTE's EIA signals.	INTEGER (0...255)	
Last Dialed Security User	mdmCsSecurityUserName 1.3.6.1.4.1.429.1.6.9.1.1.38.slot*1000 + channel	The last dial security user that initiated the Call. This object is not	DisplayString SIZE(0...8)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib	saved to NVRAM.		
Call Duration	mdmCsCallDuration 1.3.6.1.4.1.429.1.6.9.1.1.39.slot*1000 + channel mandatory read-only in mdm.mib	This is the length of the call in hh:mm:ss format. The maximum value reported will be 9999:59:59.	DisplayString SIZE(0...10)	
B Channel Used for the Call	mdmCsBChannelUsed 1.3.6.1.4.1.429.1.6.9.1.1.44.slot*1000 + channel mandatory read-only in mdm.mib	B Channel Used	INTEGER	
TDM Time Slot Used for the Call	mdmCsTDMTimeSlot 1.3.6.1.4.1.429.1.6.9.1.1.42.slot*1000 + channel mandatory read-only	Time Division Multipexing Time Slot	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	in mdm.mib			
Call Reference Number	mdmCsCallRefNum 1.3.6.1.4.1.429.1.6.9.1.1.40.slot*1000 + channel mandatory read-only in mdm.mib	Call Reference Number	INTEGER	
Primary Card Slot	mdmCsPriCardSlot 1.3.6.1.4.1.429.1.6.9.1.1.41.slot*1000 + channel mandatory read-only in mdm.mib	Primary Card Slot	INTEGER	
Primary Card Span Line	mdmCsPriCardSpanLine 1.3.6.1.4.1.429.1.6.9.1.1.43.slot*1000 + channel mandatory read-only in mdm.mib	Primary Card Span Line	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Timing Offset in parts per million	mdmCsQTimingOffset 1.3.6.1.4.1.429.1.6.9.1.1.77.slot*1000 + channel mandatory read-only in mdm.mib	Timing Offset in parts per million.	INTEGER (0...65535)	
Carrier Offset in Hertz.	mdmCsQCarrierOffset 1.3.6.1.4.1.429.1.6.9.1.1.78.slot*1000 + channel mandatory read-only in mdm.mib	Carrier Offset in Hertz.	INTEGER (0...65535)	
PCM Coding	mdmCsQCoding 1.3.6.1.4.1.429.1.6.9.1.1.80.slot*1000 + channel mandatory read-only in mdm.mib	PCM Coding mu/A law Default=mulaw.	INTEGER 1 = mulaw 2 = alaw	
Training Information	mdmCsTrainingInfo 1.3.6.1.4.1.429.1.6.9.1.1.81.slot*1000 + channel	Training Information	OCTET STRING SIZE(0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
	mandatory read-only in mdm.mib			
x2 Signature	mdmCsX2signature 1.3.6.1.4.1.429.1.6.9.1.1.82.slot*1000 + channel mandatory read-only in mdm.mib	X2 diagnostics information from modem in hex.	OCTET STRING SIZE(0...255)	
x2 Status	mdmCsX2Status 1.3.6.1.4.1.429.1.6.9.1.1.83.slot*1000 + channel mandatory read-only in mdm.mib	x2 status of modem.	INTEGER 1 = x2v90NotOperational 2 = x2Operational 3 = v8DisabledLocal 4 = x2DisabledLocal 5 = baud3200DisabledLocal 6 = speedLimitedLocal	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			7 = v8notDetectedFromRemote 8 = x2notDetectedFromRemote 9 = incompatibleX2Versions 10 = incompatibleX2Modes 11 = baud3200DisabledRemote 12 = excessiveHFAttenuation 13 = channelNoSymbolRate 14 = exitBeforeX2Connect 15 = v90Operational	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			16 = x2v90Operational 17 = v90DisabledLocal 18 = x2v90DisabledLocal 19 = v90SymRatesDisabledLcl 20 = v90NotDetectedFrmRemote 21 = x2v90NotDetectedFrmRmt 22 = incompatibleV90Versions 23 = incompatibleV90Modes 24 = v90IncompactibleSymRate	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Digital PAD Attenuation (mDb)	mdmCsDigitalPadAttenuated 1.3.6.1.4.1.429.1.6.9.1.1.87.slot*1000 + channel mandatory read-only in mdm.mib	Attenuation of the digital pad in tenths of DB.	INTEGER (0...255)	
Initial Modulation Type	mdmCsInitModulationType 1.3.6.1.4.1.429.1.6.9.1.1.88.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the modulation type of the current or last call. The value can be different from the object mdmCsModulationType only for X2/V.90 calls.	INTEGER 1 = usRoboticsHST 2 = ccittV32 3 = ccittV22bis 4 = bell103 5 = ccittV21 6 = bell212 7 = ccittV32bis 8 = ccittV23	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			9 = noConnection 10 = bell208b 11 = v21FaxClass1 12 = v27FaxClass1 13 = v29FaxClass1 14 = v17FaxClass1 15 = v21FaxClass2 16 = v27FaxClass2 17 = v29FaxClass2 18 = v17FaxClass2 19 = v32Terbo 20 = v34	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			21 = vFC 22 = v34plus 23 = x2server 24 = v110 25 = v120 26 = x75 27 = asyncSyncPPP 28 = clearChannel 29 = x2client 30 = x2symmetric 31 = piafs 32 = x2version2	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
			33 = v90Analogue 34 = v90Digital 35 = v90AllDigital	
Collected DTMF Digits	mdmCsCollectedDTMFDigits 1.3.6.1.4.1.429.1.6.9.1.1.93.slot*1000 + channel mandatory read-only in mdm.mib	This object is an ASCII array of the DTMF digits collected from the client.	OCTET STRING SIZE(0...64)	

Modem Events

TCM Name	ASN.1 MIB	Description	Settings	Command
Watchdog Timer Resets	mdmEvWatchdogTimouts 1.3.6.1.4.1.429.1.6.10.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Quantity of times that a watchdog timeout has been detected for this modem.	Counter	
DTE Idle Timeouts	mdmEvDteIdleTimouts 1.3.6.1.4.1.429.1.6.10.1.1.3.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has had no DTE activity for the time specified by mdmEtDteIdleThresh.	Counter	
Incoming Connections Established	mdmEvInConnectEstabs 1.3.6.1.4.1.429.1.6.10.1.1.4.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has reported a incomming connection established event.	Counter	
Outgoing Connections Established	mdmEvOutConnectEstabs 1.3.6.1.4.1.429.1.6.10.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has reported an outgoing connection established event.	Counter	
Incoming Connections Terminated	mdmEvInConnectTerms 1.3.6.1.4.1.429.1.6.10.1.1.6.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported an incomming connection terminated event.	Counter	
Outgoing Connections Terminated	mdmEvOutConnectTerms 1.3.6.1.4.1.429.1.6.10.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported an outgoing connection termination event.	Counter	
Connect Attempt Failure	mdmEvConnectAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.8.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a connect attempt failure event. This does not include those connect attempt failures that are reported due to no dial tone and no loop current.	Counter	
Connect Timeout	mdmEvConnectTimouts 1.3.6.1.4.1.429.1.6.10.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the NMC has detected a call that has has a duration in excess of the threshold defined in mdmEtConnectThresh.	Counter	
Management Bus Failure	mdmEvMgmtBusFailures 1.3.6.1.4.1.429.1.6.10.1.1.10.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the NMC has been unable to get a response from the modem to requests on the management bus.	Counter	
Resets by DTE	mdmEvResetByDtes 1.3.6.1.4.1.429.1.6.10.1.1.11.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has been reset by the DTE via the ATZ command or by DTR drop.	Counter	
DTR Falses	mdmEvDtrFalses 1.3.6.1.4.1.429.1.6.10.1.1.12.slot*1000 + channel	The number of times the modem has reported DTR False events.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Watchdog Timer Resets	mdmEvWatchdogTimouts 1.3.6.1.4.1.429.1.6.10.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Quantity of times that a watchdog timeout has been detected for this modem.	Counter	
	mandatory read-only in mdm.mib	The DTR false event timeout is based on mdmEtDtrFalseThresh.		
DTR Trues	mdmEvDtrTrues 1.3.6.1.4.1.429.1.6.10.1.1.13.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported DTR True events. The modem reports these events to the NMC based on the value of mdmEtDtrTrueTresh.	Counter	
Number of No tones	mdmEvNoTones 1.3.6.1.4.1.429.1.6.10.1.1.14.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported no tones.	Counter	
Number of No loops	mdmEvNoLoops 1.3.6.1.4.1.429.1.6.10.1.1.15.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported no loop current events.	Counter	
Number of BLERs	mdmEvBlers 1.3.6.1.4.1.429.1.6.10.1.1.16.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported BLERs.	Counter	
Number of fall backs	mdmEvFallBacks 1.3.6.1.4.1.429.1.6.10.1.1.17.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported fall backs.	Counter	
Incoming Calls Total Connect Time (sec.)	mdmEvInConnectTime 1.3.6.1.4.1.429.1.6.10.1.1.18.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for inbound call connect time.	Counter	
Incoming Calls Total Bytes Received	mdmEvInTotalBytesRx 1.3.6.1.4.1.429.1.6.10.1.1.19.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes received on inbound calls.	Counter	
Incoming Calls Total Bytes Transmitted	mdmEvInTotalBytesTx 1.3.6.1.4.1.429.1.6.10.1.1.20.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes transmitted on inbound calls.	Counter	
Outgoing Calls Total Connect Time (sec.)	mdmEvOutConnectTime 1.3.6.1.4.1.429.1.6.10.1.1.21.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for outbound call connect time.	Counter	
Outgoing Calls Total Bytes Received	mdmEvOutTotalBytesRx 1.3.6.1.4.1.429.1.6.10.1.1.22.slot*1000 + channel mandatory read-only	Cumulative counter for number of bytes received on outbound calls.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Watchdog Timer Resets	mdmEvWatchdogTimouts 1.3.6.1.4.1.429.1.6.10.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Quantity of times that a watchdog timeout has been detected for this modem.	Counter	
	in mdm.mib			
Outgoing Calls Total Bytes Transmitted	mdmEvOutTotalBytesTx 1.3.6.1.4.1.429.1.6.10.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes transmitted on outbound calls.	Counter	
Incoming Connections Failed	mdmEvInConnAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.24.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a inbound connect attempt failure event. This does not include those connect attempt failues that are reported due to no dial time and no loop current.	Counter	
Outgoing Connections Failed	mdmEvOutConnAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.25.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a outbound connect attempt failure event. This does not include those connect attempt failures that are reported due to no dial tone and no loop current.	Counter	

Modem Packet Bus Events

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Clock Status	mdmStsPbClock 1.3.6.1.4.1.429.1.6.18.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	This object defines the current status of the packet bus clock.	INTEGER 1 = notSupported 2 = clockMaster 3 = clockSlave 4 = noClockPresent	

Analog Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Transmit carrier frequency (Hz)	mdmCsQCarrFreqTx 1.3.6.1.4.1.429.1.6.9.1.1.45.slot*1000 + channel mandatory read-only in mdm.mib	Transmit carrier value (Hz).	INTEGER (0...65535)	
Receive carrier frequency (Hz)	mdmCsQCarrFreqRx 1.3.6.1.4.1.429.1.6.9.1.1.46.slot*1000 + channel mandatory read-only in mdm.mib	Receive carrier value (Hz).	INTEGER (0...65535)	
Transmit symbol rate	mdmCsQSymRateTx 1.3.6.1.4.1.429.1.6.9.1.1.47.slot*1000 + channel mandatory read-only in mdm.mib	Transmit symbol rate.	INTEGER (0...65535)	
Receive symbol rate	mdmCsQSymRateRx 1.3.6.1.4.1.429.1.6.9.1.1.48.slot*1000 + channel mandatory read-only in mdm.mib	Receive symbol rate.	INTEGER (0...65535)	
Transmit Trellis rate	mdmCsQTrellisTx 1.3.6.1.4.1.429.1.6.9.1.1.49.slot*1000 + channel mandatory read-only in mdm.mib	Transmit Trellis coding.	INTEGER 1 = trellis8S-2D 2 = trellis16S-4D 3 = trellis32S-2D 4 = trellis64S-4D	
Receive Trellis rate	mdmCsQTrellisRx 1.3.6.1.4.1.429.1.6.9.1.1.50.slot*1000 + channel mandatory read-only in mdm.mib	Receive Trellis coding.	INTEGER 1 = trellis8S-2D 2 = trellis16S-4D 3 = trellis32S-2D 4 = trellis64S-4D	
Transmit non-linear coding status	mdmCsQNonLinCdTx 1.3.6.1.4.1.429.1.6.9.1.1.51.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit non-linear coding.	INTEGER 1 = off 2 = on	
Receive non-linear coding status	mdmCsQNonLinCdRx 1.3.6.1.4.1.429.1.6.9.1.1.52.slot*1000 + channel mandatory read-only in mdm.mib	Status of receive non-linear coding.	INTEGER 1 = off 2 = on	
Transmit Precoding status	mdmCsQPrecodingTx 1.3.6.1.4.1.429.1.6.9.1.1.53.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit precoding.	INTEGER 1 = off 2 = on	
Receive Precoding status	mdmCsQPrecodingRx 1.3.6.1.4.1.429.1.6.9.1.1.54.slot*1000 + channel mandatory read-only	Status of receive precoding.	INTEGER 1 = off	

TCM Name	ASN.1 MIB	Description	Settings	Command
Transmit carrier frequency (Hz)	mdmCsQCarrFreqTx 1.3.6.1.4.1.429.1.6.9.1.1.45.slot*1000 + channel mandatory read-only in mdm.mib	Transmit carrier value (Hz).	INTEGER (0...65535)	
	in mdm.mib		2 = on	
Receive shaping status	mdmCsQShapingTx 1.3.6.1.4.1.429.1.6.9.1.1.55.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit shaping.	INTEGER 1 = off 2 = on	
Transmit shaping status	mdmCsQShapingRx 1.3.6.1.4.1.429.1.6.9.1.1.56.slot*1000 + channel mandatory read-only in mdm.mib	Status of receive shaping.	INTEGER 1 = off 2 = on	
Amount of pre-emphasis on TX	mdmCsQPreemphTx 1.3.6.1.4.1.429.1.6.9.1.1.57.slot*1000 + channel mandatory read-only in mdm.mib	Transmit pre-emphasis (-dBm).	INTEGER (0...65535)	
Amount of pre-emphasis on RX	mdmCsQPreemphRx 1.3.6.1.4.1.429.1.6.9.1.1.58.slot*1000 + channel mandatory read-only in mdm.mib	Receive pre-emphasis (-dBm).	INTEGER (0...65535)	
Receive Level	mdmCsQRxLevel 1.3.6.1.4.1.429.1.6.9.1.1.59.slot*1000 + channel mandatory read-only in mdm.mib	Receive level (X 10) (-dBm).	INTEGER	
Transmit Level	mdmCsQTxLevel 1.3.6.1.4.1.429.1.6.9.1.1.60.slot*1000 + channel mandatory read-only in mdm.mib	Transmit level (X 10) (-dBm).	INTEGER	
Signal to Noise ratio	mdmCsQSNR 1.3.6.1.4.1.429.1.6.9.1.1.61.slot*1000 + channel mandatory read-only in mdm.mib	Signal to noise (x 10) (dB).	INTEGER	
Near echo level	mdmCsQNearEcho 1.3.6.1.4.1.429.1.6.9.1.1.62.slot*1000 + channel mandatory read-only in mdm.mib	Near echo (x 10) (dB).	INTEGER	
Far echo level	mdmCsQFarEcho 1.3.6.1.4.1.429.1.6.9.1.1.63.slot*1000 + channel mandatory read-only in mdm.mib	Far echo (x 10) (dB).	INTEGER	
Round trip delay time	mdmCsQRndTripDly 1.3.6.1.4.1.429.1.6.9.1.1.64.slot*1000 + channel mandatory read-only in mdm.mib	Round trip delay (msec).	INTEGER (0...65535)	

DTE's EIA Signals

TCM Name	ASN.1 MIB	Description	Settings	Command
Ring Indicate	mdmDiEiaLineStatus 1.3.6.1.4.1.429.1.6.5.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Provides a mechanism for the console to determine the current state of the DTE's EIA signals. **Bit Mask:** 0x20	INTEGER (0...255) 0 = Low 1 = High	

Frequency and Probe Level

TCM Name	ASN.1 MIB	Description	Settings	Command
Frequency 1050 (x 0.1 db)	mdmCsLevelProbeData 1.3.6.1.4.1.429.1.6.9.1.1.76.slot*1000 + channel mandatory read-only in mdm.mib	Probe level. **Index:** 6	OCTET STRING SIZE(0...30)	

DTE Interface Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
DTE Interface Source	mdmDiSrc 1.3.6.1.4.1.429.1.6.5.1.1.33.slot*1000 + channel optional read-write in mdm.mib	Specifies either NIC or Packet Bus as the source for the DTE interface.	INTEGER 1 = nic 2 = packetBus	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Status	rmdmCsStatus 1.3.6.1.4.1.429.1.20.2.1.1.2.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the Status Of RMMIE.	INTEGER 1 = notEnabledInLocalModem 2 = notDetectedInRemoteModem 3 = ok	
Number of Received Updates	rmdmCsNumOfUpdates 1.3.6.1.4.1.429.1.20.2.1.1.3.slot*1000 + channel mandatory read-only in rmdm.mib	This is object indicates the number of received RMMIE updates from the remote modem.	INTEGER	
Time Since Last Update (sec)	rmdmCsLastUpdateTime 1.3.6.1.4.1.429.1.20.2.1.1.4.slot*1000 + channel mandatory read-only in rmdm.mib	This is object indicates the number of seconds the last RMMIE update occured from the remote modem.	INTEGER	
Last Update Event	rmdmCsLastUpdateEvent 1.3.6.1.4.1.429.1.20.2.1.1.5.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the Type of event that caused the last RMMIE update.	INTEGER 1 = none 2 = initialConnection 3 = retrain 4 = speedShift 5 = plannedDisconnect	
Total Power Level (dBm)	rmdmCsRcvTotPwrLvl 1.3.6.1.4.1.429.1.20.2.1.1.6.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the total power level of the signal received by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level at 3300 Hz (dBm)	rmdmCsRcvPwrLvl3300Hz 1.3.6.1.4.1.429.1.20.2.1.1.7.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level at 3300 Hz of the signal received by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level at 3750 Hz (dBm)	rmdmCsRcvPwrLvl3750Hz 1.3.6.1.4.1.429.1.20.2.1.1.8.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level at 3750 Hz of the signal received by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level of Canceled Near Echo (dBm)	rmdmCsPwrLvlNearEchoCanc 1.3.6.1.4.1.429.1.20.2.1.1.9.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level of the near echo canceled by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level of Canceled Far Echo (dBm)	rmdmCsPwrLvlFarEchoCanc 1.3.6.1.4.1.429.1.20.2.1.1.10.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level of the far echo canceled by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level of Noise	rmdmCsPwrLvlNoiseRx 1.3.6.1.4.1.429.1.20.2.1.1.11.slot*1000 + channel	This object indicates the power level of the noise received by the	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Status	rmdmCsStatus 1.3.6.1.4.1.429.1.20.2.1.1.2.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the Status Of RMMIE.	INTEGER 1 = notEnabledInLocalModem 2 = notDetectedInRemoteModem 3 = ok	
(dBm)	mandatory read-only in rmdm.mib	remote modem in negative tenths of a dBm.		
Power Level of Tx (dBm)	rmdmCsPwrLvlSignalTx 1.3.6.1.4.1.429.1.20.2.1.1.12.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level of the signal transmitted by the remote modem in negative tenths of a dBm.	INTEGER	
x2 Status	rmdmCsX2Status 1.3.6.1.4.1.429.1.20.2.1.1.13.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the status of x2 in the remote modem.	INTEGER 1 = x2v90notOperational 2 = x2operational 3 = v8Disabled 4 = x2Disabled 5 = remote3200Disabled 6 = invalidSpeedSetting 7 = v8NotDetected 8 = x2NotDetected 9 = incompatibleX2Version 10 = incompatibleX2Modes 11 = local3200Disabled 12 = excessHighFrequencyAtten 13 = connectNotSupport3200 14 = retrainBeforeConnection 15 = v90Operational 16 = x2v90Operational 17 = v90Disabled 18 = x2v90Disabled 19 = v90SymRatesDisabled 20 = v90NotDetected 21 = x2v90NotDetected 22 = incompatibleV90Versions 23 = incompatibleV90Modes 24 = v90IncompatibleSymRate	
Disconnect Reason	rmdmCsDisconnectReason 1.3.6.1.4.1.429.1.20.2.1.1.14.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the reason the remote modem is disconnecting.	INTEGER 1 = none 2 = dteNotReady 3 = dteInterfaceError 4 = dteRequest 5 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Status	rmdmCsStatus 1.3.6.1.4.1.429.1.20.2.1.1.2.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the Status Of RMMIE.	INTEGER 1 = notEnabledInLocalModem 2 = notDetectedInRemoteModem 3 = ok	
			escapeToOnlineCommandMode 6 = athCommand 7 = inactivityTimeout 8 = arqProtocolError 9 = arqProtocolRetransmitLim 10 = invalidComprDataCodeword 11 = invalidComprDataStringLen 12 = invalidComprDataCommand	

Min/Max Speed per Session

TCM Name	ASN.1 MIB	Description	Settings	Command
Rx Minimum Speed	mdmCsRxMinSpeed 1.3.6.1.4.1.429.1.6.9.1.1.89.slot*1000 + channel mandatory read-only in mdm.mib	Current/Last Session MIN Rx Speed.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000	

40 = bps45333
41 = bps46666
42 = bps48000
43 = bps49333
44 = bps50666
45 = bps52000
46 = bps53333
47 = bps54666
48 = bps56000
49 = bps57333
50 = bps58666
51 = bps60000
52 = bps61333
53 = bps62666
54 = bps64000

Rx Maximum Speed	mdmCsRxMaxSpeed 1.3.6.1.4.1.429.1.6.9.1.1.90.slot*1000 + channel mandatory read-only in mdm.mib	Current/Last Session MAX Rx Speed.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666

			45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000
Tx Minimum Speed	mdmCsTxMinSpeed 1.3.6.1.4.1.429.1.6.9.1.1.91.slot*1000 + channel mandatory read-only in mdm.mib	Current/Last Session MIN Tx Speed.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333

			35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000
Tx Maximum Speed	mdmCsTxMaxSpeed 1.3.6.1.4.1.429.1.6.9.1.1.92.slot*1000 + channel mandatory read-only in mdm.mib	Current/Last Session MAX Tx Speed.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K

25 = bps25333
26 = bps26666
27 = bps28000
28 = bps29333
29 = bps30666
30 = bps32000
31 = bps33333
32 = bps34666
33 = bps36000
34 = bps37333
35 = bps38666
36 = bps40000
37 = bps41333
38 = bps42666
39 = bps44000
40 = bps45333
41 = bps46666
42 = bps48000
43 = bps49333
44 = bps50666
45 = bps52000
46 = bps53333
47 = bps54666
48 = bps56000
49 = bps57333
50 = bps58666
51 = bps60000
52 = bps61333
53 = bps62666
54 = bps64000

Modem Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
Serial Number	mdmIDHardwareSerNum 1.3.6.1.4.1.429.1.6.1.1.1.4.slot*1000 + channel mandatory read-only in mdm.mib	The modem's hardware serial number as stored in EEPROM.	DisplayString SIZE(0...16)	
Hardware Revision	mdmIDHardwareRev 1.3.6.1.4.1.429.1.6.1.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	The hardware revision of the modem as stored in the modem's EEPROM.	DisplayString SIZE(0...11)	
Supervisor Software Revision	mdmIDSupervisorSwRev 1.3.6.1.4.1.429.1.6.1.1.1.6.slot*1000 + channel mandatory read-only in mdm.mib	The revision of the software being executed by the modem's supervisor processor.	DisplayString SIZE(0...11)	
Data Pump Software Revision	mdmIDDataPumpSwRev 1.3.6.1.4.1.429.1.6.1.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	The revision of software being executed by the modem's data pump processor.	DisplayString SIZE(0...11)	
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
			4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
Country of Operation	mdmIDCountry 1.3.6.1.4.1.429.1.6.1.1.1.3.slot*1000 + channel mandatory read-only in mdm.mib	This object identifies the country or countries that this modem is designed for use in.	INTEGER 1 = unknown 2 = northamerica 3 = japan 4 = finland 5 = sweden 6 = uk 7 = norway 8 = switzerland 9 = netherlands 10 = southAfrica 11 = italy 12 = newZealand 13 = czech 14 = belgium 15 = denmark 16 = australia 17 = france 18 = germany 19 = ccitt 20 = austria 21 = ireland 22 = spain 23 = portugal 24 = malaysia	
Data Set Ready	mdmDiEiaLineStatus 1.3.6.1.4.1.429.1.6.5.1.1.23.slot*1000 + channel	Provides a mechanism for the console to determine the current	INTEGER (0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
	mandatory read-only in mdm.mib	state of the DTE's EIA signals. **Bit Mask:** 0x10	0 = Low 1 = High	
DIP Switch Settings	uchasSlotSwitchSettings 1.3.6.1.4.1.429.1.1.1.1.1.11.slot mandatory read-only in chs.mib	This represents the DIP switch settings on the NAC. It is a bitmapped integer.	INTEGER	
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	
Supervisor Software Date	mdmIDSupervisorDate 1.3.6.1.4.1.429.1.6.1.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	The supervisor build date.	DisplayString SIZE(0...8)	

Line Interface Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Pause Delay (sec) (S8)	mdmLiDialPause 1.3.6.1.4.1.429.1.6.2.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in seconds for the pause(') option in the dial command and the pause between command re-executions(> and A>) Default = 2. Equates to the modem's S8 register.	INTEGER (0...255)	S8
Carrier Detect Delay (* .1 sec) (S9)	mdmLiCarrierRecDelay 1.3.6.1.4.1.429.1.6.2.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10ths of a second that the remote modem's carrier signal must be present before recognition. Ignored at speeds above 2400. Equates to the modem's S9 register. Default=6.	INTEGER (0...255)	S9
Carrier Loss Detect Delay (* .1 sec) (S10)	mdmLiCarrierLoss 1.3.6.1.4.1.429.1.6.2.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10ths of a second the modem waits after loss of carrier before hanging up. This allows the modem to distinguish between a momentary lapse in line quality and a true disconnect. When equal to 255 the modem will remain off hook until DTR drops or an ATH command is recieved. Equates to the modem's S10 register. Default=7.	INTEGER (0...255)	S10
Tone Dial Spacing (ms) (S11)	mdmLiToneDialTiming 1.3.6.1.4.1.429.1.6.2.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Duration and spacing in milliseconds of dialed Touch Tones. Equates to the modem's S10 register. Default=70.	INTEGER (0...255)	S11
RX Delay after CD (* .1 sec) (S35|S27.6)	mdmLiDteRxDataDelay 1.3.6.1.4.1.429.1.6.2.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10ths of a second that the modem inserts a RX transmission delay between CD and the first recieved character. Intended for custom applications and not recomended for general usage. Equates to the modem's S35 register. Default=0.	INTEGER (0...255)	S35|S27.6
Modem Transmitter (Cn)	mdmLiTransmiter 1.3.6.1.4.1.429.1.6.2.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Enables the modem to transmit data. Corresponds to the modem 'C' register. Default=2.	INTEGER 1 = disable 2 = enable	Cn
Transmit Level (-db)	mdmLiTransmitLevel 1.3.6.1.4.1.429.1.6.2.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the signal level of the modem transmitter in negative db.	INTEGER (0...20)	
Pulse/Tone Dial (P|T)	mdmLiDialMode 1.3.6.1.4.1.429.1.6.2.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Determines whether the modem uses pulse or tone for dialing when initiating outgoing calls. Equates to the P and T registers in the modem. Default=0.	INTEGER 1 = pulse 2 = tone	
Guard Tone Frequency (&G)	mdmLiGuardTone 1.3.6.1.4.1.429.1.6.2.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	This object is required for modems answering calls that originate from sites outside of North America. The modem's must be operating in either 1200 or 2400 bps and be using the V.32 answer sequence. This object defines what guard tone is used for answering calls. This object equates to the &G register in US Robotics modems. Default=none.	INTEGER 1 = none 2 = european550 3 = uk1800	&G

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Pause Delay (sec) (S8)	mdmLiDialPause 1.3.6.1.4.1.429.1.6.2.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in seconds for the pause(') option in the dial command and the pause between command re-executions(> and A>) Default = 2. Equates to the modem's S8 register.	INTEGER (0...255)	S8
Leased Line Operation (&L)	mdmLiLeasedLine 1.3.6.1.4.1.429.1.6.2.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Enables modem to operate in leased line mode. When enabled the local an remote modems make a continuous connection without dialing. Should the connection be broken the modem's will attempt to automaticly reestablish it(see mdmCcLeasedLineRest). Equates to the modem's &L register Default = disabled.	INTEGER 1 = disable 2 = enable 3 = cellularHSTMode	&L
Leased Line Restore Delay after CD Loss (sec) (S44)	mdmLiLeasedLineRestDelay 1.3.6.1.4.1.429.1.6.2.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration in seconds of the delay between when the modem senses loss of carrier and when it attempts to reestablish a leased line connection. The default setting of 15 should be appropriate for most installations.	INTEGER (0...255)	S44
Pulse Dialing Country (&P)	mdmLiPulseMakeBreak 1.3.6.1.4.1.429.1.6.2.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Determines the ratio of off hook to on hook interval for Pulse dialing. Equates to the modem's &P register. Default=North America.	INTEGER 1 = northAmerica 2 = britishCommonwealth	&P
2100 Hz Answer Tone (V.42) (S27.3)	mdmLiAnswerTone 1.3.6.1.4.1.429.1.6.2.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Disables the 2100 Hz Answer tone allowing V.42 modems to connect more quickly and/or eliminating problems with older 2400-bps modems that do not recognise this tone. Equates to the modem's S27.3 register. Default=Enabled.	INTEGER 1 = enable 2 = disable	S27.3
Remote Access Escape Guard Time (* 20ms) (S43)	mdmLiRemoteEscGuardTime 1.3.6.1.4.1.429.1.6.2.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration in 20 millisecond increments of the guard time that the modem requires preceding and following the remote escape sequence.The default is 200 or 4 seconds.	INTEGER (0...255)	S43
Remote Access Escape Code (S42)	mdmLiRemoteEscChar 1.3.6.1.4.1.429.1.6.2.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal value of the character used in the remote access escape code for entering online command mode on this modem from the remote site. Default = 126(~).	INTEGER (0...255)	S42
Remote Access Attempt Limit (S41)	mdmLiRemAccessLimit 1.3.6.1.4.1.429.1.6.2.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	Determines the number of attempts to enter remote online command mode that are allowed for any one connection. The default is 0 which disables the remote access functon.	INTEGER (0...255)	S41
Remote Access VIEW Password (%P0)	mdmLiRemPassword0 1.3.6.1.4.1.429.1.6.2.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	The password that allows a dial-in user to gain view only access to this modems parameters. A maximum of 8 characters is allowed.	DisplayString SIZE(0...8)	%P0
Remote Access CONFIG Password (%P1)	mdmLiRemPassword1 1.3.6.1.4.1.429.1.6.2.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	The password used by a dial-in user to gain read-write access to this modems configuration. Maximum length is 8 characters.	DisplayString SIZE(0...8)	%P1
Line Interface Source (%Dn)	mdmLiSrc 1.3.6.1.4.1.429.1.6.2.1.1.20.slot*1000 + channel optional read-write	Specifies either NIC or TDM as the source for the line interface.	INTEGER 1 = nic	%Dn

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Pause Delay (sec) (S8)	mdmLiDialPause 1.3.6.1.4.1.429.1.6.2.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in seconds for the pause(') option in the dial command and the pause between command re-executions(> and A>) Default = 2. Equates to the modem's S8 register.	INTEGER (0...255)	S8
	in mdm.mib		2 = t1Tdm 3 = priTdm	

Data Compression Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Data Compression Mode (&K)	mdmDcDataCompression 1.3.6.1.4.1.429.1.6.3.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines when and how data compression is enabled. Corresponds to the &K register in USR modems.	INTEGER 1 = none 2 = autoEnable 3 = enable 4 = mnpWoCompression	&K

DTE Interface Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Escape Guard Time (* 20ms) (S12)	mdmDiEscCodeGuardTime 1.3.6.1.4.1.429.1.6.5.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 50ths of a second of idle time that must precede and follow the modem's command mode escape code. Default=50.	INTEGER (0...255)	S12
Modem Escape Character (S2)	mdmDiLocalEscChar 1.3.6.1.4.1.429.1.6.5.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Decimal equivalent of the character that is used to escape to on-line command mode. Values between 128 and 255 disable the escape code. Default=43(+).	INTEGER (0...255)	S2
Carriage Return Character (S3)	mdmDiCarriageRetChar 1.3.6.1.4.1.429.1.6.5.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the carriage return character. Default=13.	INTEGER (0...255)	S3
Line Feed Character (S4)	mdmDiLineFeedChar 1.3.6.1.4.1.429.1.6.5.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the line feed character. Default=10.	INTEGER (0...255)	S4
Backspace Character (S5)	mdmDiBackspaceChar 1.3.6.1.4.1.429.1.6.5.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the backspace character. Default=8.	INTEGER (0...255)	S5
Backspace Functionality (S15.5)	mdmDiDelAsBackspace 1.3.6.1.4.1.429.1.6.5.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Defines functionality of the delete key. Acts either to delete the character the cursor is currently on or acts the same as the backspace key. Default=delete.	INTEGER 1 = delete 2 = backspace	S15.5
Modem Reset on DTR Drop (S13.0)	mdmDiResetOnDtrEna 1.3.6.1.4.1.429.1.6.5.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	When enabled this option will cause the modem to restart when the DTR control signal drops. Default=disabled.	INTEGER 1 = disable 2 = enable	S13.0
Pause before Result Codes (S13.2)	mdmDiResultCodePauseDis 1.3.6.1.4.1.429.1.6.5.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem pauses 250ms before transmission of any result code. Default=enable.	INTEGER 1 = enable 2 = disable	S13.2
AppleTalk InterBridge Network (S15.7)	mdmDiInterbridgeEna 1.3.6.1.4.1.429.1.6.5.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem operates in a mode that is compatible with an 'Appletalk InterBridge Network'. Default=disabled.	INTEGER 1 = disable 2 = enable	S15.7
Break Length (*10 ms) (S21)	mdmDiBreakLen 1.3.6.1.4.1.429.1.6.5.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Defines the duration of break characters that are sent to the DTE in ARQ mode. Defined in 10ms increments. Default=10(100ms).	INTEGER (0...255)	S21
XON Flow Control	mdmDiXonChar 1.3.6.1.4.1.429.1.6.5.1.1.12.slot*1000 + channel	Defines the decimal equivalent of the Xon character. This	INTEGER (0...255)	S22

TCM Name	ASN.1 MIB	Description	Settings	Command
Escape Guard Time (* 20ms) (S12)	mdmDiEscCodeGuardTime 1.3.6.1.4.1.429.1.6.5.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 50ths of a second of idle time that must precede and follow the modem's command mode escape code. Default=50.	INTEGER (0...255)	S12
Character (S22)	mandatory read-write in mdm.mib	character will be used when software flow control is enabled. Default=17.		
XOFF Flow Control Character (S23)	mdmDiXoffChar 1.3.6.1.4.1.429.1.6.5.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Defines the decimal equivalent of the xoff character. This character will be used when software flow control is enabled. Default=19.	INTEGER (0...255)	S23
DSR Mode Pulse Length (* 20ms) (S24)	mdmDiDsrPulseTime 1.3.6.1.4.1.429.1.6.5.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 20 millisecond increments that the DSR signal is pulsed when the modem is configured for pulsed DSR mode. Default=150.	INTEGER (0...150)	S24
Sync RTS Delay before CTS (* 10ms) (S26)	mdmDiRtsCtsDelay 1.3.6.1.4.1.429.1.6.5.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10 millisecond increments that the modem delays setting CTS after detecting the presence of RTS. Default=1.	INTEGER (0...255)	S26
Result Codes above 9600 (S27.7)	mdmDiHiSpeedResCodeEna 1.3.6.1.4.1.429.1.6.5.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	Determines if connection establishment result codes above 9600 are sent to the DTE. Default=enable.	INTEGER 1 = enable 2 = disable	S27.7
Echo DTE Data (E|Dip 4)	mdmDiCmdLocalEchoEna 1.3.6.1.4.1.429.1.6.5.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the characters transmitted by the DTE are echoed back when in command mode. Default=disabled.	INTEGER 1 = disable 2 = enable	E|Dip 4
Half Duplex DTE Echo (F)	mdmDiDataModeEchoEna 1.3.6.1.4.1.429.1.6.5.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the DTE's transmitted data is echoed back durring a connection(half duplex). Default=disabled.	INTEGER 1 = enable 2 = disable	F
DTE Rate Mode (&B)	mdmDiDteDataRateMode 1.3.6.1.4.1.429.1.6.5.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Defines how the modem determines the DTE data rate. When set to the default follows link rate the modem switches the DTE speed to match the link rate. When set to fixed the DTE speed remains at the default DTE data rate or the rate of the last AT command. When set to ARQ fixed-Non ARQ follows the dte speed remains fixed for ARQ calls and follows the link rate for non ARQ calls.	INTEGER 1 = followsLinkRate 2 = fixed 3 = arqFixedNonArqFollows	&B
CD Override (&C|Dip 6)	mdmDiCdOverride 1.3.6.1.4.1.429.1.6.5.1.1.20.slot*1000 + channel mandatory read-write in mdm.mib	Defines the operation of the CD(Carrier Detect) signal. When overridden the CD signal is always asserted. Default=normal.	INTEGER 1 = enable 2 = disable	&C|Dip 6
DTR Override (&D|Dip 1)	mdmDiDtrOverride 1.3.6.1.4.1.429.1.6.5.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	Defines operation with regard to DTR. When overridden the DTR signal is always assumed to be present. Default=normal.	INTEGER 1 = enable 2 = disable	&D|Dip 1

TCM Name	ASN.1 MIB	Description	Settings	Command
Escape Guard Time (* 20ms) (S12)	mdmDiEscCodeGuardTime 1.3.6.1.4.1.429.1.6.5.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 50ths of a second of idle time that must precede and follow the modem's command mode escape code. Default=50.	INTEGER (0...255)	S12
DSR Functionality (&S)	mdmDiDsrOverride 1.3.6.1.4.1.429.1.6.5.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	Determines the functionality of the modem's DSR signal. Default=Override.	INTEGER 1 = dsrOveridden 2 = modemControled 3 = pulsedCtsFollowsCd 4 = pulsed 5 = dsrEqualsCd 6 = normalCtsFollowsCd	&S
Transmit Flow Control Mode (&H)	mdmDiTransmitFlowCntl 1.3.6.1.4.1.429.1.6.5.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Determines if transmit flow control is enabled and if so whether it is hardware or software. Default=none.	INTEGER 1 = none 2 = hardware 3 = software 4 = hardwareAndSoftware	&H
Software Flow Control (&I)	mdmDiSoftwareRxFlowCntl 1.3.6.1.4.1.429.1.6.5.1.1.25.slot*1000 + channel mandatory read-write in mdm.mib	Determines if receive software flow control is enabled as well as what type. Default=none.	INTEGER 1 = none 2 = xonXoffLocalRemote 3 = xonXoffLocal 4 = hpHostMode 5 = hpTerminalMode 6 = localIncommingXonXoff	&I
Hardware Flow Control (&R)	mdmDiHardwareRxFlowCntl 1.3.6.1.4.1.429.1.6.5.1.1.26.slot*1000 + channel mandatory read-write in mdm.mib	Determines if receive hardware flow control is enabled as well as how it is implemented. Default=RTS ignored.	INTEGER 1 = rtsCtsDelayed 2 = rtsIgnored 3 = dataOnRtsHigh	&R
Break Handling Methods (&Y)	mdmDiBreakHandling 1.3.6.1.4.1.429.1.6.5.1.1.27.slot*1000 + channel mandatory read-write in mdm.mib	Defines the method used to handle received breaks. When defined as destructive the modem's transmit data buffer is flushed. When defined as expidited the break preceeds any pending data in the transmit buffer. Default=DestructiveExpidited.	INTEGER 1 = destructiveNotSent 2 = destructiveExpedited 3 = nondestructiveExpedited 4 = nondestructiveNotSent	&Y
DTE NVRAM Lock (R&W)	mdmDiDteNvramLock 1.3.6.1.4.1.429.1.6.5.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	When locked prohibits the DTE user from changing any of the NVRAM settings in the modem. Default=unlocked.	INTEGER 1 = disable 2 = enable	
Default DTE Data Format	mdmDiSerialFormat 1.3.6.1.4.1.429.1.6.5.1.1.29.slot*1000 + channel mandatory read-write in mdm.mib	Defines the data bits and parity of the modem's DTE. Used in situations where the attached DTE is unable to send AT commands to initialize the DTE format. Default=8 bit no parity.	INTEGER 1 = bit8NoParity 2 = bit7EvenParity 3 = bit7OddParity 4 = bit7MarkParity	
Default DTE Data Rate	mdmDiDefaultDteDataRate 1.3.6.1.4.1.429.1.6.5.1.1.30.slot*1000 + channel	Defines the data rate of the DTE. Useful in those cases where the DTE is incapable of sending an AT command to initialize the data	INTEGER 1 = bps110	

TCM Name	ASN.1 MIB	Description	Settings	Command
Escape Guard Time (* 20ms) (S12)	mdmDiEscCodeGuardTime 1.3.6.1.4.1.429.1.6.5.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 50ths of a second of idle time that must precede and follow the modem's command mode escape code. Default=50.	INTEGER (0...255)	S12
	mandatory read-write in mdm.mib	rate and a fixed data rate is required. Default=9600.	2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 8 = bps9600 12 = bps19K 13 = bps38K 16 = unknown 17 = bps57K 22 = bps115K	
Modem Unavailable Message for Busy DTE (S34.6)	mdmDiRemAccessMsg 1.3.6.1.4.1.429.1.6.5.1.1.31.slot*1000 + channel mandatory read-write in mdm.mib	Specifies if the modem is to send the 'Modem Unavailable' message to the DTE when the DTE attempts to send data to a modem that is curently in command mode with a remote DTE. Default = enabled.	INTEGER 1 = enable 2 = disable	S34.6
Default V.25 bis DTE Data Rate (%N)	mdmDiV25DteDataRate 1.3.6.1.4.1.429.1.6.5.1.1.32.slot*1000 + channel optional read-write in mdm.mib	Defines the DTE Data Rates supported for V25 bis.	INTEGER 1 = bps1200 2 = bps2400 3 = bps4800 4 = bps7200 5 = bps9600 6 = bps12K 7 = bps14K 8 = bps16K 9 = bps19K 10 = bps21K 11 = bps24K 12 = bps26K 13 = bps28K	%N
DTE Interface Slot	mdmDiSlot 1.3.6.1.4.1.429.1.6.5.1.1.34.slot*1000 + channel optional read-write in mdm.mib	Specifies the slot address as the DTE interface source when mdmdiSrc is configured for Packet Bus.	INTEGER (1...16)	
Busy Out	mdmDiBusyClock 1.3.6.1.4.1.429.1.6.5.1.1.35.slot*1000 + channel optional read-write in mdm.mib	specifies whether the modem will support either the current transmit clock or a new busy out.	INTEGER 1 = extClock1 2 = busyOut	
AT Command Interface	mdmDiAtString 1.3.6.1.4.1.429.1.6.5.1.1.36.slot*1000 + channel	Provides an interface for issuing an AT command to the modem. Not implemented as a command so as to allow the object to be	DisplayString SIZE(0...41)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Escape Guard Time (* 20ms) (S12)	mdmDiEscCodeGuardTime 1.3.6.1.4.1.429.1.6.5.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 50ths of a second of idle time that must precede and follow the modem's command mode escape code. Default=50.	INTEGER (0...255)	S12
	mandatory read-write in mdm.mib	saved to NVRAM and subsequently configured during power-up.		
DTR Recognition Time (S25)	mdmDiDtrRecognitionTime 1.3.6.1.4.1.429.1.6.5.1.1.37.slot*1000 + channel mandatory read-write in mdm.mib	S25 register tells the modem how quickly to react when DTR transitions from off to on. Default is 20. Increments are in 10 ms.	INTEGER (0...255)	S25

TCM Name	ASN.1 MIB	Description	Settings	Command
Link Rate Speed Select (&N)	mdmScLinkRateSelect 1.3.6.1.4.1.429.1.6.6.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the link will run at a fixed or variable data rate. Default=variable.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666	&N

39 = bps36000
40 = bps38666
41 = bps40000
42 = bps58666
43 = bps60000
44 = bps61333
45 = bps62666

Non-ARQ Transmit Buffer Size (S15.3)	mdmScNonArqBufSize 1.3.6.1.4.1.429.1.6.6.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Sets the sizer of the transmit buffer for non-ARQ mode operation to either 128 bytes or 1.5K. The smaller size is for low speed interactive applications the large size is for file transfer. Default=128.	INTEGER 1 = bytes1500 2 = bytes128	S15.3
Buffer RX During MNP Negotiation (S37.0)	mdmScNonMnpDataCapture 1.3.6.1.4.1.429.1.6.6.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Causes received characters to be buffered when the modem is attempting to negotiate an MNP call and the remote modem is not. Default=disabled.	INTEGER 1 = disable 2 = enable	S37.0
HST Modulation (S13.5)	mdmScHstMod 1.3.6.1.4.1.429.1.6.6.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	May be used to disable HST operation on USRobotics Dual Standard modems. Default=enable.	INTEGER 1 = enable 2 = disable	S13.5
Modem Equalization (S15.0)	mdmScHiFreqEq 1.3.6.1.4.1.429.1.6.6.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Allows modem's high frequency equalization to be disabled if it causes problems on shorter lines. Default=enabled.	INTEGER 1 = enable 2 = disable	S15.0
HST Mode Lower Speed (S15.2)	mdmScBackChanRate 1.3.6.1.4.1.429.1.6.6.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the lower speed used in the asymetrical (HST) mode of operation. The 300 bps setting is provided for compatibility with early HST modems. Default=450.	INTEGER 1 = bps450 2 = bps300	S15.2
V.21 Modulation (S27.0)	mdmScV21Mod 1.3.6.1.4.1.429.1.6.6.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will answer both bell 103 and V.21 calls but originates only V.21 calls. Default=disabled.	INTEGER 1 = disable 2 = enable	S27.0
V.32 Unencoded Modulation (S27.1)	mdmScV32UnencodedMod 1.3.6.1.4.1.429.1.6.6.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Allows unencoded modulation in V.32 mode. Although part of the CCITT V.32 recomendation it is rarely used. Default=disabled.	INTEGER 1 = disable 2 = enable	S27.1
V.32 Modulation (S27.2)	mdmScV32Mod 1.3.6.1.4.1.429.1.6.6.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Allows V.32 modulation to be disabled on USRobotics Dual Standard modems. Default=enabled.	INTEGER 1 = enable 2 = disable	S27.2
Bell 208 (S31.0)	mdmScBell208 1.3.6.1.4.1.429.1.6.6.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Allows modems that support Bell 208 modulation to include Bell 208 as part of the negotiation sequence. Default=Bell 208 disabled.	INTEGER 1 = disable 2 = enable	S31.0
V.32 bis Modulation (S34.0)	mdmScV32Bis 1.3.6.1.4.1.429.1.6.6.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Allows V.32 bis modulation to be disabled. On USRobotics Dual Standard modems this may be useful in troublshooting HST operation. Default=V.32 bis enabled.	INTEGER 1 = enable 2 = disable	S34.0
V.32 Enhanced Mode (S34.1)	mdmScV32BisEnhance 1.3.6.1.4.1.429.1.6.6.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Allows USRobotics V.32 Enahnced mode to be disabled for purposes of troubleshooting Default=enabled.	INTEGER 1 = enable 2 = disable	S34.1
V.32 Fast Retrain (S34.2)	mdmScV32QuickRetrain 1.3.6.1.4.1.429.1.6.6.1.1.15.slot*1000 + channel mandatory read-write	Allows the faster retrains that occur with USR's enhanced V.32 mode to be disabled for troubleshooting purposes. Default=enabled.	INTEGER 1 = enable 2 = disable	S34.2

	in mdm.mib			
V.23 Call Negotiation (S34.3)	mdmScV23 1.3.6.1.4.1.429.1.6.6.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	Allows the modem to negotiate a V.23 connection(used in U.K.) after failing to negotiate a higher rate. Default=disabled.	INTEGER 1 = disable 2 = enable	S34.3
Answer Sequence (Bn)	mdmScHiSpeedModulation 1.3.6.1.4.1.429.1.6.6.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Defines the handshaking options used in negotiation of high speed calls. Default=CCITT V.32	INTEGER 1 = v32 2 = hst 3 = bell208	Bn
Fallback Disable (S15.1)	mdmScFallback 1.3.6.1.4.1.429.1.6.6.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the modem will be allowed to change protocols it detects a significant change in the line characteristics. If the modem is unable to maintain transmission with the current modulation technique it would fall back to a lower speed and if the line then improved it would upshift to a higher speed. Default=enabled.	INTEGER 1 = enable 2 = disable	S15.1
Sync Timing Source (&X)	mdmScSyncTimingSource 1.3.6.1.4.1.429.1.6.6.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the clock source when operating in synchronous mode. Default=internal.	INTEGER 1 = internal 2 = external 3 = rxLinkClock	&X
V.32 Terbo Modulation (S34.7)	mdmScV32TerboModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Allows the V32 Terbo mode to be disabled/enabled.	INTEGER 1 = disable 2 = enable	S34.7
V.34 Modulation (S56.6)	mdmScV34ModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.20.slot*1000 + channel mandatory read-write in mdm.mib	Allows V34 mode to be disabled/enabled.	INTEGER 1 = disable 2 = enable	S56.6
V.FC 2400 Symbol Rate (S54.0)	mdmScVFCSymRate2400 1.3.6.1.4.1.429.1.6.6.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2400 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.0
V.FC 2743 Symbol Rate (S54.1)	mdmScVFCSymRate2743 1.3.6.1.4.1.429.1.6.6.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2743 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.1
V.FC 2800 Symbol Rate (S54.2)	mdmScVFCSymRate2800 1.3.6.1.4.1.429.1.6.6.1.1.23.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2800 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.2
V.FC 3000 Symbol Rate (S54.3)	mdmScVFCSymRate3000 1.3.6.1.4.1.429.1.6.6.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 3000 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.3
V.FC 3200 Symbol Rate (S54.4)	mdmScVFCSymRate3200 1.3.6.1.4.1.429.1.6.6.1.1.25.slot*1000 + channel mandatory read-write	Allows the 3200 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.4

	in mdm.mib			
V.FC 3429 Symbol Rate (S54.5)	mdmScVFCSymRate3429 1.3.6.1.4.1.429.1.6.6.1.1.26.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 3429 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.5
V.FC 8S-2D Mapping (S55.0)	mdmScVFC8S2DMapping 1.3.6.1.4.1.429.1.6.6.1.1.27.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 8S-2D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.0
V.FC 16S-4D Mapping (S55.1)	mdmScVFC16S4DMapping 1.3.6.1.4.1.429.1.6.6.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 16S-4D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.1
V.FC 32S-2D Mapping (S55.2)	mdmScVFC32S2DMapping 1.3.6.1.4.1.429.1.6.6.1.1.29.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 32S-2D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.2
V.FC 64S-4D Mapping (S55.3)	mdmScVFC64S4DMapping 1.3.6.1.4.1.429.1.6.6.1.1.30.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 64S-4D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.3
V.FC Non-linear Coding (S56.0)	mdmScVFCNonLinearCoding 1.3.6.1.4.1.429.1.6.6.1.1.31.slot*1000 + channel mandatory read-write in mdm.mib	Allows the non-linear coding to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.0
V.FC TX Level Deviation (S56.1)	mdmScVFCTxLevelDeviation 1.3.6.1.4.1.429.1.6.6.1.1.32.slot*1000 + channel mandatory read-write in mdm.mib	Allows the TX level deviation to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.1
V.FC Pre-emphasis (S56.2)	mdmScVFCPreEmphasis 1.3.6.1.4.1.429.1.6.6.1.1.33.slot*1000 + channel mandatory read-write in mdm.mib	Allows the pre-emphasis to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.2
V.FC Precoding (S56.3)	mdmScVFCPreCoding 1.3.6.1.4.1.429.1.6.6.1.1.34.slot*1000 + channel mandatory read-write in mdm.mib	Allows the precoding to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.3
V.FC Shaping (S56.4)	mdmScVFCShaping 1.3.6.1.4.1.429.1.6.6.1.1.35.slot*1000 + channel mandatory read-write in mdm.mib	Allows the shaping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.4
V.FC Modulation (S56.7)	mdmScVFCModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.36.slot*1000 + channel mandatory read-write in mdm.mib	Allows to disable/enable V.FC mode in order to troubleshoot a connection.	INTEGER 1 = enable 2 = disable	S56.7
V.8 Mode (S54.7)	mdmScV8 1.3.6.1.4.1.429.1.6.6.1.1.37.slot*1000 + channel	Allow V8 mode to be disabled/enabled	INTEGER 1 = enable	S54.7

	mandatory read-write in mdm.mib		2 = disable	
V.8 Call Indicator (S54.6)	mdmSCV8CallIndicator 1.3.6.1.4.1.429.1.6.6.1.1.38.slot*1000 + channel mandatory read-write in mdm.mib	Allow V.8. call indicater to be disabled/enabled.	INTEGER 1 = enable 2 = disable	S54.6
V.34+ (S56.5)	mdmScV34pModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.39.slot*1000 + channel mandatory read-write in mdm.mib	Allows V34 plus modulation mode to be disabled. (default=0/enabled)	INTEGER 1 = enable 2 = disable	S56.5
300 Baud (S48.0)	mdmSc300 1.3.6.1.4.1.429.1.6.6.1.1.40.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 300 baud negotiations. Register S48.0 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.0
1200 Baud (S48.1)	mdmSc1200 1.3.6.1.4.1.429.1.6.6.1.1.41.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 1200 baud negotiations. Register S48.1 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.1
2400 Baud (S48.2)	mdmSc2400 1.3.6.1.4.1.429.1.6.6.1.1.42.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 2400 baud negotiations. Register S48.2 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.2
High Speed (S48.3)	mdmScHighSpeed 1.3.6.1.4.1.429.1.6.6.1.1.43.slot*1000 + channel mandatory read-write in mdm.mib	Restrict highspeed baud negotiations. Register S48.3 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.3
V.42 Selective Reject (S51.6)	mdmScSelectiveReject 1.3.6.1.4.1.429.1.6.6.1.1.44.slot*1000 + channel mandatory read-write in mdm.mib	Selective Reject register S51.6 is a function of the V.42/LAPM protocol. The default is enable (1)	INTEGER 1 = enable 2 = disable	S51.6
Phone Exclusion Delay (S51.7)	mdmScPhExclusionDel 1.3.6.1.4.1.429.1.6.6.1.1.45.slot*1000 + channel mandatory read-write in mdm.mib	Enable/disable phone extension delay S51.7. Default is enable	INTEGER 1 = disable 2 = enable	S51.7
Minimum High-Speed Direction Link Speed (&U)	mdmScLinkRateAmpU 1.3.6.1.4.1.429.1.6.6.1.1.46.slot*1000 + channel mandatory read-write in mdm.mib	Minimum high-speed direction link speed Default=variable.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200	&U

12 = bps21600
13 = bps24000
14 = bps26400
15 = bps28800
16 = bps31200
17 = bps33600
18 = bps33333
19 = bps37333
20 = bps41333
21 = bps42666
22 = bps44000
23 = bps45333
24 = bps46666
25 = bps48000
26 = bps49333
27 = bps50666
28 = bps52000
29 = bps53333
30 = bps54666
31 = bps56000
32 = bps57333
33 = bps64000
34 = bps28000
35 = bps29333
36 = bps30666
37 = bps32000
38 = bps34666
39 = bps36000
40 = bps38666
41 = bps40000
42 = bps58666
43 = bps60000
44 = bps61333
45 = bps62666

Call Control Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
MNP/V.42 Link Request Timeout (sec) (S52)	mdmCcMnpTimeout 1.3.6.1.4.1.429.1.6.7.1.1.29.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the MNP/V42 link request timeout for negotiation of 1200 and 2400 bps calls. Default=5.	INTEGER (0...14)	S52
Carrier Detect Delay (S7)	mdmCcWaitForCarrier 1.3.6.1.4.1.429.1.6.7.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem will wait for a carrier signal after dialing. Default=60.	INTEGER (0...255)	S7
Inactivity Timer (min) (S19)	mdmCcInactivityTimer 1.3.6.1.4.1.429.1.6.7.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration (in seconds) that the modem will maintain a connection when there is no activity on the phone line. The feature is disabled when set to 0. Default=0.	INTEGER (0...255)	S19
Dial on DTR Active (S13)	mdmCcAutoDialOnDtrEna 1.3.6.1.4.1.429.1.6.7.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will dial the number present in mdmCCPhoneString0 when the DTR signal transitions from low to high. Default=disable(1).	INTEGER 1 = disable 2 = enable	S13
Auto Dial on Power Up (S13.4)	mdmCcAutoDialOnPwrUpEna 1.3.6.1.4.1.429.1.6.7.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will dial the number present in mdmCcPhoneString0 on power up or after a reset. Default=disable(1).	INTEGER 1 = disable 2 = enable	S13.4
DTR Low before Ready (S27.6)	mdmCcGhostPortLockEna 1.3.6.1.4.1.429.1.6.7.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem requires that DTR go low before it will accept another call. The modem also implements a Fast Connect mode where CD is asserted before the link negotiation is complete. Default=disable(1).	INTEGER 1 = disable 2 = enable	S27.6
Result Codes (Qn|Dip 3|7)	mdmCcQuietResultCodes 1.3.6.1.4.1.429.1.6.7.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Determines whether or not the modem transmits result codes to the DTE. Default=noResult(2).	INTEGER 1 = displayResult 2 = noResult 3 = originateOnly	Qn|Dip 3|7
Verbal/Numeric Result Codes (Vn|Dip 2)	mdmCcResponseMode 1.3.6.1.4.1.429.1.6.7.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	Determines whether the modem transmits result codes in the verbal or numeric mode. Default=verbal(2).	INTEGER 1 = numeric 2 = verbal	Vn|Dip 2
Result Code Groups (X)	mdmCcResultCodeOptions 1.3.6.1.4.1.429.1.6.7.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Defines one of eight result code subsets and also defines indirectly how the modem reacts to dial tone etc. Equates to the modem's X register Default=1.	INTEGER (0...7)	X
ARQ Result Codes (&A)	mdmCcArqResultCodeMode	Defines whether or not the ARQ result codes are sent to the DTE	INTEGER	&A

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
	1.3.6.1.4.1.429.1.6.7.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	on connection(if result codes are enabled). Default=arqResultsEnabled(2).	1 = arqResultsDisabled 2 = arqResultsEnabled 3 = includeHstV32 4 = includeProtocol	
Response to +++ (Dip 9)	mdmCcEscCodeRsp 1.3.6.1.4.1.429.1.6.7.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Defines the action of the modem in response to the escape code(+++). The default value is determined by the state of Dip switch 2-3 on power up.	INTEGER 1 = goOnHook 2 = enterCommandMode 3 = ignoreEscCode	Dip 9
AT Command Recognition (Dip 8)	mdmCcAtRecognition 1.3.6.1.4.1.429.1.6.7.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Determines which if any AT commands the modem will recognize or accept from the DTE. Default=ignore(1).	INTEGER 1 = ignore 2 = queryOnly 3 = enableAll	Dip 8
Mgt. System Result Codes	mdmCcMgmtSysMsgDis 1.3.6.1.4.1.429.1.6.7.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem is to send special result codes triggered by user conflicts with the management system to the DTE. Default=enable(1).	INTEGER 1 = enable 2 = disable	
V.32 300/600 Hz Tone Times (S28)	mdmCcV32ToneDuration 1.3.6.1.4.1.429.1.6.7.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the duration (in 10ths of a second) that the modem transmits the 3000/600 Hz answer tones for V.32 handshaking. A setting of 0 eliminates these tones and will result in faster connect times for V.21 and V.23 calls. Default=8.	INTEGER (0...255)	S28
V.21 to V.23 Fallback Timer (S29)	mdmCcV21V23FallBackTimer 1.3.6.1.4.1.429.1.6.7.1.1.30.slot*1000 + channel mandatory read-write in mdm.mib	V21/V23 fallback timer 1/10 sec. NVRAM S Register S29. Default=20	INTEGER (0...255)	S29
Rings for Auto Answer (S0|Dip 5)	mdmCcAutoAnswer 1.3.6.1.4.1.429.1.6.7.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Determines the number of rings that the modem will answer calls on. When set to 0 the modem can only originate calls. Default=1.	INTEGER (0...255)	S0|Dip 5
Additional Answer Tone Time (S49)	mdmCcAddnlAnswToneDur 1.3.6.1.4.1.429.1.6.7.1.1.31.slot*1000 + channel optional read-write in mdm.mib	Additional answer tone duration 1/10 sec. NVRAM S Register S49. Default=16.	INTEGER (0...255)	S49
Answer in Originate Mode (S13.1)	mdmCcAnswerInOrigMode 1.3.6.1.4.1.429.1.6.7.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will answer calls using the sequence normaly used by the originating modem. Default=disable(1).	INTEGER 1 = disable 2 = enable	S13.1
Billing Delay Timer (S50)	mdmCcBillingDelayPeriod 1.3.6.1.4.1.429.1.6.7.1.1.32.slot*1000 + channel optional read-write in mdm.mib	Billing Delay Period. 1/50 sec. NVRAM S Register S50. Default=100.	INTEGER (0...255)	S50

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
Default Phone Number (&Z0)	mdmCcPhoneString0 1.3.6.1.4.1.429.1.6.7.1.1.20.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in modem's non volitile memory. Useful in providing quick access to frequently called numbers. In addition mdmCcPhoneString0 is used for the dial on power up and dial on DTR options.	DisplayString SIZE(0...36)	&Z0
Stored Phone Number 1 (&Z1)	mdmCcPhoneString1 1.3.6.1.4.1.429.1.6.7.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful for providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z1
Stored Phone Number 2 (&Z2)	mdmCcPhoneString2 1.3.6.1.4.1.429.1.6.7.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful in providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z2
Stored Phone Number 3 (&Z3)	mdmCcPhoneString3 1.3.6.1.4.1.429.1.6.7.1.1.23.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful in providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z3
ARQ Negotiation (&M)	mdmCcErrorCntlMode 1.3.6.1.4.1.429.1.6.7.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Defines if the modem is operating in synchronous or asynchronous mode and how it responds relative to negotiation of error control on asynchronous connections. When set to the default normalArq(3) the modem attempts to connect with error control but if unable to negotiate it connects anyway. When set to none(1) async connections do not attempt to use error control. When set to arqOnly(4) the modem will hang up if unable to negotiate error contol. When set to syncMode(2) the modem will not connect asynchronously.	INTEGER 1 = none 2 = syncMode 3 = normalArq 4 = arqOnly 5 = v25bisChar 6 = v25bisBit	&M
MI/MIC Closure for Call Detection (S34.5)	mdmCcMiMic 1.3.6.1.4.1.429.1.6.7.1.1.25.slot*1000 + channel mandatory read-write in mdm.mib	Specifies whether the modem will recognize MI/MIC closure as the mechanism for detecting incomming calls. Default=disable(1).	INTEGER 1 = disable 2 = enable	S34.5
MNP/V.42 @ 1200 bps (S51.0)	mdmCcMnpWith1200 1.3.6.1.4.1.429.1.6.7.1.1.26.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V42 negotiation on 1200 bps connections. Default=enable(1).	INTEGER 1 = enable 2 = disable	S51.0
MNP/V.42 @ 2400 bps (S51.1)	mdmCcMnpWith2400 1.3.6.1.4.1.429.1.6.7.1.1.27.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V43 negotiation on 2400 bps calls. default=enable(1).	INTEGER 1 = enable 2 = disable	S51.1
MNP/V.42 @ 9600 bps (S51.2)	mdmCcMnpWithV32 1.3.6.1.4.1.429.1.6.7.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V42 negotiation on V.32 connections. Default=enable(1).	INTEGER 1 = enable 2 = disable	S51.2

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
Data/Fax Mode (+FCLASS=)	mdmCcDataFaxMode 1.3.6.1.4.1.429.1.6.7.1.1.40.slot*1000 + channel mandatory read-write in mdm.mib	Gives the current Data/FAX mode of the modem.	INTEGER 1 = dataMode 2 = faxClass1Mode 3 = dataFaxClass1Mode 4 = faxClass2Mode 5 = dataFaxClass2Mode	+FCLASS=
T1 Call Setup (S47.0)	mdmCcT1CallSetupProc 1.3.6.1.4.1.429.1.6.7.1.1.41.slot*1000 + channel optional read-write in mdm.mib	Determines T1 call setup procedures used. Choices are 'normal' or 'none'. None assumes a dedicated (leased) DS0 assigned to the modem.Default=normalSetup(1).	INTEGER 1 = normalSetup 2 = noSetup	S47.0
T1 Tone Type (S47.1)	mdmCcT1DialToneType 1.3.6.1.4.1.429.1.6.7.1.1.42.slot*1000 + channel optional read-write in mdm.mib	Determines if MF or DTMF tones are used for T1 signaling. Default = mfTones(1).	INTEGER 1 = mfTones 2 = dtmfTones	S47.1
Dial Sequence Tone Encapsulation (S47.2)	mdmCcT1KpStMfTones 1.3.6.1.4.1.429.1.6.7.1.1.43.slot*1000 + channel optional read-write in mdm.mib	Determines the usage of KP and ST MF tone encapsulation of the dial sequence.Default=enable(1).	INTEGER 1 = enable 2 = disable	S47.2
Call Init String (S47.3)	mdmCcT1CallInitStrUse 1.3.6.1.4.1.429.1.6.7.1.1.44.slot*1000 + channel optional read-write in mdm.mib	Determines if calling init strings are used or not.Default=enable(1).	INTEGER 1 = enable 2 = disable	S47.3
ANI/DNIS Call Init Strings (S47.4)	mdmCcT1CallInitStrBase 1.3.6.1.4.1.429.1.6.7.1.1.45.slot*1000 + channel optional read-write in mdm.mib	Determines if the calling init strings are based upon DNIS or ANI.Default=dnisBase(1).	INTEGER 1 = dnisBase 2 = aniBase	S47.4
Blacklist Restriction (S40.1)	mdmCcIntBlackListDis 1.3.6.1.4.1.429.1.6.7.1.1.46.slot*1000 + channel mandatory read-write in mdm.mib	Disable BlackList restriction in the international modems. Default=0 (enable) s40.1 reg	INTEGER 1 = enable 2 = disable	S40.1
Off-Hook Restriction (S40.2)	mdmCcOffHookRestrict 1.3.6.1.4.1.429.1.6.7.1.1.47.slot*1000 + channel mandatory read-write in mdm.mib	Disable off-hook restriction in the international modems. Default=0 (enable) S40.2 reg	INTEGER 1 = enable 2 = disable	S40.2
ANI-Based Incoming Call Digits (S62)	mdmCcT1DialInAniDig 1.3.6.1.4.1.429.1.6.7.1.1.48.slot*1000 + channel optional read-write in mdm.mib	Sets the number of ANI digits allowed in incoming calls. Default = 0.	INTEGER (0...12)	S62
DNIS-Based Incoming Call Digits (S63)	mdmCcT1DialInDnisDig 1.3.6.1.4.1.429.1.6.7.1.1.49.slot*1000 + channel optional read-write	Sets the number of DNIS/DID digits allowed in incoming calls. Default = 0.	INTEGER (0...12)	S63

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
	in mdm.mib			
Packet Bus Answer Only (S47.5)	mdmCcNoPbNoConnEna 1.3.6.1.4.1.429.1.6.7.1.1.50.slot*1000 + channel optional read-write in mdm.mib	Sets if to answer a call when there is no Packet Bus link. Normal is the Default =0	INTEGER 1 = disable 2 = enable	S47.5
T1 Idle Disconnect Pattern (S71)	mdmCcIdleDiscPatt 1.3.6.1.4.1.429.1.6.7.1.1.51.slot*1000 + channel optional read-write in mdm.mib	Idle disconnect pattern sent to the T1 NAC. Normal values: USA = 1 international = 84. Default = 1. Configure the T1 identically. Consult the help screen user manual or US Robotics before changing. Modem register S71.	INTEGER (0...255)	S71
Originate MNP10 (S61.4)	mdmCcMnp10 1.3.6.1.4.1.429.1.6.7.1.1.52.slot*1000 + channel optional read-write in mdm.mib	S61.4 register disable/enable MNP10 originate mode.	INTEGER 1 = disable 2 = enable	S61.4
Originate MNP10EC (S61.5)	mdmCcMnp10Ec 1.3.6.1.4.1.429.1.6.7.1.1.53.slot*1000 + channel optional read-write in mdm.mib	S61.5 register disable/enable MNP10EC originate mode.	INTEGER 1 = disable 2 = enable	S61.5
ATZ Handling over Packet Bus (S72)	mdmCcAtzPbHandling 1.3.6.1.4.1.429.1.6.7.1.1.54.slot*1000 + channel optional read-write in mdm.mib	ATZ handling over Packet Bus. S72 REG	INTEGER 1 = normalAtz 2 = atzPbIgnored 3 = atzPbNvram	S72
DTMF Command (%T) Extended Support	mdmCcExtDTMFToneSupport 1.3.6.1.4.1.429.1.6.7.1.1.56.slot*1000 + channel mandatory read-write in mdm.mib	Enable/Disable DTMF extended support. Default = disable	INTEGER 1 = disable 2 = enable	%T
Default Dial-out PRI slot (S73)	mdmCcDefltPRISlot 1.3.6.1.4.1.429.1.6.7.1.1.55.slot*1000 + channel mandatory read-write in mdm.mib	Default dialout PRI slot. Default = 1	INTEGER (1...5)	S73
V.42bis Compression over V.120	mdmCcEnableV120v42Bis 1.3.6.1.4.1.429.1.6.7.1.1.59.slot*1000 + channel mandatory read-write in mdm.mib	V.42bis Compression over V.120. S67.4	INTEGER 1 = disable 2 = enable	

Modem Error Control Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP Level 3 Error Correction (S13.6)	mdmEcMnp3Dis 1.3.6.1.4.1.429.1.6.8.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will negotiate for MNP level 3 error correction. Default=enable.	INTEGER 1 = enable 2 = disable	S13.6
MNP Level 4 Error Correction (S15.4)	mdmEcMnp4Dis 1.3.6.1.4.1.429.1.6.8.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will negotiate for MNP level 4 error correction. Default=enable.	INTEGER 1 = enable 2 = disable	S15.4
Special 2400bps MNP (S15.6)	mdmEcMnpUnusual 1.3.6.1.4.1.429.1.6.8.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will attempt to negotiate for MNP operation used in some early 2400bps modems. Default=disable.	INTEGER 1 = disable 2 = enable	S15.6
V.42/MNP Negotiation Method (S27.4-5)	mdmEcV42MnpHandshake 1.3.6.1.4.1.429.1.6.8.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Determines what types of error correction the modem will attempt to negotiate. When configured for the default full V.42 and MNP the modem first tries to connect with V42 error control and then with MNP error control. When set to disable either V42 or MNP the modem will only attempt to negotiate the enabled protocol. When set to disable the V42 detect phase it is not included in the handshaking process. This allows for faster connections between V42 modems.	INTEGER 1 = enableAll 2 = enableV42disableMnp 3 = disablev42enablemnp 4 = disableDetectionPhase	S27.4-5
ARQ Buffer Reset Delay (S38)	mdmCcArqBufWait 1.3.6.1.4.1.429.1.6.7.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration (in seconds) that the modem waits on an ARQ call before clearing the transmit buffer and dropping carrier after DTR drops. This is to allow time for the remote modem to acknowledge receipt of all transmitted data. Default=0.	INTEGER (0...255)	S38

DNIS Access Codes

TCM Name	ASN.1 MIB	Description	Settings	Command
DNIS Group 1	mdmCcCarrierAccessCode1 1.3.6.1.4.1.429.1.6.7.1.1.33.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits (e.g. 9501755). This is the 1st of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 1	mdmCcCallingInitStr1 1.3.6.1.4.1.429.1.6.7.1.1.36.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This string is a configuration string of 1 to 30 characters (e.g. &F &F&B1&R1 etc.) This string does NOT include the AT attention prefix. This is the 1st of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Group 2	mdmCcCarrierAccessCode2 1.3.6.1.4.1.429.1.6.7.1.1.34.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits. This is the 2nd of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 2	mdmCcCallingInitStr2 1.3.6.1.4.1.429.1.6.7.1.1.37.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This string is 1 to 30 characters. It does NOT include the AT attention prefix. It is the 2nd of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Group 3	mdmCcCarrierAccessCode3 1.3.6.1.4.1.429.1.6.7.1.1.35.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits. This is the 3rd of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 3	mdmCcCallingInitStr3 1.3.6.1.4.1.429.1.6.7.1.1.38.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This is a string of 1 to 30 characters. It does NOT include the AT attention prefix. This is the 3rd of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Default String	mdmCcCallingInitStr4 1.3.6.1.4.1.429.1.6.7.1.1.39.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This is a string of 1 to 30 characters. It does NOT include the AT attention prefix. This is the 4th of 4 CAC init strings.	DisplayString SIZE(0...40)	

Link Security Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Link Security Enable (S53.0)	mdmLsSecurityEnable 1.3.6.1.4.1.429.1.6.14.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Allows to disable/enable the dial security feature for the modem.	INTEGER 1 = disable 2 = enable	S53.0
Fallback Password Prompting (S53.1)	mdmLsFallbackPromptEnable 1.3.6.1.4.1.429.1.6.14.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Disables/enables the prompting by the called modem when the auto pass password supplied by the caller fails or if no password is supplied at all.	INTEGER 1 = disable 2 = enable	S53.1
Forced Password Prompting (S53.3)	mdmLsForcePromptEnable 1.3.6.1.4.1.429.1.6.14.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	If this is enabled the modem will prompt the remote user for a password regardless of the success of the modem to negotiate the auto pass password.	INTEGER 1 = disable 2 = enable	S53.3
Local Access Password Enable (S53.2)	mdmLsLocAccPasswdEnable 1.3.6.1.4.1.429.1.6.14.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Disables/enables the Local Access Password feature used to establish security check when accessing any security setting.	INTEGER 1 = disable 2 = enable	S53.2
Dialback Prompting (%A=)	mdmLsDialBackEnable 1.3.6.1.4.1.429.1.6.14.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	If this is set to enable the modem after successful password validation will disconnect and dial out to the originating modem.	INTEGER 1 = disable 2 = enable	%A=
Autopass Password (%V=)	mdmLsAutoPassPasswd 1.3.6.1.4.1.429.1.6.14.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Contains the Auto Pass Password used for establishing Link security during call negotiation.	DisplayString SIZE(0...8)	%V=
Local Access Password (%L=)	mdmLsLocalAccessPasswd 1.3.6.1.4.1.429.1.6.14.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Contains the Local Access password used when accessing any security setting and when Local Access password feature is enabled.	DisplayString SIZE(0...8)	%L=
Fallback Password (%A=)	mdmLsAccountPasswd 1.3.6.1.4.1.429.1.6.14.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	Contains the fall back password which must be entered if auto pass password is not satisfied.	DisplayString SIZE(0...8)	%A=

Hub Security

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial In	mdmHsDialInEnable 1.3.6.1.4.1.429.1.6.15.1.1.2.slot*1000 + channel optional read-write in mdm.mib	Allows the modem to be configured for dial-in security. Enabling this effectively disables the modem's built-in Link security operation. The default for this object is disabled.	INTEGER 1 = disable 2 = allowNoNMC 3 = refuseNoNMC 4 = busyOutNoNMC	
Dial Out	mdmHsDialOutEnable 1.3.6.1.4.1.429.1.6.15.1.1.3.slot*1000 + channel optional read-write in mdm.mib	Allows modems to be configured for dial-out security. Enabling this effectively disables the modem's built-in link security operation. The default value for this object is disabled.	INTEGER 1 = disable 2 = refuseNoNMC 3 = allowNoNMC	
DTR DCD Delay	mdmHsDtrDcdDelay 1.3.6.1.4.1.429.1.6.15.1.1.4.slot*1000 + channel optional read-write in mdm.mib	Allows configuration of the time delay (in 100ths of a second) between reciept of DTR and assertion of DCD when the user on an incomming security call has successfully compleated the security dialog. This object only applies to modems using an RS232 like interface.	INTEGER (0...255)	
DTR DSR Delay	mdmHsDtrDsrDelay 1.3.6.1.4.1.429.1.6.15.1.1.5.slot*1000 + channel optional read-write in mdm.mib	Allows configuration of the delay (in 100ths of a second) between detection of DTR and assertion of DSR when an incomming security call has completed security negotiation successfully.	INTEGER (0...255)	

Cellular Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP10 Negotiation (S60.0)	mdmCeMnp10Dis 1.3.6.1.4.1.429.1.6.17.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 0 of S-register 60. It disable/enables MNP10 negotiation mostly used with cellular operations. (defualt=0)	INTEGER 1 = disable 2 = enable	S60.0
MNP Extended Services (S60.1)	mdmCeMnpxDis 1.3.6.1.4.1.429.1.6.17.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 1 of S-register 60. It will enable/disable the MNP extended services to be active during negotiation. This will mean that MNP10 will use V.42 to negotiate. (defualt=0)	INTEGER 1 = disable 2 = enable	S60.1
MNP10 Compression Type (S60.2)	mdmCeComp 1.3.6.1.4.1.429.1.6.17.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 2 of S-register 60. It selects which compression type will be negotiated if allowed by other modem settings. (default =0>	INTEGER 1 = mnp5 2 = v42bis	S60.2
MNP10 Cellular (S60.3)	mdmCeOperDis 1.3.6.1.4.1.429.1.6.17.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 3 of S-register 60. It announces that at least one end of the link will be across a cellular network. Therefore the Dyncamic Transmit Algorithm will be active. (default=0)	INTEGER 1 = disable 2 = enable	S60.3
MNP10 Link Speed (S60.4)	mdmCeLinkSpeed 1.3.6.1.4.1.429.1.6.17.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 4 of register 60 tells the modem which speed to establish the link at. (default=0)	INTEGER 1 = linkAtHighSpeed 2 = linkAt1200BpsV22	S60.4
MNP10 V.42bis Short Form Negotiation Rules (S61)	mdmCeShortFormRules 1.3.6.1.4.1.429.1.6.17.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	This object is the S-register 61. It takes a value from 0 to 3 and regulates the V.42bis Short Form Negotiation rules. The short form assumes that the maximum string length is always 32 octets and that the direction of compression is always bi-directional. (default=0)	INTEGER 1 = disable 2 = form1CodeWords512 3 = form2CodeWords1024 4 = form3CodeWords2048	S61
ETC Max. Link Rate (S64)	mdmCeDceBitraLim 1.3.6.1.4.1.429.1.6.17.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	This object is the S-register 64. It limits DCE bitrates to values equal to or below the chosen setting. (default=0)	INTEGER 1 = maxDceRate 2 = bps4800 3 = bps7200 4 = bps9600 5 = bps12000 6 = bps14400	S64
ETC Transmit Level (S65)	mdmCeDceTxLev 1.3.6.1.4.1.429.1.6.17.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	This object is S-register 65. It selects DCE TX level to use during cellular operations. (default=0)	INTEGER 1 = modemContrlTxLev 2 = dBm10 3 = dBm11 4 = dBm12 5 = dBm13 6 = dBm14 7 = dBm15	S65

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP10 Negotiation (S60.0)	mdmCeMnp10Dis 1.3.6.1.4.1.429.1.6.17.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 0 of S-register 60. It disable/enables MNP10 negotiation mostly used with cellular operations. (defualt=0)	INTEGER 1 = disable 2 = enable	S60.0
			8 = dBm16 9 = dBm17 10 = dBm18 11 = dBm19 12 = dBm20 13 = dBm21 14 = dBm22 15 = dBm23 16 = dBm24 17 = dBm25	
ETC Negotiation (S66.0)	mdmCeV42EtcDis 1.3.6.1.4.1.429.1.6.17.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 0 of S-register 66. It enables/disables ETC. (default=0)	INTEGER 1 = disable 2 = enable	S66.0
ETC Fixed/Mobile Site (S66.1)	mdmCeV42CellSite 1.3.6.1.4.1.429.1.6.17.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 1 of S-register 66. It selects fixed or mobile site operations. (default=0)	INTEGER 1 = fixedSite 2 = mobileSite	S66.1
ETC Calling Tone (S66.2)	mdmCeV42EtcCallToneDis 1.3.6.1.4.1.429.1.6.17.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 2 of S-register 66. It enables/disables ETC calling tone. (default=0)	INTEGER 1 = disable 2 = enable	S66.2
Force ETC Settings (S66.3)	mdmCeV42EtcTxLevConDis 1.3.6.1.4.1.429.1.6.17.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 3 of S-register 66. It enables/disables forced ETC TX level control. (default=0)	INTEGER 1 = disable 2 = enable	S66.3
ETC DCE Start-up Rate (S66.4 and S66.5)	mdmCeDceStartRate 1.3.6.1.4.1.429.1.6.17.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bits 4 and 5 of S-register 66. It sets the DCE startup rate. (default=0)	INTEGER 1 = auto 2 = bps4800 3 = bps9600	S66.4 and S66.5
ETC Transmit De-emphasis (S66.6)	mdmCeV42DceTxDemDis 1.3.6.1.4.1.429.1.6.17.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 6 of S-register 66. It enables/disables DCE TX De-emphasis. (default=0)	INTEGER 1 = disable 2 = enable	S66.6
MNP10 Fallback (S60.5)	mdmCeMnp10FallbackDis 1.3.6.1.4.1.429.1.6.17.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 5 of S-register 60. It enables/disables MNP10 fallback. (default=0)	INTEGER 1 = disable 2 = enable	S60.5
MNP10 Fall Forward (S60.6)	mdmCeMnp10FallforDis 1.3.6.1.4.1.429.1.6.17.1.1.17.slot*1000 + channel mandatory read-write	This object is the bit 6 of S-register 60. It enables/disables MNP10 fallforward. (default=0)	INTEGER 1 = disable	S60.6

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP10 Negotiation (S60.0)	mdmCeMnp10Dis 1.3.6.1.4.1.429.1.6.17.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 0 of S-register 60. It disable/enables MNP10 negotiation mostly used with cellular operations. (defualt=0)	INTEGER 1 = disable 2 = enable	S60.0
	in mdm.mib		2 = enable	
Do not Originate with ETC (S66.7)	mdmCeDbNoEtcDis 1.3.6.1.4.1.429.1.6.17.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 7 of S-register 66. It enables/disables non-ETC originate mode. (default=0/disable)	INTEGER 1 = disable 2 = enable	S66.7
MNPX Detection Pattern (S60.7)	mdmCeMnpxDetPhEna 1.3.6.1.4.1.429.1.6.17.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 7 of S-register 60. It enables/disables the MNPX detection phase during connection establishment. (default=0/enable).	INTEGER 1 = enable 2 = disable	S60.7

x2/V.90 Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Low-speed Direction Minimum Speed (S74)	mdmScLowerSpeedMin 1.3.6.1.4.1.429.1.6.6.1.1.47.slot*1000 + channel mandatory read-write in mdm.mib	Lower speed direction minimum Default=1.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666	S74

39 = bps36000
40 = bps38666
41 = bps40000
42 = bps58666
43 = bps60000
44 = bps61333
45 = bps62666

Low-speed Channel Maximum Speed (S75)	mdmScLowerSpeedMax 1.3.6.1.4.1.429.1.6.6.1.1.48.slot*1000 + channel mandatory read-write in mdm.mib	Lower speed direction maximum Default=1.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666 39 = bps36000 40 = bps38666 41 = bps40000 42 = bps58666 43 = bps60000	S75

			44 = bps61333 45 = bps62666	
x2 Client Mode (S76.0)	mdmScX2Client 1.3.6.1.4.1.429.1.6.6.1.1.49.slot*1000 + channel mandatory read-write in mdm.mib	X2 Client Mode Disable Default=enabled.	INTEGER 1 = enabled 2 = disabled	S76.0
x2 Server Mode (S76.1)	mdmScX2Server 1.3.6.1.4.1.429.1.6.6.1.1.50.slot*1000 + channel mandatory read-write in mdm.mib	X2 Server Mode Disable Default=enabled.	INTEGER 1 = enabled 2 = disabled	S76.1
x2 Symmetric Mode (S76.2)	mdmScX2Symmetric 1.3.6.1.4.1.429.1.6.6.1.1.51.slot*1000 + channel mandatory read-write in mdm.mib	X2 Symmetric Mode Disable Default=enable.	INTEGER 1 = enabled 2 = disabled	S76.2
x2 High-power Constellation (S76.7)	mdmScX2HighPowerConst 1.3.6.1.4.1.429.1.6.6.1.1.52.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable/disable the X2 high-power constellation. This object is only valid in countries where it is legal. It corresponds to S Register 76.7 Default = Disable(1).	INTEGER 1 = disable 2 = enable	S76.7
Tx Power Level (S82)	mdmScTxPwrLvl 1.3.6.1.4.1.429.1.6.6.1.1.55.slot*1000 + channel mandatory read-write in mdm.mib	This object configures the power level. It applies to S-register S82.	INTEGER (0...31)	S82
Tx Power Level Applied (S81.0)	mdmScTxPwrLvlApplied 1.3.6.1.4.1.429.1.6.6.1.1.56.slot*1000 + channel mandatory read-write in mdm.mib	This object configures where the power level is applied. It applies to S-register S81.0.	INTEGER 1 = inputToFarEndOfCodec 2 = outputOfTheServerModem	S81.0
x2 Version 2 Modulation (S81.1)	mdmScX2Version2 1.3.6.1.4.1.429.1.6.6.1.1.57.slot*1000 + channel mandatory read-write in mdm.mib	This object is the x2 Version 2 Modulation. It applies to S-register S81.1	INTEGER 1 = enabled 2 = disabled	S81.1
x2 Fallback to V.34 (S76.3)	mdmScV34Fallback 1.3.6.1.4.1.429.1.6.6.1.1.58.slot*1000 + channel mandatory read-write in mdm.mib	This object is the x2 fallback to v34. It applies to S-register S76.3	INTEGER 1 = enabled 2 = disabled	S76.3
V.90 All Digital Mode (S81.6)	mdmScV90AllDigital 1.3.6.1.4.1.429.1.6.6.1.1.61.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 symmetric modulation. Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.6
V.90 Analogue Mode (S81.4)	mdmScV90Analogue 1.3.6.1.4.1.429.1.6.6.1.1.59.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 client modulation.Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.4
V.90 Digital Mode (S81.5)	mdmScV90Digital 1.3.6.1.4.1.429.1.6.6.1.1.60.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 server modulation.Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.5

Remote Modem Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Manufacturer ID	rmdmIdManufactureId 1.3.6.1.4.1.429.1.20.1.1.1.2.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Manufacture ID from the remote modem. The ID is assigned by the Internet Assigned Numbers Authority.	INTEGER	
Product Code	rmdmIdProductCode 1.3.6.1.4.1.429.1.20.1.1.1.3.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Product Code from the remote modem.	DisplayString SIZE(0...31)	
Serial Number	rmdmIdSerialNo 1.3.6.1.4.1.429.1.20.1.1.1.4.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Serial Number from the remote modem.	DisplayString SIZE(0...31)	
Firmware Version	rmdmIdFwVer 1.3.6.1.4.1.429.1.20.1.1.1.5.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Firmware Version from the remote modem.	DisplayString SIZE(0...11)	
Firmware Build Date	rmdmIdFwBuildDate 1.3.6.1.4.1.429.1.20.1.1.1.6.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Firmware build date from the remote modem.	DisplayString SIZE(0...11)	

ISDN Modem Call Control Options

TCM Name	ASN.1 MIB	Description	Settings	Command
V110 Rate Adaption (S67.0)	imdmCcRateAdapV110 1.3.6.1.4.1.429.1.19.1.1.1.2.slot*1000 + channel mandatory read-write in imdm.mib	This object enables V110 rate adaption corresponds to S register S67 bit 0. Default = 1	INTEGER 1 = disable 2 = enable	S67.0
Force Fixed Network Rate (S67.1)	imdmCcFixedNtwkRate 1.3.6.1.4.1.429.1.19.1.1.1.3.slot*1000 + channel mandatory read-write in imdm.mib	This object sets the fixed network rate. This object correspond to S register S67 bit 1. Default = 1	INTEGER 1 = notForced 2 = forceNetworkRate	S67.1
Force Network Rate Speed (S67.2)	imdmCcNetworkRate 1.3.6.1.4.1.429.1.19.1.1.1.4.slot*1000 + channel mandatory read-write in imdm.mib	This object sets the Network rate speed. This object corresponds to the modem S register S67 bit 2. Default = 1	INTEGER 1 = kbps56 2 = kbps64	S67.2
Enable 45-65 Second Link Delay (S67.4)	imdmCcBcLinkDly 1.3.6.1.4.1.429.1.19.1.1.1.5.slot*1000 + channel mandatory read-write in imdm.mib	This object enable a 45 - 65 second link delay. This object corresponds to the S register S67 bit 4. Default = 1	INTEGER 1 = noDelay 2 = delay	S67.4
Analog Calls Over Digital (S68.0)	imdmCcAnlgOvrDig 1.3.6.1.4.1.429.1.19.1.1.1.6.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set S register S68 bit 0 which does not allow analog calls over digital data connection. Default = 1	INTEGER 1 = enable 2 = disable	S68.0
Async PPP/Sync PPP Conversion (S68.4)	imdmCcAsyncPPP 1.3.6.1.4.1.429.1.19.1.1.1.7.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to disable/enable async PPP/ sync PPP conversion. This object corresponds to S register S68 bit 2. Default = 1	INTEGER 1 = enable 2 = disable	S68.4
X.75 (S68.5)	imdmCcX75 1.3.6.1.4.1.429.1.19.1.1.1.8.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to disable/enable X75. This object corresponds to S register S68 bit 3. Default = 1	INTEGER 1 = enable 2 = disable	S68.5
Set Data Mode of Modem (*V2=x)	imdmCcStarV2 1.3.6.1.4.1.429.1.19.1.1.1.9.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the data mode of the modem and is equivalent to *V2 = x AT command. Default =1	INTEGER 1 = autodetect 2 = v120rateAdapOnly 3 = v110rateAdapOnly 4 = modemOrFaxOnly 5 = clearChannelSync 6 = asyncSyncPPPconv 7 = x75	*V2=x
Set Originate HDLC Protocol (*U1=x)	imdmCcStarU1 1.3.6.1.4.1.429.1.19.1.1.1.10.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate HDLC protocols of the modem and is equivalent to *U1 = x AT command. Default =2	INTEGER 1 = none 2 = v120 3 = x75	*U1=x

TCM Name	ASN.1 MIB	Description	Settings	Command
V110 Rate Adaption (S67.0)	imdmCcRateAdapV110 1.3.6.1.4.1.429.1.19.1.1.1.2.slot*1000 + channel mandatory read-write in imdm.mib	This object enables V110 rate adaption corresponds to S register S67 bit 0. Default = 1	INTEGER 1 = disable 2 = enable	S67.0
			4 = ppp	
Set Originate Non-HDLC Protocol (*U2=x)	imdmCcStarU2 1.3.6.1.4.1.429.1.19.1.1.1.11.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate Non-HDLC protocols of the modem and is equivalent to *U2 = x AT command. Default =1	INTEGER 1 = none 2 = v110	*U2=x
Set Originate Analog Modem/Fax Data Mode (*U3=x)	imdmCcStarU3 1.3.6.1.4.1.429.1.19.1.1.1.12.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate Analog modem/fax data mode of the modem and is equivalent to *U3 = x AT command. Default =2	INTEGER 1 = none 2 = analogModemFax	*U3=x
V120 (S68.6)	imdmCcV120 1.3.6.1.4.1.429.1.19.1.1.1.13.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to Enable/Disable V120. This Object corresponds to S register 68 bit 4 default=1	INTEGER 1 = enable 2 = disable	S68.6
X75 Frame Size	imdmCcFrameSize 1.3.6.1.4.1.429.1.19.1.1.1.14.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to set the Frame size for X75. Default = 2048	INTEGER (1...2048)	
X75 Window Size	imdmCcWindowSize 1.3.6.1.4.1.429.1.19.1.1.1.15.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to set the Window Size of X75 default=2	INTEGER (1...7)	

PIAFS Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
PIAFS Protocol (S72.4)	mdmScPiafs 1.3.6.1.4.1.429.1.6.6.1.1.53.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable/disable PIAFS protocol. It corresponds to S Register 72.4 Default = enable(1).	INTEGER 1 = enable 2 = disable	S72.4
PIAFS V42bis Compression (S72.5)	mdmScPiafsV42bis 1.3.6.1.4.1.429.1.6.6.1.1.54.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable/disable PIAFS V42bis compression protocol. It corresponds to S Register 72.5. Default = enable(1).	INTEGER 1 = enable 2 = disable	S72.5

Remote Modem Call Control Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Send On Connect (S79.0)	rmdmScSendOnConnect 1.3.6.1.4.1.429.1.20.3.1.1.2.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for sending on call connect. S-register S79.0	INTEGER 1 = enabled 2 = disabled	
Send Speed Shift Retrain (S79.1)	rmdmScSendSpeedShiftRet 1.3.6.1.4.1.429.1.20.3.1.1.3.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for sending on Speed Shift or Retrain. S-register S79.1	INTEGER 1 = enabled 2 = disabled	
Send On Planned Disconnect (S79.2)	rmdmScSendOnPlanDisc 1.3.6.1.4.1.429.1.20.3.1.1.4.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for sending on Planned Disconnect. S-register S79.2	INTEGER 1 = enabled 2 = disabled	
Receive On Connect (S80.0)	rmdmScRcvConnect 1.3.6.1.4.1.429.1.20.3.1.1.5.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for receive on connection. S-register S80.0	INTEGER 1 = enabled 2 = disabled	
Receive Speed Shift Retrain (S80.1)	rmdmScRcvSpeedShiftRet 1.3.6.1.4.1.429.1.20.3.1.1.6.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for receive on Speed Shift or Retrain. S-register S80.1	INTEGER 1 = enabled 2 = disabled	
Receive On Planned Disconnect (S80.2)	rmdmScRcvOnPlanDisc 1.3.6.1.4.1.429.1.20.3.1.1.7.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for receive on Planned Disconnect. S-register S80.2	INTEGER 1 = enabled 2 = disabled	

Data over Voice Bearer Service (DOVBS)

TCM Name	ASN.1 MIB	Description	Settings	Command
Data Over Voice	mdmCcDataOverVoice 1.3.6.1.4.1.429.1.6.7.1.1.57.slot*1000 + channel mandatory read-write in mdm.mib	Data Over Voice support originate S68.1.	INTEGER 1 = disable 2 = enable	
2100 Answer Tone	mdmCc2100AnswerTone 1.3.6.1.4.1.429.1.6.7.1.1.58.slot*1000 + channel mandatory read-write in mdm.mib	Data Over Voice support answer S68.2.	INTEGER 1 = disable 2 = enable	

Tone Test

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial In Tone Tests	mdmTfDialInToneTest 1.3.6.1.4.1.429.1.6.4.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable Dial in Tone Tests.	INTEGER 1 = disable 2 = enable	

Analog Fax over CDMA

TCM Name	ASN.1 MIB	Description	Settings	Command
Max Rate Service Option 20 (S94)	mdmCcAfaxMaxRateSrvOpt20 1.3.6.1.4.1.429.1.6.7.1.1.62.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to limit the maximum rate for an Analog Fax Connection. Service option 20. Upper nibble of the S94 register.	INTEGER 1 = bps2400 2 = bps4800 3 = bps7200 4 = bps9600 5 = bps12000 6 = bps14400	
Max Rate Service Option 21 (S94)	mdmCcAfaxMaxRateSrvOpt21 1.3.6.1.4.1.429.1.6.7.1.1.63.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to limit the maximum rate for an Analog Fax Connection. Service option 21. Lower nibble of S94 register.	INTEGER 1 = bps2400 2 = bps4800 3 = bps7200 4 = bps9600 5 = bps12000 6 = bps14400	

10 NetServer Card-level Parameters

This chapter describes the NETServer card-level parameters applicable to NACs operating with these software applications:

- HiPer Access Router Concentrator
- HiPer ARC

AutoResponse Events

NetServer Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Reconfigure from NVRAM
- Restore Analog Phone Line
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)
- Remove DS0 from Service Slot(N)Span(N)Channel(N)
- Restore DS0 to Service Slot(N)Span(N)Channel(N)
- Block Analog on DS0 Slot(N)Span(N)Channel(N)
- Block Digital on DS0 Slot(N)Span(N)Channel(N)
- Block All on DS0 Slot(N)Span(N)Channel(N)
- Block No calls on DS0 Slot(N)Span(N)Channel(N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Network Access Failed	gwTeArNetFailed 1.3.6.1.4.1.429.1.18.1.1.1.5.slot*1000 mandatory read-write in gw.mib	This script is triggered when a Gateway NAC sends the NMC a network fail event.	OCTET STRING SIZE(0...40)	
Network Access Restored	gwTeArNetRestored 1.3.6.1.4.1.429.1.18.1.1.1.6.slot*1000 mandatory read-write in gw.mib	This script is triggered when a Gateway NAC sends the NMC a network restored event.	OCTET STRING SIZE(0...40)	

11 TOKEN RING NETSERVER CARD-LEVEL PARAMETERS

This chapter describes the NETServer card-level parameters applicable to NACs operating with these software applications:

- T1 Direct Gateway Token Ring ISDN NetServer
- T1 Direct Gateway upgrade for the Token Ring ISDN NetServer

AutoResponse Events

NetServer Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Reconfigure from NVRAM
- Restore Analog Phone Line
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)
- Remove DS0 from Service Slot(N)Span(N)Channel(N)
- Restore DS0 to Service Slot(N)Span(N)Channel(N)
- Block Analog on DS0 Slot(N)Span(N)Channel(N)
- Block Digital on DS0 Slot(N)Span(N)Channel(N)
- Block All on DS0 Slot(N)Span(N)Channel(N)
- Block No calls on DS0 Slot(N)Span(N)Channel(N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Network Access Failed	gwTeArNetFailed 1.3.6.1.4.1.429.1.18.1.1.1.5.slot*1000 mandatory read-write in gw.mib	This script is triggered when a Gateway NAC sends the NMC a network fail event.	OCTET STRING SIZE(0...40)	
Network Access Restored	gwTeArNetRestored 1.3.6.1.4.1.429.1.18.1.1.1.6.slot*1000 mandatory read-write in gw.mib	This script is triggered when a Gateway NAC sends the NMC a network restored event.	OCTET STRING SIZE(0...40)	

12 NETWORK MANAGEMENT CARD PARAMETERS

This chapter describes the parameters for all NMC NACs.

Actions/Commands

Software Commands

NMC Card Actions:

- No Command (NF)
- Save Chassis to NVRAM (NF)
- Restore Chassis from Default (NF)
- Restore Chassis from NVRAM (NF)
- Non-Disruptive Self-Test (NF)
- Software Reset (NF)
- Save UI to EEPROM (NF)
- Restore NMC from Default (NF)
- Restore NMC from NVRAM (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
	nmcCmdMgtStationId 1.3.6.1.4.1.429.1.2.4.1 mandatory read-write in nmc.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ds0CmdReqId and ds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
nmcCmdReqId	nmcCmdReqId 1.3.6.1.4.1.429.1.2.4.2 mandatory read-write	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command or test on this Network Management Card. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
	nmcCmdMgtStationId 1.3.6.1.4.1.429.1.2.4.1 mandatory read-write in nmc.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ds0CmdReqId and ds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	in nmc.mib			
nmcCmdFunction	nmcCmdFunction 1.3.6.1.4.1.429.1.2.4.3 mandatory read-write in nmc.mib	This object contains the value which decsribe the command which is being invoked.	INTEGER 1 = noCommand 2 = saveToNvram 3 = restoreFromDefaults 4 = restoreFromNvram 5 = nonDisruptSelfTest 6 = softwareReset 7 = saveUiParmsToEEPROM 8 = restoreNmcFromDefaults 9 = restoreNmcFromNvram 10 = bulkFileUpload 11 = bulkFileDownload 12 = openAuxOutputPort1 13 = openAuxOutputPort2 14 = closeAuxOutputPort1 15 = closeAuxOutputPort2	
nmcCmdForce	nmcCmdForce 1.3.6.1.4.1.429.1.2.4.4	In some cases the Network Managment Card may be in a state such that certain commands could adversely affect operations. In such cases a command request	INTEGER 1 = noForce	

TCM Name	ASN.1 MIB	Description	Settings	Command
	nmcCmdMgtStationId 1.3.6.1.4.1.429.1.2.4.1 mandatory read-write in nmc.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ds0CmdReqId and ds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	mandatory read-write in nmc.mib	with this object not present or set to noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent issue of the command to cause the command to be carried out regardless of its potentially hazzardous effects.	2 = force	
nmcCmdParam	nmcCmdParam 1.3.6.1.4.1.429.1.2.4.5 mandatory read-write in nmc.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
nmcCmdResult	nmcCmdResult 1.3.6.1.4.1.429.1.2.4.6 mandatory read-only in nmc.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
nmcCmdCode	nmcCmdCode 1.3.6.1.4.1.429.1.2.4.7 mandatory read-only	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. In the case of tests a bit mapped result of each of the sub-tests performed	INTEGER 1 = noError 2 = unable	

TCM Name	ASN.1 MIB	Description	Settings	Command
	nmcCmdMgtStationId 1.3.6.1.4.1.429.1.2.4.1 mandatory read-write in nmc.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ds0CmdReqId and ds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	in nmc.mib	appears in the nmcStatTestResult object.	5 = unrecognizedData 6 = unrecognizedCommand 8 = slotEmpty 20 = unsupportedCommand 25 = testFailed 27 = nvramAccessConflict 63 = erasingFlashError 72 = badCRC 73 = pendingSoftwareDownload 81 = erasingFlash 86 = fileTransferTimedOut 88 = unrecognizedFile 93 = fileTransferInProgress 115 = pendingFileTransfer	

AutoResponse

AutoResponse Events

NMC Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) seconds
- Terminate Script Execution
- Continue If Test Passes
- Configure Module From NMC NVRAM
- Configure Module From NMC Factory Defaults
- Test Module
- Reset Module

TCM Name	ASN.1 MIB	Description	Settings	Command
PSU Voltage Out of Range	uchasArPsuVoltOutOfRange 1.3.6.1.4.1.429.1.1.9.1.0 optional read-write in chs.mib	This script is triggered when the NMC detects that voltage levels for at least one power supply on the mid plane are outside the normal operating range.	OCTET STRING SIZE(0...40)	
PSU Failed	uchasArPsuFailed 1.3.6.1.4.1.429.1.1.9.2.0 optional read-write in chs.mib	This script is triggered when the NMC detects an over-voltage or over-current condition present in the PSU.	OCTET STRING SIZE(0...40)	
Fan Failed	uchasArFanFailed 1.3.6.1.4.1.429.1.1.9.3.0	This script is triggered when the fan speed becomes dangerously slow as to risk damage to inadequate cooling of the chassis.	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
PSU Voltage Out of Range	uchasArPsuVoltOutOfRange 1.3.6.1.4.1.429.1.1.9.1.0 optional read-write in chs.mib	This script is triggered when the NMC detects that voltage levels for at least one power supply on the mid plane are outside the normal operating range.	OCTET STRING SIZE(0...40)	
	optional read-write in chs.mib			
HUB Temperature Out Of Range	uchasArHubTempOutOfRange 1.3.6.1.4.1.429.1.1.9.4.0 optional read-write in chs.mib	This script is triggered when the chassis temperature is outside the specified normal operating range.	OCTET STRING SIZE(0...40)	
Global Timer 1 Expired	uchasArTimer1 1.3.6.1.4.1.429.1.1.9.5.0 optional read-write in chs.mib	This script is triggered when the first general purpose timer expires.	OCTET STRING SIZE(0...40)	
Global Timer 2 Expired	uchasArTimer2 1.3.6.1.4.1.429.1.1.9.6.0 optional read-write in chs.mib	This script is triggered when the second general purpose timer expires.	OCTET STRING SIZE(0...40)	
Global Timer 3 Expired	uchasArTimer3 1.3.6.1.4.1.429.1.1.9.7.0 optional read-write in chs.mib	This script is triggered when the third general purpose timer expires.	OCTET STRING SIZE(0...40)	
Global Timer 4 Expired	uchasArTimer4 1.3.6.1.4.1.429.1.1.9.8.0 optional read-write	This script is triggered when the fourth general purpose timer expires.	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
PSU Voltage Out of Range	uchasArPsuVoltOutOfRange 1.3.6.1.4.1.429.1.1.9.1.0 optional read-write in chs.mib	This script is triggered when the NMC detects that voltage levels for at least one power supply on the mid plane are outside the normal operating range.	OCTET STRING SIZE(0...40)	
	in chs.mib			

NMC Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Authentication Failure	nmcCfgAuthFailTrapEnable 1.3.6.1.4.1.429.1.2.1.5.0 mandatory read-write in nmc.mib	This object indicates whether or not the SNMP Proxy Agent running in the Network Management Card is to send a trap upon reception of an SNMP message that was not properly authenticated. MIB-I and II require a mechanism for enabling/disabling generation of this trap.	INTEGER 1 = enable 2 = disable	
On DNS Server Lost	nmcTeDnsSrvrLoss 1.3.6.1.4.1.429.1.2.7.14.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with the primary and secondary DNS server has been lost.	INTEGER 1 = enable 2 = disable	
On NTP Server Lost	nmcTeNtpSrvrLoss 1.3.6.1.4.1.429.1.2.7.15.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with all NTP servers has failed.	INTEGER 1 = enable 2 = disable	
On NTP Server Restored	nmcTeNtpSrvrRestore 1.3.6.1.4.1.429.1.2.7.16.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with the NTP server has been restored.	INTEGER 1 = enable 2 = disable	
On Primary NTP Server Failed	nmcTeNtpSrvrDegraded 1.3.6.1.4.1.429.1.2.7.17.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with the primary NTP server has failed but the secondary has been restored.	INTEGER 1 = enable 2 = disable	
On DNS Server Restored	nmcTeDnsSrvrRestore 1.3.6.1.4.1.429.1.2.7.18.0	Enable/disable for the trap generated when communication with the primary DNS server has been restored.Default=disable.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
On Authentication Failure	nmcCfgAuthFailTrapEnable 1.3.6.1.4.1.429.1.2.1.5.0 mandatory read-write in nmc.mib	This object indicates whether or not the SNMP Proxy Agent running in the Network Management Card is to send a trap upon reception of an SNMP message that was not properly authenticated. MIB-I and II require a mechanism for enabling/disabling generation of this trap.	INTEGER 1 = enable 2 = disable	
	mandatory read-write in nmc.mib		1 = enable 2 = disable	
On Primary DNS Server Failed	nmcTeDnsSrvrDegraded 1.3.6.1.4.1.429.1.2.7.19.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with the primary DNS server has failed but the secondary DNS server is operational.Default=disabled.	INTEGER 1 = enable 2 = disable	
On Logging Server Restored	nmcTeLogSrvrRestore 1.3.6.1.4.1.429.1.2.7.20.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with a logging server has been restored.	INTEGER 1 = enable 2 = disable	
On Logging Server Lost	nmcTeLogSrvrLoss 1.3.6.1.4.1.429.1.2.7.9.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with a logging server has been lost.	INTEGER 1 = enable 2 = disable	
On Logging Server Group Operational	nmcTeLogSrvrGroupOper 1.3.6.1.4.1.429.1.2.7.21.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when the communication with the group of logging servers is operational with the primary server in service.	INTEGER 1 = enable 2 = disable	
On Logging Server Group Degraded	nmcTeLogSrvrGroupDegr 1.3.6.1.4.1.429.1.2.7.22.0 mandatory read-write	Enable/disable from the trap generated when the communication with the group of logging servers has degraded with a non-primary server in service.	INTEGER 1 = enable 2 = disable	

TCM Name	ASN.1 MIB	Description	Settings	Command
On Authentication Failure	nmcCfgAuthFailTrapEnable 1.3.6.1.4.1.429.1.2.1.5.0 mandatory read-write in nmc.mib	This object indicates whether or not the SNMP Proxy Agent running in the Network Management Card is to send a trap upon reception of an SNMP message that was not properly authenticated. MIB-I and II require a mechanism for enabling/disabling generation of this trap.	INTEGER 1 = enable 2 = disable	
	in nmc.mib			
On Logging Server Group Non-Operational	nmcTeLogSrvrGroupNonOp 1.3.6.1.4.1.429.1.2.7.23.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when the communication with the group of logging servers is non-operational.	INTEGER 1 = enable 2 = disable	
On RADIUS Server Restored	nmcTeSecSrvrRestore 1.3.6.1.4.1.429.1.2.7.24.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with the RADIUS Security server has been restored.Default=disabled	INTEGER 1 = enable 2 = disable	
On RADIUS Server Group Operational	nmcTeSecSrvrGroupOper 1.3.6.1.4.1.429.1.2.7.25.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication to the RADIUS Security server group becomes operational.Default=disabled	INTEGER 1 = enable 2 = disable	
On RADIUS Server Group Degraded	nmcTeSecSrvrGroupDegr 1.3.6.1.4.1.429.1.2.7.26.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication to the RADIUS Security server group becomes degraded because of failure to contact primary server.Default=disabled	INTEGER 1 = enable 2 = disable	
On RADIUS Server Group Non-Operational	nmcTeSecSrvrGroupNonOp 1.3.6.1.4.1.429.1.2.7.27.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication to the RADIUS Security server group becomes non-operational because of failure to contact any Security servers.Default=disabled	INTEGER 1 = enable 2 = disable	

Chassis Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
Card Inserted	uchasModuleInsertedTrapEna 1.3.6.1.4.1.429.1.1.8.1.0 optional read-write in chs.mib	Enables the generation of a trap when a card is inserted into the chassis. This parameter is effective across all slots in the chassis.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Card Removed	uchasModuleRemovedTrapEna 1.3.6.1.4.1.429.1.1.8.2.0 optional read-write in chs.mib	Enables the generation of a trap when a card is removed from the chassis. This parameter is effective across all slots in the chassis.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Power Supply Out-of-Range	uchasPSUWarningTrapEna 1.3.6.1.4.1.429.1.1.8.3.0 optional read-write in chs.mib	Enables the generation of a trap when a power supply enters a warning state such as one or more output voltages being out of range. This parameter is effective across all PSUs in the chassis.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Power Supply Failed	uchasPSUFailureTrapEna 1.3.6.1.4.1.429.1.1.8.4.0 optional read-write in chs.mib	Enables the generation of a trap when a power supply fails and has been automatically shut down due to overvoltage overcurrent etc. This parameter is effective across all PSUs in the chassis.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
High Temperature Detected	uchasTempWarningTrapEna	Enables the generation of a trap when the temperature in the chassis as detected by the NMC becomes excessive.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Card Inserted	uchasModuleInsertedTrapEna 1.3.6.1.4.1.429.1.1.8.1.0 optional read-write in chs.mib	Enables the generation of a trap when a card is inserted into the chassis. This parameter is effective across all slots in the chassis.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
	1.3.6.1.4.1.429.1.1.8.5.0 optional read-write in chs.mib		1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Fan Failure Detected	uchasFanFailureTrapEna 1.3.6.1.4.1.429.1.1.8.6.0 optional read-write in chs.mib	Enables the generation of a trap when the fan in the chassis is not rotating with sufficient speed to cool the power supplies.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Generate Watchdog Traps	uchasEntityWatchdogTrapEna 1.3.6.1.4.1.429.1.1.8.7.0 mandatory read-write in chs.mib	Enables the generation of a trap when a logical networking entity in the chassis undergoes a watchdog timeout event indicating software failure.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
NMC Communication Error	uchasEntityMgtBusFailTrapEna 1.3.6.1.4.1.429.1.1.8.8.0 mandatory read-write in chs.mib	Enables the generation of a trap when the SNMP proxy agent in the NMC is unable to communicate properly with a logical networking entity in the chassis.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

TCM Name	ASN.1 MIB	Description	Settings	Command
Card Inserted	uchasModuleInsertedTrapEna 1.3.6.1.4.1.429.1.1.8.1.0 optional read-write in chs.mib	Enables the generation of a trap when a card is inserted into the chassis. This parameter is effective across all slots in the chassis.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
PSU's Incompatible Trap	uchasPsuIncompatible 1.3.6.1.4.1.429.1.1.8.9.0 mandatory read-write in chs.mib	Enables the generation of a trap when the PSUs are not of the same ampere ratings in the chassis. Default = Enable Trap.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

HUB Security Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Back Restrict Number Trap	nmcTeDialBackRestrictNum 1.3.6.1.4.1.429.1.2.7.4.0 optional read-write in nmc.mib	Enable/disable for the trap generated when a dial back security session has failed as a result of attempting to dial a restricted phone number.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
User Blacklist Trap	nmcTeUserBlacklist 1.3.6.1.4.1.429.1.2.7.5.0 optional read-write in nmc.mib	Enable/disable for the trap generated when a security user has reached their final failed login attempt number and is now being blacklisted.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
User Blacklist Login Trap	nmcTeUserBlacklistLogin 1.3.6.1.4.1.429.1.2.7.6.0 optional read-write in nmc.mib	Enable/disable for the trap generated when a security login attempt by a currently blacklisted user has occurred.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Response Attempt Limit Exceeded Trap	nmcTeRespAttmptLimExceed 1.3.6.1.4.1.429.1.2.7.7.0 optional read-write in nmc.mib	Enable/disable for the trap generated when a security user has failed to issue a valid response to a particular security prompt before the configured limit.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Login Attempt Limit Exceeded Trap	nmcTeLoginAttmptLimExceed	Enable/disable for the trap generated when a security session has failed because the indicated user does not appear in the security	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Back Restrict Number Trap	nmcTeDialBackRestrictNum 1.3.6.1.4.1.429.1.2.7.4.0 optional read-write in nmc.mib	Enable/disable for the trap generated when a dial back security session has failed as a result of attempting to dial a restricted phone number.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
	1.3.6.1.4.1.429.1.2.7.8.0 optional read-write in nmc.mib	user database.	1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Security Server Lost	nmcTeSecSrvrLoss 1.3.6.1.4.1.429.1.2.7.10.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when communication with a security server has been lost.	INTEGER 1 = enable 2 = disable	

Packet Bus Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Single Packet Bus Clock Fail	nmcTeSinglePbClockFail 1.3.6.1.4.1.429.1.2.7.11.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when the NMC detects that there is a packet bus clock failure in a single slot.Default=enable(1).	INTEGER 1 = enable 2 = disable	
Packet Bus Clock Switch	nmcTePbClockSwitch 1.3.6.1.4.1.429.1.2.7.12.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when the NMC detects that there is a packet bus clock failure in multiple slots and the NMC has assumed the role of clock master.Default=enable(1).	INTEGER 1 = enable 2 = disable	
Packet Bus Clock Fail	nmcTePbClockFail 1.3.6.1.4.1.429.1.2.7.13.0 mandatory read-write in nmc.mib	Enable/disable for the trap generated when the NMC detects that the packet bus clock on the NMC daughter board pcb has failed. Check status of nmcStatPktBusClkSrc to determine if the NMC was acting as clock master.Default=enable(1).	INTEGER 1 = enable 2 = disable	

Performance

Status Group

TCM Name	ASN.1 MIB	Description	Settings	Command
General NMC Status	nmcStatStatus 1.3.6.1.4.1.429.1.2.2.1.0 mandatory read-only in nmc.mib	This object will indicate the general status or health of the Network Management Card.	INTEGER 1 = other 2 = ok 3 = nonCriticalFailure	
Amount of DRAM Installed (KB)	nmcStatDramInstalled 1.3.6.1.4.1.429.1.2.2.2.0 mandatory read-only in nmc.mib	This object indicates the amount of dynamic RAM currently installed on the Network Management Card. The units for this value are kilobytes.	INTEGER	
Amount of NVRAM Installed (KB)	nmcStatNVRAMInstalled 1.3.6.1.4.1.429.1.2.2.3.0 mandatory read-only in nmc.mib	This object indicates the amount of non-volatile RAM currently installed on the Network Management Card. The units for this value are kilobytes.	INTEGER	
Sequence Number of Last Event	nmcStatEventId 1.3.6.1.4.1.429.1.2.2.4.0 mandatory read-only in nmc.mib	This value increments once for each network management event detected by the NMC. It is used to correlate SNMP traps with events that occured in the system.	INTEGER	
Chassis Temperature (.01 deg. C)	nmcStatTemperature 1.3.6.1.4.1.429.1.2.2.5.0 optional read-only in nmc.mib	This object reflects the current temperature in the NAS chassis as detected by the NMC. The value of this object indicates the temperature in degree Celcius.	INTEGER	
Packet Bus Clocking Source	nmcStatPktBusClkSrc	The source of the backplane packet bus clock.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
General NMC Status	nmcStatStatus 1.3.6.1.4.1.429.1.2.2.1.0 mandatory read-only in nmc.mib	This object will indicate the general status or health of the Network Management Card.	INTEGER 1 = other 2 = ok 3 = nonCriticalFailure	
	1.3.6.1.4.1.429.1.2.2.10.0 optional read-only in nmc.mib		1 = notApplicable 2 = backplaneActive 3 = backplaneActive1ClkFail 4 = nmcActive	
NMC's packet bus clock status	nmcStatNmcPktBusClk 1.3.6.1.4.1.429.1.2.2.11.0 optional read-only in nmc.mib	The NMC's packet bus clock status.	INTEGER 1 = notApplicable 2 = available 3 = active 4 = failed	

IP Group

TCM Name	ASN.1 MIB	Description	Settings	Command
IP Forwarding	ipForwarding 1.3.6.1.2.1.4.1.0 mandatory read-write in nmc.mib	The indication of whether this entity is acting as an IP gateway in respect to the forwarding of datagrams received by but not addressed to this entity. IP gateways forward datagrams. IP hosts do not (except those source-routed via the host). Note that for some managed nodes this object may take on only a subset of the values possible. Accordingly it is appropriate for an agent to return a `badValue' response if a management station attempts to change this object to an inappropriate value.	INTEGER 1 = forwarding 2 = not-forwarding	
Default TTL	ipDefaultTTL 1.3.6.1.2.1.4.2.0 mandatory read-write in nmc.mib	The default value inserted into the Time-To-Live field of the IP header of datagrams originated at this entity whenever a TTL value is not supplied by the transport layer protocol.	INTEGER	
Input Datagrams Received	ipInReceives 1.3.6.1.2.1.4.3.0 mandatory read-only in nmc.mib	The total number of input datagrams received from interfaces including those received in error.	Counter	
ipInHdrErrors	ipInHdrErrors 1.3.6.1.2.1.4.4.0 mandatory read-only in nmc.mib	The number of input datagrams discarded due to errors in their IP headers including bad checksums version number mismatch other format errors time-to-live exceeded errors discovered in processing their IP options etc.	Counter	
ipInAddrErrors	ipInAddrErrors 1.3.6.1.2.1.4.5.0 mandatory read-only in nmc.mib	The number of input datagrams discarded because the IP address in their IP header's destination field was not a valid address to be received at this entity. This count includes invalid addresses (e.g. 0.0.0.0) and addresses of unsupported Classes (e.g. Class E). For entities which are not IP Gateways and therefore do not forward datagrams this counter includes datagrams discarded because the destination address was not a local address.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
IP Forwarding	ipForwarding 1.3.6.1.2.1.4.1.0 mandatory read-write in nmc.mib	The indication of whether this entity is acting as an IP gateway in respect to the forwarding of datagrams received by but not addressed to this entity. IP gateways forward datagrams. IP hosts do not (except those source-routed via the host). Note that for some managed nodes this object may take on only a subset of the values possible. Accordingly it is appropriate for an agent to return a `badValue' response if a management station attempts to change this object to an inappropriate value.	INTEGER 1 = forwarding 2 = not-forwarding	
ipForwDatagrams	ipForwDatagrams 1.3.6.1.2.1.4.6.0 mandatory read-only in nmc.mib	The number of input datagrams for which this entity was not their final IP destination as a result of which an attempt was made to find a route to forward them to that final destination. In entities which do not act as IP Gateways this counter will include only those packets which were Source-Routed via this entity and the Source- Route option processing was successful.	Counter	
ipInUnknownProtos	ipInUnknownProtos 1.3.6.1.2.1.4.7.0 mandatory read-only in nmc.mib	The number of locally-addressed datagrams received successfully but discarded because of an unknown or unsupported protocol.	Counter	
ipInDiscards	ipInDiscards 1.3.6.1.2.1.4.8.0 mandatory read-only in nmc.mib	The number of input IP datagrams for which no problems were encountered to prevent their continued processing but which were discarded (e.g. for lack of buffer space). Note that this counter does not include any datagrams discarded while awaiting re-assembly.	Counter	
ipInDelivers	ipInDelivers 1.3.6.1.2.1.4.9.0 mandatory read-only in nmc.mib	The total number of input datagrams successfully delivered to IP user-protocols (including ICMP).	Counter	
ipOutRequests	ipOutRequests 1.3.6.1.2.1.4.10.0 mandatory read-only	The total number of IP datagrams which local IP user-protocols (including ICMP) supplied to IP in requests for transmission. Note that this counter does not include any datagrams counted in ipForwDatagrams.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
IP Forwarding	ipForwarding 1.3.6.1.2.1.4.1.0 mandatory read-write in nmc.mib	The indication of whether this entity is acting as an IP gateway in respect to the forwarding of datagrams received by but not addressed to this entity. IP gateways forward datagrams. IP hosts do not (except those source-routed via the host). Note that for some managed nodes this object may take on only a subset of the values possible. Accordingly it is appropriate for an agent to return a `badValue' response if a management station attempts to change this object to an inappropriate value.	INTEGER 1 = forwarding 2 = not-forwarding	
	in nmc.mib			
ipOutDiscards	ipOutDiscards 1.3.6.1.2.1.4.11.0 mandatory read-only in nmc.mib	The number of output IP datagrams for which no problem was encountered to prevent their transmission to their destination but which were discarded (e.g. for lack of buffer space). Note that this counter would include datagrams counted in ipForwDatagrams if any such packets met this (discretionary) discard criterion.	Counter	
ipOutNoRoutes	ipOutNoRoutes 1.3.6.1.2.1.4.12.0 mandatory read-only in nmc.mib	The number of IP datagrams discarded because no route could be found to transmit them to their destination. Note that this counter includes any packets counted in ipForwDatagrams which meet this `no-route' criterion. Note that this includes any datagarms which a host cannot route because all of its default gateways are down.	Counter	
ipReasmTimeout	ipReasmTimeout 1.3.6.1.2.1.4.13.0 mandatory read-only in nmc.mib	The maximum number of seconds which received fragments are held while they are awaiting reassembly at this entity.	INTEGER	
ipReasmReqds	ipReasmReqds 1.3.6.1.2.1.4.14.0 mandatory read-only in nmc.mib	The number of IP fragments received which needed to be reassembled at this entity.	Counter	
ipReasmOKs	ipReasmOKs 1.3.6.1.2.1.4.15.0	The number of IP datagrams successfully re- assembled.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
IP Forwarding	ipForwarding 1.3.6.1.2.1.4.1.0 mandatory read-write in nmc.mib	The indication of whether this entity is acting as an IP gateway in respect to the forwarding of datagrams received by but not addressed to this entity. IP gateways forward datagrams. IP hosts do not (except those source-routed via the host). Note that for some managed nodes this object may take on only a subset of the values possible. Accordingly it is appropriate for an agent to return a `badValue' response if a management station attempts to change this object to an inappropriate value.	INTEGER 1 = forwarding 2 = not-forwarding	
	mandatory read-only in nmc.mib			
ipReasmFails	ipReasmFails 1.3.6.1.2.1.4.16.0 mandatory read-only in nmc.mib	The number of failures detected by the IP re- assembly algorithm (for whatever reason: timed out errors etc). Note that this is not necessarily a count of discarded IP fragments since some algorithms (notably the algorithm in RFC 815) can lose track of the number of fragments by combining them as they are received.	Counter	
ipFragOKs	ipFragOKs 1.3.6.1.2.1.4.17.0 mandatory read-only in nmc.mib	The number of IP datagrams that have been successfully fragmented at this entity.	Counter	
ipFragFails	ipFragFails 1.3.6.1.2.1.4.18.0 mandatory read-only in nmc.mib	The number of IP datagrams that have been discarded because they needed to be fragmented at this entity but could not be e.g. because their Don't Fragment flag was set.	Counter	
ipFragCreates	ipFragCreates 1.3.6.1.2.1.4.19.0 mandatory read-only in nmc.mib	The number of IP datagram fragments that have been generated as a result of fragmentation at this entity.	Counter	

ICMP Group

TCM Name	ASN.1 MIB	Description	Settings	Command
icmpInMsgs	icmpInMsgs 1.3.6.1.2.1.5.1.0 mandatory read-only in nmc.mib	The total number of ICMP messages which the entity received. Note that this counter includes all those counted by icmpInErrors.	Counter	
icmpInErrors	icmpInErrors 1.3.6.1.2.1.5.2.0 mandatory read-only in nmc.mib	The number of ICMP messages which the entity received but determined as having ICMP-specific errors (bad ICMP checksums bad length etc.).	Counter	
icmpInDestUnreachs	icmpInDestUnreachs 1.3.6.1.2.1.5.3.0 mandatory read-only in nmc.mib	The number of ICMP Destination Unreachable messages received.	Counter	
icmpInTimeExcds	icmpInTimeExcds 1.3.6.1.2.1.5.4.0 mandatory read-only in nmc.mib	The number of ICMP Time Exceeded messages received.	Counter	
icmpInParmProbs	icmpInParmProbs 1.3.6.1.2.1.5.5.0 mandatory read-only in nmc.mib	The number of ICMP Parameter Problem messages received.	Counter	
icmpInSrcQuenchs	icmpInSrcQuenchs 1.3.6.1.2.1.5.6.0 mandatory read-only	The number of ICMP Source Quench messages received.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
icmpInMsgs	icmpInMsgs 1.3.6.1.2.1.5.1.0 mandatory read-only in nmc.mib	The total number of ICMP messages which the entity received. Note that this counter includes all those counted by icmpInErrors.	Counter	
	in nmc.mib			
icmpInRedirects	icmpInRedirects 1.3.6.1.2.1.5.7.0 mandatory read-only in nmc.mib	The number of ICMP Redirect messages received.	Counter	
icmpInEchos	icmpInEchos 1.3.6.1.2.1.5.8.0 mandatory read-only in nmc.mib	The number of ICMP Echo (request) messages received.	Counter	
icmpInEchoReps	icmpInEchoReps 1.3.6.1.2.1.5.9.0 mandatory read-only in nmc.mib	The number of ICMP Echo Reply messages received.	Counter	
icmpInTimestamps	icmpInTimestamps 1.3.6.1.2.1.5.10.0 mandatory read-only in nmc.mib	The number of ICMP Timestamp (request) messages received.	Counter	
icmpInTimestampReps	icmpInTimestampReps 1.3.6.1.2.1.5.11.0 mandatory read-only in nmc.mib	The number of ICMP Timestamp Reply messages received.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
icmpInMsgs	icmpInMsgs 1.3.6.1.2.1.5.1.0 mandatory read-only in nmc.mib	The total number of ICMP messages which the entity received. Note that this counter includes all those counted by icmpInErrors.	Counter	
icmpInAddrMasks	icmpInAddrMasks 1.3.6.1.2.1.5.12.0 mandatory read-only in nmc.mib	The number of ICMP Address Mask Request messages received.	Counter	
icmpInAddrMaskReps	icmpInAddrMaskReps 1.3.6.1.2.1.5.13.0 mandatory read-only in nmc.mib	The number of ICMP Address Mask Reply messages received.	Counter	
icmpOutMsgs	icmpOutMsgs 1.3.6.1.2.1.5.14.0 mandatory read-only in nmc.mib	The total number of ICMP messages which this entity attempted to send. Note that this counter includes all those counted by icmpOutErrors.	Counter	
icmpOutErrors	icmpOutErrors 1.3.6.1.2.1.5.15.0 mandatory read-only in nmc.mib	The number of ICMP messages which this entity did not send due to problems discovered within ICMP such as a lack of buffers. This value should not include errors discovered outside the ICMP layer such as the inability of IP to route the resultant datagram. In some implementations there may be no types of error which contribute to this counter's value.	Counter	
icmpOutDestUnreachs	icmpOutDestUnreachs 1.3.6.1.2.1.5.16.0 mandatory read-only in nmc.mib	The number of ICMP Destination Unreachable messages sent.	Counter	
icmpOutTimeExcds	icmpOutTimeExcds	The number of ICMP Time Exceeded messages sent.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
icmpInMsgs	icmpInMsgs 1.3.6.1.2.1.5.1.0 mandatory read-only in nmc.mib	The total number of ICMP messages which the entity received. Note that this counter includes all those counted by icmpInErrors.	Counter	
	1.3.6.1.2.1.5.17.0 mandatory read-only in nmc.mib			
icmpOutParmProbs	icmpOutParmProbs 1.3.6.1.2.1.5.18.0 mandatory read-only in nmc.mib	The number of ICMP Parameter Problem messages sent.	Counter	
icmpOutSrcQuenchs	icmpOutSrcQuenchs 1.3.6.1.2.1.5.19.0 mandatory read-only in nmc.mib	The number of ICMP Source Quench messages sent.	Counter	
icmpOutRedirects	icmpOutRedirects 1.3.6.1.2.1.5.20.0 mandatory read-only in nmc.mib	The number of ICMP Redirect messages sent. For a host this object will always be zero since hosts do not send redirects.	Counter	
icmpOutEchos	icmpOutEchos 1.3.6.1.2.1.5.21.0 mandatory read-only in nmc.mib	The number of ICMP Echo (request) messages sent.	Counter	
icmpOutEchoReps	icmpOutEchoReps 1.3.6.1.2.1.5.22.0 mandatory read-only	The number of ICMP Echo Reply messages sent.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
icmpInMsgs	icmpInMsgs 1.3.6.1.2.1.5.1.0 mandatory read-only in nmc.mib	The total number of ICMP messages which the entity received. Note that this counter includes all those counted by icmpInErrors.	Counter	
	in nmc.mib			
icmpOutTimestamps	icmpOutTimestamps 1.3.6.1.2.1.5.23.0 mandatory read-only in nmc.mib	The number of ICMP Timestamp (request) messages sent.	Counter	
icmpOutTimestampReps	icmpOutTimestampReps 1.3.6.1.2.1.5.24.0 mandatory read-only in nmc.mib	The number of ICMP Timestamp Reply messages sent.	Counter	
icmpOutAddrMasks	icmpOutAddrMasks 1.3.6.1.2.1.5.25.0 mandatory read-only in nmc.mib	The number of ICMP Address Mask Request messages sent.	Counter	
icmpOutAddrMaskReps	icmpOutAddrMaskReps 1.3.6.1.2.1.5.26.0 mandatory read-only in nmc.mib	The number of ICMP Address Mask Reply messages sent.	Counter	

TCP Group

TCM Name	ASN.1 MIB	Description	Settings	Command
tcpRtoAlgorithm	tcpRtoAlgorithm 1.3.6.1.2.1.6.1.0 mandatory read-only in nmc.mib	The algorithm used to determine the timeout value used for retransmitting unacknowledged octets.	INTEGER 1 = other 2 = constant 3 = rsre 4 = vanj	
tcpRtoMin	tcpRtoMin 1.3.6.1.2.1.6.2.0 mandatory read-only in nmc.mib	The minimum value permitted by a TCP implementation for the retransmission timeout measured in milliseconds. More refined semantics for objects of this type depend upon the algorithm used to determine the retransmission timeout. In particular when the timeout algorithm is rsre(3) an object of this type has the semantics of the LBOUND quantity described in RFC 793.	INTEGER	
tcpRtoMax	tcpRtoMax 1.3.6.1.2.1.6.3.0 mandatory read-only in nmc.mib	The maximum value permitted by a TCP implementation for the retransmission timeout measured in milliseconds. More refined semantics for objects of this type depend upon the algorithm used to determine the retransmission timeout. In particular when the timeout algorithm is rsre(3) an object of this type has the semantics of the UBOUND quantity described in RFC 793.	INTEGER	
tcpMaxConn	tcpMaxConn 1.3.6.1.2.1.6.4.0 mandatory read-only in nmc.mib	The limit on the total number of TCP connections the entity can support. In entities where the maximum number of connections is dynamic this object should contain the value -1.	INTEGER	
tcpActiveOpens	tcpActiveOpens 1.3.6.1.2.1.6.5.0 mandatory read-only in nmc.mib	The number of times TCP connections have made a direct transition to the SYN-SENT state from the CLOSED state.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
tcpRtoAlgorithm	tcpRtoAlgorithm 1.3.6.1.2.1.6.1.0 mandatory read-only in nmc.mib	The algorithm used to determine the timeout value used for retransmitting unacknowledged octets.	INTEGER 1 = other 2 = constant 3 = rsre 4 = vanj	
tcpPassiveOpens	tcpPassiveOpens 1.3.6.1.2.1.6.6.0 mandatory read-only in nmc.mib	The number of times TCP connections have made a direct transition to the SYN-RCVD state from the LISTEN state.	Counter	
tcpAttemptFails	tcpAttemptFails 1.3.6.1.2.1.6.7.0 mandatory read-only in nmc.mib	The number of times TCP connections have made a direct transition to the CLOSED state from either the SYN-SENT state or the SYN-RCVD state plus the number of times TCP connections have made a direct transition to the LISTEN state from the SYN-RCVD state.	Counter	
tcpEstabResets	tcpEstabResets 1.3.6.1.2.1.6.8.0 mandatory read-only in nmc.mib	The number of times TCP connections have made a direct transition to the CLOSED state from either the ESTABLISHED state or the CLOSE-WAIT state.	Counter	
tcpCurrEstab	tcpCurrEstab 1.3.6.1.2.1.6.9.0 mandatory read-only in nmc.mib	The number of TCP connections for which the current state is either ESTABLISHED or CLOSE- WAIT.	Gauge	
tcpInSegs	tcpInSegs 1.3.6.1.2.1.6.10.0 mandatory read-only in nmc.mib	The total number of segments received including those received in error. This count includes segments received on currently established connections.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
tcpRtoAlgorithm	tcpRtoAlgorithm 1.3.6.1.2.1.6.1.0 mandatory read-only in nmc.mib	The algorithm used to determine the timeout value used for retransmitting unacknowledged octets.	INTEGER 1 = other 2 = constant 3 = rsre 4 = vanj	
tcpOutSegs	tcpOutSegs 1.3.6.1.2.1.6.11.0 mandatory read-only in nmc.mib	The total number of segments sent including those on current connections but excluding those containing only retransmitted octets.	Counter	
tcpRetransSegs	tcpRetransSegs 1.3.6.1.2.1.6.12.0 mandatory read-only in nmc.mib	The total number of segments retransmitted - that is the number of TCP segments transmitted containing one or more previously transmitted octets.	Counter	

UDP Group

TCM Name	ASN.1 MIB	Description	Settings	Command
udpInDatagrams	udpInDatagrams 1.3.6.1.2.1.7.1.0 mandatory read-only in nmc.mib	The total number of UDP datagrams delivered to UDP users.	Counter	
udpNoPorts	udpNoPorts 1.3.6.1.2.1.7.2.0 mandatory read-only in nmc.mib	The total number of received UDP datagrams for which there was no application at the destination port.	Counter	
udpInErrors	udpInErrors 1.3.6.1.2.1.7.3.0 mandatory read-only in nmc.mib	The number of received UDP datagrams that could not be delivered for reasons other than the lack of an application at the destination port.	Counter	
udpOutDatagrams	udpOutDatagrams 1.3.6.1.2.1.7.4.0 mandatory read-only in nmc.mib	The total number of UDP datagrams sent from this entity.	Counter	

Network Time Protocol

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Since Last Successful Sync (sec)	nmcNtpLastSyncTime 1.3.6.1.4.1.429.1.2.10.5.0 mandatory read-only in nmc.mib	The time since the last successful NTP synchronization in seconds.	INTEGER	
Last Successfully Synchronized Server	nmcNtpLastSyncServer 1.3.6.1.4.1.429.1.2.10.6.0 mandatory read-only in nmc.mib	The last NTP server used to successfully synchronize time.	INTEGER 1 = none 2 = primary 3 = secondary	
Time Since Last Failed NTP Sync (sec)	nmcNtpLastFailedTime 1.3.6.1.4.1.429.1.2.10.7.0 mandatory read-only in nmc.mib	The time since the last failed NTP synchronization attempt in seconds.	INTEGER	
Last Failed to Synchronize Server	nmcNtpLastFailedServer 1.3.6.1.4.1.429.1.2.10.8.0 mandatory read-only in nmc.mib	The last NTP server used in a failed attempt to synchronize time.	INTEGER 1 = none 2 = primary 3 = secondary	

Failure Reasons

TCM Name	ASN.1 MIB	Description	Settings	Command
Hub Status Red	nmcStatRedLed 1.3.6.1.4.1.429.1.2.2.12.0 optional read-only in nmc.mib	This Object will return the Reason why the Hub Status LED is RED.	INTEGER 1 = none 2 = chassisTemperatureHigh 3 = chassisFanFailure 4 = voltageWarningforPSU 5 = failureofPSU 6 = managementBusFailure 7 = interfaceCardFailure 8 = incompatibleTokenRingNIC	
Hub Security Server Failure	nmcHsSecurityFailure 1.3.6.1.4.1.429.1.2.6.37.0 mandatory read-only in nmc.mib	This value defines the failure reason for the last failure of RADIUS Security server access.	INTEGER 1 = none 2 = other 3 = commFailure 4 = invalidResponse 5 = disabledServer	
DNS Server Failure	nmcCfgDnsSrvrFailure 1.3.6.1.4.1.429.1.2.1.36.0 mandatory read-only in nmc.mib	This value defines the failure reason for last failure of DNS resolver query.	INTEGER 1 = none 2 = other 3 = commFailure 4 = invalidEntry	
Logging Server Failure	nmcCfgLogSrvrFailure	This value defines the failure reason for the last failure of RADIUS	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Hub Status Red	nmcStatRedLed 1.3.6.1.4.1.429.1.2.2.12.0 optional read-only in nmc.mib	This Object will return the Reason why the Hub Status LED is RED.	INTEGER 1 = none 2 = chassisTemperatureHigh 3 = chassisFanFailure 4 = voltageWarningforPSU 5 = failureofPSU 6 = managementBusFailure 7 = interfaceCardFailure 8 = incompatibleTokenRingNIC	
	1.3.6.1.4.1.429.1.2.1.37.0 mandatory read-only in nmc.mib	accounting server access.	1 = none 2 = other 3 = commFailure 4 = invalidResponse 5 = disabledServer	

Programmed Settings

NMC Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	uchasEntityOperStatus 1.3.6.1.4.1.429.1.1.2.1.1.5.slot*1000 + channel mandatory read-only in chs.mib	Provides operational status of the entity for which this row corresponds.	INTEGER 1 = other 2 = outOfService 3 = testing 4 = operational 5 = failed 6 = loading 7 = inLoopBackTest	
Serial Number	uchasSlotModuleSerialNumber 1.3.6.1.4.1.429.1.1.1.1.1.6.slot mandatory read-only in chs.mib	The serial number of the module present in the slot. If the slot is empty this value will be a zero length string.	DisplayString SIZE(0...31)	
Hardware Revision	uchasSlotModuleVersion 1.3.6.1.4.1.429.1.1.1.1.1.5.slot mandatory read-only in chs.mib	A textual description of the version/revision level for this module's hardware.	DisplayString SIZE(0...124)	
Software Version	uchasEntityVersion 1.3.6.1.4.1.429.1.1.2.1.1.4.slot*1000 + channel mandatory read-only in chs.mib	A textual description of the version/revision level for this entity's software.	DisplayString SIZE(0...124)	
General NMC Status	nmcStatStatus	This object will indicate the general status or health of the	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	uchasEntityOperStatus 1.3.6.1.4.1.429.1.1.2.1.1.5.slot*1000 + channel mandatory read-only in chs.mib	Provides operational status of the entity for which this row corresponds.	INTEGER 1 = other 2 = outOfService 3 = testing 4 = operational 5 = failed 6 = loading 7 = inLoopBackTest	
	1.3.6.1.4.1.429.1.2.2.1.0 mandatory read-only in nmc.mib	Network Management Card.	1 = other 2 = ok 3 = nonCriticalFailure	
Chassis Temperature (.01 deg. C)	nmcStatTemperature 1.3.6.1.4.1.429.1.2.2.5.0 optional read-only in nmc.mib	This object reflects the current temperature in the NAS chassis as detected by the NMC. The value of this object indicates the temperature in degree Celcius.	INTEGER	
Number of Power Up Failures	nmcStatPowerUpTstFailures 1.3.6.1.4.1.429.1.2.2.6.0 mandatory read-only in nmc.mib	This object contains the number of power up tests which failed during the power up of the NMC card.	Counter	
Software Compatibility Version	nmcStatCompSwVer 1.3.6.1.4.1.429.1.2.2.9.0 mandatory read-only in nmc.mib	This object contains the software compatibility version.	DisplayString SIZE(0...9)	
DIP Switch Settings	uchasSlotSwitchSettings 1.3.6.1.4.1.429.1.1.1.1.1.11.slot	This represents the DIP switch settings on the NAC. It is a bitmapped integer.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	uchasEntityOperStatus 1.3.6.1.4.1.429.1.1.2.1.1.5.slot*1000 + channel mandatory read-only in chs.mib	Provides operational status of the entity for which this row corresponds.	INTEGER 1 = other 2 = outOfService 3 = testing 4 = operational 5 = failed 6 = loading 7 = inLoopBackTest	
	mandatory read-only in chs.mib			
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	
Packet Bus Clocking Source	nmcStatPktBusClkSrc 1.3.6.1.4.1.429.1.2.2.10.0 optional read-only in nmc.mib	The source of the backplane packet bus clock.	INTEGER 1 = notApplicable 2 = backplaneActive 3 = backplaneActive1ClkFail 4 = nmcActive	

Configuration Group

TCM Name	ASN.1 MIB	Description	Settings	Command
System Time	nmcCfgSystemTime 1.3.6.1.4.1.429.1.2.1.1.0 mandatory read-write in nmc.mib	This parameter is used to set and read the current time as kept by the NMC's real-time clock. It should be set to the local time in the place where the chassis is physically located. The real-time clock has the capability of maintaining correct time for short durations without power.	DisplayString SIZE(0...8)	
System Date	nmcCfgSystemDate 1.3.6.1.4.1.429.1.2.1.2.0 mandatory read-write in nmc.mib	This parameter is used to set and read the current date as kept by the NMC's real-time clock. It should be set to the local date where the chassis is physically located.	DisplayString SIZE(0...8)	
Greenwich Mean Time	nmcGmtime 1.3.6.1.4.1.429.1.2.1.3.0 mandatory read-only in nmc.mib	This object reflects the current time in Greenwich Mean Time (GMT). The value of this object is sent in USR's enterprise specific SNMP trap messages for use by the receiving Management Stations.	INTEGER	
Time Zone	nmcTimezone 1.3.6.1.4.1.429.1.2.1.4.0 mandatory read-write in nmc.mib	This object should be set to reflect the timezone in which the chassis is physically located. It is used in the conversion from local time to Greenwich Mean Time (GMT). The timezones are named for the number of hours by which GMT differs from local time.Default=gmtPlus0(21).	INTEGER 1 = easternUSA-gmtMinus5 2 = centralUSA-gmtMinus6 3 = mountainUSA-gmtMinus7 4 = pacificUSA-gmtMinus8 5 = gmtMinus9 6 = gmtMinus10 7 = gmtMinus11 8 = gmtMinus12 9 = gmtPlus12	

TCM Name	ASN.1 MIB	Description	Settings	Command
System Time	nmcCfgSystemTime 1.3.6.1.4.1.429.1.2.1.1.0 mandatory read-write in nmc.mib	This parameter is used to set and read the current time as kept by the NMC's real-time clock. It should be set to the local time in the place where the chassis is physically located. The real-time clock has the capability of maintaining correct time for short durations without power.	DisplayString SIZE(0...8)	
			10 = gmtPlus11 11 = gmtPlus10 12 = gmtPlus9 13 = gmtPlus8 14 = gmtPlus7 15 = gmtPlus6 16 = gmtPlus5 17 = gmtPlus4 18 = gmtPlus3 19 = gmtPlus2 20 = gmtPlus1 21 = gmt 22 = gmtMinus1 23 = gmtMinus2 24 = gmtMinus3 25 = gmtMinus4 26 = newfoundland-gmtMinus3-30 27 = tehran-gmtPlus3-30 28 = kabul-gmtPlus4-30 29 = bombay-gmtPlus5-30	

TCM Name	ASN.1 MIB	Description	Settings	Command
System Time	nmcCfgSystemTime 1.3.6.1.4.1.429.1.2.1.1.0 mandatory read-write in nmc.mib	This parameter is used to set and read the current time as kept by the NMC's real-time clock. It should be set to the local time in the place where the chassis is physically located. The real-time clock has the capability of maintaining correct time for short durations without power.	DisplayString SIZE(0...8)	
			30 = adelaide-gmtPlus9-30	
Daylight Savings Time	nmcDaySavingTime 1.3.6.1.4.1.429.1.2.1.6.0 mandatory read-write in nmc.mib	The value of this object determines whether or not the NMC will honor daylight savings time when converting from local time to Greenwich Mean Time (GMT).	INTEGER 1 = enable 2 = disable	
Auto Config on Card Initialization	nmcPowerUpAutoCfgEnable 1.3.6.1.4.1.429.1.2.1.9.0 mandatory read-write in nmc.mib	This parameter defines whether or not to automatically configure cards when they are inserted into the chassis or when the chassis is powered on. If set to do the autoconfigure the values used to configure the cards will be those that were last saved to the NMC's NVRAM. For cards that do not match the values in NVRAM those cards will be configured with default values.	INTEGER 1 = enable 2 = disable	
Chassis Name	uchasDescr 1.3.6.1.4.1.429.1.1.3.2.0 mandatory read-write in chs.mib	A textual description of the specific chassis being managed.	DisplayString SIZE(0...124)	
NMC LED Display	uchasDisplayName 1.3.6.1.4.1.429.1.1.3.3.0 mandatory read-write in chs.mib	A four digit name given to the chassis. The name will be displayed on the alpha-numeric display on the front panel of the Network Management Card in the given chassis.	DisplayString SIZE(0...4)	
TFTP Timeout	nmcCfgTFTPTimeout 1.3.6.1.4.1.429.1.2.1.21.0 mandatory read-write in nmc.mib	This object will be used to set up the timeout for the TFTP retries. The default would be 12 sec and the maximum allowed timeout would be 30 sec.	INTEGER (1...30)	

TCM Name	ASN.1 MIB	Description	Settings	Command
System Time	nmcCfgSystemTime 1.3.6.1.4.1.429.1.2.1.1.0 mandatory read-write in nmc.mib	This parameter is used to set and read the current time as kept by the NMC's real-time clock. It should be set to the local time in the place where the chassis is physically located. The real-time clock has the capability of maintaining correct time for short durations without power.	DisplayString SIZE(0...8)	
Unique Call Reference Number	nmcCfgSessionIDNewFmt 1.3.6.1.4.1.429.1.2.1.38.0 optional read-write in nmc.mib	This Object is used to Enable/Disable the New Session ID Format. Default is Disable.	INTEGER 1 = disable 2 = enable	

Dial-Out Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
AT Init String	nmcCfgAtString 1.3.6.1.4.1.429.1.2.1.8.0 mandatory read-write in nmc.mib	This object is the user defined AT string that will be used to configure a modem connected to the NMC's WAN port if the NMC needs to dial out to make a connection.	DisplayString SIZE(0...39)	
WAN Connect Number	nmcCfgWanDialOutPhoneNum 1.3.6.1.4.1.429.1.2.1.7.0 mandatory read-write in nmc.mib	This is the phone number that the NMC will use to dial a modem that is connected to the WAN port if there is no existing connection when the NMC tries to send and IP datagram out that port.	DisplayString SIZE(0...39)	
WAN Dial Out Attempt Limit	nmcCfgNumWanRetries 1.3.6.1.4.1.429.1.2.1.10.0 mandatory read-write in nmc.mib	This will specify the number of attempts to be made by port_write_task() to send the packet out of the WAN port while doing a dial up connection. The default is 0 which means the number of retries is disabled and it will keep trying to transmit the same packet for ever until it succeeds.	INTEGER (0...20)	
Pause between Retries(sec)	nmcCfgWanRetryPause 1.3.6.1.4.1.429.1.2.1.11.0 mandatory read-write in nmc.mib	The amount of time in seconds that the NMC will pause between attempts to transmit a packet. The default value for this object is 30.	INTEGER (5...120)	
Retries Suspension Interval(sec)	nmcCfgWanRetrySuspendTime 1.3.6.1.4.1.429.1.2.1.12.0 mandatory read-write in nmc.mib	The Time period in seconds for which the WAN port should suspend its attempts to send out the packet. This time period applies when the number of failures has reached a configured maximum. It may resume its retries after the time period.	INTEGER (5...300)	
Connection Failure Limit	nmcCfgNumFailBefSuspend 1.3.6.1.4.1.429.1.2.1.13.0 mandatory read-write	The number of connection failures to allow before suspending retries.	INTEGER (0...50)	

TCM Name	ASN.1 MIB	Description	Settings	Command
AT Init String	nmcCfgAtString 1.3.6.1.4.1.429.1.2.1.8.0 mandatory read-write in nmc.mib	This object is the user defined AT string that will be used to configure a modem connected to the NMC's WAN port if the NMC needs to dial out to make a connection.	DisplayString SIZE(0...39)	
	in nmc.mib			

TCM Name	ASN.1 MIB	Description	Settings	Command
Flash Program VPP	nmcStatTestResult 1.3.6.1.4.1.429.1.2.2.8.0 mandatory read-only in nmc.mib	This object contains the bit mapped result of the request to perform a self test. A non zero value indicates that there has been one or more self test failures. **Bit Mask:** 0x80000	INTEGER 0 = Pass 1 = Fail	
Mgt Bus Slot 16	nmcStatPowerUpTstFailBMap 1.3.6.1.4.1.429.1.2.2.7.0 mandatory read-only in nmc.mib	This object defines a bit map which contains a one in the postion that indicates a power up test failure. The number returned is an integer that represents which power up test(s) that have failed. (e.g. a return value of three would mean power up tests 1 & 2 failed since bits 00000011 in the least significant byte would be set.) **Bit Mask:** 0x8000	INTEGER 0 = Pass 1 = Fail	

TCM Name	ASN.1 MIB	Description	Settings	Command
User Name Prompt	nmcHsDialInOutNamePrompt 1.3.6.1.4.1.429.1.2.6.1.0 optional read-write in nmc.mib	This is the first prompt that appears when users establish a connection with a security modem. It should serve to identify the system and prompt users to enter their name.	DisplayString SIZE(0...80)	
User Password Prompt	nmcHsDialInOutPsswdPrompt 1.3.6.1.4.1.429.1.2.6.2.0 optional read-write in nmc.mib	This prompt appears after a valid response has been made to the previous prompt (i.e. name string followed by CR/LF) and prompts users to enter their password.	DisplayString SIZE(0...80)	
Dial Back Name Prompt	nmcHsDialBackNamePrompt 1.3.6.1.4.1.429.1.2.6.3.0 optional read-write in nmc.mib	This prompt only appears when users are configured for dial back security (to either a stored or entered number). It is also only issued when the Request Login Validation on Dial-Back field is enabled for the user in the RADIUS user database. This prompt should be different than the name prompt used when users first log into the system.	DisplayString SIZE(0...80)	
Dial Back Password Prompt	nmcHsDialBackPsswdPrompt 1.3.6.1.4.1.429.1.2.6.4.0 optional read-write in nmc.mib	This prompt appears after a valid response to the prior prompt and prompts users to enter their password.	DisplayString SIZE(0...80)	
Dial Back Number Prompt	nmcHsDialBackPhonePrompt 1.3.6.1.4.1.429.1.2.6.5.0 optional read-write in nmc.mib	This prompt only appears if you have configured the user for dial back entered mode in the RADIUS user database. It prompts the user to enter the phone number at which the system can call them back.	DisplayString SIZE(0...80)	
Dial Back Pending Prompt	nmcHsDialBackPendPrompt 1.3.6.1.4.1.429.1.2.6.6.0	This message only appears if you configure users for a dial back mode (to either a stored or entered number) in the RADIUS user database. It confirms to users that they have logged in successfully	DisplayString SIZE(0...80)	

TCM Name	ASN.1 MIB	Description	Settings	Command
User Name Prompt	nmcHsDialInOutNamePrompt 1.3.6.1.4.1.429.1.2.6.1.0 optional read-write in nmc.mib	This is the first prompt that appears when users establish a connection with a security modem. It should serve to identify the system and prompt users to enter their name.	DisplayString SIZE(0...80)	
	optional read-write in nmc.mib	and lets them know that the system has reserved a modem to call them back.		
Modem Select Prompt	nmcHsMdmSelectPrompt 1.3.6.1.4.1.429.1.2.6.7.0 optional read-write in nmc.mib	This message only appears if a user is configured for dial back in the RADIUS database and that this record has the Request Dial Back Modem Selection field enabled. The system displays a list of allowed dial back modems that have been entered for this user. Users must enter the number that appears on the menu next to their choice.	DisplayString SIZE(0...80)	
Login Failed Message	nmcHsLoginFailedMsg 1.3.6.1.4.1.429.1.2.6.8.0 optional read-write in nmc.mib	This message appears when users fail to enter a valid name/password combination.	DisplayString SIZE(0...80)	
Restricted Number Prompt	nmcHsPhoneRestrictPrompt 1.3.6.1.4.1.429.1.2.6.9.0 optional read-write in nmc.mib	This message appears when users are prompted for a dial back phone number and the entered number violates the allowed numbers specified in the Call Restriction List.	DisplayString SIZE(0...80)	
Invalid Modem Select Message	nmcHsInvalidMdmSelecMsg 1.3.6.1.4.1.429.1.2.6.10.0 optional read-write in nmc.mib	This message appears when users configured for dial back with the Request Dial-Back Modem Selection field enabled select a modem to which they are not allowed access (as specified in the list of allowed Dial-Back modems).	DisplayString SIZE(0...80)	
No Modems Available Message	nmcHsNoMdnsAvailMsg 1.3.6.1.4.1.429.1.2.6.11.0 optional read-write	This message appears when the system is unable to reserve a modem for dial-back that was either selected by the user or defined in it's list of Allowed Dial Back modems.	DisplayString SIZE(0...80)	

TCM Name	ASN.1 MIB	Description	Settings	Command
User Name Prompt	nmcHsDialInOutNamePrompt 1.3.6.1.4.1.429.1.2.6.1.0 optional read-write in nmc.mib	This is the first prompt that appears when users establish a connection with a security modem. It should serve to identify the system and prompt users to enter their name.	DisplayString SIZE(0...80)	
	in nmc.mib			
Connect Success Message	nmcHsConnectSuccessMsg 1.3.6.1.4.1.429.1.2.6.12.0 optional read-write in nmc.mib	This message confirms that users have successfully compleated their login and may proceed with either their dial-in or dial-out call.	DisplayString SIZE(0...80)	
New Password Message	nmcHsNewPasswordPrompt 1.3.6.1.4.1.429.1.2.6.13.0 optional read-write in nmc.mib	This prompt only appears when a users password has expired. It is issued once for the new password and then again for re-issue of the new password.	DisplayString SIZE(0...80)	
Change Password Message	nmcHsChangePasswordMsg 1.3.6.1.4.1.429.1.2.6.14.0 optional read-write in nmc.mib	This message appears during name/password authentication when the user's password has expired. This message is immediately followed by the enter new password prompt.	DisplayString SIZE(0...80)	
Response Timeout	nmcHsPromptRspTimeout 1.3.6.1.4.1.429.1.2.6.15.0 optional read-write in nmc.mib	This value represents the number of seconds in which users must respond to each prompt. Users failing to respond within the specified time are disconnected and a Dial Security login failure trap is generated. Any login failures of this type also apply to the user blacklist function if a valid user name has been entered. This field takes precidence over the modem's inactivity timer during a security login. The default for this object is 30(seconds).	INTEGER (10...255)	
Response Attempt Limit	nmcHsPromptRspAttempts 1.3.6.1.4.1.429.1.2.6.16.0 optional read-write	This value represents the number of tries the user is allowed per prompt during any one security session. If this number is reached the call is terminated. For the purposes of retry limiting the user name and password are treated as a single prompt. This means that if a valid name and an invalid password are entered the	INTEGER (1...16)	

TCM Name	ASN.1 MIB	Description	Settings	Command
User Name Prompt	nmcHsDialInOutNamePrompt 1.3.6.1.4.1.429.1.2.6.1.0 optional read-write in nmc.mib	This is the first prompt that appears when users establish a connection with a security modem. It should serve to identify the system and prompt users to enter their name.	DisplayString SIZE(0...80)	
	in nmc.mib	failure is counted against both the Prompt Response Attempt Limit and the Failed Logins Before Blacklist. The default for this object is 1.		
Response Echo Enable	nmcHsPromptRspEchoEna 1.3.6.1.4.1.429.1.2.6.17.0 optional read-write in nmc.mib	When enabled this option instructs the NMC to echo the user's typed responses back to the users screen. Password responses are echoed as 'X's. The default for this option is disabled.	INTEGER 1 = disable 2 = enable	
Dial Back Delay	nmcHsDialBackDelay 1.3.6.1.4.1.429.1.2.6.18.0 optional read-write in nmc.mib	This object defines the number of seconds to wait between successive dial back attempts; i.e. the time the NMC waits before attempting the next dial back when it was unable to connect. The default is 30 seconds.	INTEGER (1...100)	
Dial Back Attempt Limit	nmcHsDialBackAttempts 1.3.6.1.4.1.429.1.2.6.19.0 optional read-write in nmc.mib	This object defines the number of times that the NMC will attempt to dial back a dial in user configured for dial back when successive dial back attempts fail. The default for this object is one.	INTEGER (1...100)	
Primary Security Server IP Address	nmcHsSecuritySrvrAddr 1.3.6.1.4.1.429.1.2.6.20.0 mandatory read-write in nmc.mib	This object identifies the IP address of the Primary RADIUS security server where the NMC RADIUS client sends requests.	IpAddress	
Security Server UDP Port	nmcHsSecuritySrvrPort 1.3.6.1.4.1.429.1.2.6.21.0 mandatory read-write	This object identifies the UDP port where the NMC's RADIUS client issues requests to the RADIUS security server. The default port is 1645.	INTEGER (0...65535)	

TCM Name	ASN.1 MIB	Description	Settings	Command
User Name Prompt	nmcHsDialInOutNamePrompt 1.3.6.1.4.1.429.1.2.6.1.0 optional read-write in nmc.mib	This is the first prompt that appears when users establish a connection with a security modem. It should serve to identify the system and prompt users to enter their name.	DisplayString SIZE(0...80)	
	in nmc.mib			
Security Server Retries	nmcHsSecuritySrvrRetries 1.3.6.1.4.1.429.1.2.6.22.0 mandatory read-write in nmc.mib	This object identifies the number of retries that the NMC's RADIUS client will preform when attempting to send requests to a RADIUS security server. The default retry number is 1.	INTEGER (0...3)	
Modem Attempt Limit	nmcHsMdmAttemptLimit 1.3.6.1.4.1.429.1.2.6.23.0 mandatory read-write in nmc.mib	This value represents the number of times an attempt can be made to login on any one modem without success. If this value is exceeded and the mdmLoginAttemptLimExceeded trap has been enabled then the mdmLoginAttemptLimExceeded trap is generated. Default = 3.	INTEGER (1...16)	
Security Server Unavailable	nmcHsServerUnavailable 1.3.6.1.4.1.429.1.2.6.24.0 mandatory read-write in nmc.mib	This option specifies whether to deny or allow a call when a dial security server is unreachable.Default = denyCall(1).	INTEGER 1 = denyCall 2 = allowCall	
Security Server Select	nmcHsServerSelect 1.3.6.1.4.1.429.1.2.6.25.0 mandatory read-only in nmc.mib	Server Selection for RADIUS Security. Default=none(3).	INTEGER 1 = primary 2 = secondary 3 = none 4 = third 5 = fourth 6 = fifth 7 = sixth	

TCM Name	ASN.1 MIB	Description	Settings	Command
User Name Prompt	nmcHsDialInOutNamePrompt 1.3.6.1.4.1.429.1.2.6.1.0 optional read-write in nmc.mib	This is the first prompt that appears when users establish a connection with a security modem. It should serve to identify the system and prompt users to enter their name.	DisplayString SIZE(0...80)	
			8 = seventh 9 = eighth	
Secondary Security Server IP Address	nmcHsSecondarySrvrAddr 1.3.6.1.4.1.429.1.2.6.26.0 mandatory read-write in nmc.mib	This object identifies the IP address of the Secondary RADIUS Security Server.	IpAddress	
Third RADIUS Security Backup Server	nmcHsSecurity3SrvrAddr 1.3.6.1.4.1.429.1.2.6.28.0 mandatory read-write in nmc.mib	This object identifies the IP address of the 3rd RADIUS Security backup server.	IpAddress	
Fourth RADIUS Security Backup Server	nmcHsSecurity4SrvrAddr 1.3.6.1.4.1.429.1.2.6.29.0 mandatory read-write in nmc.mib	This object identifies the IP address of the 4th RADIUS Security backup server.	IpAddress	
Fifth RADIUS Security Backup Server	nmcHsSecurity5SrvrAddr 1.3.6.1.4.1.429.1.2.6.30.0 mandatory read-write in nmc.mib	This object identifies the IP address of the 5th RADIUS Security backup server.	IpAddress	
Sixth RADIUS Security Backup Server	nmcHsSecurity6SrvrAddr 1.3.6.1.4.1.429.1.2.6.31.0 mandatory read-write	This object identifies the IP address of the 6th RADIUS Security backup server.	IpAddress	

TCM Name	ASN.1 MIB	Description	Settings	Command
User Name Prompt	nmcHsDialInOutNamePrompt 1.3.6.1.4.1.429.1.2.6.1.0 optional read-write in nmc.mib	This is the first prompt that appears when users establish a connection with a security modem. It should serve to identify the system and prompt users to enter their name.	DisplayString SIZE(0...80)	
	in nmc.mib			
Seventh RADIUS Security Backup Server	nmcHsSecurity7SrvrAddr 1.3.6.1.4.1.429.1.2.6.32.0 mandatory read-write in nmc.mib	This object identifies the IP address of the 7th RADIUS Security backup server.	IpAddress	
Eighth RADIUS Security Backup Server	nmcHsSecurity8SrvrAddr 1.3.6.1.4.1.429.1.2.6.33.0 mandatory read-write in nmc.mib	This object identifies the IP address of the 8th RADIUS Security backup server.	IpAddress	
RADIUS Security Server Host Name	nmcHsSecuritySrvrName 1.3.6.1.4.1.429.1.2.6.34.0 mandatory read-write in nmc.mib	Identifies the host name of the RADIUS Security server used to resolve IP addresses through DNS queries.	DisplayString SIZE(0...80)	
RADIUS Security Server DNS	nmcHsSecuritySrvrDnsEna 1.3.6.1.4.1.429.1.2.6.35.0 mandatory read-write in nmc.mib	Indicates RADIUS Security server IP addresses are resolved through DNS queries. If disabled the Security server address objects are used.Default=disabled	INTEGER 1 = enable 2 = disable	
Status-Server Request Interval	nmcHsSecurityStatusInt 1.3.6.1.4.1.429.1.2.6.36.0 mandatory read-write in nmc.mib	This value defines the interval in seconds between Status-Server requests for a failed RADIUS Security server connection.Default=30.	INTEGER (10...65535)	

TCM Name	ASN.1 MIB	Description	Settings	Command
User Name Prompt	nmcHsDialInOutNamePrompt 1.3.6.1.4.1.429.1.2.6.1.0 optional read-write in nmc.mib	This is the first prompt that appears when users establish a connection with a security modem. It should serve to identify the system and prompt users to enter their name.	DisplayString SIZE(0...80)	
Password Prompt	nmcHsDiPasswdEnaDis 1.3.6.1.4.1.429.1.2.6.27.0 optional read-write in nmc.mib	This Optional Object will Enable/Disable PASSWORD prompt for Dial-In Hub Security. Default is Enable(1).	INTEGER 1 = enable 2 = disable	

System Group

TCM Name	ASN.1 MIB	Description	Settings	Command
Chassis Type	sysDescr 1.3.6.1.2.1.1.1.0 mandatory read-only in nmc.mib	A textual description of the entity. This value should include the full name and version identification of the system's hardware type software operating-system and networking software. It is mandatory that this only contain printable ASCII characters.	DisplayString SIZE(0...255)	
USR Object ID	sysObjectID 1.3.6.1.2.1.1.2.0 mandatory read-only in nmc.mib	The vendor's authoritative identification of the network management subsystem contained in the entity. This value is allocated within the SMI enterprises subtree (1.3.6.1.4.1) and provides an easy and unambiguous means for determining `what kind of box' is being managed. For example if vendor `Flintstones Inc.' was assigned the subtree 1.3.6.1.4.1.4242 it could assign the identifier 1.3.6.1.4.1.4242.1.1 to its `Fred Router'.	OBJECT IDENTIFIER	
System Up Time(100'th of a sec)	sysUpTime 1.3.6.1.2.1.1.3.0 mandatory read-only in nmc.mib	The time (in hundredths of a second) since the network management portion of the system was last re-initialized.	TimeTicks	

User Interface Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
LAN IP Address	nmcUiCfgLanIPAddr 1.3.6.1.4.1.429.1.2.8.1.0 mandatory read-write in nmc.mib	This contains the IP address of the LAN interface.	IpAddress	
LAN Subnet Mask	nmcUiCfgLanSubnetMask 1.3.6.1.4.1.429.1.2.8.2.0 mandatory read-write in nmc.mib	This specifies the subnet mask for LAN interface.	IpAddress	
WAN IP Address	nmcUiCfgWanIPAddr 1.3.6.1.4.1.429.1.2.8.3.0 mandatory read-write in nmc.mib	This specifies the IP address for the WAN interface.	IpAddress	
WAN Subnet Mask	nmcUiCfgWanSubnetMask 1.3.6.1.4.1.429.1.2.8.4.0 mandatory read-write in nmc.mib	This specifies the Subnet mask for the WAN interface.	IpAddress	
Default Gateway IP Address	nmcUiCfgDefaultGwyIP 1.3.6.1.4.1.429.1.2.8.5.0 mandatory read-write in nmc.mib	This specifies the address of the Gateway to which the IP will forward those packets whose net ID does not match the net ID of either interface.	IpAddress	
NMC NIC LAN Interface	nmcUiCfgLanIfEnable 1.3.6.1.4.1.429.1.2.8.8.0 optional read-write	This parameter controls the enable/disable of the LAN interface.	INTEGER 1 = enable	

TCM Name	ASN.1 MIB	Description	Settings	Command
LAN IP Address	nmcUiCfgLanIPAddr 1.3.6.1.4.1.429.1.2.8.1.0 mandatory read-write in nmc.mib	This contains the IP address of the LAN interface.	IpAddress	
	in nmc.mib		2 = disable	
Route Traffic between LAN & WAN	nmcUiCfgRouteEnable 1.3.6.1.4.1.429.1.2.8.10.0 optional read-write in nmc.mib	This Parameter controls the ability of the NMC to route traffic between it's LAN and SLIP interfaces Default = enable(1).	INTEGER 1 = enable 2 = disable	
Set UI Port to SLIP Port	nmcUiCfgUiSlipCfg 1.3.6.1.4.1.429.1.2.8.11.0 optional read-write in nmc.mib	This is used to configure the UI port as SLIP or UI. Default=UI.	INTEGER 1 = uiport 2 = slipport	
Second SLIP Port IP Address	nmcUiCfgWan2IpAddr 1.3.6.1.4.1.429.1.2.8.12.0 mandatory read-write in nmc.mib	This contains the IP address of second SLIP port.	IpAddress	
Second SLIP Port Subnet Mask	nmcUiCfgWan2SubnetMask 1.3.6.1.4.1.429.1.2.8.13.0 mandatory read-write in nmc.mib	This contains SubnetMask for Second Slip port.	IpAddress	
UI Port Inactivity Time (minutes)	nmcUiCfgInactiveTime 1.3.6.1.4.1.429.1.2.8.14.0 optional read-write in nmc.mib	This parameter is in minutes it is used as an Inactivity time on the UI port. The Default is 3 minutes and 0 minutes disables the feature.	INTEGER (0...1440)	

TCM Name	ASN.1 MIB	Description	Settings	Command
LAN IP Address	nmcUiCfgLanIPAddr 1.3.6.1.4.1.429.1.2.8.1.0 mandatory read-write in nmc.mib	This contains the IP address of the LAN interface.	IpAddress	
Password for UI	nmcUiCfgPassword 1.3.6.1.4.1.429.1.2.8.15.0 optional read-write in nmc.mib	This parameter is used to Enable or Disable the PASSWORD protection for UI functions. Default = disabled.	INTEGER 1 = enable 2 = disable	

AutoResponse Timer 1

TCM Name	ASN.1 MIB	Description	Settings	Command
Timer Enable	uchasArTimerEna 1.3.6.1.4.1.429.1.1.10.1.1.2.1 optional read-write in chs.mib	Enable or disable the specified global timer.	INTEGER 1 = disable 2 = enable	
Start Date	uchasArTimerStartDate 1.3.6.1.4.1.429.1.1.10.1.1.3.1 optional read-write in chs.mib	This object determines the date on which the timer becomes active. This date is compared against the system date time and time zone defined in management entity. Default=01/01/95	DisplayString SIZE(5...8)	
Start Time	uchasArTimerStartTime 1.3.6.1.4.1.429.1.1.10.1.1.4.1 optional read-write in chs.mib	This object determines the time on which the timer becomes active. This time is compared against the system date time and time zone defined in management entity. Default=00:00:00	DisplayString SIZE(5...8)	
Stop Date	uchasArTimerStopDate 1.3.6.1.4.1.429.1.1.10.1.1.5.1 optional read-write in chs.mib	This object specifies the date on which this timer becomes passive. This date is compared against the system date time and time zone defined in management entity. The timer will not be active if the timer stop date and time is less than system date and time. Default = 01/01/95	DisplayString SIZE(5...8)	
Stop Time	uchasArTimerStopTime 1.3.6.1.4.1.429.1.1.10.1.1.6.1 optional read-write in chs.mib	This object specifies the time on which this timer becomes passive. This time is compared against the system date time and time zone defined in management entity. The timer will not be active if the timer stop date and time is less than system date and time. Default = 00:00:00	DisplayString SIZE(5...8)	
Timer Interval (seconds)	uchasArTimerInterval 1.3.6.1.4.1.429.1.1.10.1.1.7.1 optional read-write	The interval in seconds between each timer firing. The firings will happen at each interval after the timer starts until the date/time specified if the following 2 conditions are met. First TimerInterval must be less than or equal to the timer active period. Second The	INTEGER (0...2678400)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Timer Enable	uchasArTimerEna 1.3.6.1.4.1.429.1.1.10.1.1.2.1 optional read-write in chs.mib	Enable or disable the specified global timer.	INTEGER 1 = disable 2 = enable	
	in chs.mib	start date/time is less than the stop date/time. The timer will fire only once at stop date/time if a zero value has been assigned to this object. Default = 0. Max 259000 sec = 30 days.		
Current Timer State	uchasArTimerState 1.3.6.1.4.1.429.1.1.10.1.1.8.1 optional read-only in chs.mib	This object indicates the current state of the global timer.	INTEGER 1 = init 2 = passive 3 = active	
Times Timer Triggered	uchasArTimerTriggers 1.3.6.1.4.1.429.1.1.10.1.1.9.1 optional read-only in chs.mib	This object indicates the number of times that a global timer has triggered since the last system boot time.	Counter	

AutoResponse Timer 2

TCM Name	ASN.1 MIB	Description	Settings	Command
Timer Enable	uchasArTimerEna 1.3.6.1.4.1.429.1.1.10.1.1.2.2 optional read-write in chs.mib	Enable or disable the specified global timer.	INTEGER 1 = disable 2 = enable	
Start Date	uchasArTimerStartDate 1.3.6.1.4.1.429.1.1.10.1.1.3.2 optional read-write in chs.mib	This object determines the date on which the timer becomes active. This date is compared against the system date time and time zone defined in management entity. Default=01/01/95	DisplayString SIZE(5...8)	
Start Time	uchasArTimerStartTime 1.3.6.1.4.1.429.1.1.10.1.1.4.2 optional read-write in chs.mib	This object determines the time on which the timer becomes active. This time is compared against the system date time and time zone defined in management entity. Default=00:00:00	DisplayString SIZE(5...8)	
Stop Date	uchasArTimerStopDate 1.3.6.1.4.1.429.1.1.10.1.1.5.2 optional read-write in chs.mib	This object specifies the date on which this timer becomes passive. This date is compared against the system date time and time zone defined in management entity. The timer will not be active if the timer stop date and time is less than system date and time. Default = 01/01/95	DisplayString SIZE(5...8)	
Stop Time	uchasArTimerStopTime 1.3.6.1.4.1.429.1.1.10.1.1.6.2 optional read-write in chs.mib	This object specifies the time on which this timer becomes passive. This time is compared against the system date time and time zone defined in management entity. The timer will not be active if the timer stop date and time is less than system date and time. Default = 00:00:00	DisplayString SIZE(5...8)	
Timer Interval (seconds)	uchasArTimerInterval 1.3.6.1.4.1.429.1.1.10.1.1.7.2 optional read-write	The interval in seconds between each timer firing. The firings will happen at each interval after the timer starts until the date/time specified if the following 2 conditions are met. First TimerInterval must be less than or equal to the timer active period. Second The	INTEGER (0...2678400)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Timer Enable	uchasArTimerEna 1.3.6.1.4.1.429.1.1.10.1.1.2.2 optional read-write in chs.mib	Enable or disable the specified global timer.	INTEGER 1 = disable 2 = enable	
	in chs.mib	start date/time is less than the stop date/time. The timer will fire only once at stop date/time if a zero value has been assigned to this object. Default = 0. Max 259000 sec = 30 days.		
Current Timer State	uchasArTimerState 1.3.6.1.4.1.429.1.1.10.1.1.8.2 optional read-only in chs.mib	This object indicates the current state of the global timer.	INTEGER 1 = init 2 = passive 3 = active	
Times Timer Triggered	uchasArTimerTriggers 1.3.6.1.4.1.429.1.1.10.1.1.9.2 optional read-only in chs.mib	This object indicates the number of times that a global timer has triggered since the last system boot time.	Counter	

AutoResponse Timer 3

TCM Name	ASN.1 MIB	Description	Settings	Command
Timer Enable	uchasArTimerEna 1.3.6.1.4.1.429.1.1.10.1.1.2.3 optional read-write in chs.mib	Enable or disable the specified global timer.	INTEGER 1 = disable 2 = enable	
Start Date	uchasArTimerStartDate 1.3.6.1.4.1.429.1.1.10.1.1.3.3 optional read-write in chs.mib	This object determines the date on which the timer becomes active. This date is compared against the system date time and time zone defined in management entity. Default=01/01/95	DisplayString SIZE(5...8)	
Start Time	uchasArTimerStartTime 1.3.6.1.4.1.429.1.1.10.1.1.4.3 optional read-write in chs.mib	This object determines the time on which the timer becomes active. This time is compared against the system date time and time zone defined in management entity. Default=00:00:00	DisplayString SIZE(5...8)	
Stop Date	uchasArTimerStopDate 1.3.6.1.4.1.429.1.1.10.1.1.5.3 optional read-write in chs.mib	This object specifies the date on which this timer becomes passive. This date is compared against the system date time and time zone defined in management entity. The timer will not be active if the timer stop date and time is less than system date and time. Default = 01/01/95	DisplayString SIZE(5...8)	
Stop Time	uchasArTimerStopTime 1.3.6.1.4.1.429.1.1.10.1.1.6.3 optional read-write in chs.mib	This object specifies the time on which this timer becomes passive. This time is compared against the system date time and time zone defined in management entity. The timer will not be active if the timer stop date and time is less than system date and time. Default = 00:00:00	DisplayString SIZE(5...8)	
Timer Interval (seconds)	uchasArTimerInterval 1.3.6.1.4.1.429.1.1.10.1.1.7.3 optional read-write	The interval in seconds between each timer firing. The firings will happen at each interval after the timer starts until the date/time specified if the following 2 conditions are met. First TimerInterval must be less than or equal to the timer active period. Second The	INTEGER (0...2678400)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Timer Enable	uchasArTimerEna 1.3.6.1.4.1.429.1.1.10.1.1.2.3 optional read-write in chs.mib	Enable or disable the specified global timer.	INTEGER 1 = disable 2 = enable	
	in chs.mib	start date/time is less than the stop date/time. The timer will fire only once at stop date/time if a zero value has been assigned to this object. Default = 0. Max 259000 sec = 30 days.		
Current Timer State	uchasArTimerState 1.3.6.1.4.1.429.1.1.10.1.1.8.3 optional read-only in chs.mib	This object indicates the current state of the global timer.	INTEGER 1 = init 2 = passive 3 = active	
Times Timer Triggered	uchasArTimerTriggers 1.3.6.1.4.1.429.1.1.10.1.1.9.3 optional read-only in chs.mib	This object indicates the number of times that a global timer has triggered since the last system boot time.	Counter	

AutoResponse Timer 4

TCM Name	ASN.1 MIB	Description	Settings	Command
Timer Enable	uchasArTimerEna 1.3.6.1.4.1.429.1.1.10.1.1.2.4 optional read-write in chs.mib	Enable or disable the specified global timer.	INTEGER 1 = disable 2 = enable	
Start Date	uchasArTimerStartDate 1.3.6.1.4.1.429.1.1.10.1.1.3.4 optional read-write in chs.mib	This object determines the date on which the timer becomes active. This date is compared against the system date time and time zone defined in management entity. Default=01/01/95	DisplayString SIZE(5...8)	
Start Time	uchasArTimerStartTime 1.3.6.1.4.1.429.1.1.10.1.1.4.4 optional read-write in chs.mib	This object determines the time on which the timer becomes active. This time is compared against the system date time and time zone defined in management entity. Default=00:00:00	DisplayString SIZE(5...8)	
Stop Date	uchasArTimerStopDate 1.3.6.1.4.1.429.1.1.10.1.1.5.4 optional read-write in chs.mib	This object specifies the date on which this timer becomes passive. This date is compared against the system date time and time zone defined in management entity. The timer will not be active if the timer stop date and time is less than system date and time. Default = 01/01/95	DisplayString SIZE(5...8)	
Stop Time	uchasArTimerStopTime 1.3.6.1.4.1.429.1.1.10.1.1.6.4 optional read-write in chs.mib	This object specifies the time on which this timer becomes passive. This time is compared against the system date time and time zone defined in management entity. The timer will not be active if the timer stop date and time is less than system date and time. Default = 00:00:00	DisplayString SIZE(5...8)	
Timer Interval (seconds)	uchasArTimerInterval 1.3.6.1.4.1.429.1.1.10.1.1.7.4 optional read-write	The interval in seconds between each timer firing. The firings will happen at each interval after the timer starts until the date/time specified if the following 2 conditions are met. First TimerInterval must be less than or equal to the timer active period. Second The	INTEGER (0...2678400)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Timer Enable	uchasArTimerEna 1.3.6.1.4.1.429.1.1.10.1.1.2.4 optional read-write in chs.mib	Enable or disable the specified global timer.	INTEGER 1 = disable 2 = enable	
	in chs.mib	start date/time is less than the stop date/time. The timer will fire only once at stop date/time if a zero value has been assigned to this object. Default = 0. Max 259000 sec = 30 days.		
Current Timer State	uchasArTimerState 1.3.6.1.4.1.429.1.1.10.1.1.8.4 optional read-only in chs.mib	This object indicates the current state of the global timer.	INTEGER 1 = init 2 = passive 3 = active	
Times Timer Triggered	uchasArTimerTriggers 1.3.6.1.4.1.429.1.1.10.1.1.9.4 optional read-only in chs.mib	This object indicates the number of times that a global timer has triggered since the last system boot time.	Counter	

Logging Group

TCM Name	ASN.1 MIB	Description	Settings	Command
Event Logging Server	nmcCfgLogSrvrSelect 1.3.6.1.4.1.429.1.2.1.14.0 mandatory read-only in nmc.mib	The server selection for event logging.Default=none(3).	INTEGER 1 = primary 2 = secondary 3 = none 4 = third 5 = fourth 6 = fifth 7 = sixth 8 = seventh 9 = eighth	
Primary Log Server IP Address	nmcCfgLogPriSrvrAddr 1.3.6.1.4.1.429.1.2.1.15.0 mandatory read-write in nmc.mib	The primary logging server's IP address.	IpAddress	
Secondary Log Server IP Address	nmcCfgLogSecSrvrAddr 1.3.6.1.4.1.429.1.2.1.16.0 mandatory read-write in nmc.mib	The secondary logging server's IP address.	IpAddress	
Log Server's UDP Port	nmcCfgLogUdpPortNum 1.3.6.1.4.1.429.1.2.1.17.0 mandatory read-write in nmc.mib	The logging server's UDP port number.Default=1646.	INTEGER (0...65535)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Event Logging Server	nmcCfgLogSrvrSelect 1.3.6.1.4.1.429.1.2.1.14.0 mandatory read-only in nmc.mib	The server selection for event logging.Default=none(3).	INTEGER 1 = primary 2 = secondary 3 = none 4 = third 5 = fourth 6 = fifth 7 = sixth 8 = seventh 9 = eighth	
Logging Client TX Retry	nmcCfgLogRetryCnt 1.3.6.1.4.1.429.1.2.1.18.0 mandatory read-write in nmc.mib	The NMC logging client transmission retry count.Default=3.	INTEGER (0...20)	
Log Group Selection	nmcCfgLogCallStatGrpSel 1.3.6.1.4.1.429.1.2.1.19.0 mandatory read-write in nmc.mib	The optional call statistics groups included in log messages. Groups are Usage(1) Data Transfer(2) Performance(3) Operating Mode(4) and RMMIE(5). Group 1 is always sent. Groups 2-5 are optional.Default = none(1).	INTEGER 1 = none 2 = group2 3 = group3 4 = group4 5 = group23 6 = group24 7 = group34 8 = group234 9 = group5	

TCM Name	ASN.1 MIB	Description	Settings	Command
Event Logging Server	nmcCfgLogSrvrSelect 1.3.6.1.4.1.429.1.2.1.14.0 mandatory read-only in nmc.mib	The server selection for event logging.Default=none(3).	INTEGER 1 = primary 2 = secondary 3 = none 4 = third 5 = fourth 6 = fifth 7 = sixth 8 = seventh 9 = eighth	
			10 = group25 11 = group35 12 = group45 13 = group235 14 = group245 15 = group345 16 = group2345	
MD5 Calculation	nmcCfgLogMD5Calc 1.3.6.1.4.1.429.1.2.1.20.0 optional read-write in nmc.mib	This Optional Object will indicate to the accounting Client whether to calculate MD5 for accounting request message or not. default=disable.	INTEGER 1 = enable 2 = disable	
Third Backup Logging Server	nmcCfgLog3SrvrAddr 1.3.6.1.4.1.429.1.2.1.24.0 mandatory read-write in nmc.mib	The third backup logging server IP address to use.	IpAddress	

TCM Name	ASN.1 MIB	Description	Settings	Command
Event Logging Server	nmcCfgLogSrvrSelect 1.3.6.1.4.1.429.1.2.1.14.0 mandatory read-only in nmc.mib	The server selection for event logging.Default=none(3).	INTEGER 1 = primary 2 = secondary 3 = none 4 = third 5 = fourth 6 = fifth 7 = sixth 8 = seventh 9 = eighth	
Fourth Backup Logging Server	nmcCfgLog4SrvrAddr 1.3.6.1.4.1.429.1.2.1.25.0 mandatory read-write in nmc.mib	The fourth backup logging server IP address to use.	IpAddress	
Fifth Backup Logging Server	nmcCfgLog5SrvrAddr 1.3.6.1.4.1.429.1.2.1.26.0 mandatory read-write in nmc.mib	The fifth backup logging server IP address to use.	IpAddress	
Sixth Backup Logging Server	nmcCfgLog6SrvrAddr 1.3.6.1.4.1.429.1.2.1.27.0 mandatory read-write in nmc.mib	The sixth backup logging server IP address to use.	IpAddress	
Seventh Backup Logging Server	nmcCfgLog7SrvrAddr 1.3.6.1.4.1.429.1.2.1.28.0 mandatory read-write	The seventh backup logging server IP address to use.	IpAddress	

TCM Name	ASN.1 MIB	Description	Settings	Command
Event Logging Server	nmcCfgLogSrvrSelect 1.3.6.1.4.1.429.1.2.1.14.0 mandatory read-only in nmc.mib	The server selection for event logging.Default=none(3).	INTEGER 1 = primary 2 = secondary 3 = none 4 = third 5 = fourth 6 = fifth 7 = sixth 8 = seventh 9 = eighth	
	in nmc.mib			
Eighth Backup Logging Server	nmcCfgLog8SrvrAddr 1.3.6.1.4.1.429.1.2.1.29.0 mandatory read-write in nmc.mib	The eighth backup logging server IP address to use.	IpAddress	
Logging Server's Name	nmcCfgLogSrvrName 1.3.6.1.4.1.429.1.2.1.30.0 mandatory read-write in nmc.mib	The host name of the logging server. Used to resolve logging server IP addresses through DNS query requests from the resolver.	DisplayString SIZE(0...80)	
Logging Server DNS Enable	nmcCfgLogDnsEna 1.3.6.1.4.1.429.1.2.1.34.0 mandatory read-write in nmc.mib	Indicates whether logging server host address DNS resolution is enabled or disabled. Disabled the logging server addresses are taken from the log server address objects.	INTEGER 1 = enable 2 = disable	
Status-Server Request Interval	nmcCfgLogStatusInterval 1.3.6.1.4.1.429.1.2.1.35.0	This value defines the interval in seconds between Status-Server requests for a failed RADIUS Accounting server	INTEGER (10...65535)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Event Logging Server	nmcCfgLogSrvrSelect 1.3.6.1.4.1.429.1.2.1.14.0 mandatory read-only in nmc.mib	The server selection for event logging.Default=none(3).	INTEGER 1 = primary 2 = secondary 3 = none 4 = third 5 = fourth 6 = fifth 7 = sixth 8 = seventh 9 = eighth	
	mandatory read-write in nmc.mib	connection.Default=30.		

Added Cost Features

TCM Name	ASN.1 MIB	Description	Settings	Command
HUB Security	uchasSlotStatFeEna 1.3.6.1.4.1.429.1.1.1.1.1.8.slot optional read-only in chs.mib	This object can be read to determine what options have been enabled in the NACs. It uses individual bits to represent the enable status of the features which are NAC specific. **Bit Mask:** 0x1	INTEGER 0 = Disabled 1 = Enabled	

Power Supply

TCM Name	ASN.1 MIB	Description	Settings	Command
Power Supply Type	uchasPowerSupplyDescr 1.3.6.1.4.1.429.1.1.4.1.1.2 optional read-only in chs.mib	A textual description of the power supply.	DisplayString SIZE(0...124)	
Power Supply Status	uchasPowerSupplyOperStatus 1.3.6.1.4.1.429.1.1.4.1.1.3 optional read-only in chs.mib	Actual status of the power supply represented by this entry in the power supply table.	INTEGER 1 = unknown 2 = bad 3 = good 4 = empty	

RADIUS DNS Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Primary DNS Server's IP Address	nmcCfgDnsPriSrvrAddr 1.3.6.1.4.1.429.1.2.1.22.0 mandatory read-write in nmc.mib	The primary DNS server's IP address.	IpAddress	
Secondary DNS Server's IP Address	nmcCfgDnsSecSrvrAddr 1.3.6.1.4.1.429.1.2.1.23.0 mandatory read-write in nmc.mib	The secondary DNS server's IP address.	IpAddress	
Primary DNS Server Retries	nmcCfgDnsRetryCnt 1.3.6.1.4.1.429.1.2.1.31.0 mandatory read-write in nmc.mib	The maximum number of retries that will be attempted to query a DNS before trying the secondary DNS.	INTEGER (0...20)	
DNS Server's UDP Port	nmcCfgDnsUdpPortNum 1.3.6.1.4.1.429.1.2.1.32.0 mandatory read-write in nmc.mib	The logging server's UDP port number.Default=53.	INTEGER (0...65535)	
DNS Server Select	nmcCfgDnsSrvrSelect 1.3.6.1.4.1.429.1.2.1.33.0 mandatory read-only in nmc.mib	The server selection for DNS.Default=none(1).	INTEGER 1 = none 2 = primary 3 = secondary	

Network Time Protocol

TCM Name	ASN.1 MIB	Description	Settings	Command
Primary NTP Server's IP Address	nmcNtpSrvrPrimAddr 1.3.6.1.4.1.429.1.2.10.1.0 mandatory read-write in nmc.mib	The primary NTP server's IP address.	IpAddress	
Secondary NTP Server's IP Address	nmcNtpSrvrSecdAddr 1.3.6.1.4.1.429.1.2.10.2.0 mandatory read-write in nmc.mib	The secondary NTP server's IP address. This server is only accessed when responses from the primary have failed.	IpAddress	
Synchronization Interval (sec)	nmcNtpSyncInterval 1.3.6.1.4.1.429.1.2.10.3.0 mandatory read-write in nmc.mib	The synchronization interval between successive NTP requests in seconds.	INTEGER (600...86400)	
Operational Mode	nmcNtpOperationalMode 1.3.6.1.4.1.429.1.2.10.4.0 mandatory read-write in nmc.mib	The operational mode of the NTP client. In unicast mode the NTP requests the current time from the primary NTP and uses the secondary NTP as a backup.	INTEGER 1 = disabled 2 = unicast	

13 PRI CARD-LEVEL PARAMETERS

This chapter describes the PRI card-level parameters applicable to NACs operating with these software applications:

- ISDN PRI
- ISDN PRI E1

Actions/Commands

Software Commands

PRI Card Actions:

- No Commands (NF)
- Save to NVRAM (NF)
- Restore from NVRAM (NF)
- Restore from Default (NF)
- Non-Disruptive Self Test (NF)
- Disruptive Self Test (NF)
- Software Reset (NF)
- Reset-> Hi Pri. Timing Src (NF)
- Force TDM Bus Mastership (NF)
- Enter Span to Span Loopback (NF)
- Exit Span to Span Loopback (NF)
- Restore Default UI Password (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
dt1CmdMgtStationId	dt1CmdMgtStationId 1.3.6.1.4.1.429.1.3.4.1.1.2 mandatory read-write in dt1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with dt1CmdReqId and dt1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
dt1CmdReqId	dt1CmdReqId 1.3.6.1.4.1.429.1.3.4.1.1.3 mandatory read-only in dt1.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command or test on this Dual T1 Card. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	
dt1CmdFunction	dt1CmdFunction 1.3.6.1.4.1.429.1.3.4.1.1.4 mandatory read-write in dt1.mib	This object contains a value which describes the command which is being invoked.	INTEGER 1 = noCommand 2 = saveToNVRAM 3 = restoreFromNVRAM 4 = restoreFromDefault 5 = nonDisruptSelfTest 6 = disruptSelfTest 7 = softwareReset 8 = resetToHiPrioTimingSrc 9 = forceTdmBusMastership	

TCM Name	ASN.1 MIB	Description	Settings	Command
dt1CmdMgtStationId	dt1CmdMgtStationId 1.3.6.1.4.1.429.1.3.4.1.1.2 mandatory read-write in dt1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with dt1CmdReqId and dt1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			10 = enterSpanToSpanLoopback 11 = exitSpanToSpanLoopback 12 = restoreDefaultUIPassword	
dt1CmdForce	dt1CmdForce 1.3.6.1.4.1.429.1.3.4.1.1.5 mandatory read-write in dt1.mib	In some cases the Dual T1 Card may be in a state such that certain commands could adversely affect connections. In such cases a command request with this object not present or set to noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent issue of the command to cause the command to be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
dt1CmdParam	dt1CmdParam 1.3.6.1.4.1.429.1.3.4.1.1.6 mandatory read-write in dt1.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no aditional parameters required.	OCTET STRING SIZE(0...24)	
dt1CmdResult	dt1CmdResult 1.3.6.1.4.1.429.1.3.4.1.1.7 mandatory read-only in dt1.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
dt1CmdCode	dt1CmdCode 1.3.6.1.4.1.429.1.3.4.1.1.8 mandatory read-only in dt1.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. In the case of tests a bit mapped result of each of the sub-tests performed can be found in the status table.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 25 = testFailed 58 = userInterfaceActive 73 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
dt1CmdMgtStationId	dt1CmdMgtStationId 1.3.6.1.4.1.429.1.3.4.1.1.2 mandatory read-write in dt1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with dt1CmdReqId and dt1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			pendingSoftwareDownload	

Hardware Commands

PRI Card Actions:

- Hardware No Command (NF)
- Remove from Service (NF)
- Restore to Service (NF)
- Hardware Reset (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write in chs.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uchasCmdResult	uchasCmdResult 1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only in chs.mib	This object contains the result of the most recently requested test or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for saving the results of one command when starting another as	INTEGER 1 = none 2 = success 3 = inProgress	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
		could be required if used by multiple managers concurrently.	4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId 76 = sdlTrigger 77 = downloadingSdlFile 78 = crcTestingSdlFile 79 = queryWorkSpaceSize	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

AutoResponse Events

PRI Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Configure Module from NMC NVRAM
- Configure Module from NMC Factory Defaults
- Remove Module from Service
- Restore Module to Service
- Test Module
- Reset Module
- Busy-Out Module's Analog Phone Lines
- Restore Module's Analog Phone Lines
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Re-initialized	uchasArModuleReinit 1.3.6.1.4.1.429.1.1.9.9.1.3.slot optional read-write in chs.mib	This script is triggered when the following occur: chassis power transitions from off to on; a module is inserted in the chassis; software download has just been completed to a module; a module is restored to service; or a module is reset (hardware).	OCTET STRING SIZE(0...40)	
Module Removed	uchasArModuleRemoved 1.3.6.1.4.1.429.1.1.9.9.1.4.slot optional read-write in chs.mib	This script is triggered when a module is physically removed from the chassis.	OCTET STRING SIZE(0...40)	
Module Non-operational	uchasArModuleNonoper 1.3.6.1.4.1.429.1.1.9.9.1.5.slot	This script is triggered when the following occur: software download to a module has just been started; a module is removed	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
	optional read-write in chs.mib	from service; or a module has failed (i.e. all entities on that module have failed).		
Module Watchdog Time-out	uchasArModuleWatchdog 1.3.6.1.4.1.429.1.1.9.9.1.6.slot optional read-write in chs.mib	This script is triggered when one or more module entities experience a watchdog time-out.	OCTET STRING SIZE(0...40)	

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Timing Source Change	dt1TrapEnaTxTmgSrcSwitch 1.3.6.1.4.1.429.1.3.5.1.2.slot*1000 + channel mandatory read-write in dt1.mib	An object which enables the SNMP proxy agent to generate a trap upon detection of the Dual T1 Card switching to an alternate transmit timing source.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Event	dt1TrapEnaCallEvent 1.3.6.1.4.1.429.1.3.5.1.3.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track calls entering and exiting the NAC.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Arrive	dt1TrapEnaCallArriveEvent 1.3.6.1.4.1.429.1.3.5.1.4.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track call arrivals the NAC. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Connect	dt1TrapEnaCallConnEvent 1.3.6.1.4.1.429.1.3.5.1.5.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track call connects.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Termination	dt1TrapEnaCallTermEvent 1.3.6.1.4.1.429.1.3.5.1.6.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track normal call terminations.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Failure	dt1TrapEnaCallFailEvent 1.3.6.1.4.1.429.1.3.5.1.7.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track failed call terminations.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Packet Bus Clock Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Clock Loss Trap	pbdgCfgClockLossEvent 1.3.6.1.4.1.429.1.14.2.1.1.3.slot*1000 + channel mandatory read-write in pbdg.mib	This object is used to disable the ability for a NAC to report when the packet bus clock has been lost. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Clock Restored Trap	pbdgCfgClockRestoreEvent 1.3.6.1.4.1.429.1.14.2.1.1.4.slot*1000 + channel mandatory read-write in pbdg.mib	This object is used to disable the ability for a NAC to report when the packet bus clock has been restored. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

PRI Card Performance

TCM Name	ASN.1 MIB	Description	Settings	Command
Current Timing Source	dt1StatCurrentTmgSrc 1.3.6.1.4.1.429.1.3.3.1.1.2.slot*1000 + channel mandatory read-only in dt1.mib	Based on the availability of the various timing sources and the current settings of the priorities at which they are to be used the Dual T1 Card will select the current transmit timing source. This object will indicate the current timing source being used for transmit timing.	INTEGER 1 = spanLineA 2 = spanLineB 3 = internalClock 4 = tdmBusClock	

Packet Bus Datagrams

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Datagrams sent	pbdgDatagramSentPkts 1.3.6.1.4.1.429.1.14.1.1.1.2.slot*1000 + channel mandatory read-only in pbdg.mib	This object contains the number of packet bus datagrams sent by this entity.	Counter	
Packet Bus Datagrams received	pbdgDatagramRcvdPkts 1.3.6.1.4.1.429.1.14.1.1.1.3.slot*1000 + channel mandatory read-only in pbdg.mib	This object contains the number of packet bus datagrams received by this entity.	Counter	
Packet Bus Timeouts	pbdgDatagramBusTimeOuts 1.3.6.1.4.1.429.1.14.1.1.1.4.slot*1000 + channel mandatory read-only in pbdg.mib	This object contains the number of packet bus timeouts experienced by this entity.	Counter	
Packet Bus Error Status	pbdgDatagramErrorStatus 1.3.6.1.4.1.429.1.14.1.1.1.5.slot*1000 + channel mandatory read-only in pbdg.mib	This object reflects the current error status of this entity.	INTEGER 1 = noError 2 = invalidParm 3 = socketNotOpened 4 = noMoreSocket 9 = ackWaitTimeout 10 = hwNakRcvd 11 = otherBusError 14 = noMemory 15 = nullPointer 17 = notInitialized 18 = failedToRecv 19 = invalidMsgType 22 = socketClosed 27 = noResponse 29 = noDataToTx 30 = txPreAck 31 = txTardyAck 32 = txBusTimeOut 33 = rxBusTimeOut 34 = txTAL 35 = rxTAL 36 = txMasterTimeOut 37 = clkVanished 38 = clkReturned 39 = shutdown 40 = frameError	

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Datagrams sent	pbdgDatagramSentPkts 1.3.6.1.4.1.429.1.14.1.1.1.2.slot*1000 + channel mandatory read-only in pbdg.mib	This object contains the number of packet bus datagrams sent by this entity.	Counter	
			41 = xlDTimeOut 45 = invalidAckMeRtnMarker 46 = invalidFragmentOffset 47 = maxRxMsgLengthExceeded	
Packet Bus Clock Status	pbdgDatagramClockStatus 1.3.6.1.4.1.429.1.14.1.1.1.6.slot*1000 + channel mandatory read-only in pbdg.mib	This object defines the current status of the packet bus clock.	INTEGER 1 = notSupported 2 = clockMaster 3 = clockSlave 4 = noClockPresent	

Programmed Settings

PRI Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	uchasEntityOperStatus 1.3.6.1.4.1.429.1.1.2.1.1.5.slot*1000 + channel mandatory read-only in chs.mib	Provides operational status of the entity for which this row corresponds.	INTEGER 1 = other 2 = outOfService 3 = testing 4 = operational 5 = failed 6 = loading 7 = inLoopBackTest	
Serial Number	dt1IdHardwareSerNum 1.3.6.1.4.1.429.1.3.1.1.1.2.slot*1000 + channel mandatory read-only in dt1.mib	The dual T1 card's hardware serial number as stored in EEPROM.	DisplayString SIZE(0...24)	
Hardware Revision	dt1IdHardwareRev 1.3.6.1.4.1.429.1.3.1.1.1.3.slot*1000 + channel mandatory read-only in dt1.mib	The hardware revision of the specified dual T1 card as stored in its EEPROM.	DisplayString SIZE(0...24)	
Software Version	dt1IdSoftwareRev 1.3.6.1.4.1.429.1.3.1.1.1.4.slot*1000 + channel mandatory read-only in dt1.mib	The revision of the software being executed in the specified dual T1 card.	DisplayString SIZE(0...24)	
DIP Switch Settings	uchasSlotSwitchSettings 1.3.6.1.4.1.429.1.1.1.1.1.11.slot mandatory read-only in chs.mib	This represents the DIP switch settings on the NAC. It is a bitmapped integer.	INTEGER	
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	

PRI Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Line A Timing Source	dt1CfgSpanATmgSrcPrio 1.3.6.1.4.1.429.1.3.2.1.1.2.slot*1000 + channel mandatory read-write in dt1.mib	Identifies the priority at which the clock recovered from span line A is to be used as this Dual T1 Card's transmit timing source.	INTEGER 1 = notAllowed 2 = high 3 = mediumHigh 4 = medium 5 = low	
Line B Timing Source	dt1CfgSpanBTmgSrcPrio 1.3.6.1.4.1.429.1.3.2.1.1.3.slot*1000 + channel mandatory read-write in dt1.mib	Identifies the priority at which the clock recovered from span line B is to be used as this Dual T1 Card's transmit timing source.	INTEGER 1 = notAllowed 2 = high 3 = mediumHigh 4 = medium 5 = low	
Internal Timing Source	dt1CfgInternTmgSrcPrio 1.3.6.1.4.1.429.1.3.2.1.1.4.slot*1000 + channel mandatory read-write in dt1.mib	Identifies the priority at which this Dual T1 Card's internal clock is to be used as the transmit timing source.	INTEGER 1 = notAllowed 2 = high 3 = mediumHigh 4 = medium 5 = low	
ISDN-GW Slot	idt1CfgAssgndISDNGateway 1.3.6.1.4.1.429.1.15.1.1.1.2.slot*1000 + channel mandatory read-write in idt1.mib	Identifies the NAS chassis slot of the Gateway Card assigned to this T1-PRI ISDN card. Range 0-16. Default=0(none).	INTEGER (0...16)	
Analog Modem Calls	idt1CfgMdmCallsAllowedEna 1.3.6.1.4.1.429.1.15.1.1.1.3.slot*1000 + channel mandatory read-write in idt1.mib	Indicates if modem calls are disabled/enabled for this T1-PRI ISDN Card. Default = enable(1).	INTEGER 1 = enable 2 = disable	
Modem call routing method	idt1CfgMdmRoutingMethod 1.3.6.1.4.1.429.1.15.1.1.1.4.slot*1000 + channel mandatory read-write in idt1.mib	Defines the mechanism used for modem call routing for this T1-PRI ISDN Card.Default = roundRobin(2).	INTEGER 1 = notSupported 2 = roundRobin 3 = firstAvailable 4 = fixedAssignment	
Set DS0 Out of Service upon NAC Removal	dt1CfgSetDs0OutofService 1.3.6.1.4.1.429.1.3.2.1.1.9.slot*1000 + channel mandatory read-write in dt1.mib	This object determines to put DS0s out of service upon removal Quad Modem NAC when fixed modem routing method is engaged.Default = disable(2).	INTEGER 1 = enable 2 = disable	
INFO Message Timeout	idt1CfgInfoMsgTimeOut 1.3.6.1.4.1.429.1.15.1.1.1.6.slot*1000 + channel mandatory read-write in idt1.mib	This object sets the time out delay in seconds between INFO messages. This parameter is effective if overlap rx mode is enabled. Default = 12	INTEGER (0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Line A Timing Source	dt1CfgSpanATmgSrcPrio 1.3.6.1.4.1.429.1.3.2.1.1.2.slot*1000 + channel mandatory read-write in dt1.mib	Identifies the priority at which the clock recovered from span line A is to be used as this Dual T1 Card's transmit timing source.	INTEGER 1 = notAllowed 2 = high 3 = mediumHigh 4 = medium 5 = low	
DNIS Length	idt1CfgInbDNISLength 1.3.6.1.4.1.429.1.15.1.1.1.7.slot*1000 + channel mandatory read-write in idt1.mib	This objects sets the total number of digits expected in the inbound phone number. In the E1-PRI this only is effective when overlap rx mode is enabled. Default = 15	INTEGER (1...15)	
Select PCM Companding	idt1CfgSelectCompanding 1.3.6.1.4.1.429.1.15.1.1.1.8.slot*1000 + channel mandatory read-write in idt1.mib	Select companding (alaw or ulaw) for use with PCM encoded data. Default = useCountryCode(3).	INTEGER 1 = alaw 2 = ulaw 3 = useCountryCode	

TCM Name	ASN.1 MIB	Description	Settings	Command
CSU 2 Test	dt1StatSelfTest 1.3.6.1.4.1.429.1.3.3.1.1.3.slot*1000 + channel mandatory read-only in dt1.mib	This object contains the result of the last self test command requested from the command table. It includes both destructive and non destructive results. **Bit Mask:** 0x800	INTEGER 0 = Pass 1 = Fail	

PRI Call Routing Group

TCM Name	ASN.1 MIB	Description	Settings	Command
Inbound Phone Number	idt1CrInboundPhNum 1.3.6.1.4.1.429.1.15.2.1.1.3.slot*1000 + channel mandatory read-write in idt1.mib	This is one of the 48 inbound call routing phone numbers.	DisplayString SIZE(0...36)	
Inbound Call Type	idt1CrInboundCallType 1.3.6.1.4.1.429.1.15.2.1.1.4.slot*1000 + channel mandatory read-write in idt1.mib	This is one of the 48 inbound call routing call types. Default = analog(1).	INTEGER 1 = analog 2 = digital	

Packet Bus Group

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Clock Master	pbdgCfgMasterClock 1.3.6.1.4.1.429.1.14.2.1.1.2.slot*1000 + channel mandatory read-write in pbdg.mib	This object is used to disable the ability for a NAC to act as packet bus clock master.Default =enable(2).	INTEGER 1 = notSupported 2 = enable 3 = disable	

DNIS Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
DNIS number	idt1PlDNIS 1.3.6.1.4.1.429.1.15.3.1.1.3.slot*1000 + channel mandatory read-write in idt1.mib	This is the DNIS number associated with the POOL ID.	DisplayString SIZE(0...36)	
Pool Type	idt1PlType 1.3.6.1.4.1.429.1.15.3.1.1.4.slot*1000 + channel mandatory read-write in idt1.mib	This object is the pool type associated with the pool ID.	INTEGER 1 = none 2 = analog 3 = digital 4 = both	

Modem Resource Pool Assignment

TCM Name	ASN.1 MIB	Description	Settings	Command
Slot	idt1MdmRPASlot 1.3.6.1.4.1.429.1.15.4.1.1.3.slot*1000 + channel mandatory read-only in idt1.mib	The channel associated with the Id of Modem device Reserved resource Pool Assignment table.	INTEGER (1...16)	
Channel	idt1MdmRPAChan 1.3.6.1.4.1.429.1.15.4.1.1.4.slot*1000 + channel mandatory read-only in idt1.mib	The slot associated with the Id of Modem device Reserved resource Pool Assignment table.	INTEGER (1...4)	
Pool ID	idt1MdmRPAPoolID 1.3.6.1.4.1.429.1.15.4.1.1.5.slot*1000 + channel mandatory read-write in idt1.mib	The Pool Id assigned in the Modem device Reserved resource Pool Assignment table (1/2/3/4 <-> none/A/B/C/D).	INTEGER (0...12)	

Gateway Resource Pool Assignment

TCM Name	ASN.1 MIB	Description	Settings	Command
Pool ID	idt1GwyRPAPoolID 1.3.6.1.4.1.429.1.15.5.1.1.3.slot*1000 + channel mandatory read-write in idt1.mib	The Pool Id assigned in the ISDN-Gateway device Reserved resource Pool Assignment table (1/2/3/4 <-> none/A/B/C/D).	INTEGER (0...12)	

14 PRI DS0-LEVEL PARAMETERS

This chapter describes the PRI DS0-level parameters applicable to NACs operating with these software applications:

- ISDN PRI
- ISDN PRI E1

Actions/Commands

Software Commands

PRI DS0 Actions:

- No Command (NF)
- Disconnect (NF)
- In Service (NF)
- Local Out Of Service (NF)
- Block Analog Calls (NF)
- Block Digital Calls (NF)
- Block All Calls (NF)
- Block No Calls (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
ids0CmdMgtStationId	ids0CmdMgtStationId 1.3.6.1.4.1.429.1.16.3.1.3 mandatory read-write in ids0.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ds0CmdReqId and ds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
ids0CmdReqId	ids0CmdReqId 1.3.6.1.4.1.429.1.16.3.1.4 mandatory read-only in ids0.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on this DS0 entity. If the request-id is unknown or undefined this object contains the zero value.	INTEGER	
ids0CmdFunction	ids0CmdFunction 1.3.6.1.4.1.429.1.16.3.1.5 mandatory read-write in ids0.mib	This object contains a value that identifies the command being requested.	INTEGER 1 = noCommand 2 = disconnect 3 = inService 4 = localOutofService 5 = blockAnalogCalls 6 = blockDigitalCalls 7 = blockAllCalls 8 = blockNoCalls	
ids0CmdForce	ids0CmdForce 1.3.6.1.4.1.429.1.16.3.1.6 mandatory read-write in ids0.mib	In some cases the DS0 entity may be in a state such that certain commands could adversely affect connections. In such cases a command request with ds0CmdForce not defined or set to noForce will result in a warning. If the operator elects to ignore such warnings ds0CmdForce can be set to force in a re-issued	INTEGER 1 = force 2 = noForce	

TCM Name	ASN.1 MIB	Description	Settings	Command
ids0CmdMgtStationId	ids0CmdMgtStationId 1.3.6.1.4.1.429.1.16.3.1.3 mandatory read-write in ids0.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ds0CmdReqId and ds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
		request and the command will be carried out regardless of its potentially hazzardous effects.		
ids0CmdParam	ids0CmdParam 1.3.6.1.4.1.429.1.16.3.1.7 mandatory read-write in ids0.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
ids0CmdResult	ids0CmdResult 1.3.6.1.4.1.429.1.16.3.1.8 mandatory read-only in ids0.mib	This object contains the result of the most recently requested command or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
ids0CmdCode	ids0CmdCode 1.3.6.1.4.1.429.1.16.3.1.9 mandatory read-only in ids0.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 73 = pendingSoftwareDownload	

Timeslot Status Group

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0 Timeslot Status	ids0StatDs0 1.3.6.1.4.1.429.1.16.2.1.3.slot*1000 + channel.subchannel mandatory read-only in ids0.mib	This object indicates the current status of the specified timeslot. The status values change dynamically with system operation.	INTEGER 1 = other 2 = idle 3 = dialingIn 4 = dialingOut 5 = connectedIn 6 = connectedOut 22 = ds0CallDisc 23 = ds0IsDchan 24 = ds0OutOfServ 25 = ds0InMaint 26 = ds0IsFchan 27 = ds0LclOutOfService	
Device the Timeslot Connected to	ids0StatDevConnTo 1.3.6.1.4.1.429.1.16.2.1.4.slot*1000 + channel.subchannel mandatory read-only in ids0.mib	This object indicates the device currently connected.	INTEGER 1 = none 2 = isdnGateway 3 = quadModem 4 = quadlModem	
Slot the Timeslot Connected to	ids0StatSlotConnTo 1.3.6.1.4.1.429.1.16.2.1.5.slot*1000 + channel.subchannel mandatory read-only in ids0.mib	This object indicates the slot of the device currently connected. Range = 0(none)-16.	INTEGER (0...16)	
Channel the Timeslot connected to	ids0StatChanConnTo 1.3.6.1.4.1.429.1.16.2.1.6.slot*1000 + channel.subchannel mandatory read-only in ids0.mib	This object indicates the channel of the device currently connected. Default 255.	INTEGER (0...255)	
DS0 Service State	ids0StatDs0SrvcState 1.3.6.1.4.1.429.1.16.2.1.7.slot*1000 + channel.subchannel mandatory read-only in ids0.mib	This is the current service state of a DS0. This object does not apply to Rob Bit T1 operation.	INTEGER 1 = notSupported 2 = inService 3 = localOutOfService 4 = maintenance 5 = remoteOutOfService	

15 PRI SPAN-LEVEL PARAMETERS

This chapter describes the span-level parameters applicable to NACs operating with these software applications:

- ISDN PRI
- ISDN PRI E1

Actions/Commands

Software Commands

PRI Span Line Actions:

- No Command (NF)
- Force Receiver Reframe (NF)
- Enter Loopback (NF)
- Exit Loopback (NF)
- In Service (NF)
- Local Out of Service (NF)
- Block Analog Calls (NF)
- Block Digital Calls (NF)
- Block All Calls (NF)
- Block No Calls (NF)
- Override Red Alarm LED (NF)
- Take Down D Channel (NF)
- Bring Up D Channel (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
uds1CmdMgtStationId	uds1CmdMgtStationId 1.3.6.1.4.1.429.1.4.6.1.2 mandatory read-write in uds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uds1CmdReqId and uds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uds1CmdReqId	uds1CmdReqId 1.3.6.1.4.1.429.1.4.6.1.3 mandatory read-only in uds1.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on this DS1 interface. If the request-id is unknown or undefined this object contains the zero value.	INTEGER	
uds1CmdFunction	uds1CmdFunction 1.3.6.1.4.1.429.1.4.6.1.4 mandatory read-write in uds1.mib	This object identifies the command being requested.	INTEGER 1 = noCommand 2 = forceReceiverReframe 3 = enterLoopback 4 = exitLoopback 5 = inService 6 = localOutOfService 7 = blockAnalogCalls 8 = blockDigitalCalls 9 = blockAllCalls	

TCM Name	ASN.1 MIB	Description	Settings	Command
uds1CmdMgtStationId	uds1CmdMgtStationId 1.3.6.1.4.1.429.1.4.6.1.2 mandatory read-write in uds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uds1CmdReqId and uds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			10 = blockNoCalls 11 = redAlarmOverride 12 = takeDownDChannel 13 = bringUpDChannel	
uds1CmdForce	uds1CmdForce 1.3.6.1.4.1.429.1.4.6.1.5 mandatory read-write in uds1.mib	In some cases the DS1 interface may be in a state such that certain commands could adversely affect connections. In such cases a command request with uds1CmdForce not defined or set to noForce will result in a warning. If the operator elects to ignore such warnings uds1CmdForce can be set to force in a re-issued request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uds1CmdParam	uds1CmdParam 1.3.6.1.4.1.429.1.4.6.1.6 mandatory read-write in uds1.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uds1CmdResult	uds1CmdResult 1.3.6.1.4.1.429.1.4.6.1.7 mandatory read-only in uds1.mib	This object contains the result of the most recently requested command or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uds1CmdCode	uds1CmdCode 1.3.6.1.4.1.429.1.4.6.1.8 mandatory read-only in uds1.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 73 = pendingSoftwareDownload	

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
Trap on Yellow Alarm	uds1TrapEnaYellowAlarm 1.3.6.1.4.1.429.1.4.7.1.2.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Red Alarm	uds1TrapEnaRedAlarm 1.3.6.1.4.1.429.1.4.7.1.3.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Loss of Signal	uds1TrapEnaLossOfSignal 1.3.6.1.4.1.429.1.4.7.1.4.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Alarm Ind Signal	uds1TrapEnaAlarmIndSignal 1.3.6.1.4.1.429.1.4.7.1.5.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On CRC	uds1TrapEnaContCrcAlrm 1.3.6.1.4.1.429.1.4.7.1.10.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a continuous CRC condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Physical State Change	uds1TrapEnaPhysStateChng 1.3.6.1.4.1.429.1.4.7.1.12.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a change in the physical state of the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Yellow Alarm Cleared	uds1TrapEnaYellowAlarmClr 1.3.6.1.4.1.429.1.4.7.1.6.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

TCM Name	ASN.1 MIB	Description	Settings	Command
Trap on Yellow Alarm	uds1TrapEnaYellowAlarm 1.3.6.1.4.1.429.1.4.7.1.2.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Red Alarm Cleared	uds1TrapEnaRedAlarmClr 1.3.6.1.4.1.429.1.4.7.1.7.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Loss of Signal Cleared	uds1TrapEnaLossOfSgnlClr 1.3.6.1.4.1.429.1.4.7.1.8.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Alarm Ind Signal Cleared	uds1TrapEnaAlrmIndSgnlClr 1.3.6.1.4.1.429.1.4.7.1.9.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On CRC Cleared	uds1TrapEnaContCrcAlrmClr 1.3.6.1.4.1.429.1.4.7.1.11.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of the clearing of a continuous CRC condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

D-Channel Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
D Channel in Service trap	uds1TrapEnaDchanInSrvc 1.3.6.1.4.1.429.1.4.7.1.13.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a D channel on this span line from Out of Service Maintenance or Standby to In Service.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
D Channel out of Service trap	uds1TrapEnaDchanOutOfSrvc 1.3.6.1.4.1.429.1.4.7.1.14.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a D channel on this span line from In Service to Out of Service Maintenance or Standby.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

DS0 Service Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0 in Service trap	uds1TrapEnaDs0InSrvc 1.3.6.1.4.1.429.1.4.7.1.15.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a DS0 on this span line from Out of Service to In Service.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
DS0 out of Service trap	uds1TrapEnaDs0OutOfSrvc 1.3.6.1.4.1.429.1.4.7.1.16.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a DS0 on this span line from In Service to Out of Service.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

PRI Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Since Start of Error Measurement	ds1TimeElapsed 1.3.6.1.3.2.1.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (1...900)	
Number of Valid Sampling Intervals	ds1ValidIntervals 1.3.6.1.3.2.1.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (0...96)	
CSU Loopback State	ds1Loopback 1.3.6.1.3.2.1.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoLoop 2 = ds1LocalLoopbackLocalSide 3 = ds1LocalLoopbackRemoteSide 4 = ds1RemoteLoopbackLocalSide 5 = ds1RemoteLoopbackRemoteSide	
Sending Code Type	ds1SendCode 1.3.6.1.3.2.1.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1OtherTest 2 = ds1SendNoCode 3 = ds1SendSetCode 4 = ds1SendResetCode 5 = ds1SendQRSS	
Yellow Alarm State	ds1YellowAlarm 1.3.6.1.3.2.1.1.9.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoYellowAlarm 2 = ds1YellowAlarm	
Red Alarm State	ds1RedAlarm 1.3.6.1.3.2.1.1.10.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoRedAlarm 2 = ds1RedAlarm	
Vendor's Circuit ID	ds1CircuitIdentifier 1.3.6.1.3.2.1.1.11.slot*1000 + channel mandatory read-only in ds1.mib	Null	DisplayString SIZE(0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Since Start of Error Measurement	ds1TimeElapsed 1.3.6.1.3.2.1.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (1...900)	
Receiver Gain Applied	uds1StatReceiverGain 1.3.6.1.4.1.429.1.4.5.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object identifies the amount of gain applied to boost the receive signal level to an appropriate operating level.	INTEGER 1 = dB0 2 = dB7 3 = dB15 4 = dB22 5 = notApplicable	
Lost Framing Pattern	uds1StatOutOfFrame 1.3.6.1.4.1.429.1.4.5.1.3.slot*1000 + channel mandatory read-only in uds1.mib	This object indicates when the framing pattern for the specified T1 line has been lost and data connot be extracted properly. This condition is also known as red alarm.	INTEGER 1 = false 2 = true	
Loss of Signal Detected	uds1StatLossOfSignal 1.3.6.1.4.1.429.1.4.5.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object indicates when 175 consecutive 0's have been detected. The signal is considered recovered if the 1's density reaches 12.5% (ie. four ones in a 32 bit period).	INTEGER 1 = false 2 = true	
Lost Receive (Blue Alarm)	uds1StatReceivingAIS 1.3.6.1.4.1.429.1.4.5.1.5.slot*1000 + channel mandatory read-only in uds1.mib	This object identifies when the remote end of the specified T1 line has lost its receive signal and is transmitting a stream of all 1's to the local end. This AIS condition is also known as blue alarm.	INTEGER 1 = false 2 = true	
Active Primary Switch Type	uds1StatSwitchTypeActive 1.3.6.1.4.1.429.1.4.5.1.6.slot*1000 + channel mandatory read-only in uds1.mib	This object identifies the primary switch type that the T1-PRI ISDN NAC is currently connected to.	INTEGER 1 = priSw4ESS 2 = priSw5ESS 3 = priSwDMS100 4 = priSwICTR4 5 = priSwVn4 6 = priSwNI2 7 = priSwINS1500 8 = priSwDASS2 9 = priSwTSO14	
D Channel Operational Status	uds1StatDchanOperational 1.3.6.1.4.1.429.1.4.5.1.7.slot*1000 + channel mandatory read-only in uds1.mib	This object reflects the operational status of the D channel on the T1-PRI ISDN NAC.	INTEGER 1 = dChannelUp 2 = dChannelDown	
Span Line CRC Errors	uds1StatE1ContCrc 1.3.6.1.4.1.429.1.4.5.1.8.slot*1000 + channel mandatory read-only in uds1.mib	This object indicates when continuous CRC errors are being received on the E1 DS1 span line on the T1-PRI ISDN NAC.	INTEGER 1 = false 2 = true	
Span Line Physical State	uds1StatE1PhysicalState 1.3.6.1.4.1.429.1.4.5.1.9.slot*1000 + channel mandatory read-only in uds1.mib	This object reflects the physical state of the E1 DS1 span line on the T1-PRI ISDN NAC.	INTEGER 1 = psF1Operational 2 = psF2Fc1RaiTempCrcErrors 3 = psF3Fc2LossOfSignal	

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Since Start of Error Measurement	ds1TimeElapsed 1.3.6.1.3.2.1.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (1...900)	
			4 = psF4Fc3AlarmIndSignal 5 = psF5Fc4RaiContCrcErrors 6 = psF6PowerOn	
State of the D Channel	uds1StatDChannel 1.3.6.1.4.1.429.1.4.5.1.12.slot*1000 + channel mandatory read-only in uds1.mib	This is the status of the D channel for this PRI span line. A value of notSupported(1) means that this DS1 is not operating in ISDN mode or there is no D channel defined on this span line.	INTEGER 1 = notSupported 2 = inService 3 = bChannel	
DS0 Service Change List	uds1StatDs0SrvcChngLst 1.3.6.1.4.1.429.1.4.5.1.13.slot*1000 + channel mandatory read-only in uds1.mib	This object contains the current list of DS0s that have changed their state from In Service to Out of Service or Vice versa. The list is included in the corresponding SNMP trap.	DisplayString SIZE(0...96)	
NFAS D Channel	uds1StatNfasDChannel 1.3.6.1.4.1.429.1.4.5.1.11.slot*1000 + channel mandatory read-only in uds1.mib	This reflect how a PRI span line is using the DS0 normally assigned as a D channel when NFAS is being used. This object does not apply to Rob Bit T1 operation.Default = dchannel(2).	INTEGER 1 = notSupported 2 = dchannel 3 = extraBchannel	

Span Line Interval Group (15 min. Intervals)

TCM Name	ASN.1 MIB	Description	Settings	Command
Interval BPVs	ds1IntervalBPVs 1.3.6.1.3.2.2.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Errored Seconds	ds1IntervalESs 1.3.6.1.3.2.2.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1IntervalSESs 1.3.6.1.3.2.2.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1IntervalSEFSs 1.3.6.1.3.2.2.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1IntervalUASs 1.3.6.1.3.2.2.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1IntervalCSSs 1.3.6.1.3.2.2.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1IntervalCVs 1.3.6.1.3.2.2.1.9.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Most Recent 15 min. Interval	uds1IntNumber 1.3.6.1.4.1.429.1.4.2.1.2.slot*1000 + channel mandatory read-only in uds1.mib	A number between 1 and 96 where 1 is the most recently completed 15 minute interval and 96 is the least recently completed 15 minute interval (assuming that all 96 intervals are valid).	INTEGER	
Interval Bursty Errored Seconds	uds1IntBurstyErrSeconds 1.3.6.1.4.1.429.1.4.2.1.3.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds over the specified interval in which there were more than 2 and less than 320 CRC errors.	Counter	
Incorrectly Received Framing Bits	uds1IntFrameBitErrors 1.3.6.1.4.1.429.1.4.2.1.4.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used for the T1 receiver to determine frame allignment. This object counts the number of incorrectly received framing bits in the specified 15 minute interval.	Counter	
Reframimg Counts	uds1IntDeltaFrameAlligns	This object counts the number of times the specified T1 receiver	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Interval BPVs	ds1IntervalBPVs 1.3.6.1.3.2.2.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
	1.3.6.1.4.1.429.1.4.2.1.5.slot*1000 + channel mandatory read-only in uds1.mib	has reframed on a new framing pattern (ie. due to an OOF condition) in the specified 15 minute interval.		
Excess CRC Errors	uds1IntExcessCRCErrors 1.3.6.1.4.1.429.1.4.2.1.6.slot*1000 + channel mandatory read-only in uds1.mib	This object counts each time 32 of any 33 consecutive CRCs are in error for the specified T1 line in the specified 15 minute interval. This counter is only valid in ESF format.	Counter	

Span Line Current Group (15 min.)

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1CurrentESs 1.3.6.1.3.2.3.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1CurrentSESs 1.3.6.1.3.2.3.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1CurrentSEFSs 1.3.6.1.3.2.3.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1CurrentUASs 1.3.6.1.3.2.3.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Controlled Slip Seconds	ds1CurrentCSSs 1.3.6.1.3.2.3.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1CurrentBPVs 1.3.6.1.3.2.3.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1CurrentCVs 1.3.6.1.3.2.3.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Current Bursty Errored Seconds	uds1CurrBurstyErrSeconds 1.3.6.1.4.1.429.1.4.3.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds in the current 15 minute interval during which there was more than two and less than 320 CRC errors.	Counter	
Incorrectly Received Framing Bits	uds1CurrFrameBitErrors 1.3.6.1.4.1.429.1.4.3.1.3.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used for the receiver to determine frame allignment. This object is a count of the number of incorrectly received framing bits in the current 15 minute interval.	Counter	
Reframing Counts	uds1CurrDeltaFrameAlligns 1.3.6.1.4.1.429.1.4.3.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of times the specified T1 receiver has reframed on a new framing pattern (ie. due to an OOF condition) in the current 15 minute interval.	Counter	
Current Excess CRC	uds1CurrExcessCRCErrors 1.3.6.1.4.1.429.1.4.3.1.5.slot*1000 + channel	This object counts each time 32 of any 33 consecutive CRCs are in	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1CurrentESs 1.3.6.1.3.2.3.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Errors	mandatory read-only in uds1.mib	error for the specified T1 line in the current 15 minute interval. This counter is only valid in ESF format.		

Span Line Total Group (24 hrs.)

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1TotalESs 1.3.6.1.3.2.4.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1TotalSESs 1.3.6.1.3.2.4.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1TotalSEFSs 1.3.6.1.3.2.4.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1TotalUASs 1.3.6.1.3.2.4.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Controlled Slip Seconds	ds1TotalCSSs 1.3.6.1.3.2.4.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1TotalBPVs 1.3.6.1.3.2.4.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1TotalCVs 1.3.6.1.3.2.4.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Total Bursty Errored Seconds	uds1TotBurstyErrSeconds 1.3.6.1.4.1.429.1.4.4.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds over the last 24 hour period in which there were more than 2 and less than 320 CRC errors.	Counter	
Framing Errors	uds1TotFrameBitErrors 1.3.6.1.4.1.429.1.4.4.1.3.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used so the T1 receiver can determine frame allignment. This object counts the total number of incorrectly received framing bits in the last 24 hour period.	Counter	
Reframing Counts	uds1TotDeltaFrameAlligns 1.3.6.1.4.1.429.1.4.4.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of times the specified T1 receiver has reframed on a new framing pattern (ie. due to an OOF condition) in the last 24 hour period.	Counter	
Total Excess CRC Errors	uds1TotExcessCRCErrors 1.3.6.1.4.1.429.1.4.4.1.5.slot*1000 + channel	This object indicates the total number of times there have been 32	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1TotalESs 1.3.6.1.3.2.4.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
	mandatory read-only in uds1.mib	of any 33 consecutive CRCs in error on the specified T1 line in the last 24 hour period. This counter is only valid in ESF format.		

Bulk DS0

TCM Name	ASN.1 MIB	Description	Settings	Command
Current State of the DS0	ids0BulkAccessStatDs0Mdm 1.3.6.1.4.1.429.1.16.4.1.2.slot*1000 + channel mandatory read-only in ids0.mib	This object contains all of the ids0Stat table parameters for all the DS0's on the DS1	OCTET STRING SIZE(0...255)	

PRI Trunk Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	ds1LineType 1.3.6.1.3.2.1.1.5.slot*1000 + channel mandatory read-write in ds1.mib	Null	INTEGER 1 = other 2 = ds1ESF 3 = ds1D4 4 = ds1ANSI-ESF 5 = ds1G704 6 = ds1G704-CRC	
Line Coding Options	uds1CfgZeroCoding 1.3.6.1.4.1.429.1.4.1.1.7.slot*1000 + channel mandatory read-write in uds1.mib	This object defines the type of zero coding used on the specified DS1. It provides some values that are not present in the experimental DS1 MIB.	INTEGER 1 = other 2 = zcs 3 = b8zs 4 = ami 5 = hdb3	
Response to Remote Loopback	uds1CfgRespToRemoteLoopbk 1.3.6.1.4.1.429.1.4.1.1.2.slot*1000 + channel mandatory read-write in uds1.mib	This object configures the specified CSU to either ignore or respond to remotely initiated loopback requests.	INTEGER 1 = ignore 2 = respond	
Jitter Attenuation	uds1CfgJitterAttenuation 1.3.6.1.4.1.429.1.4.1.1.3.slot*1000 + channel mandatory read-write in uds1.mib	This object is used to select how the jitter attenuation circuit on the CSU is to be used. It can be used to attenuate jitter on the receiver or the transmitter.	INTEGER 1 = attenJitterOnRcvr 2 = attenJitterOnTxmtr 3 = notApplicable	
Transmitter Attenuation	uds1CfgXmitLineBuildOut 1.3.6.1.4.1.429.1.4.1.1.4.slot*1000 + channel mandatory read-write in uds1.mib	This object is used to configure the amount of attenuation that is to be applied to the transmit signal in order to control cross-talk etc.	INTEGER 1 = dB0 2 = dB7 3 = dB15 4 = dB22 5 = notApplicable	
Primary Switch Type Set	uds1CfgPriSwitchType 1.3.6.1.4.1.429.1.4.1.1.13.slot*1000 + channel mandatory read-write in uds1.mib	This sets the primary switch type for the T1-PRI ISDN NAC. The setting takes effect at NAC boot time.Default = priSw5ESS(2).	INTEGER 1 = priSw4ESS 2 = priSw5ESS 3 = priSwDMS100 4 = priSwICTR4 5 = priSwVn4 6 = priSwNI2 7 = priSwINS1500	

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	ds1LineType 1.3.6.1.3.2.1.1.5.slot*1000 + channel mandatory read-write in ds1.mib	Null	INTEGER 1 = other 2 = ds1ESF 3 = ds1D4 4 = ds1ANSI-ESF 5 = ds1G704 6 = ds1G704-CRC	
			8 = priSwDASS2 9 = priSwTSO14	
Active Primary Switch Type	uds1StatSwitchTypeActive 1.3.6.1.4.1.429.1.4.5.1.6.slot*1000 + channel mandatory read-only in uds1.mib	This object identifies the primary switch type that the T1-PRI ISDN NAC is currently connected to.	INTEGER 1 = priSw4ESS 2 = priSw5ESS 3 = priSwDMS100 4 = priSwICTR4 5 = priSwVn4 6 = priSwNI2 7 = priSwINS1500 8 = priSwDASS2 9 = priSwTSO14	
Idle Byte Pattern	uds1CfgIdleByte 1.3.6.1.4.1.429.1.4.1.1.14.slot*1000 + channel mandatory read-write in uds1.mib	This sets the idle byte pattern for the T1-PRI ISDN NAC. The setting takes effect at NAC boot time.Default = 0xFE.	INTEGER (0...255)	
Call Proceeding/Connect on SETUP Message	uds1CfgCallProceedingRsp 1.3.6.1.4.1.429.1.4.1.1.24.slot*1000 + channel mandatory read-write in uds1.mib	This object determines to send CALL_PROCEEDING and CONNECT response when a SETUP message is received from TELCO.Default = ON.	INTEGER 1 = off 2 = on	
ALERTING Response on SETUP Message	uds1CfgAlertingRsp 1.3.6.1.4.1.429.1.4.1.1.25.slot*1000 + channel mandatory read-write in uds1.mib	This object determines to send ALERTING response when a SETUP message is received from TELCO.Default = OFF.	INTEGER 1 = off 2 = on	
Overlap RX Mode	uds1CfgOverlapRxMode 1.3.6.1.4.1.429.1.4.1.1.28.slot*1000 + channel mandatory read-write in uds1.mib	This object allows dialed digits to arrive in separate messages. Default = disabled(2)	INTEGER 1 = enable 2 = disable	

Cause Codes

TCM Name	ASN.1 MIB	Description	Settings	Command
Analog Connection Blocked	uds1CfgAnlgBlockErrCode 1.3.6.1.4.1.429.1.4.1.1.15.slot*1000 + channel mandatory read-write in uds1.mib	This is the error code that will be returned to an ISDN switch when analog connections are being blocked.Default = 58.	INTEGER (0...127)	
Digital Connection Blocked	uds1CfgDgtlBlockErrCode 1.3.6.1.4.1.429.1.4.1.1.16.slot*1000 + channel mandatory read-write in uds1.mib	This is the error code that will be returned to an ISDN switch when digital connections are being blocked.Default = 58.	INTEGER (0...127)	
No Modems Available	uds1CfgNoMdmAvailErrCode 1.3.6.1.4.1.429.1.4.1.1.17.slot*1000 + channel mandatory read-write in uds1.mib	This is the error code that will be returned to an ISDN switch when there are no modems available to accept the requested connection.Default = 58.	INTEGER (0...127)	
No IGWS Available	uds1CfgNoIgwsAvailErrCode 1.3.6.1.4.1.429.1.4.1.1.18.slot*1000 + channel mandatory read-write in uds1.mib	This is the error code that will be returned to an ISDN switch when no IGWS connections are available.Default = 58.	INTEGER (0...127)	
Specific B Channel Blocked	uds1CfgChanBlockErrCode 1.3.6.1.4.1.429.1.4.1.1.19.slot*1000 + channel mandatory read-write in uds1.mib	This is the error code that will be returned to an ISDN switch when connections to a specific B channel are being blocked.Default = 58.	INTEGER (0...127)	

Span Line Blocking

TCM Name	ASN.1 MIB	Description	Settings	Command
PRI Span Block Call Type	uds1CfgBlockCallType 1.3.6.1.4.1.429.1.4.1.1.20.slot*1000 + channel mandatory read-write in uds1.mib	This object determines if a PRI span line will block calls of a specific type. This object does not apply to a NAC operating in Rob Bit T1 mode.Default = blockNone(2).	INTEGER 1 = notSupported 2 = blockNone 3 = blockAnalog 4 = blockDigital 5 = blockAll	

NFAS Support

TCM Name	ASN.1 MIB	Description	Settings	Command
NFAS ID	uds1CfgNfasId 1.3.6.1.4.1.429.1.4.1.1.21.slot*1000 + channel mandatory read-write in uds1.mib	This defines the NFAS ID associated with a PRI span line. This object does not apply to Rob Bit T1 operation.Default = 0.	INTEGER (0...127)	
NFAS D Channel Use	uds1CfgNfasDChannel 1.3.6.1.4.1.429.1.4.1.1.22.slot*1000 + channel mandatory read-write in uds1.mib	This determines how a PRI span line will use the DS0 normally assigned as a D channel when NFAS is being used. This object does not apply to Rob Bit T1 operation.Default = dchannel(2).	INTEGER 1 = notSupported 2 = dchannel 3 = extraBchannel	

DS0 Channel Mapping and Blocking

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0 Identification	ids0CfgDs0Id 1.3.6.1.4.1.429.1.16.1.1.3.slot*1000 + channel mandatory read-write in ids0.mib	An operator definable string useful for easy identification of a DS0 relative to the user application.	DisplayString SIZE(0...40)	
Block Call Type	ids0CfgBlockCallType 1.3.6.1.4.1.429.1.16.1.1.4.slot*1000 + channel mandatory read-write in ids0.mib	An oject that defines the type of calls to be blocked by the specified DS0. A value of blockAll(5) results in all calls to this DS0 being blocked.Default = blockNone(2).	INTEGER 1 = notSupported 2 = blockNone 3 = blockAnalog 4 = blockDigital 5 = blockAll	
DS0 Assigned Slot Number	ids0CfgDs0AssignedSlot 1.3.6.1.4.1.429.1.16.1.1.5.slot*1000 + channel mandatory read-write in ids0.mib	Defines which slot (1 thru 16) the specified DS0 is restricted to connect with. A value of 17 indicates that this DS0 is not restricted. If a value of 0 is returned it it indicatesthat this NAC does not support the definition of this object.Default = 17.	INTEGER (0...17)	
DS0 Assigned Channel Number	ids0CfgDs0AssignedChannel 1.3.6.1.4.1.429.1.16.1.1.6.slot*1000 + channel mandatory read-write in ids0.mib	Defines which channel of a modem the specified DS0 is restricted to connect with. A value of 33 indicates that this DS0 is not restricted. If a value of 0 is returned it it indicatesthat this NAC does not support the definition of this object.Default = 33.	INTEGER (0...33)	

DS0 Service Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Timeslot ICB Configuration	ids0CfgDs0SrvcState 1.3.6.1.4.1.429.1.16.1.1.7.slot*1000 + channel mandatory read-write in ids0.mib	Defines the service state of a specified DS0. This object does not apply to Rob Bit T1 operation.Default = inService(2).	INTEGER 1 = notSupported 2 = inService 3 = localOutOfService	
DS0 Mode	ids0CfgNailUpDs0 1.3.6.1.4.1.429.1.16.1.1.8.slot*1000 + channel mandatory read-write in ids0.mib	This will put a DS0 in either a normal or a Transparent mode.Normal Mode : This is a normal ds0.Transparent Mode : This provides clear ds0 channels to pass data between the T1-PRI NAC and modems.	INTEGER 1 = normal 2 = transparent	

Short Haul NIC

TCM Name	ASN.1 MIB	Description	Settings	Command
Short Haul NIC Distance Range	uds1CfgShrtHaulDist 1.3.6.1.4.1.429.1.4.1.1.23.slot*1000 + channel mandatory read-write in uds1.mib	Variuos distance ranges supported by Short Haul NIC Default=len0thru133Ft.	INTEGER 1 = notApplicable 2 = len0thru133Ft 3 = len133thru266Ft 4 = len266thru399Ft 5 = len399thru533Ft 6 = len533thru655Ft	

16 T1 CARD-LEVEL PARAMETERS

This chapter describes the T1 card-level parameters applicable to NACs operating with these software applications:

- ISDN PRI
- Dual T1
- Single T1

Actions/Commands

Software Commands

T1 Card Actions:

- DT1 No Command (NF)
- Save to NVRAM (NF)
- Restore from NVRAM (NF)
- Restore from Default (NF)
- Non-Disruptive Self Test (NF)
- Disruptive Self Test (NF)
- Software Reset (NF)
- Reset-> Hi Pri. Timing Src (NF)
- Force TDM Bus Mastership (F)
- Enter Span to Span Loopback (NF)
- Exit Span to Span Loopback (NF)
- Restore Default UI Password (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
dt1CmdMgtStationId	dt1CmdMgtStationId 1.3.6.1.4.1.429.1.3.4.1.1.2 mandatory read-write in dt1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with dt1CmdReqId and dt1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
dt1CmdReqId	dt1CmdReqId 1.3.6.1.4.1.429.1.3.4.1.1.3 mandatory read-only in dt1.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command or test on this Dual T1 Card. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	
dt1CmdFunction	dt1CmdFunction 1.3.6.1.4.1.429.1.3.4.1.1.4 mandatory read-write in dt1.mib	This object contains a value which describes the command which is being invoked.	INTEGER 1 = noCommand 2 = saveToNVRAM 3 = restoreFromNVRAM 4 = restoreFromDefault 5 = nonDisruptSelfTest 6 = disruptSelfTest 7 = softwareReset 8 = resetToHiPrioTimingSrc 9 = forceTdmBusMastership	

TCM Name	ASN.1 MIB	Description	Settings	Command
dt1CmdMgtStationId	dt1CmdMgtStationId 1.3.6.1.4.1.429.1.3.4.1.1.2 mandatory read-write in dt1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with dt1CmdReqId and dt1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			10 = enterSpanToSpanLoopback 11 = exitSpanToSpanLoopback 12 = restoreDefaultUIPassword	
dt1CmdForce	dt1CmdForce 1.3.6.1.4.1.429.1.3.4.1.1.5 mandatory read-write in dt1.mib	In some cases the Dual T1 Card may be in a state such that certain commands could adversely affect connections. In such cases a command request with this object not present or set to noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent issue of the command to cause the command to be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
dt1CmdParam	dt1CmdParam 1.3.6.1.4.1.429.1.3.4.1.1.6 mandatory read-write in dt1.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no aditional parameters required.	OCTET STRING SIZE(0...24)	
dt1CmdResult	dt1CmdResult 1.3.6.1.4.1.429.1.3.4.1.1.7 mandatory read-only in dt1.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
dt1CmdCode	dt1CmdCode 1.3.6.1.4.1.429.1.3.4.1.1.8 mandatory read-only in dt1.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. In the case of tests a bit mapped result of each of the sub-tests performed can be found in the status table.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 25 = testFailed 58 = userInterfaceActive 73 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
dt1CmdMgtStationId	dt1CmdMgtStationId 1.3.6.1.4.1.429.1.3.4.1.1.2 mandatory read-write in dt1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with dt1CmdReqId and dt1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			pendingSoftwareDownload	

Hardware Commands

T1 Card Actions:

- Hardware No Command (NF)
- Remove from Service (F)
- Restore to Service (NF)
- Hardware Reset (F)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write in chs.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uchasCmdResult	uchasCmdResult 1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only in chs.mib	This object contains the result of the most recently requested test or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for saving the results of one command when starting another as	INTEGER 1 = none 2 = success 3 = inProgress	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
		could be required if used by multiple managers concurrently.	4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId 76 = sdlTrigger 77 = downloadingSdlFile 78 = crcTestingSdlFile 79 = queryWorkSpaceSize	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
			80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

AutoResponse

AutoResponse Events

T1 Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Configure Module from NMC NVRAM
- Configure Module from NMC Factory Defaults
- Remove Module from Service
- Restore Module to Service
- Test Module
- Reset Module
- Busy-Out Module's Analog Phone Lines
- Restore Module's Analog Phone Lines
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Re-initialized	uchasArModuleReinit 1.3.6.1.4.1.429.1.1.9.9.1.3.slot optional read-write in chs.mib	This script is triggered when the following occur: chassis power transitions from off to on; a module is inserted in the chassis; software download has just been completed to a module; a module is restored to service; or a module is reset (hardware).	OCTET STRING SIZE(0...40)	
Module Removed	uchasArModuleRemoved 1.3.6.1.4.1.429.1.1.9.9.1.4.slot optional read-write in chs.mib	This script is triggered when a module is physically removed from the chassis.	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Non-operational	uchasArModuleNonoper 1.3.6.1.4.1.429.1.1.9.9.1.5.slot optional read-write in chs.mib	This script is triggered when the following occur: software download to a module has just been started; a module is removed from service; or a module has failed (i.e. all entities on that module have failed).	OCTET STRING SIZE(0...40)	
Module Watchdog Time-out	uchasArModuleWatchdog 1.3.6.1.4.1.429.1.1.9.9.1.6.slot optional read-write in chs.mib	This script is triggered when one or more module entities experience a watchdog time-out.	OCTET STRING SIZE(0...40)	

Faults

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Timing Source Change	dt1TrapEnaTxTmgSrcSwitch 1.3.6.1.4.1.429.1.3.5.1.2.slot*1000 + channel mandatory read-write in dt1.mib	An object which enables the SNMP proxy agent to generate a trap upon detection of the Dual T1 Card switching to an alternate transmit timing source.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Event	dt1TrapEnaCallEvent 1.3.6.1.4.1.429.1.3.5.1.3.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track calls entering and exiting the NAC.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Arrive	dt1TrapEnaCallArriveEvent 1.3.6.1.4.1.429.1.3.5.1.4.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track call arrivals the NAC. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Connect	dt1TrapEnaCallConnEvent 1.3.6.1.4.1.429.1.3.5.1.5.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track call connects.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Termination	dt1TrapEnaCallTermEvent 1.3.6.1.4.1.429.1.3.5.1.6.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track normal call terminations.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Failure	dt1TrapEnaCallFailEvent 1.3.6.1.4.1.429.1.3.5.1.7.slot*1000 + channel mandatory read-write in dt1.mib	This object enables the generation of an SNMP trap to track failed call terminations.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Performance

T1 Card Performance

TCM Name	ASN.1 MIB	Description	Settings	Command
Current Timing Source	dt1StatCurrentTmgSrc 1.3.6.1.4.1.429.1.3.3.1.1.2.slot*1000 + channel mandatory read-only in dt1.mib	Based on the availability of the various timing sources and the current settings of the priorities at which they are to be used the Dual T1 Card will select the current transmit timing source. This object will indicate the current timing source being used for transmit timing.	INTEGER 1 = spanLineA 2 = spanLineB 3 = internalClock 4 = tdmBusClock	

Programmed Settings

T1 Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	uchasEntityOperStatus 1.3.6.1.4.1.429.1.1.2.1.1.5.slot*1000 + channel mandatory read-only in chs.mib	Provides operational status of the entity for which this row corresponds.	INTEGER 1 = other 2 = outOfService 3 = testing 4 = operational 5 = failed 6 = loading 7 = inLoopBackTest	
Serial Number	dt1IdHardwareSerNum 1.3.6.1.4.1.429.1.3.1.1.1.2.slot*1000 + channel mandatory read-only in dt1.mib	The dual T1 card's hardware serial number as stored in EEPROM.	DisplayString SIZE(0...24)	
Hardware Revision	dt1IdHardwareRev 1.3.6.1.4.1.429.1.3.1.1.1.3.slot*1000 + channel mandatory read-only in dt1.mib	The hardware revision of the specified dual T1 card as stored in its EEPROM.	DisplayString SIZE(0...24)	
Software Version	dt1IdSoftwareRev 1.3.6.1.4.1.429.1.3.1.1.1.4.slot*1000 + channel mandatory read-only in dt1.mib	The revision of the software being executed in the specified dual T1 card.	DisplayString SIZE(0...24)	
DIP Switch Settings	uchasSlotSwitchSettings 1.3.6.1.4.1.429.1.1.1.1.1.11.slot mandatory read-only in chs.mib	This represents the DIP switch settings on the NAC. It is a bitmapped integer.	INTEGER	
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	

T1 Programmed Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Line A Timing Source	dt1CfgSpanATmgSrcPrio 1.3.6.1.4.1.429.1.3.2.1.1.2.slot*1000 + channel mandatory read-write in dt1.mib	Identifies the priority at which the clock recovered from span line A is to be used as this Dual T1 Card's transmit timing source.	INTEGER 1 = notAllowed 2 = high 3 = mediumHigh 4 = medium 5 = low	
Line B Timing Source	dt1CfgSpanBTmgSrcPrio 1.3.6.1.4.1.429.1.3.2.1.1.3.slot*1000 + channel mandatory read-write in dt1.mib	Identifies the priority at which the clock recovered from span line B is to be used as this Dual T1 Card's transmit timing source.	INTEGER 1 = notAllowed 2 = high 3 = mediumHigh 4 = medium 5 = low	
Internal Timing Source	dt1CfgInternTmgSrcPrio 1.3.6.1.4.1.429.1.3.2.1.1.4.slot*1000 + channel mandatory read-write in dt1.mib	Identifies the priority at which this Dual T1 Card's internal clock is to be used as the transmit timing source.	INTEGER 1 = notAllowed 2 = high 3 = mediumHigh 4 = medium 5 = low	
T1 Idle Disconnect Pattern	dt1CfgIdleDiscPatt 1.3.6.1.4.1.429.1.3.2.1.1.6.slot*1000 + channel mandatory read-write in dt1.mib	Idle disconnect pattern sent to the modems. Normal values: USA = 1 international = 84. Default = 1. Configure the modems identically. Consult the help screen user manual or US Robotics before changing.	INTEGER (0...255)	
Number of T1 NACs in the Chassis	dt1CfgNumT1TypeNacs 1.3.6.1.4.1.429.1.3.2.1.1.7.slot*1000 + channel mandatory read-write in dt1.mib	The number of T1 and/or T1/E1-PRI NACs in the chassis.Default=multiple(3).	INTEGER 1 = notSupported 2 = single 3 = multiple	
Call Event Filter	dt1CfgCallEventFilter 1.3.6.1.4.1.429.1.3.2.1.1.8.slot*1000 + channel mandatory read-write in dt1.mib	This objects provides a means to filter the types of call event traps generated. It specifies the class of calls to filter out.Default = filterOutSuccess(4).	INTEGER 1 = notSupported 2 = filterOutNone 3 = filterOutBoth 4 = filterOutSuccess 5 = filterOutFailure	
Wireless Mode	dt1CfgWirelessMode 1.3.6.1.4.1.429.1.3.2.1.1.10.slot*1000 + channel mandatory read-write in dt1.mib	This object will configure the wireless mode of operations of the T1 at power up. Default = normal(1).	INTEGER 1 = normal 2 = wireless	

T1 Tests

TCM Name	ASN.1 MIB	Description	Settings	Command
Management Bus UART Test	dt1StatSelfTest 1.3.6.1.4.1.429.1.3.3.1.1.3.slot*1000 + channel mandatory read-only in dt1.mib	This object contains the result of the last self test command requested from the command table. It includes both destructive and non destructive results. **Bit Mask:** 0x40	INTEGER 0 = Pass 1 = Fail	

17 T1 DS0-LEVEL PARAMETERS

This chapter describes the T1 DS0-level parameters applicable to NACs operating with these software applications:

- ISDN PRI
- Dual T1
- Single T1

Actions/Commands

Software Commands

T1 DS0 Actions:

- No Command (NF)
- Hard Busy Out (NF)
- Soft Busy Out (NF)
- Restore (NF)
- Disconnect (NF)
- Call Ignore (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
ds0CmdMgtStationId	ds0CmdMgtStationId 1.3.6.1.4.1.429.1.5.3.1.3 mandatory read-write in ds0.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ds0CmdReqId and ds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
ds0CmdReqId	ds0CmdReqId 1.3.6.1.4.1.429.1.5.3.1.4 mandatory read-only in ds0.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on this DS0 entity. If the request-id is unknown or undefined this object contains the zero value.	INTEGER	
ds0CmdFunction	ds0CmdFunction 1.3.6.1.4.1.429.1.5.3.1.5 mandatory read-write in ds0.mib	This object contains a value that identifies the command being requested.	INTEGER 1 = noCommand 2 = hardBusyOut 3 = softBusyOut 4 = restore 5 = disconnect 6 = callIgnore 7 = transparentTest	
ds0CmdForce	ds0CmdForce 1.3.6.1.4.1.429.1.5.3.1.6 mandatory read-write in ds0.mib	In some cases the DS0 entity may be in a state such that certain commands could adversely affect connections. In such cases a command request with ds0CmdForce not defined or set to noForce will result in a warning. If the operator elects to ignore such warnings ds0CmdForce can be set to force in a re-issued request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
ds0CmdParam	ds0CmdParam 1.3.6.1.4.1.429.1.5.3.1.7	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional	OCTET STRING SIZE(0...24)	

TCM Name	ASN.1 MIB	Description	Settings	Command
ds0CmdMgtStationId	ds0CmdMgtStationId 1.3.6.1.4.1.429.1.5.3.1.3 mandatory read-write in ds0.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with ds0CmdReqId and ds0CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
	mandatory read-write in ds0.mib	parameters required.		
ds0CmdResult	ds0CmdResult 1.3.6.1.4.1.429.1.5.3.1.8 mandatory read-only in ds0.mib	This object contains the result of the most recently requested command or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
ds0CmdCode	ds0CmdCode 1.3.6.1.4.1.429.1.5.3.1.9 mandatory read-only in ds0.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 73 = pendingSoftwareDownload	

Performance

DS0 Stats

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0 Timeslot Status	ds0StatDs0 1.3.6.1.4.1.429.1.5.2.1.3.slot*1000 + channel.subchannel mandatory read-only in ds0.mib	This object indicates the current status of the specified timeslot. The status values change dynamically with system operation.	INTEGER 1 = other 2 = idle 3 = dialingIn 4 = dialingOut 5 = connectedIn 6 = connectedOut 7 = softBusyOut 8 = hardBusyOut 9 = autoBusyOut 10 = mdmBusyOut 11 = ignoringCalls 12 = mdmCallIgnore 13 = test 14 = alarm 15 = transparent 16 = unavailable 17 = transparentTest 18 = unused 19 = busyOut 20 = fracUnused 21 = passThru	
Modem Connected to DS0	ds0StatModem 1.3.6.1.4.1.429.1.5.2.1.4.slot*1000 + channel.subchannel mandatory read-only in ds0.mib	This object identifies whether the modem connected to the specified timeslot is available or not. A modem is considered available if the Dual T1 Card identifies the modem's presence on the TDM bus.	INTEGER 1 = other 2 = unavailable 3 = available 4 = busyOut 5 = transparentTest 6 = unused 7 = transparent	
Call Attempt Time	ds0StatAttemptTime 1.3.6.1.4.1.429.1.5.2.1.5.slot*1000 + channel.subchannel mandatory read-only in ds0.mib	This Object is the cumulative counter for ds0 call attempt time.	Counter	

18 T1 SPAN-LEVEL PARAMETERS

This chapter describes the T1 card-level parameters applicable to NACs operating with these software applications:

- ISDN PRI
- Dual T1
- Single T1

Actions/Commands

Software Commands

T1 Span Line Actions:

- No Command (NF)
- Force Receiver Reframe (NF)
- Enter Loopback (NF)
- Exit Loopback (NF)
- Override Red Alarm LED (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
uds1CmdMgtStationId	uds1CmdMgtStationId 1.3.6.1.4.1.429.1.4.6.1.2 mandatory read-write in uds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uds1CmdReqId and uds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uds1CmdReqId	uds1CmdReqId 1.3.6.1.4.1.429.1.4.6.1.3 mandatory read-only in uds1.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on this DS1 interface. If the request-id is unknown or undefined this object contains the zero value.	INTEGER	
uds1CmdFunction	uds1CmdFunction 1.3.6.1.4.1.429.1.4.6.1.4 mandatory read-write in uds1.mib	This object identifies the command being requested.	INTEGER 1 = noCommand 2 = forceReceiverReframe 3 = enterLoopback 4 = exitLoopback 5 = inService 6 = localOutOfService 7 = blockAnalogCalls 8 = blockDigitalCalls 9 = blockAllCalls 10 = blockNoCalls 11 = redAlarmOverride 12 = takeDownDChannel 13 = bringUpDChannel	
uds1CmdForce	uds1CmdForce 1.3.6.1.4.1.429.1.4.6.1.5 mandatory read-write in uds1.mib	In some cases the DS1 interface may be in a state such that certain commands could adversely affect connections. In such cases a command request with uds1CmdForce not defined or set to noForce will result in a warning. If the operator elects to ignore such warnings uds1CmdForce can be set to force in a re-issued	INTEGER 1 = force 2 = noForce	

TCM Name	ASN.1 MIB	Description	Settings	Command
uds1CmdMgtStationId	uds1CmdMgtStationId 1.3.6.1.4.1.429.1.4.6.1.2 mandatory read-write in uds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uds1CmdReqId and uds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
		request and the command will be carried out regardless of its potentially hazzardous effects.		
uds1CmdParam	uds1CmdParam 1.3.6.1.4.1.429.1.4.6.1.6 mandatory read-write in uds1.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uds1CmdResult	uds1CmdResult 1.3.6.1.4.1.429.1.4.6.1.7 mandatory read-only in uds1.mib	This object contains the result of the most recently requested command or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uds1CmdCode	uds1CmdCode 1.3.6.1.4.1.429.1.4.6.1.8 mandatory read-only in uds1.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 73 = pendingSoftwareDownload	

Faults

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
Trap on Yellow Alarm	uds1TrapEnaYellowAlarm 1.3.6.1.4.1.429.1.4.7.1.2.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Red Alarm	uds1TrapEnaRedAlarm 1.3.6.1.4.1.429.1.4.7.1.3.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Loss of Signal	uds1TrapEnaLossOfSignal 1.3.6.1.4.1.429.1.4.7.1.4.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Alarm Ind Signal	uds1TrapEnaAlarmIndSignal 1.3.6.1.4.1.429.1.4.7.1.5.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Yellow Alarm Cleared	uds1TrapEnaYellowAlarmClr 1.3.6.1.4.1.429.1.4.7.1.6.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Red Alarm Cleared	uds1TrapEnaRedAlarmClr 1.3.6.1.4.1.429.1.4.7.1.7.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Loss of Signal Cleared	uds1TrapEnaLossOfSgnlClr 1.3.6.1.4.1.429.1.4.7.1.8.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Alarm Ind Signal Cleared	uds1TrapEnaAlrmIndSgnlClr 1.3.6.1.4.1.429.1.4.7.1.9.slot*1000 + channel	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) being cleared on the specified DS1.	INTEGER 1 = enableTrap	

TCM Name	ASN.1 MIB	Description	Settings	Command
Trap on Yellow Alarm	uds1TrapEnaYellowAlarm 1.3.6.1.4.1.429.1.4.7.1.2.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
	mandatory read-write in uds1.mib		2 = disableAll 3 = enableLog 4 = enableAll	

T1 Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Since Start of Error Measurement	ds1TimeElapsed 1.3.6.1.3.2.1.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (1...900)	
Number of Valid Sampling Intervals	ds1ValidIntervals 1.3.6.1.3.2.1.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (0...96)	
CSU Loopback State	ds1Loopback 1.3.6.1.3.2.1.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoLoop 2 = ds1LocalLoopbackLocalSide 3 = ds1LocalLoopbackRemoteSide 4 = ds1RemoteLoopbackLocalSide 5 = ds1RemoteLoopbackRemoteSide	
Sending Code Type	ds1SendCode 1.3.6.1.3.2.1.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1OtherTest 2 = ds1SendNoCode 3 = ds1SendSetCode 4 = ds1SendResetCode 5 = ds1SendQRSS	
Yellow Alarm State	ds1YellowAlarm 1.3.6.1.3.2.1.1.9.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoYellowAlarm 2 = ds1YellowAlarm	
Red Alarm State	ds1RedAlarm 1.3.6.1.3.2.1.1.10.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoRedAlarm 2 = ds1RedAlarm	
Vendor's Circuit ID	ds1CircuitIdentifier 1.3.6.1.3.2.1.1.11.slot*1000 + channel mandatory read-only in ds1.mib	Null	DisplayString SIZE(0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Since Start of Error Measurement	ds1TimeElapsed 1.3.6.1.3.2.1.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (1...900)	
Receiver Gain Applied	uds1StatReceiverGain 1.3.6.1.4.1.429.1.4.5.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object identifies the amount of gain applied to boost the receive signal level to an appropriate operating level.	INTEGER 1 = dB0 2 = dB7 3 = dB15 4 = dB22 5 = notApplicable	
Lost Framing Pattern	uds1StatOutOfFrame 1.3.6.1.4.1.429.1.4.5.1.3.slot*1000 + channel mandatory read-only in uds1.mib	This object indicates when the framing pattern for the specified T1 line has been lost and data connot be extracted properly. This condition is also known as red alarm.	INTEGER 1 = false 2 = true	
Loss of Signal Detected	uds1StatLossOfSignal 1.3.6.1.4.1.429.1.4.5.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object indicates when 175 consecutive 0's have been detected. The signal is considered recovered if the 1's density reaches 12.5% (ie. four ones in a 32 bit period).	INTEGER 1 = false 2 = true	
Lost Receive (Blue Alarm)	uds1StatReceivingAIS 1.3.6.1.4.1.429.1.4.5.1.5.slot*1000 + channel mandatory read-only in uds1.mib	This object identifies when the remote end of the specified T1 line has lost its receive signal and is transmitting a stream of all 1's to the local end. This AIS condition is also known as blue alarm.	INTEGER 1 = false 2 = true	

DS1 Interval Group (15 min. Intervals)

TCM Name	ASN.1 MIB	Description	Settings	Command
Interval BPVs	ds1IntervalBPVs 1.3.6.1.3.2.2.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Errored Seconds	ds1IntervalESs 1.3.6.1.3.2.2.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1IntervalSESs 1.3.6.1.3.2.2.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1IntervalSEFSs 1.3.6.1.3.2.2.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1IntervalUASs 1.3.6.1.3.2.2.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1IntervalCSSs 1.3.6.1.3.2.2.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1IntervalCVs 1.3.6.1.3.2.2.1.9.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Most Recent 15 min. Interval	uds1IntNumber 1.3.6.1.4.1.429.1.4.2.1.2.slot*1000 + channel mandatory read-only in uds1.mib	A number between 1 and 96 where 1 is the most recently completed 15 minute interval and 96 is the least recently completed 15 minute interval (assuming that all 96 intervals are valid).	INTEGER	
Interval Bursty Errored Seconds	uds1IntBurstyErrSeconds 1.3.6.1.4.1.429.1.4.2.1.3.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds over the specified interval in which there were more than 2 and less than 320 CRC errors.	Counter	
Incorrectly Received Framing Bits	uds1IntFrameBitErrors 1.3.6.1.4.1.429.1.4.2.1.4.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used for the T1 receiver to determine frame allignment. This object counts the number of incorrectly received framing bits in the specified 15 minute interval.	Counter	
Reframimg Counts	uds1IntDeltaFrameAlligns 1.3.6.1.4.1.429.1.4.2.1.5.slot*1000 + channel mandatory read-only	This object counts the number of times the specified T1 receiver has reframed on a new framing pattern (ie. due to an OOF	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Interval BPVs	ds1IntervalBPVs 1.3.6.1.3.2.2.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
	in uds1.mib	condition) in the specified 15 minute interval.		
Excess CRC Errors	uds1IntExcessCRCErrors 1.3.6.1.4.1.429.1.4.2.1.6.slot*1000 + channel mandatory read-only in uds1.mib	This object counts each time 32 of any 33 consecutive CRCs are in error for the specified T1 line in the specified 15 minute interval. This counter is only valid in ESF format.	Counter	

DS1 Current Group (15 min.)

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1CurrentESs 1.3.6.1.3.2.3.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1CurrentSESs 1.3.6.1.3.2.3.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1CurrentSEFSs 1.3.6.1.3.2.3.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1CurrentUASs 1.3.6.1.3.2.3.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Controlled Slip Seconds	ds1CurrentCSSs 1.3.6.1.3.2.3.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1CurrentBPVs 1.3.6.1.3.2.3.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1CurrentCVs 1.3.6.1.3.2.3.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Current Bursty Errored Seconds	uds1CurrBurstyErrSeconds 1.3.6.1.4.1.429.1.4.3.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds in the current 15 minute interval during which there was more than two and less than 320 CRC errors.	Counter	
Incorrectly Received Framing Bits	uds1CurrFrameBitErrors 1.3.6.1.4.1.429.1.4.3.1.3.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used for the receiver to determine frame allignment. This object is a count of the number of incorrectly received framing bits in the current 15 minute interval.	Counter	
Reframing Counts	uds1CurrDeltaFrameAlligns 1.3.6.1.4.1.429.1.4.3.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of times the specified T1 receiver has reframed on a new framing pattern (ie. due to an OOF condition) in the current 15 minute interval.	Counter	
Current Excess CRC	uds1CurrExcessCRCErrors 1.3.6.1.4.1.429.1.4.3.1.5.slot*1000 + channel	This object counts each time 32 of any 33 consecutive CRCs are in	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1CurrentESs 1.3.6.1.3.2.3.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Errors	mandatory read-only in uds1.mib	error for the specified T1 line in the current 15 minute interval. This counter is only valid in ESF format.		

DS1 Total Group (24 hrs.)

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1TotalESs 1.3.6.1.3.2.4.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1TotalSESs 1.3.6.1.3.2.4.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1TotalSEFSs 1.3.6.1.3.2.4.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1TotalUASs 1.3.6.1.3.2.4.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Controlled Slip Seconds	ds1TotalCSSs 1.3.6.1.3.2.4.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1TotalBPVs 1.3.6.1.3.2.4.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1TotalCVs 1.3.6.1.3.2.4.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Total Bursty Errored Seconds	uds1TotBurstyErrSeconds 1.3.6.1.4.1.429.1.4.4.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds over the last 24 hour period in which there were more than 2 and less than 320 CRC errors.	Counter	
Framing Errors	uds1TotFrameBitErrors 1.3.6.1.4.1.429.1.4.4.1.3.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used so the T1 receiver can determine frame allignment. This object counts the total number of incorrectly received framing bits in the last 24 hour period.	Counter	
Reframing Counts	uds1TotDeltaFrameAlligns 1.3.6.1.4.1.429.1.4.4.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of times the specified T1 receiver has reframed on a new framing pattern (ie. due to an OOF condition) in the last 24 hour period.	Counter	
Total Excess CRC Errors	uds1TotExcessCRCErrors 1.3.6.1.4.1.429.1.4.4.1.5.slot*1000 + channel	This object indicates the total number of times there have been 32	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1TotalESs 1.3.6.1.3.2.4.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
	mandatory read-only in uds1.mib	of any 33 consecutive CRCs in error on the specified T1 line in the last 24 hour period. This counter is only valid in ESF format.		

Bulk Access

TCM Name	ASN.1 MIB	Description	Settings	Command
DS1 Type Timeslot and State	ds0BulkAccessCfgTSS 1.3.6.1.4.1.429.1.5.4.1.2.slot*1000 + channel mandatory read-only in ds0.mib	This object contains the ds0CfgType ds0CfgTimeSlot and ds0CfgState parameters for all the DS0's on the DS1	OCTET STRING SIZE(0...255)	
DS0 and Modem State	ds0BulkAccessStatDs0Modem 1.3.6.1.4.1.429.1.5.4.1.3.slot*1000 + channel mandatory read-only in ds0.mib	This object contains the ds0StatDs0 and ds0StatModem parameters for all the DS0's on the DS1	OCTET STRING SIZE(0...255)	
AB bit Status	ds0BulkAccessABStat 1.3.6.1.4.1.429.1.5.4.1.4.slot*1000 + channel mandatory read-only in ds0.mib	This object contains the AB bit status	OCTET STRING SIZE(0...255)	

Programmed Settings

DS1 Trunk Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	ds1LineType 1.3.6.1.3.2.1.1.5.slot*1000 + channel mandatory read-write in ds1.mib	Null	INTEGER 1 = other 2 = ds1ESF 3 = ds1D4 4 = ds1ANSI-ESF 5 = ds1G704 6 = ds1G704-CRC	
Line Coding Options	uds1CfgZeroCoding 1.3.6.1.4.1.429.1.4.1.1.7.slot*1000 + channel mandatory read-write in uds1.mib	This object defines the type of zero coding used on the specified DS1. It provides some values that are not present in the experimental DS1 MIB.	INTEGER 1 = other 2 = zcs 3 = b8zs 4 = ami 5 = hdb3	
Response to Remote Loopback	uds1CfgRespToRemoteLoopbk 1.3.6.1.4.1.429.1.4.1.1.2.slot*1000 + channel mandatory read-write in uds1.mib	This object configures the specified CSU to either ignore or respond to remotely initiated loopback requests.	INTEGER 1 = ignore 2 = respond	
Seizure to Wink Delay	uds1CfgSeizureWinkDly 1.3.6.1.4.1.429.1.4.1.1.30.slot*1000 + channel mandatory read-write in uds1.mib	Allows an adjustable delay on sending out address information from the T1 NAC to the TELCO.	INTEGER (70...3000)	
Jitter Attenuation	uds1CfgJitterAttenuation 1.3.6.1.4.1.429.1.4.1.1.3.slot*1000 + channel mandatory read-write in uds1.mib	This object is used to select how the jitter attenuation circuit on the CSU is to be used. It can be used to attenuate jitter on the receiver or the transmitter.	INTEGER 1 = attenJitterOnRcvr 2 = attenJitterOnTxmtr 3 = notApplicable	
Transmitter Attenuation	uds1CfgXmitLineBuildOut 1.3.6.1.4.1.429.1.4.1.1.4.slot*1000 + channel mandatory read-write in uds1.mib	This object is used to configure the amount of attenuation that is to be applied to the transmit signal in order to control cross-talk etc.	INTEGER 1 = dB0 2 = dB7 3 = dB15 4 = dB22 5 = notApplicable	
Automatic Busy Out	uds1CfgAutoBusyEnable 1.3.6.1.4.1.429.1.4.1.1.5.slot*1000 + channel mandatory read-write in uds1.mib	This object is used to enable or disable the automatic busy out feature for all timeslots on the specified CSU. If enabled when a modem is considered idle and that modem is not sending the idle pattern to the T1 Card on the TDM bus the timeslot will be busied out.	INTEGER 1 = disabled 2 = enabled	

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	ds1LineType 1.3.6.1.3.2.1.1.5.slot*1000 + channel mandatory read-write in ds1.mib	Null	INTEGER 1 = other 2 = ds1ESF 3 = ds1D4 4 = ds1ANSI-ESF 5 = ds1G704 6 = ds1G704-CRC	
Dial-in Address	uds1CfgDialInAdr 1.3.6.1.4.1.429.1.4.1.1.6.slot*1000 + channel mandatory read-write in uds1.mib	This object identifies whether or not DNIS digits will be transferred as part of the call setup for the specified T1 line.	INTEGER 1 = noAddress 2 = dnis 3 = ani-dnis 4 = ani	
Dial-in/Dial-out Trunk Signal Start	uds1CfgDialInOutTrunkSt 1.3.6.1.4.1.429.1.4.1.1.8.slot*1000 + channel mandatory read-write in uds1.mib	This will set the Dial-in/Dial-out trunk start signal type. Default = wink(1).	INTEGER 1 = wink 2 = immediate 3 = dialTone	
Acknowledgment Wink	uds1CfgDialInAdrAckWinkEn 1.3.6.1.4.1.429.1.4.1.1.9.slot*1000 + channel mandatory read-write in uds1.mib	Allows to enable/disable an acknowledgement wink after the dial-in address information has been received.	INTEGER 1 = disabled 2 = enabled	
Delay Sending Address Info.	uds1CfgDialOutAdrDly 1.3.6.1.4.1.429.1.4.1.1.10.slot*1000 + channel mandatory read-write in uds1.mib	Allows an adjustable delay on sending out address information from the T1 NAC to the TELCO.	INTEGER (70...3000)	
Stuffed Byte Sent to TELCO	uds1CfgStuffByteValue 1.3.6.1.4.1.429.1.4.1.1.11.slot*1000 + channel mandatory read-write in uds1.mib	The stuffed byte to send to TELCO for inactive DS0 in Fractional T1.	INTEGER (0...255)	
Dial-in/Dial-out Trunk Type	uds1CfgDialInOutTrunkType 1.3.6.1.4.1.429.1.4.1.1.12.slot*1000 + channel mandatory read-write in uds1.mib	This will set the Dial-In/Dial-out trunk type. Default = eAndMTypeII(1).	INTEGER 1 = eAndMTypeII 2 = loopStart 3 = groundStart	
Idle Byte Pattern	uds1CfgIdleByte 1.3.6.1.4.1.429.1.4.1.1.14.slot*1000 + channel mandatory read-write in uds1.mib	This sets the idle byte pattern for the T1-PRI ISDN NAC. The setting takes effect at NAC boot time.Default = 0xFE.	INTEGER (0...255)	
E&M No Address Timer	uds1CfgEandMnoAddrTimer 1.3.6.1.4.1.429.1.4.1.1.29.slot*1000 + channel mandatory read-write in uds1.mib	This object is for E&M type II trunks with no DNIS address. If timer is >0 the ch T1 NAC will flush calls upon timer expiration if the modem has not signalled the NAC to go ahead and answer the call. 2 seconds per unit. Default = 0	INTEGER (0...125)	

DS0 Time Slots

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0-1	ds0CfgTimeSlot 1.3.6.1.4.1.429.1.5.1.1.5.slot*1000 + channel.1 mandatory read-write in ds0.mib	The TDM time slot number used by the particular DS0.	INTEGER (0...256)	

DS0 Configuration Types

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0-1	ds0CfgType 1.3.6.1.4.1.429.1.5.1.1.4.slot*1000 + channel.1 mandatory read-write in ds0.mib	Specifies the connection type for the particular DS0-Default=TDM(1).	INTEGER 1 = tdm 2 = spanLine1 3 = spanLine2	

DS0 Configuration States

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0-1	ds0CfgState 1.3.6.1.4.1.429.1.5.1.1.6.slot*1000 + channel.1 mandatory read-write in ds0.mib	Specifies the state of the particular DS0.	INTEGER 1 = normal 2 = busyOut 3 = transparent 4 = fracUnused	

Short Haul NIC

TCM Name	ASN.1 MIB	Description	Settings	Command
Short Haul NIC Distance Range	uds1CfgShrtHaulDist 1.3.6.1.4.1.429.1.4.1.1.23.slot*1000 + channel mandatory read-write in uds1.mib	Variuos distance ranges supported by Short Haul NIC Default=len0thru133Ft.	INTEGER 1 = notApplicable 2 = len0thru133Ft 3 = len133thru266Ft 4 = len266thru399Ft 5 = len399thru533Ft 6 = len533thru655Ft	

19 E1 R2 SPAN-LEVEL PARAMETERS

This chapter describes the E1 R2 Span Line parameters applicable to NACs operating with these software applications:

- HiPer DSP E1 R2
- HiPer DSP E1 R2 Span Line

20 X.25 GATEWAY CARD-LEVEL PARAMETERS

This chapter describes the X.25 Gateway card-level parameters applicable to NACs operating with these software applications:

- 24 Port X.25
- 486 X.25
- X.25 Gateway

Actions/Commands

Software Commands

X.25 Gateway Card Actions:

- No Command (NF)
- Save to NVRAM (NF)
- Restore from Defaults (NF)
- Non-Disruptive Test (NF)
- Disruptive Test (NF)
- Software Reset (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
x25gwCmdMgtStationId	x25gwCmdMgtStationId 1.3.6.1.4.1.429.1.11.2.1.1.2 mandatory read-write in x25g.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with x25gwCmdReqId and x25gwCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
x25gwCmdReqId	x25gwCmdReqId 1.3.6.1.4.1.429.1.11.2.1.1.3 mandatory read-only in x25g.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command or test on this X.25 Card. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	
x25gwCmdFunction	x25gwCmdFunction 1.3.6.1.4.1.429.1.11.2.1.1.4 mandatory read-write in x25g.mib	This object contains a value which describes the command which is being invoked.	INTEGER 1 = noCommand 2 = saveToNVRAM 4 = restoreFromDefault 5 = nonDisruptSelfTest 6 = disruptSelfTest 7 = softwareReset 8 = downloadCfgFile 9 = uploadCfgFile	

TCM Name	ASN.1 MIB	Description	Settings	Command
x25gwCmdForce	x25gwCmdForce 1.3.6.1.4.1.429.1.11.2.1.1.5 mandatory read-write in x25g.mib	In some cases the X.25 Card may be in a state such that certain commands could adversely affect connections. In such cases a command request with this object not present or set to noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent issue of the command to cause the command to be carried out regardless of its potentially hazzardous effects.	INTEGER	
x25gwCmdParam	x25gwCmdParam 1.3.6.1.4.1.429.1.11.2.1.1.6 mandatory read-write in x25g.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no aditional parameters required.	OCTET STRING	
x25gwCmdResult	x25gwCmdResult 1.3.6.1.4.1.429.1.11.2.1.1.7 mandatory read-only in x25g.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	

TCM Name	ASN.1 MIB	Description	Settings	Command
x25gwCmdCode	x25gwCmdCode 1.3.6.1.4.1.429.1.11.2.1.1.8 mandatory read-only in x25g.mib	The Value of this object is value of this object is noError(1) if the command was successful and indicates a further description of what went wrong if it was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 46 = fileTooBig 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 93 = bulkTransferInProcess	

Hardware Commands

X.25 Gateway Card Actions:

- Hardware No Command (NF)
- Remove from Service (NF)
- Restore to Service (NF)
- Hardware Reset (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write in chs.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdResult	uchasCmdResult 1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only in chs.mib	This object contains the result of the most recently requested test or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for saving the results of one command when starting another as could be required if used by multiple managers concurrently.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId 76 = sdlTrigger 77 = downloadingSdlFile 78 = crcTestingSdlFile 79 = queryWorkSpaceSize	

TCM Name	ASN.1 MIB	Description	Settings	Command
			80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

AutoResponse Events

X.25 Gateway Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Configure Module from NMC NVRAM
- Configure Module from NMC Factory Defaults
- Remove Module from Service
- Restore Module to Service
- Test Module
- Reset Module
- Busy-Out Module's Analog Phone Lines
- Restore Module's Analog Phone Lines
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Re-initialized	uchasArModuleReinit 1.3.6.1.4.1.429.1.1.9.9.1.3.slot optional read-write in chs.mib	This script is triggered when the following occur: chassis power transitions from off to on; a module is inserted in the chassis; software download has just been completed to a module; a module is restored to service; or a module is reset (hardware).	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Removed	uchasArModuleRemoved 1.3.6.1.4.1.429.1.1.9.9.1.4.slot optional read-write in chs.mib	This script is triggered when a module is physically removed from the chassis.	OCTET STRING SIZE(0...40)	
Module Non-operational	uchasArModuleNonoper 1.3.6.1.4.1.429.1.1.9.9.1.5.slot optional read-write in chs.mib	This script is triggered when the following occur: software download to a module has just been started; a module is removed from service; or a module has failed (i.e. all entities on that module have failed).	OCTET STRING SIZE(0...40)	
Module Watchdog Time-out	uchasArModuleWatchdog 1.3.6.1.4.1.429.1.1.9.9.1.6.slot optional read-write in chs.mib	This script is triggered when one or more module entities experience a watchdog time-out.	OCTET STRING SIZE(0...40)	

Faults

X.25 Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Enable Report of NAC Resets	x25gwTrapEnaUiReset 1.3.6.1.4.1.429.1.11.4.1.1.2.slot*1000 + channel mandatory read-write in x25g.mib	Enables reporting of NAC Reset by user interface command traps. Default=disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Packet Bus Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Active Session Trap	pbTrapEnaSessActive 1.3.6.1.4.1.429.1.12.3.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	An object which enables or disables the Active Session trap.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Congestion Trap	pbTrapEnaPktBusCongest 1.3.6.1.4.1.429.1.12.3.1.1.4.slot*1000 + channel mandatory read-write in pb.mib	An object to enable or disable the Packet Bus Congestion trap. The Packet Bus Congestion trap is generated when a valid packet bus session is in progress but either the Modem or the Gateway packet bus driver is experiencing congestion problem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Session Lost Trap	pbTrapEnaPktBusSessLost 1.3.6.1.4.1.429.1.12.3.1.1.5.slot*1000 + channel mandatory read-write in pb.mib	An object to enable or disable the trap that is generated when a valid Packet Bus session has been lost.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Session Inactive Trap	pbTrapEnaSessionInactive 1.3.6.1.4.1.429.1.12.3.1.1.6.slot*1000 + channel mandatory read-write in pb.mib	An object to enable or disable a trap which is generated when a request is made to change a packet bus session from the active to inactive state.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Session Error Trap	pbTrapEnaSessionError 1.3.6.1.4.1.429.1.12.3.1.1.7.slot*1000 + channel mandatory read-write in pb.mib	An object which enables or disables the packet bus session error trap.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

X.25 Gateway Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Serial Number	x25gwIdHardwareSerNum 1.3.6.1.4.1.429.1.11.1.1.1.2.slot*1000 + channel mandatory read-only in x25g.mib	The X.25 card's hardware serial number as stored in EEPROM.	DisplayString	
Hardware Revision	x25gwIdHardwareRev 1.3.6.1.4.1.429.1.11.1.1.1.3.slot*1000 + channel mandatory read-only in x25g.mib	The hardware revision of the specified X.25 card as stored in its EEPROM.	DisplayString	
Software Version	x25gwIdSoftwareRev 1.3.6.1.4.1.429.1.11.1.1.1.4.slot*1000 + channel mandatory read-only in x25g.mib	The revision of the software being executed in the specified X.25 card.	DisplayString	
CPU Type	x25gwIdCpuType 1.3.6.1.4.1.429.1.11.1.1.1.5.slot*1000 + channel mandatory read-only in x25g.mib	Defines the type of CPU present on the X.25 Gateway NAC.	INTEGER 1 = i80386 2 = i80486	
FLASH Installed	x25gwIdFlashInstalled 1.3.6.1.4.1.429.1.11.1.1.1.7.slot*1000 + channel mandatory read-only in x25g.mib	Specifies the amount of Flash Rom installed on the X.25 Gateway NAC in Kbytes.	INTEGER	
X.25 Database Status	x25gwIdOperCfgSts 1.3.6.1.4.1.429.1.11.1.1.1.8.slot*1000 + channel mandatory read-only in x25g.mib	Informs the operator as to whether the operational parameters are the NVRAM parameters or if the administrative parameters have been saved to NVRAM.	INTEGER 1 = operNvram 2 = adminChanged 3 = adminNvram	
User Interface Status	x25gwIdMgmtConnect 1.3.6.1.4.1.429.1.11.1.1.1.10.slot*1000 + channel mandatory read-only in x25g.mib	Indicates the current status of X.25 gateway user interface.	INTEGER 1 = inactive 2 = active	
DIP Switch Settings	uchasSlotSwitchSettings 1.3.6.1.4.1.429.1.1.1.1.1.11.slot mandatory read-only in chs.mib	This represents the DIP switch settings on the NAC. It is a bitmapped integer.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	

Management over X25

TCM Name	ASN.1 MIB	Description	Settings	Command
Routing Type	x25gwCfgRoutingType 1.3.6.1.4.1.429.1.11.3.1.1.4.slot*1000 + channel mandatory read-write in x25g.mib	Determines the means by which X.25 call will be routed to the NMC or modem. Default=None(1).	INTEGER 1 = none 2 = subAddr 3 = callUserData 4 = both 5 = managmentOnly	
Call User Data String	x25gwCfgCudRoutStr 1.3.6.1.4.1.429.1.11.3.1.1.5.slot*1000 + channel mandatory read-write in x25g.mib	Call user data string is used to compare to the incoming X.25 call request CUD. If they match then the call is routed to the NMC. Default=MGMTOVX25.	DisplayString SIZE(0...12)	
X.121 Subaddress	x25gwCfgX121SubAddr 1.3.6.1.4.1.429.1.11.3.1.1.6.slot*1000 + channel mandatory read-write in x25g.mib	X.121 Subaddress is used to compare to the incoming X.25 call request Subaddress. If they match then the call is routed to the NMC. Default=99.	INTEGER (0...99)	

Configuration Group

TCM Name	ASN.1 MIB	Description	Settings	Command
User Interface Port	x25gwCfgUiPort 1.3.6.1.4.1.429.1.11.3.1.1.2.slot*1000 + channel mandatory read-only in x25g.mib	Defines how the user interface port on the X.25 NIC will be used. When configured for PAD access the UI port will provide a means of accessing the X.25 network via a direct connected serial device.	INTEGER 1 = normal 2 = padAccess	
System Date	x25gwCfgSysDate 1.3.6.1.4.1.429.1.11.3.1.1.7.slot*1000 + channel mandatory read-write in x25g.mib	X.25 gateway system date. Default = 01-01-95.	DisplayString SIZE(5...8)	
System Time	x25gwCfgSysTime 1.3.6.1.4.1.429.1.11.3.1.1.8.slot*1000 + channel mandatory read-write in x25g.mib	X.25 gateway system time. Default = 00:00:00.	DisplayString SIZE(5...8)	
UI Configuration Access Method	x25gwCfgLocModemConn 1.3.6.1.4.1.429.1.11.3.1.1.3.slot*1000 + channel mandatory read-write in x25g.mib	Defines whether the gateway UI access will be via direct attachment or by Dial up Modem.	INTEGER 1 = direct 2 = dial	

X25 Tests

TCM Name	ASN.1 MIB	Description	Settings	Command
RAM Test	x25gwIdSelfTestResult 1.3.6.1.4.1.429.1.11.1.1.1.9.slot*1000 + channel mandatory read-only in x25g.mib	Displays the results of the most resent self test performed by the X.25 Gateway NAC. If all tests have passed a value of 0 is returned. **Bit Mask:** 0x1	INTEGER 0 = Pass 1 = Fail	

Packet Bus Sessions

TCM Name	ASN.1 MIB	Description	Settings	Command
Slot Session Assignment	pbSessionDestSlot 1.3.6.1.4.1.429.1.12.2.1.1.3.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies the slot of the entity in the chassis to which a packet bus session has been assigned.	INTEGER (1...64)	
Channel Sessions Assignment	pbSessionDestChan 1.3.6.1.4.1.429.1.12.2.1.1.4.slot*1000 + channel mandatory read-write in pb.mib	A number that identifies a particular entity in a slot.	INTEGER (1...255)	
Availability for Packet Bus Session	pbSessionRowState 1.3.6.1.4.1.429.1.12.2.1.1.6.slot*1000 + channel mandatory read-write in pb.mib	Set availability for this row of packet bus session. Default=free(1).	INTEGER 1 = free 2 = used	
Session Request Status	pbSessionReqStatus 1.3.6.1.4.1.429.1.12.2.1.1.8.slot*1000 + channel mandatory read-write in pb.mib	Used to assign or delete a session between the entities specified by the table indecies. A request connect is a issue of packet bus session link start and a request disconnect is a issue of packet bus session link terminate. Default=disconnected(1).	INTEGER 1 = disconnected 2 = connected	
Session Assignment between Entities	pbSessionDestSess 1.3.6.1.4.1.429.1.12.2.1.1.5.slot*1000 + channel mandatory read-only in pb.mib	A number that identifies the particular session from the other communicating Gateway.	INTEGER (0...16320)	
Session Status	pbSessionStatus 1.3.6.1.4.1.429.1.12.2.1.1.7.slot*1000 + channel mandatory read-only in pb.mib	Displays the current status of the packet bus session. A status of Unassigned coupled with a state of used indicates that a packet bus failure has occured.	INTEGER 1 = unassigned 2 = assigned 3 = connected	
Last Packet Communication Type	pbSessionLastRequest 1.3.6.1.4.1.429.1.12.2.1.1.9.slot*1000 + channel optional read-only in pb.mib	Indicates the type of communications contained in the last packet sent to the destination entity.	INTEGER 1 = unknown 2 = open 3 = close 4 = listen 5 = dial 6 = disconnect 7 = transmit 8 = receive 9 = setMode 10 = query 11 = flush 12 = kill	

TCM Name	ASN.1 MIB	Description	Settings	Command
			13 = reserve 14 = answer 15 = attach	
Session TX Packet Count	pbSessionPktSents 1.3.6.1.4.1.429.1.12.2.1.1.10.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been sent.	Counter	
Session RX Packet Count	pbSessionPktRcvds 1.3.6.1.4.1.429.1.12.2.1.1.11.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packets that have been received.	Counter	
Session Packet Size	pbSessionPktSize 1.3.6.1.4.1.429.1.12.2.1.1.12.slot*1000 + channel mandatory read-only in pb.mib	A number that indicates the packet size of the current or last established session.	INTEGER	
Session Packet Timeout Count	pbSessionBusTimeOuts 1.3.6.1.4.1.429.1.12.2.1.1.13.slot*1000 + channel mandatory read-only in pb.mib	A counter that indicates number of packet bus timeout that have occurred.	Counter	
Session Error Status	pbSessionErrorStatus 1.3.6.1.4.1.429.1.12.2.1.1.14.slot*1000 + channel mandatory read-only in pb.mib	Error return status from last packet command.	INTEGER 1 = noError 2 = invalidParm 3 = socketNotOpened 4 = noMoreSocket 5 = connectionExist 6 = connectionFailed 7 = noMoreConnObj 8 = noActiveConn 9 = ackWaitTimeout 10 = hwNakRcvd 11 = otherBusError 12 = linkStartRcvd 13 = outOfSeqFrame 14 = noMemory 15 = nullPointer 16 = invalidBlock 17 = notInitialized 18 = failedToRecv 19 = invalidMsgType 20 = exceedMaxSends	

TCM Name	ASN.1 MIB	Description	Settings	Command
			21 = connectionReset 22 = socketClosed 23 = uiReqPending 24 = heartbeatTimeout 25 = remoteBusy 26 = localBusy 27 = noResponse 28 = linkdownNoTx 29 = noDataToTx 30 = txPreAck 31 = txTardyAck 32 = txBusTimeOut 33 = rxBusTimeOut 34 = txTAL 35 = rxTAL 36 = txMasterTimeOut 37 = clkVanished 38 = clkReturned 39 = shutdown 40 = frameError 41 = xlDTimeOut 42 = recvLSinInfoTransferState 43 = recvlFrameWithWrongSeq 44 = rxMsgBufferOverflow 45 = linkDown 46 = listenFailed 47 = listenRcvFailed 48 = dtrDrop 49 = answerFailed 50 = openFailed 51 = closeFailed 52 = readFailed 53 = writeFailed 54 = autoParityFailed 55 = setmodeFailed 56 = badDataBase 57 = padStreamsError 58 = padError	

Actions/Commands

Software Commands

E1 R2 Span Line Actions:

- No Command (NF)
- Force Receiver Reframe (NF)
- In Service (NF)
- Local Out of Service (F)
- Disconnect (NF)
- Block Span (F)
- Unblock Span (F)

TCM Name	ASN.1 MIB	Description	Settings	Command
usrds1CmdMgtStationId	usrds1CmdMgtStationId 1.3.6.1.4.1.429.1.27.3.1.2 optional read-write in rds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with usrds1CmdReqId and usrds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
usrds1CmdReqId	usrds1CmdReqId 1.3.6.1.4.1.429.1.27.3.1.3 optional read-only in rds1.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on this DS1 interface. If the request-id is unknown or undefined this object contains the zero value.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
usrds1CmdFunction	usrds1CmdFunction 1.3.6.1.4.1.429.1.27.3.1.4 optional read-write in rds1.mib	This object identifies the command being requested.	INTEGER 1 = noCommand 2 = forceReceiverReframe 3 = inService 4 = localOutOfService 5 = disconnect 6 = enterDChaDisConnMaintMode 7 = exitDChaDisConnMaintMode 8 = enterBlueAlmMaintMode 9 = exitBlueAlmMaintMode 10 = blockSpan 11 = unblockSpan	
usrds1CmdForce	usrds1CmdForce 1.3.6.1.4.1.429.1.27.3.1.5 optional read-write in rds1.mib	In some cases the DS1 interface may be in a state such that certain commands could adversely affect connections. In such cases a command request with usrds1CmdForce not defined or set to noForce will result in a warning. If the operator elects to ignore such warnings usrds1CmdForce can be set to force in a re-issued request and the command will be carried out regardless of its potentially hazardous effects.	INTEGER 1 = force 2 = noForce	
usrds1CmdParam	usrds1CmdParam 1.3.6.1.4.1.429.1.27.3.1.6 optional read-write in rds1.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
usrds1CmdResult	usrds1CmdResult 1.3.6.1.4.1.429.1.27.3.1.7 optional read-only in rds1.mib	This object contains the result of the most recently requested command or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	

TCM Name	ASN.1 MIB	Description	Settings	Command
usrds1CmdCode	usrds1CmdCode 1.3.6.1.4.1.429.1.27.3.1.8 optional read-only in rds1.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 73 = pendingSoftwareDownload 113 = pendingSDL2	

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Red Alarm	usrds1EventRedAlarm 1.3.6.1.4.1.429.1.27.4.1.3.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Loss of Signal	usrds1EventLossOfSignal 1.3.6.1.4.1.429.1.27.4.1.4.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Alarm Ind Signal	usrds1EventAlarmIndSignal 1.3.6.1.4.1.429.1.27.4.1.5.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Continuous CRC	usrds1EventContCrcAlrm 1.3.6.1.4.1.429.1.27.4.1.10.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a continuous CRC condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Physical State Change	usrds1EventPhysStateChng 1.3.6.1.4.1.429.1.27.4.1.12.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the physical state of the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Yellow Alarm	usrds1EventYellowAlarm 1.3.6.1.4.1.429.1.27.4.1.2.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

TCM Name	ASN.1 MIB	Description	Settings	Command
On Red Alarm Cleared	usrds1EventRedAlarmClr 1.3.6.1.4.1.429.1.27.4.1.7.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Loss of Signal Cleared	usrds1EventLossOfSgnlClr 1.3.6.1.4.1.429.1.27.4.1.8.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On AIS Cleared	usrds1EventAlrmIndSgnlClr 1.3.6.1.4.1.429.1.27.4.1.9.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Continuous CRC Cleared	usrds1EventContCrcAlrmClr 1.3.6.1.4.1.429.1.27.4.1.11.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of the clearing of a continuous CRC condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Abnormal TELCO Response	usrds1EvntelcoAbnornalRsp 1.3.6.1.4.1.429.1.27.4.1.18.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap when - NCC signal TELCO to disconnect a call the TELCO failed to respond.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Yellow Alarm Cleared	usrds1EventYellowAlarmClr 1.3.6.1.4.1.429.1.27.4.1.6.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Loopback Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
On Loopback	usrds1EventloopBack 1.3.6.1.4.1.429.1.27.4.1.16.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap when - The span line has been looped up. Loop back has occurred on span line.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Loopback Cleared	usrds1EventloopBackCleard 1.3.6.1.4.1.429.1.27.4.1.17.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap when - The span line has been looped down. Loop back has cleared on span line.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Timeslot Service Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
On Timeslot In Service	usrds1EventDs0InSrvc 1.3.6.1.4.1.429.1.27.4.1.13.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a DS0 on this span line from Out of Service to In Service.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Timeslot Out Of Service	usrds1EventDs0OutOfSrvc 1.3.6.1.4.1.429.1.27.4.1.14.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a DS0 on this span line from In Service to Out of Service.Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Timeslot State Change	usrds1EventDs0ServStateMt 1.3.6.1.4.1.429.1.27.4.1.15.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap when - B - channel(s) specified change to Maintenance Service State.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Incoming Call Failure	usrds1EventDs0InConnFail 1.3.6.1.4.1.429.1.27.4.1.21.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a incoming call failure at the DS0 level. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Outgoing Call Failure	usrds1EventDs0OutConnFail 1.3.6.1.4.1.429.1.27.4.1.22.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a out going call failure at the DS0 level. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Arrive	usrds1EventCallArrive 1.3.6.1.4.1.429.1.27.4.1.23.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap to track call arrivals. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Call Terminate	usrds1EventCallTerm 1.3.6.1.4.1.429.1.27.4.1.24.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap to track normal call event. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

D-Channel Service Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
On D-Channel in Service	usrds1EventDchanInSrvc 1.3.6.1.4.1.429.1.27.4.1.19.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a D channel on this span line from Out of Service Maintenance or Standby to Inservice. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On D-Channel Out of Service	usrds1DchanOutOfSrvc 1.3.6.1.4.1.429.1.27.4.1.20.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a change in the service state of a D channel on this span line from In service to Out of Service Maintenance or Standby. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

NFAS

TCM Name	ASN.1 MIB	Description	Settings	Command
D-Channel Switch-Over Start	usrds1EventNfasDchSwStart 1.3.6.1.4.1.429.1.27.4.1.25.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a begining of D-channel switch-over process.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
D-Channel Switch-Over End	usrds1EventNfasDchSwEnd 1.3.6.1.4.1.429.1.27.4.1.26.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of the ending of D-channel switch-over process.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
D-Channel Switch-Over Fail	usrds1EventNfasDchSwfail 1.3.6.1.4.1.429.1.27.4.1.27.slot*1000 + channel optional read-write in rds1.mib	Enable the generation of an SNMP trap upon detection of a failure of the D-channel switch-over process.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

E1 R2 Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
Multi-Frame Alignment	hdr2TeMultiFrame 1.3.6.1.4.1.429.4.48.4.1.1.2.slot*1000 + channel mandatory read-write in hdr2.mib	Enable the generation of an SNMP trap upon detection of a Multi-Frame Alignment condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Multi-Frame Alignment Clear	hdr2TeMultiFrameClr 1.3.6.1.4.1.429.4.48.4.1.1.3.slot*1000 + channel mandatory read-write in hdr2.mib	Enable the generation of an SNMP trap upon detection of clearing a Multi-Frame Alignment condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Remote Multi-Frame Alignment	hdr2TeRemMultiFrame 1.3.6.1.4.1.429.4.48.4.1.1.4.slot*1000 + channel mandatory read-write in hdr2.mib	Enable the generation of an SNMP trap upon detection of a Remote Multi-Frame Alignment condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Remote Multi-Frame Alignment Clear	hdr2TeRemMultiFrameClr 1.3.6.1.4.1.429.4.48.4.1.1.5.slot*1000 + channel mandatory read-write in hdr2.mib	Enable the generation of an SNMP trap upon detection of clearing a Remote Multi-Frame Alignment condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Performance

Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Elapsed	dsx1TimeElapsed 1.3.6.1.2.1.10.18.6.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of seconds that have elapsed since the beginning of the current error-measurement period.	INTEGER (0...899)	
Number of Valid Sampling Intervals	dsx1ValidIntervals 1.3.6.1.2.1.10.18.6.1.4.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of previous intervals for which valid data was collected. The value will be 96 unless the interface was brought on-line within the last 24 hours in which case the value will be the number of complete 15 minute intervals the since interface has been online.	INTEGER (0...96)	
Receiver Gain Applied	usrds1StatReceiverGain 1.3.6.1.4.1.429.1.27.2.1.2.slot*1000 + channel optional read-only in rds1.mib	This object identifies the amount of gain applied to boost the receive signal level to an appropriate operating level.	INTEGER 1 = dB0pt0 2 = negdB2pt9 3 = negdB5pt8 4 = negdB7pt5 5 = negdB8pt7 6 = negdB11pt6 7 = negdB14pt5 8 = negdB15pt0 9 = negdB17pt4 10 = negdB20pt3 11 = negdB22pt5 12 = negdB23pt2 13 = negdB26pt1 14 = negdB29pt0 15 = negdB31pt9 16 = negdB34pt8 17 = negdB37pt7 18 = negdB40pt6 19 = negdB43pt5	

TCM Name	ASN.1 MIB	Description	Settings	Command
Active Primary Switch Type	usrds1StatSwitchTypeActve 1.3.6.1.4.1.429.1.27.2.1.3.slot*1000 + channel optional read-only in rds1.mib	This object identifies the primary switch type that the T1-PRI ISDN NAC is currently connected to.	INTEGER 1 = priSw4ESS 2 = priSw5ESS 3 = priSwDMS100 4 = priSwICTR4 5 = priSwVn4 6 = priSwNI2 7 = priSwINS1500 8 = priSwTS014	
D Channel Operational Status	usrds1StatDchanState 1.3.6.1.4.1.429.1.27.2.1.4.slot*1000 + channel optional read-only in rds1.mib	This object reflects the operational status of the D channel on the T1-PRI ISDN NAC.	INTEGER 1 = dChannelUp 2 = dChannelDown	
Continuous CRC Errors	usrds1StatE1ContCrc 1.3.6.1.4.1.429.1.27.2.1.5.slot*1000 + channel optional read-only in rds1.mib	This object indicates when continuous CRC errors are being received on the E1 DS1 span line on the T1-PRI ISDN NAC.	INTEGER 1 = false 2 = true	
Physical State	usrds1StatE1PhysicalState 1.3.6.1.4.1.429.1.27.2.1.6.slot*1000 + channel optional read-only in rds1.mib	This object reflects the physical state of the E1 DS1 span line on the T1-PRI ISDN NAC.	INTEGER 1 = psF1Operational 2 = psF2Fc1RaiTempCrcErrors 3 = psF3Fc2LossOfSignal 4 = psF4Fc3AlarmIndSignal 5 = psF5Fc4RaiContCrcErrors 6 = psF6PowerOn	

TCM Name	ASN.1 MIB	Description	Settings	Command
Line Status	dsx1LineStatus 1.3.6.1.2.1.10.18.6.1.10.slot*1000 + channel mandatory read-only in rfc1406.mib	This variable indicates the Line Status of the interface. It contains loopback failure re- ceived 'alarm' and transmitted 'alarm' infor- mation. The dsx1LineStatus is a bit map represented as a sum therefore it can represent multiple failures (alarms) and a LoopbackState simultaneously. dsx1NoAlarm should be set if and only if no other flag is set. If the dsx1LoopbackState bit is set the loopback in ef- fect can be determined from the dsx1LoopbackConfig object. The various bit positions are: 1 dsx1NoAlarm No Alarm Present 2 dsx1RcvFarEndLOF Far end LOF (a.k.a. Yellow Alarm) 4 dsx1XmtFarEndLOF Near end sending LOF Indication 8 dsx1RcvAIS Far end sending AIS 16 dsx1XmtAIS Near end sending AIS 32 dsx1LossOfFrame Near end LOF (a.k.a. Red Alarm) 64 dsx1LossOfSignal Near end Loss Of Signal 128 dsx1LoopbackState Near end is looped 256 dsx1T16AIS E1 TS16 AIS 512 dsx1RcvFarEndLOMF Far End Sending TS16 LOMF 1024 dsx1XmtFarEndLOMF Near End Sending TS16 LOMF 2048 dsx1RcvTestCode Near End detects a test code 4096 dsx1OtherFailure any line status not defined here	INTEGER (1...8191)	
Loopback Initialization	usrds1StatLoopBackInit 1.3.6.1.4.1.429.1.27.2.1.7.slot*1000 + channel optional read-only in rds1.mib	This object tells if the loopback was initiated by the network or by command	INTEGER 1 = none 2 = network 3 = command	
Timeslot Status Change	usrds1StatDs0SrvcChngLst 1.3.6.1.4.1.429.1.27.2.1.8.slot*1000 + channel optional read-only in rds1.mib	This object contains the current list of DS0s that have changed their state from In Service to Out of Service or Vice versa. The list is included in the corresponding SNMP trap.	DisplayString SIZE(0...96)	
Active Signal Mode	usrds1SignalModeActive 1.3.6.1.4.1.429.1.27.2.1.9.slot*1000 + channel optional read-only in rds1.mib	This object is the same as in 1406 but shows what the module booted up with. This is needed until the changes to the 1406 object can be done without rebooting the card to make active.	INTEGER 1 = none 2 = robbedBit 3 = bitOriented 4 = messageOriented	
No Idle Modem Available	usrinCallmodemNotAvail 1.3.6.1.4.1.429.1.27.2.1.10.slot*1000 + channel optional read-only in rds1.mib	Incremented every time an incoming call can not be completed due to no idle modem available.	INTEGER	
No Ring Off After Ring On	usrinCallLoopStrtNoRngOff 1.3.6.1.4.1.429.1.27.2.1.17.slot*1000 + channel optional read-only in rds1.mib	Loop start Pegged every time the no ring off after ring on. - CHT1 PRI only.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Setting up Call TELCO Disconnect	usroutCallTelcoDisconnct 1.3.6.1.4.1.429.1.27.2.1.18.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the TELCO disconnect a setting up call. - PRI only.	INTEGER	
E&M Wink Start Timeout	usroutCallEMWinkTimeOut 1.3.6.1.4.1.429.1.27.2.1.19.slot*1000 + channel optional read-only in rds1.mib	E&M Wink start Pegged every time the TELCO fails to wink (5 sec) - CHT1 only.	INTEGER	
E&M Wink Too Short (<260ms)	usroutCallEMWinkTooShort 1.3.6.1.4.1.429.1.27.2.1.20.slot*1000 + channel optional read-only in rds1.mib	E&M Wink start Pegged every time the wink too short (less than 260 ms) - CHT1 only.	INTEGER	
No Channel Available for Out Call	usroutCallNoChannelAvail 1.3.6.1.4.1.429.1.27.2.1.21.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NCC receives outgoing call request from TPS but there is no channel available for the outgoing call.	INTEGER	

Disconnect Reasons

TCM Name	ASN.1 MIB	Description	Settings	Command
E&M Dial In No TELCO Response	usrdiscNoTelcoRespDialIn 1.3.6.1.4.1.429.1.27.2.1.22.slot*1000 + channel optional read-only in rds1.mib	In E&M dialin state machine TELCO does not respond to NCT disconnect signal. Pegged every time when it happens. - CHT1 only.	INTEGER	
E&M Dial Out No TELCO Response	usrdiscNoTelcoRespDialOut 1.3.6.1.4.1.429.1.27.2.1.23.slot*1000 + channel optional read-only in rds1.mib	In E&M dialout state machine TELCO does not respond to NCT disconnect signal. Pegged every time when it happens. - CHT1 only.	INTEGER	
Ground Dial In & Out No TELCO Response	usrdiscNoTelcoRespGround 1.3.6.1.4.1.429.1.27.2.1.24.slot*1000 + channel optional read-only in rds1.mib	In ground start dial in and dial out state machine TELCO does not respond to NCT disconnect signal. Pegged every time when it happens. - CHT1 only.	INTEGER	

NPRI Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Invalid Bearer	usrinCallInvlidBearerCapa 1.3.6.1.4.1.429.1.27.2.1.11.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid bearer capability. - PRI only.	INTEGER	
Invalid Channel ID	usrinCallInvalidChannlID 1.3.6.1.4.1.429.1.27.2.1.12.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid channel ID. - PRI only.	INTEGER	
Invalid Progress Indicator	usrinCallInvlidProgrsInd 1.3.6.1.4.1.429.1.27.2.1.13.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid progress indicator. - PRI only.	INTEGER	
Invalid Calling Party	usrinCallInvlidCallngPrty 1.3.6.1.4.1.429.1.27.2.1.14.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid calling party number. - PRI only.	INTEGER	
Invalid Called Party	usrinCallInvlidCalledPrty 1.3.6.1.4.1.429.1.27.2.1.15.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI receives invalid called party number. - PRI only.	INTEGER	
Incoming Call Blocked	usrinCallCallBack 1.3.6.1.4.1.429.1.27.2.1.16.slot*1000 + channel optional read-only in rds1.mib	Incremented every time the NPRI blocks the incoming call. - PRI only.	INTEGER	

Bulk Access

TCM Name	ASN.1 MIB	Description	Settings	Command
All Timeslot Statistics	usrds0BlkAccessStatDs0Mdm 1.3.6.1.4.1.429.1.27.2.1.26.slot*1000 + channel optional read-only in rds1.mib	This object contains all of the ids0Stat table parameters for all the DS0's on the DS1.	OCTET STRING SIZE(0...255)	
AB Bit Status	usrds0BulkAccessABStat 1.3.6.1.4.1.429.1.27.2.1.25.slot*1000 + channel optional read-only in rds1.mib	This object contains the AB bit status. It contains a string of bytes which contain the ABCD signaling transmit and receive bits for each DS0 on the span line.	OCTET STRING SIZE(0...255)	

Near End Interval Group (15 min)

TCM Name	ASN.1 MIB	Description	Settings	Command
Recently Completed Intervals	dsx1IntervalNumber 1.3.6.1.2.1.10.18.8.1.2.slot*1000 + channel mandatory read-only in rfc1406.mib	A number between 1 and 96 where 1 is the most recently completed 15 minute interval and 96 is the least recently completed 15 minutes inter- val (assuming that all 96 intervals are valid).	INTEGER (1...96)	
Errored Seconds	dsx1IntervalESs 1.3.6.1.2.1.10.18.8.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Errored Seconds encountered by a DS1 interface in one of the previous 96 indi- vidual 15 minute intervals.	Gauge	
Severely Errored Seconds	dsx1IntervalSESs 1.3.6.1.2.1.10.18.8.1.4.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Seconds encoun- tered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Severely Errored Framing Seconds	dsx1IntervalSEFSs 1.3.6.1.2.1.10.18.8.1.5.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Framing Seconds encountered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Unavailable Seconds	dsx1IntervalUASs 1.3.6.1.2.1.10.18.8.1.6.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Unavailable Seconds encountered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Controlled Slip Seconds	dsx1IntervalCSSs 1.3.6.1.2.1.10.18.8.1.7.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Controlled Slip Seconds encoun- tered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Path Coding Violations	dsx1IntervalPCVs 1.3.6.1.2.1.10.18.8.1.8.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Path Coding Violations encoun- tered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Line Errored Seconds	dsx1IntervalLESs 1.3.6.1.2.1.10.18.8.1.9.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Errored Seconds encountered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Bursty Errored Seconds	dsx1IntervalBESs 1.3.6.1.2.1.10.18.8.1.10.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	

TCM Name	ASN.1 MIB	Description	Settings	Command
Degraded Minutes	dsx1IntervalDMs 1.3.6.1.2.1.10.18.8.1.11.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Degraded Minutes (DMs) encoun- tered by a DS1 interface in one of the previous 96 individual 15 minute intervals.	Gauge	
Line Code Violations	dsx1IntervalLCVs 1.3.6.1.2.1.10.18.8.1.12.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Code Violations (LCVs) en- countered by a DS1 interface in the current 15 minute interval.	Gauge	

Near End Current Group

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	dsx1CurrentESs 1.3.6.1.2.1.10.18.7.1.2.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Errored Seconds encountered by a DS1 interface in the current 15 minute inter- val.	Gauge	
Severely Errored Seconds	dsx1CurrentSESs 1.3.6.1.2.1.10.18.7.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Seconds encoun- tered by a DS1 interface in the current 15 minute interval.	Gauge	
Severely Errored Framing Seconds	dsx1CurrentSEFSs 1.3.6.1.2.1.10.18.7.1.4.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the current 15 minute interval.	Gauge	
Unavailable Seconds	dsx1CurrentUASs 1.3.6.1.2.1.10.18.7.1.5.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Unavailable Seconds encountered by a DS1 interface in the current 15 minute in- terval.	Gauge	
Controlled Slip Seconds	dsx1CurrentCSSs 1.3.6.1.2.1.10.18.7.1.6.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Controlled Slip Seconds encoun- tered by a DS1 interface in the current 15 minute interval.	Gauge	
Path Coding Violations	dsx1CurrentPCVs 1.3.6.1.2.1.10.18.7.1.7.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Path Coding Violations encoun- tered by a DS1 interface in the current 15 minute interval.	Gauge	
Line Errored Seconds	dsx1CurrentLESs 1.3.6.1.2.1.10.18.7.1.8.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Errored Seconds encountered by a DS1 interface in the current 15 minute in- terval.	Gauge	
Bursty Errored Seconds	dsx1CurrentBESs 1.3.6.1.2.1.10.18.7.1.9.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the current 15 minute interval.	Gauge	
Degraded Minutes	dsx1CurrentDMs 1.3.6.1.2.1.10.18.7.1.10.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Degraded Minutes (DMs) encoun- tered by a DS1 interface in the current 15 minute interval.	Gauge	

TCM Name	ASN.1 MIB	Description	Settings	Command
Line Code Violations	dsx1CurrentLCVs 1.3.6.1.2.1.10.18.7.1.11.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Code Violations (LCVs) en- countered by a DS1 interface in the current 15 minute interval.	Gauge	

Near End Total Group (24 hrs)

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	dsx1TotalESs 1.3.6.1.2.1.10.18.9.1.2.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval	Gauge	
Severely Errored Seconds	dsx1TotalSESs 1.3.6.1.2.1.10.18.9.1.3.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Seconds encoun- tered by a DS1 interface in the previous 24 hour interval.	Gauge	
Severely Errored Framing Seconds	dsx1TotalSEFSs 1.3.6.1.2.1.10.18.9.1.4.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Severely Errored Framing Seconds encountered by a DS1 interface in the previous 24 hour interval.	Gauge	
Unavailable Seconds	dsx1TotalUASs 1.3.6.1.2.1.10.18.9.1.5.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Unavailable Seconds encountered by a DS1 interface in the previous 24 hour in- terval.	Gauge	
Controlled Slip Seconds	dsx1TotalCSSs 1.3.6.1.2.1.10.18.9.1.6.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Controlled Slip Seconds encoun- tered by a DS1 interface in the previous 24 hour interval.	Gauge	
Path Coding Violations	dsx1TotalPCVs 1.3.6.1.2.1.10.18.9.1.7.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Path Coding Violations encoun- tered by a DS1 interface in the previous 24 hour interval.	Gauge	
Line Errored Seconds	dsx1TotalLESs 1.3.6.1.2.1.10.18.9.1.8.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Line Errored Seconds encountered by a DS1 interface in the previous 24 hour in- terval.	Gauge	
Bursty Errored Seconds	dsx1TotalBESs 1.3.6.1.2.1.10.18.9.1.9.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Bursty Errored Seconds (BESs) encountered by a DS1 interface in the previous 24 hour interval.	Gauge	
Degraded Minutes	dsx1TotalDMs 1.3.6.1.2.1.10.18.9.1.10.slot*1000 + channel mandatory read-only in rfc1406.mib	The number of Degraded Minutes (DMs) encoun- tered by a DS1 interface in the previous 24 hour interval.	Gauge	
Line Code Violations	dsx1TotalLCVs 1.3.6.1.2.1.10.18.9.1.11.slot*1000 + channel	The number of Line Code Violations (LCVs) en- countered by a DS1 interface in the current 15 minute interval.	Gauge	

TCM Name	ASN.1 MIB	Description	Settings	Command
	mandatory read-only in rfc1406.mib			

NFAS

TCM Name	ASN.1 MIB	Description	Settings	Command
NFAS Span State	usrds1StatNFASSpanState 1.3.6.1.4.1.429.1.27.2.1.27.slot*1000 + channel optional read-only in rds1.mib	This object displays the span's current state with regard to D-channel.	INTEGER 1 = none 2 = is 3 = stby 4 = oos 5 = mb 6 = moos 7 = wait	

Programmed Settings

Trunk Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	dsx1LineType 1.3.6.1.2.1.10.18.6.1.5.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable indicates the variety of DS1 Line implementing this circuit. The type of circuit affects the number of bits per second that the circuit can reasonably carry as well as the interpretation of the usage and error statistics. The values in sequence describe: TITLE: SPECIFICATION: dsx1ESF Extended SuperFrame DS1 dsx1D4 AT&T D4 format DS1 dsx1E1 CCITT Recommendation G.704 (Table 4a) dsx1E1-CRC CCITT Recommendation G.704 (Table 4b) dsxE1-MF G.704 (Table 4a) with TS16 multiframing enabled dsx1E1-CRC-MF G.704 (Table 4b) with TS16 multiframing enabled	INTEGER 1 = other 2 = dsx1ESF 3 = dsx1D4 4 = dsx1E1 5 = dsx1E1-CRC 6 = dsx1E1-MF 7 = dsx1E1-CRC-MF	
Line Coding Options	dsx1LineCoding 1.3.6.1.2.1.10.18.6.1.6.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable describes the variety of Zero Code Suppression used on the link which in turn affects a number of its characteristics. dsx1JBZS refers the Jammed Bit Zero Suppres- sion in which the AT&T specification of at least one pulse every 8 bit periods is literal- ly implemented by forcing a pulse in bit 8 of each channel. Thus only seven bits per chan- nel or 1.344 Mbps is available for data. dsx1B8ZS refers to the use of a specified pat- tern of normal bits and bipolar violations which are used to replace a sequence of eight zero bits. ANSI Clear Channels may use dsx1ZBTSI or Zero Byte Time Slot Interchange. E1 links with or without CRC use dsx1HDB3 or dsx1AMI. dsx1AMI refers to a mode wherein no zero code suppression is present and the line encoding does not solve the problem directly. In this application the higher layer must provide data which meets or exceeds the pulse density re- quirements such as inverting HDLC data.	INTEGER 1 = dsx1JBZS 2 = dsx1B8ZS 3 = dsx1HDB3 4 = dsx1ZBTSI 5 = dsx1AMI 6 = other	
Circuit Identifier	dsx1CircuitIdentifier 1.3.6.1.2.1.10.18.6.1.8.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable contains the transmission vendor's circuit identifier for the purpose of facilitating troubleshooting.	DisplayString SIZE(0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Loopback Configuration	dsx1LoopbackConfig 1.3.6.1.2.1.10.18.6.1.9.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable represents the loopback confi- guration of the DS1 interface. Agents support- ing read/write access should return badValue in response to a requested loopback state that the interface does not support. The values mean: dsx1NoLoop Not in the loopback state. A device that is not capable of performing a loopback on the interface shall always return this as it's value. dsx1PayloadLoop The received signal at this interface is looped through the device. Typically the received signal is looped back for re- transmission after it has passed through the device's framing function. dsx1LineLoop The received signal at this interface does not go through the device (minimum pene- tration) but is looped back out. dsx1OtherLoop Loopbacks that are not defined here.	INTEGER 1 = dsx1NoLoop 2 = dsx1PayloadLoop 3 = dsx1LineLoop 4 = dsx1OtherLoop	
Signal Mode	dsx1SignalMode 1.3.6.1.2.1.10.18.6.1.11.slot*1000 + channel mandatory read-write in rfc1406.mib	'none' indicates that no bits are reserved for signaling on this channel. 'robbedBit' indicates that T1 Robbed Bit Sig- naling is in use. 'bitOriented' indicates that E1 Channel Asso- ciated Signaling is in use. 'messageOriented' indicates that Common Chan- nel Signaling is in use either on channel 16 of an E1 link or channel 24 of a T1.	INTEGER 1 = none 2 = robbedBit 3 = bitOriented 4 = messageOriented	
Transmit Clock Source	dsx1TransmitClockSource 1.3.6.1.2.1.10.18.6.1.12.slot*1000 + channel mandatory read-write in rfc1406.mib	The source of Tranmit Clock. 'loopTiming' indicates that the recovered re- ceive clock is used as the transmit clock. 'localTiming' indicates that a local clock source is used. 'throughTiming' indicates that recovered re- ceive clock from another interface is used as the transmit clock.	INTEGER 1 = loopTiming 2 = localTiming 3 = throughTiming	
NIC Type	usrds1CfgNicCfgType 1.3.6.1.4.1.429.1.27.1.1.18.slot*1000 + channel optional read-write in rds1.mib	Type of T1/E1 interface configured - Short haul of long haul.	INTEGER 1 = notSupported 2 = longHaul 3 = shortHaul	
Response to Remote Loopback	usrds1CfgRspToRemoteLpbk 1.3.6.1.4.1.429.1.27.1.1.2.slot*1000 + channel optional read-write in rds1.mib	This object configures the specified CSU to either ignore or respond to remotely initiated loopback requests.	INTEGER 1 = ignore 2 = respond	
Jitter Attenuation	usrds1CfgJitterAttnution 1.3.6.1.4.1.429.1.27.1.1.3.slot*1000 + channel optional read-write in rds1.mib	This object is used to select how the jitter attenuation circuit on the CSU is to be used. It can be used to attenuate jitter on the receiver or the transmitter.	INTEGER 1 = attenJitterOnRcvr 2 = attenJitterOnTxmtr	

TCM Name	ASN.1 MIB	Description	Settings	Command
Transmit Line Build Out	usrds1CfgXmitLineBuildOut 1.3.6.1.4.1.429.1.27.1.1.4.slot*1000 + channel optional read-write in rds1.mib	This object is used to configure the amount of attenuation that is to be applied to the transmit signal in order to control cross-talk etc. Value shown in the enumeration are negative.	INTEGER 1 = dB0pt0 2 = negdB7pt5 3 = negdB15pt0 4 = negdB22pt5	
Dial In Address	usrds1CfgDialInAdr 1.3.6.1.4.1.429.1.27.1.1.5.slot*1000 + channel optional read-write in rds1.mib	This object identifies whether or not type of MF/DTMF will be transferred as part of the call setup for the specified T1 line.	INTEGER 1 = noAddress 2 = dnis 3 = ani-dnis 4 = ani	
Dial In/Out Trunk Start Signal Type	usrds1CfgDialInOutTrunkSt 1.3.6.1.4.1.429.1.27.1.1.6.slot*1000 + channel optional read-write in rds1.mib	This will set the Dial-in/Dial-out trunk start signal type. Default = wink(1).	INTEGER 1 = wink 2 = immediate 3 = dialTone	
Ack Wink On Dial In Address Info Received	usrds1CfgDialInAdrAckWink 1.3.6.1.4.1.429.1.27.1.1.7.slot*1000 + channel optional read-write in rds1.mib	Allows to enable/disable an acknowledgment wink after the dial-in address information has been received.	INTEGER 1 = disabled 2 = enabled	
Dial Out Address Delay	usrds1CfgDialOutAdrDly 1.3.6.1.4.1.429.1.27.1.1.8.slot*1000 + channel optional read-write in rds1.mib	Allows an adjustable delay on sending out address information from the T1 NAC to the TELCO.	INTEGER (70...3000)	
Dial In/Out Trunk Type	usrds1CfgDialIOTrunkType 1.3.6.1.4.1.429.1.27.1.1.9.slot*1000 + channel optional read-write in rds1.mib	This will set the Dial-In/Dial-out trunk type. Default = eAndMTypeII(1).	INTEGER 1 = eAndMTypeII 2 = loopStart 3 = groundStart	
Primary Switch Type	usrds1CfgPriSwitchType 1.3.6.1.4.1.429.1.27.1.1.10.slot*1000 + channel optional read-write in rds1.mib	This sets the primary switch type for the T1-PRI ISDN NAC. The setting takes effect at NAC boot time.Default = priSw5ESS(2).	INTEGER 1 = priSw4ESS 2 = priSw5ESS 3 = priSwDMS100 4 = priSwICTR4 5 = priSwVn4 6 = priSwNI2 7 = priSwINS1500 8 = priSwTS014	
Idle Byte Pattern	usrds1CfgIdleByte 1.3.6.1.4.1.429.1.27.1.1.11.slot*1000 + channel optional read-write in rds1.mib	This sets the idle byte pattern for the T1-PRI ISDN NAC. The setting takes effect at NAC boot time.Default = 0xFE.	INTEGER (0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Receiver Gain	usrds1CfgRcvGain 1.3.6.1.4.1.429.1.27.1.1.23.slot*1000 + channel optional read-write in rds1.mib	This object is used to configure the amount of Receiver Gain that is applied to the received signal at the CSU. T1 Long Haul: 26 dB and 36 dB are allowed. T1 Short Haul: 12 dB is allowed. E1 Long Haul: 43 dB is allowed. E1 Short Haul: 12 dB is allowed.	INTEGER 1 = notSupported 2 = dB12 3 = dB26 4 = dB36 5 = dB43	
Tone Type	usrds1CfgToneType 1.3.6.1.4.1.429.1.27.1.1.19.slot*1000 + channel optional read-write in rds1.mib	DS1 Tone type (MF/DTMF) - CHT1 only (R2-MFC/MFR1) - R2 only .	INTEGER 1 = notSupported 2 = mf 3 = dtmf 4 = r2mfc 5 = mfr1	
Number of DTMF Tones	usrds1CfgNumDtmfTones 1.3.6.1.4.1.429.1.27.1.1.20.slot*1000 + channel optional read-write in rds1.mib	DS1 Num. of DTMF tones - CHT1 only.	INTEGER (0...127)	
Send Code	dsx1SendCode 1.3.6.1.2.1.10.18.6.1.7.slot*1000 + channel mandatory read-write in rfc1406.mib	This variable indicates what type of code is being sent across the DS1 interface by the dev- ice. The values mean: dsx1SendNoCode sending looped or normal data dsx1SendLineCode sending a request for a line loopback dsx1SendPayloadCode sending a request for a payload loopback dsx1SendResetCode sending a loopback termination request dsx1SendQRS sending a Quasi-Random Signal (QRS) test pattern dsx1Send511Pattern sending a 511 bit fixed test pattern dsx1Send3in24Pattern sending a fixed test pattern of 3 bits set in 24 dsx1SendOtherTestPattern sending a test pattern other than those described by this object	INTEGER 1 = dsx1SendNoCode 2 = dsx1SendLineCode 3 = dsx1SendPayloadCode 4 = dsx1SendResetCode 5 = dsx1SendQRS 6 = dsx1Send511Pattern 7 = dsx1Send3in24Pattern 8 = dsx1SendOtherTestPattern	

Cause Codes

TCM Name	ASN.1 MIB	Description	Settings	Command
Analog Connection Blocked	usrds1CfgAnlgBlockErrCode 1.3.6.1.4.1.429.1.27.1.1.12.slot*1000 + channel optional read-write in rds1.mib	This is the error code that will be returned to an ISDN switch when analog connections are being blocked.Default = 58.	INTEGER (0...127)	
Digital Connection Blocked	usrds1CfgDgtlBlockErrCode 1.3.6.1.4.1.429.1.27.1.1.13.slot*1000 + channel optional read-write in rds1.mib	This is the error code that will be returned to an ISDN switch when digital connections are being blocked.Default = 58.	INTEGER (0...127)	
No IGWS Available	usrds1CfgNoIgwAvailErCode 1.3.6.1.4.1.429.1.27.1.1.14.slot*1000 + channel optional read-write in rds1.mib	This is the error code that will be returned to an ISDN switch when there are no modems available to accept the requested connection.Default = 58.	INTEGER (0...127)	
Specific B-Channel Blocked	usrds1CfgChanBlockErrCode 1.3.6.1.4.1.429.1.27.1.1.15.slot*1000 + channel optional read-write in rds1.mib	This is the error code that will be returned to an ISDN switch when connections to a specific B channel are being blocked.Default = 58.	INTEGER (0...127)	

Span Line Blocking

TCM Name	ASN.1 MIB	Description	Settings	Command
Block Call Type	usrds1CfgBlockCallType 1.3.6.1.4.1.429.1.27.1.1.16.slot*1000 + channel optional read-write in rds1.mib	This object determines if a PRI span line will block calls of a specific type. This object does not apply to a NAC operating in Rob Bit T1 mode.Default = blockNone(2).	INTEGER 1 = notSupported 2 = blockNone 3 = blockAnalog 4 = blockDigital 5 = blockAll	

Short Haul NIC

TCM Name	ASN.1 MIB	Description	Settings	Command
Short Haul NIC Distance Range	usrds1CfgShrtHaulDist 1.3.6.1.4.1.429.1.27.1.1.17.slot*1000 + channel optional read-write in rds1.mib	Various distance ranges supported by Short Haul NIC Default=len0thru133Ft.	INTEGER 1 = notSupported 2 = len0thru133Ft 3 = len133thru266Ft 4 = len266thru399Ft 5 = len399thru533Ft 6 = len533thru655Ft	

Dial Out Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Timeslot Selection Direction	usrds1CfgDialOutSlctDirct 1.3.6.1.4.1.429.1.27.1.1.21.slot*1000 + channel optional read-write in rds1.mib	This object defines whether DS0 are chosen hunting up or down from the currently defined staring DS0. Default=down.	INTEGER 1 = notSupported 2 = down 3 = up	
Timeslot Selection Starting Point	usrds1CfgDialOutNextDS0 1.3.6.1.4.1.429.1.27.1.1.22.slot*1000 + channel optional read-write in rds1.mib	This object defines the starting DS0s to do dial-out hunting from.	INTEGER (0...33)	
Channelized T1 Profile	usrds1CfgCht1Profile 1.3.6.1.4.1.429.1.27.1.1.24.slot*1000 + channel optional read-write in rds1.mib	The following object is used to configure profile for channelized T1. Following are the profile setting for each available option. Each option is ordered by uds1Cht1Profile	INTEGER 1 = other 2 = eAndMTypeIIFGB 3 = eAndMTypeIIFGD 4 = eAndMTypeIIGeneric 5 = loopStart 6 = groundStart	

Timeslot Mapping and Blocking

TCM Name	ASN.1 MIB	Description	Settings	Command
Timeslot Identification	usrds0CfgDs0Id 1.3.6.1.4.1.429.1.28.1.1.3.slot*1000 + channel optional read-write in rds0.mib	An operator definable string useful for easy identification of a DS0 relative to the user application.	DisplayString SIZE(0...40)	
Block Call Type	usrds0CfgBlockCallType 1.3.6.1.4.1.429.1.28.1.1.4.slot*1000 + channel optional read-write in rds0.mib	An Object that defines the type of calls to be blocked by the specified DS0. A value of blockAll(5) results in all calls to this DS0 being blocked. A value > number of modems is not supported.Default = blockNone(2).	INTEGER 1 = notSupported 2 = blockNone 3 = blockAnalog 4 = blockDigital 5 = blockAll	
Channel Assigned to Timeslot	usrds0CfgDs0AssignedChnl 1.3.6.1.4.1.429.1.28.1.1.5.slot*1000 + channel optional read-write in rds0.mib	Defines which channel of a modem the specified DS0 is restricted to connect with. A value of 33 indicates that this DS0 is not restricted. If a value of 0 is returnedit indicates that this NAC does not support the definition of this object.	INTEGER (0...255)	

Timeslot Service Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Timeslot Service Configuration	usrds0CfgDs0SrvcState 1.3.6.1.4.1.429.1.28.1.1.6.slot*1000 + channel optional read-write in rds0.mib	Defines the service state of a specified DS0. Default = inService(2).	INTEGER 1 = notSupported 2 = inService 3 = localOutOfService 4 = fractionalUnused	

NFAS Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
NFAS Interface ID	usrds1CfgNFASInterfaceId 1.3.6.1.4.1.429.1.27.1.1.28.slot*1000 + channel optional read-write in rds1.mib	This object indicates external (assigned by Telco) interface id. It is one of the entries in the NFAS group table.	INTEGER	
Logical Group Number	usrds1CfgSigGroupNumber 1.3.6.1.4.1.429.1.27.1.1.29.slot*1000 + channel optional read-write in rds1.mib	Indicates NFAS (or SS7) logical group number to be monitored (configured). This variable serves as an index for entering NFAS group table.	INTEGER	
NFAS Span D-Channel Type	usrds1CfgNFASSpanType 1.3.6.1.4.1.429.1.27.1.1.30.slot*1000 + channel optional read-write in rds1.mib	Span type with regard to the D-Channel: Primary Back-up None or FAS (the latter in case if NFAS is not configured). It is one of the entries in the NFAS group table.	INTEGER 1 = dChannelNone 2 = dChannelPrimary 3 = dChannelBackUp	
Logical Group Type	usrds1CfgSigGroupType 1.3.6.1.4.1.429.1.27.1.1.31.slot*1000 + channel optional read-write in rds1.mib	This variable indicates one of the three possible application types: FAS NFAS or FAS. FAS stands for facility associated signaling.	INTEGER 1 = fas 2 = nfas 3 = ss7	

E1 R2 Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Register Signaling Type	hdr2CfgRegSigType 1.3.6.1.4.1.429.4.48.1.1.1.2.slot*1000 + channel mandatory read-write in hdr2.mib	This object Defines the type of Register Signaling used for Bit Oriented Signaling.	INTEGER 1 = r2MFC 2 = r2MFSC	
A Party Identification	hdr2CfgAnumIden 1.3.6.1.4.1.429.4.48.1.1.1.3.slot*1000 + channel mandatory read-write in hdr2.mib	This parameter enables or disables the collection of calling party (A party or ANI) phone numbers when used with R2MFC signaling type.	INTEGER 1 = disable 2 = enable	
Forced Release Line Signal	hdr2CfgForcedRel 1.3.6.1.4.1.429.4.48.1.1.1.4.slot*1000 + channel mandatory read-write in hdr2.mib	In E1/ R2 Forced Release Line signal will be sent only in case of this parameter is enabled. This signal is optional.	INTEGER 1 = disable 2 = enable	
B Digit Reception Interval	hdr2CfgLastBDigTout 1.3.6.1.4.1.429.4.48.1.1.1.5.slot*1000 + channel mandatory read-write in hdr2.mib	This parameter decides after how many milliseconds of silence during the B digit reception the B party number is assumed as completed.	INTEGER (100...10000)	
Address Complete	hdr2CfgAddrComplete 1.3.6.1.4.1.429.4.48.1.1.1.6.slot*1000 + channel mandatory read-write in hdr2.mib	On reception of this signal it is assumed that the required number of B party digits are received. It can hold the values ranging from A1 to A15. It depends on country specification.	INTEGER 1 = a3 2 = a5 3 = a6	
End B Party (I15)	hdr2CfgEndBparty 1.3.6.1.4.1.429.4.48.1.1.1.7.slot*1000 + channel mandatory read-write in hdr2.mib	This indicates whether I15 is will be received as an indication for End of B party number or not. If enabled at the end of B party number this I15 signal is received informing that B party number is completed.	INTEGER 1 = disable 2 = enable	
PCM Companding	hdr2CfgAlawMulaw 1.3.6.1.4.1.429.4.48.1.1.1.8.slot*1000 + channel mandatory read-write in hdr2.mib	This object is configuration to apply A Law(E1) or MuLaw(T1) Companding.	INTEGER 1 = aLAW 2 = mULAW 3 = auto	
Line Signal Type	hdr2CfgLineSigType 1.3.6.1.4.1.429.4.48.1.1.1.9.slot*1000 + channel mandatory read-write in hdr2.mib	This object defines the type of Line Signaling for Bit Oriented Signaling.	INTEGER 1 = r2DIG 2 = p7DIG 3 = r2EandM	

TCM Name	ASN.1 MIB	Description	Settings	Command
Project Selection	hdr2CfgProjID 1.3.6.1.4.1.429.4.48.1.1.1.10.slot*1000 + channel mandatory read-write in hdr2.mib	Depending on this parameter country dependent or project dependent parameters are updated. Each and every parameter has a set of variables to be initialized.	INTEGER 1 = iTU-T 2 = argentina 3 = australia 4 = brazil 5 = chile 6 = china 7 = colombia 8 = india 9 = korea 10 = malaysia 11 = mexico 12 = newZealand 13 = philippines 14 = sweden 15 = venezuela	
Seize Acknowledge Signal	hdr2CfgSeizeAck 1.3.6.1.4.1.429.4.48.1.1.1.11.slot*1000 + channel mandatory read-write in hdr2.mib	It defines whether seize acknowledge signal is used or not for Bit Oriented Signaling.	INTEGER 1 = disable 2 = enable	
B Party Digits before A Party Request	hdr2CfgAnumBnum 1.3.6.1.4.1.429.4.48.1.1.1.12.slot*1000 + channel mandatory read-write in hdr2.mib	During Bit oriented Register Signaling after number of B party (called party or DNIS) digits have been received the A party (calling or ANI) digits are requested provided A party (ANI) request is enabled. Otherwise this parameter is ignored.	INTEGER (1...36)	
Subscriber Busy	hdr2CfgSubBusy 1.3.6.1.4.1.429.4.48.1.1.1.13.slot*1000 + channel mandatory read-write in hdr2.mib	This object is used in case of subscirber busy.	INTEGER 1 = b2 2 = b3	
Register Calling Party Category	hdr2CfgSndCallingPtyCatgy 1.3.6.1.4.1.429.4.48.1.1.1.14.slot*1000 + channel mandatory read-write in hdr2.mib	This register Signal requests the calling (A PARTY's) category.	INTEGER 1 = a5 2 = a6	
Span Line Direction	hdr2CfgLineDirection 1.3.6.1.4.1.429.4.48.1.1.1.15.slot*1000 + channel mandatory read-write in hdr2.mib	This object sets the direction of the channels on the span line.	INTEGER 1 = incoming 2 = outgoing 3 = both	
Persistent Override	hdr2CfgPersistentOverride 1.3.6.1.4.1.429.4.48.1.1.1.16.slot*1000 + channel mandatory read-write in hdr2.mib	This object allows the recieved line signal persistence (debounce time).	INTEGER (0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Wrong Number	hdr2CfgWrongNumber 1.3.6.1.4.1.429.4.48.1.1.1.17.slot*1000 + channel mandatory read-write in hdr2.mib	This object is the backward register signal used to indicate that an invalid number has been dialed.	INTEGER 1 = b5 2 = b7	
Incoming CPC	hdr2CfgIncomingCpc 1.3.6.1.4.1.429.4.48.1.1.1.18.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines the default calling party category to be assumed when none is supplied for an incoming call.	INTEGER 1 = analog 2 = digital 3 = maintanace 4 = test	
Outgoing Call Category Map - Analog	hdr2CfgOutCatAnalog 1.3.6.1.4.1.429.4.48.1.1.1.43.slot*1000 + channel mandatory read-write in hdr2.mib	This object forward signals used to indicate the call category for outgoing calls.	INTEGER 1 = ii-1 2 = ii-2 3 = ii-3 4 = ii-4 5 = ii-5 6 = ii-6 7 = ii-7 8 = ii-8 9 = ii-9 10 = ii-10 11 = ii-11 12 = ii-12 13 = ii-13 14 = ii-14 15 = ii-15	

TCM Name	ASN.1 MIB	Description	Settings	Command
Outgoing Call Category Map - Digital	hdr2CfgOutCatDigital 1.3.6.1.4.1.429.4.48.1.1.1.44.slot*1000 + channel mandatory read-write in hdr2.mib	Null	INTEGER 1 = ii-1 2 = ii-2 3 = ii-3 4 = ii-4 5 = ii-5 6 = ii-6 7 = ii-7 8 = ii-8 9 = ii-9 10 = ii-10 11 = ii-11 12 = ii-12 13 = ii-13 14 = ii-14 15 = ii-15	
Outgoing Call Category Map - Test	hdr2CfgOutCatTest 1.3.6.1.4.1.429.4.48.1.1.1.45.slot*1000 + channel mandatory read-write in hdr2.mib	Null	INTEGER 1 = ii-1 2 = ii-2 3 = ii-3 4 = ii-4 5 = ii-5 6 = ii-6 7 = ii-7 8 = ii-8 9 = ii-9 10 = ii-10 11 = ii-11 12 = ii-12 13 = ii-13 14 = ii-14 15 = ii-15	

TCM Name	ASN.1 MIB	Description	Settings	Command
Outgoing Call Category Map - Maintenance	hdr2CfgOutCatMaintenance 1.3.6.1.4.1.429.4.48.1.1.1.46.slot*1000 + channel mandatory read-write in hdr2.mib	Null	INTEGER 1 = ii-1 2 = ii-2 3 = ii-3 4 = ii-4 5 = ii-5 6 = ii-6 7 = ii-7 8 = ii-8 9 = ii-9 10 = ii-10 11 = ii-11 12 = ii-12 13 = ii-13 14 = ii-14 15 = ii-15	
Register Signaling Status	hdr2CfgRegSigStatus 1.3.6.1.4.1.429.4.48.1.1.1.19.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines whether or not register signalling is used for incoming and outgoing calls for R2.	INTEGER 1 = disable 2 = enable	
Unused ABCD bit pattern	hdr2CfgUnusedAbcd 1.3.6.1.4.1.429.4.48.1.1.1.20.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines the bit pattern transmitted for whichever of the ABCD bits are not used for the selected line signalling scheme. This means CD for R2 Digital and P7 and BCD for R2 E&M.	INTEGER (0...15)	
Auto Block Response	hdr2CfgBlkToBlk 1.3.6.1.4.1.429.4.48.1.1.1.21.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines whether or not a blocking signals received in the idle state is automatically responded to with a transmitted block signals.	INTEGER 1 = disable 2 = enable	
LOS Delay	hdr2CfgDelayLos 1.3.6.1.4.1.429.4.48.1.1.1.22.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines the required duration of the LOS state before active calls are dropped and the signalling is reinitialised. Restoration of signal during this period allows calls to continue.	INTEGER (0...10000)	
In Glare	hdr2CfgInGlare 1.3.6.1.4.1.429.4.48.1.1.1.23.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines whether the incoming call is accepted and the outgoing call is dropped in a glare condition or both calls are dropped as currently implemented.	INTEGER 1 = disable 2 = enable	
Clear Call	hdr2CfgClrCall 1.3.6.1.4.1.429.4.48.1.1.1.24.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines whether an active call is cleared when an unexpected line signal is received or the line signal is ignored as currently implemented.	INTEGER 1 = disable 2 = enable	

TCM Name	ASN.1 MIB	Description	Settings	Command
A-number Query	hdr2CfgANumQry 1.3.6.1.4.1.429.4.48.1.1.1.25.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines whether or not an extra MFC cycle is used before to the A-number to indicate whether an A-number is availableusing III-1 for yes and III-0 for no.	INTEGER 1 = disable 2 = enable	
A Num Nav	hdr2CfgANumNAv 1.3.6.1.4.1.429.4.48.1.1.1.26.slot*1000 + channel mandatory read-write in hdr2.mib	THis object interpret I-12 as A-number not available.	INTEGER 1 = disable 2 = enable	
A-number Request	hdr2CfgANumReq 1.3.6.1.4.1.429.4.48.1.1.1.27.slot*1000 + channel mandatory read-write in hdr2.mib	this object backward register signal used to request transmission of the next A-number digit Frequently this is the same as the signal used to request transmission of the call category and A-number .	INTEGER 1 = c1 2 = c5 3 = c6 4 = c9	
Clear-forward	hdr2CfgClrFwd 1.3.6.1.4.1.429.4.48.1.1.1.28.slot*1000 + channel mandatory read-write in hdr2.mib	This object repeatd size/clear-forward sequence is sent to startup to try to provoke a response from attached equipment.	INTEGER 1 = disable 2 = enable	
Release Guard	hdr2CfgRelGuard 1.3.6.1.4.1.429.4.48.1.1.1.29.slot*1000 + channel mandatory read-write in hdr2.mib	This object is duration for which Release Guard signal is sent.	INTEGER (0...2000)	
Pulsed Idle Clear-Back on Incoming Call	hdr2CfgPlClrBck 1.3.6.1.4.1.429.4.48.1.1.1.30.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines whether or not a repeated release/Seize-ack sequence is sent while attempting to clear anincoming call.	INTEGER 1 = disable 2 = enable	
Answer Delay	hdr2CfgDelayAns 1.3.6.1.4.1.429.4.48.1.1.1.31.slot*1000 + channel mandatory read-write in hdr2.mib	this object determines the delay between the end of addressing and transmission of the answer signal.	INTEGER (100...2000)	
B-number Length	hdr2CfgBNumLen 1.3.6.1.4.1.429.4.48.1.1.1.32.slot*1000 + channel mandatory read-write in hdr2.mib	this object determines the number of B-number digits to accept beore sending the 'address complete'signal provided the 'end of B_number'signal is not received first.	INTEGER (1...36)	
B-digit Timeout Action	hdr2CfgActBTout 1.3.6.1.4.1.429.4.48.1.1.1.33.slot*1000 + channel mandatory read-write in hdr2.mib	this object determines action to be taken on last B-digit timeout.	INTEGER 1 = b-number 2 = error	
In Sub Free	hdr2CfgInSubFree 1.3.6.1.4.1.429.4.48.1.1.1.34.slot*1000 + channel mandatory read-write in hdr2.mib	this object backward register signal used to indicate acceptance of an incoming call.	INTEGER 1 = b1 2 = b5 3 = b6	

TCM Name	ASN.1 MIB	Description	Settings	Command
B-number Not Found	hdr2CfgBNumNFnd 1.3.6.1.4.1.429.4.48.1.1.1.35.slot*1000 + channel mandatory read-write in hdr2.mib	this object determines the action on B-Number not found in teh DNIS handling table.	INTEGER 1 = acceptAllCalls 2 = rejectAllCalls 3 = acceptAllCallsAsDigital 4 = acceptAllCallsAnalog	
Send Current B-number	hdr2CfgSndBNumN 1.3.6.1.4.1.429.4.48.1.1.1.36.slot*1000 + channel mandatory read-write in hdr2.mib	this object backward signal requesting retransmission of curent B-number digit for outgoing calls.	INTEGER 1 = a9 2 = a10	
Send B-number digit N-1	hdr2CfgSndBNumN1 1.3.6.1.4.1.429.4.48.1.1.1.37.slot*1000 + channel mandatory read-write in hdr2.mib	this object backward signal requesting transmission of B-number digit N-1 for outgoing calls.	INTEGER 1 = a2 2 = a8 3 = a9 4 = a10	
Send B-number digit N-2	hdr2CfgSndBNumN2 1.3.6.1.4.1.429.4.48.1.1.1.38.slot*1000 + channel mandatory read-write in hdr2.mib	this object backward signal requesting transimission of B-number digit N-2 for outgoing calls.	INTEGER 1 = a7 2 = a9	
Send B-number digit N-3	hdr2CfgSndBNumN3 1.3.6.1.4.1.429.4.48.1.1.1.39.slot*1000 + channel mandatory read-write in hdr2.mib	this object backward signal requesting transimission of B-number digit N-3 for outgoing calls.	INTEGER 1 = a8 2 = a10	
Send First B-Number Digit	hdr2CfgSndFBNum 1.3.6.1.4.1.429.4.48.1.1.1.40.slot*1000 + channel mandatory read-write in hdr2.mib	this object determines whether or not the I-15 'end of B-number' signal is used for outgoing calls.	INTEGER 1 = a2 2 = a9 3 = a10	
Default A-number	hdr2CfgDumANum 1.3.6.1.4.1.429.4.48.1.1.1.41.slot*1000 + channel mandatory read-write in hdr2.mib	this object default A-number for outgoing calls in case none is supplied during call initiation.	DisplayString (1...36)	
End of A-number Digits	hdr2CfgEndANum 1.3.6.1.4.1.429.4.48.1.1.1.42.slot*1000 + channel mandatory read-write in hdr2.mib	This object forward register signal used to indicate that no more a_number digits are avaible.default=iii-15.	INTEGER 1 = iii-12 2 = iii-15	

Call Category Map

TCM Name	ASN.1 MIB	Description	Settings	Command
Incoming Call Category Map Signal Number	hdr2InCatMapSigNum 1.3.6.1.4.1.429.4.48.2.1.1.2.slot*1000 + channel mandatory read-only in hdr2.mib	This object is the index for one of 15 possible forward call category signals for imcoming calls.	INTEGER (1...15)	
Incoming Call Category Map	hdr2InCatMapCallType 1.3.6.1.4.1.429.4.48.2.1.1.3.slot*1000 + channel mandatory read-write in hdr2.mib	This object determines the meaning of forward call category for incoming calls.	INTEGER 1 = analog 2 = digital 3 = test 4 = maintenance	

Actions/Commands

Software Commands

T1 Span Line Actions:

- No Command (NF)
- Force Receiver Reframe (NF)
- Enter Loopback (NF)
- Exit Loopback (NF)
- Override Red Alarm LED (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
uds1CmdMgtStationId	uds1CmdMgtStationId 1.3.6.1.4.1.429.1.4.6.1.2 mandatory read-write in uds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uds1CmdReqId and uds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uds1CmdReqId	uds1CmdReqId 1.3.6.1.4.1.429.1.4.6.1.3 mandatory read-only in uds1.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on this DS1 interface. If the request-id is unknown or undefined this object contains the zero value.	INTEGER	
uds1CmdFunction	uds1CmdFunction 1.3.6.1.4.1.429.1.4.6.1.4 mandatory read-write in uds1.mib	This object identifies the command being requested.	INTEGER 1 = noCommand 2 = forceReceiverReframe 3 = enterLoopback 4 = exitLoopback 5 = inService 6 = localOutOfService 7 = blockAnalogCalls 8 = blockDigitalCalls 9 = blockAllCalls 10 = blockNoCalls 11 = redAlarmOverride 12 = takeDownDChannel 13 = bringUpDChannel	
uds1CmdForce	uds1CmdForce 1.3.6.1.4.1.429.1.4.6.1.5 mandatory read-write in uds1.mib	In some cases the DS1 interface may be in a state such that certain commands could adversely affect connections. In such cases a command request with uds1CmdForce not defined or set to noForce will result in a warning. If the operator elects to ignore such warnings uds1CmdForce can be set to force in a re-issued	INTEGER 1 = force 2 = noForce	

TCM Name	ASN.1 MIB	Description	Settings	Command
uds1CmdMgtStationId	uds1CmdMgtStationId 1.3.6.1.4.1.429.1.4.6.1.2 mandatory read-write in uds1.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the result of that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uds1CmdReqId and uds1CmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
		request and the command will be carried out regardless of its potentially hazzardous effects.		
uds1CmdParam	uds1CmdParam 1.3.6.1.4.1.429.1.4.6.1.6 mandatory read-write in uds1.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uds1CmdResult	uds1CmdResult 1.3.6.1.4.1.429.1.4.6.1.7 mandatory read-only in uds1.mib	This object contains the result of the most recently requested command or the value none(1) if no commands have been requested since the last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uds1CmdCode	uds1CmdCode 1.3.6.1.4.1.429.1.4.6.1.8 mandatory read-only in uds1.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 20 = unsupportedCommand 22 = deviceDisabled 73 = pendingSoftwareDownload	

Faults

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
Trap on Yellow Alarm	uds1TrapEnaYellowAlarm 1.3.6.1.4.1.429.1.4.7.1.2.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Red Alarm	uds1TrapEnaRedAlarm 1.3.6.1.4.1.429.1.4.7.1.3.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Loss of Signal	uds1TrapEnaLossOfSignal 1.3.6.1.4.1.429.1.4.7.1.4.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Alarm Ind Signal	uds1TrapEnaAlarmIndSignal 1.3.6.1.4.1.429.1.4.7.1.5.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Yellow Alarm Cleared	uds1TrapEnaYellowAlarmClr 1.3.6.1.4.1.429.1.4.7.1.6.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Red Alarm Cleared	uds1TrapEnaRedAlarmClr 1.3.6.1.4.1.429.1.4.7.1.7.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a red alarm condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Loss of Signal Cleared	uds1TrapEnaLossOfSgnlClr 1.3.6.1.4.1.429.1.4.7.1.8.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of loss of signal condition being cleared on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Trap on Alarm Ind Signal Cleared	uds1TrapEnaAlrmIndSgnlClr 1.3.6.1.4.1.429.1.4.7.1.9.slot*1000 + channel	Enable the generation of an SNMP trap upon detection of an alarm indication signal (AIS) being cleared on the specified DS1.	INTEGER 1 = enableTrap	

TCM Name	ASN.1 MIB	Description	Settings	Command
Trap on Yellow Alarm	uds1TrapEnaYellowAlarm 1.3.6.1.4.1.429.1.4.7.1.2.slot*1000 + channel mandatory read-write in uds1.mib	Enable the generation of an SNMP trap upon detection of a yellow alarm condition on the specified DS1.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
	mandatory read-write in uds1.mib		2 = disableAll 3 = enableLog 4 = enableAll	

T1 Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Since Start of Error Measurement	ds1TimeElapsed 1.3.6.1.3.2.1.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (1...900)	
Number of Valid Sampling Intervals	ds1ValidIntervals 1.3.6.1.3.2.1.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (0...96)	
CSU Loopback State	ds1Loopback 1.3.6.1.3.2.1.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoLoop 2 = ds1LocalLoopbackLocalSide 3 = ds1LocalLoopbackRemoteSide 4 = ds1RemoteLoopbackLocalSide 5 = ds1RemoteLoopbackRemoteSide	
Sending Code Type	ds1SendCode 1.3.6.1.3.2.1.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1OtherTest 2 = ds1SendNoCode 3 = ds1SendSetCode 4 = ds1SendResetCode 5 = ds1SendQRSS	
Yellow Alarm State	ds1YellowAlarm 1.3.6.1.3.2.1.1.9.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoYellowAlarm 2 = ds1YellowAlarm	
Red Alarm State	ds1RedAlarm 1.3.6.1.3.2.1.1.10.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER 1 = ds1NoRedAlarm 2 = ds1RedAlarm	
Vendor's Circuit ID	ds1CircuitIdentifier 1.3.6.1.3.2.1.1.11.slot*1000 + channel mandatory read-only in ds1.mib	Null	DisplayString SIZE(0...255)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Time Since Start of Error Measurement	ds1TimeElapsed 1.3.6.1.3.2.1.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	INTEGER (1...900)	
Receiver Gain Applied	uds1StatReceiverGain 1.3.6.1.4.1.429.1.4.5.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object identifies the amount of gain applied to boost the receive signal level to an appropriate operating level.	INTEGER 1 = dB0 2 = dB7 3 = dB15 4 = dB22 5 = notApplicable	
Lost Framing Pattern	uds1StatOutOfFrame 1.3.6.1.4.1.429.1.4.5.1.3.slot*1000 + channel mandatory read-only in uds1.mib	This object indicates when the framing pattern for the specified T1 line has been lost and data connot be extracted properly. This condition is also known as red alarm.	INTEGER 1 = false 2 = true	
Loss of Signal Detected	uds1StatLossOfSignal 1.3.6.1.4.1.429.1.4.5.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object indicates when 175 consecutive 0's have been detected. The signal is considered recovered if the 1's density reaches 12.5% (ie. four ones in a 32 bit period).	INTEGER 1 = false 2 = true	
Lost Receive (Blue Alarm)	uds1StatReceivingAIS 1.3.6.1.4.1.429.1.4.5.1.5.slot*1000 + channel mandatory read-only in uds1.mib	This object identifies when the remote end of the specified T1 line has lost its receive signal and is transmitting a stream of all 1's to the local end. This AIS condition is also known as blue alarm.	INTEGER 1 = false 2 = true	

DS1 Interval Group (15 min. Intervals)

TCM Name	ASN.1 MIB	Description	Settings	Command
Interval BPVs	ds1IntervalBPVs 1.3.6.1.3.2.2.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Errored Seconds	ds1IntervalESs 1.3.6.1.3.2.2.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1IntervalSESs 1.3.6.1.3.2.2.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1IntervalSEFSs 1.3.6.1.3.2.2.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1IntervalUASs 1.3.6.1.3.2.2.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1IntervalCSSs 1.3.6.1.3.2.2.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1IntervalCVs 1.3.6.1.3.2.2.1.9.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Most Recent 15 min. Interval	uds1IntNumber 1.3.6.1.4.1.429.1.4.2.1.2.slot*1000 + channel mandatory read-only in uds1.mib	A number between 1 and 96 where 1 is the most recently completed 15 minute interval and 96 is the least recently completed 15 minute interval (assuming that all 96 intervals are valid).	INTEGER	
Interval Bursty Errored Seconds	uds1IntBurstyErrSeconds 1.3.6.1.4.1.429.1.4.2.1.3.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds over the specified interval in which there were more than 2 and less than 320 CRC errors.	Counter	
Incorrectly Received Framing Bits	uds1IntFrameBitErrors 1.3.6.1.4.1.429.1.4.2.1.4.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used for the T1 receiver to determine frame allignment. This object counts the number of incorrectly received framing bits in the specified 15 minute interval.	Counter	
Reframimg Counts	uds1IntDeltaFrameAlligns 1.3.6.1.4.1.429.1.4.2.1.5.slot*1000 + channel mandatory read-only	This object counts the number of times the specified T1 receiver has reframed on a new framing pattern (ie. due to an OOF	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Interval BPVs	ds1IntervalBPVs 1.3.6.1.3.2.2.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
	in uds1.mib	condition) in the specified 15 minute interval.		
Excess CRC Errors	uds1IntExcessCRCErrors 1.3.6.1.4.1.429.1.4.2.1.6.slot*1000 + channel mandatory read-only in uds1.mib	This object counts each time 32 of any 33 consecutive CRCs are in error for the specified T1 line in the specified 15 minute interval. This counter is only valid in ESF format.	Counter	

DS1 Current Group (15 min.)

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1CurrentESs 1.3.6.1.3.2.3.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1CurrentSESs 1.3.6.1.3.2.3.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1CurrentSEFSs 1.3.6.1.3.2.3.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1CurrentUASs 1.3.6.1.3.2.3.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Controlled Slip Seconds	ds1CurrentCSSs 1.3.6.1.3.2.3.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1CurrentBPVs 1.3.6.1.3.2.3.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1CurrentCVs 1.3.6.1.3.2.3.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Current Bursty Errored Seconds	uds1CurrBurstyErrSeconds 1.3.6.1.4.1.429.1.4.3.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds in the current 15 minute interval during which there was more than two and less than 320 CRC errors.	Counter	
Incorrectly Received Framing Bits	uds1CurrFrameBitErrors 1.3.6.1.4.1.429.1.4.3.1.3.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used for the receiver to determine frame allignment. This object is a count of the number of incorrectly received framing bits in the current 15 minute interval.	Counter	
Reframing Counts	uds1CurrDeltaFrameAlligns 1.3.6.1.4.1.429.1.4.3.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of times the specified T1 receiver has reframed on a new framing pattern (ie. due to an OOF condition) in the current 15 minute interval.	Counter	
Current Excess CRC	uds1CurrExcessCRCErrors 1.3.6.1.4.1.429.1.4.3.1.5.slot*1000 + channel	This object counts each time 32 of any 33 consecutive CRCs are in	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1CurrentESs 1.3.6.1.3.2.3.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Errors	mandatory read-only in uds1.mib	error for the specified T1 line in the current 15 minute interval. This counter is only valid in ESF format.		

DS1 Total Group (24 hrs.)

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1TotalESs 1.3.6.1.3.2.4.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Seconds	ds1TotalSESs 1.3.6.1.3.2.4.1.3.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Severely Errored Framing Seconds	ds1TotalSEFSs 1.3.6.1.3.2.4.1.4.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Unavailable Seconds	ds1TotalUASs 1.3.6.1.3.2.4.1.5.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Controlled Slip Seconds	ds1TotalCSSs 1.3.6.1.3.2.4.1.6.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Bipolar Violations	ds1TotalBPVs 1.3.6.1.3.2.4.1.7.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Code Violation Error Events	ds1TotalCVs 1.3.6.1.3.2.4.1.8.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
Total Bursty Errored Seconds	uds1TotBurstyErrSeconds 1.3.6.1.4.1.429.1.4.4.1.2.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of seconds over the last 24 hour period in which there were more than 2 and less than 320 CRC errors.	Counter	
Framing Errors	uds1TotFrameBitErrors 1.3.6.1.4.1.429.1.4.4.1.3.slot*1000 + channel mandatory read-only in uds1.mib	A specific bit pattern is used so the T1 receiver can determine frame allignment. This object counts the total number of incorrectly received framing bits in the last 24 hour period.	Counter	
Reframing Counts	uds1TotDeltaFrameAlligns 1.3.6.1.4.1.429.1.4.4.1.4.slot*1000 + channel mandatory read-only in uds1.mib	This object counts the number of times the specified T1 receiver has reframed on a new framing pattern (ie. due to an OOF condition) in the last 24 hour period.	Counter	
Total Excess CRC Errors	uds1TotExcessCRCErrors 1.3.6.1.4.1.429.1.4.4.1.5.slot*1000 + channel	This object indicates the total number of times there have been 32	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Errored Seconds	ds1TotalESs 1.3.6.1.3.2.4.1.2.slot*1000 + channel mandatory read-only in ds1.mib	Null	Counter	
	mandatory read-only in uds1.mib	of any 33 consecutive CRCs in error on the specified T1 line in the last 24 hour period. This counter is only valid in ESF format.		

Bulk Access

TCM Name	ASN.1 MIB	Description	Settings	Command
DS1 Type Timeslot and State	ds0BulkAccessCfgTSS 1.3.6.1.4.1.429.1.5.4.1.2.slot*1000 + channel mandatory read-only in ds0.mib	This object contains the ds0CfgType ds0CfgTimeSlot and ds0CfgState parameters for all the DS0's on the DS1	OCTET STRING SIZE(0...255)	
DS0 and Modem State	ds0BulkAccessStatDs0Modem 1.3.6.1.4.1.429.1.5.4.1.3.slot*1000 + channel mandatory read-only in ds0.mib	This object contains the ds0StatDs0 and ds0StatModem parameters for all the DS0's on the DS1	OCTET STRING SIZE(0...255)	
AB bit Status	ds0BulkAccessABStat 1.3.6.1.4.1.429.1.5.4.1.4.slot*1000 + channel mandatory read-only in ds0.mib	This object contains the AB bit status	OCTET STRING SIZE(0...255)	

Programmed Settings

DS1 Trunk Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	ds1LineType 1.3.6.1.3.2.1.1.5.slot*1000 + channel mandatory read-write in ds1.mib	Null	INTEGER 1 = other 2 = ds1ESF 3 = ds1D4 4 = ds1ANSI-ESF 5 = ds1G704 6 = ds1G704-CRC	
Line Coding Options	uds1CfgZeroCoding 1.3.6.1.4.1.429.1.4.1.1.7.slot*1000 + channel mandatory read-write in uds1.mib	This object defines the type of zero coding used on the specified DS1. It provides some values that are not present in the experimental DS1 MIB.	INTEGER 1 = other 2 = zcs 3 = b8zs 4 = ami 5 = hdb3	
Response to Remote Loopback	uds1CfgRespToRemoteLoopbk 1.3.6.1.4.1.429.1.4.1.1.2.slot*1000 + channel mandatory read-write in uds1.mib	This object configures the specified CSU to either ignore or respond to remotely initiated loopback requests.	INTEGER 1 = ignore 2 = respond	
Seizure to Wink Delay	uds1CfgSeizureWinkDly 1.3.6.1.4.1.429.1.4.1.1.30.slot*1000 + channel mandatory read-write in uds1.mib	Allows an adjustable delay on sending out address information from the T1 NAC to the TELCO.	INTEGER (70...3000)	
Jitter Attenuation	uds1CfgJitterAttenuation 1.3.6.1.4.1.429.1.4.1.1.3.slot*1000 + channel mandatory read-write in uds1.mib	This object is used to select how the jitter attenuation circuit on the CSU is to be used. It can be used to attenuate jitter on the receiver or the transmitter.	INTEGER 1 = attenJitterOnRcvr 2 = attenJitterOnTxmtr 3 = notApplicable	
Transmitter Attenuation	uds1CfgXmitLineBuildOut 1.3.6.1.4.1.429.1.4.1.1.4.slot*1000 + channel mandatory read-write in uds1.mib	This object is used to configure the amount of attenuation that is to be applied to the transmit signal in order to control cross-talk etc.	INTEGER 1 = dB0 2 = dB7 3 = dB15 4 = dB22 5 = notApplicable	
Automatic Busy Out	uds1CfgAutoBusyEnable 1.3.6.1.4.1.429.1.4.1.1.5.slot*1000 + channel mandatory read-write in uds1.mib	This object is used to enable or disable the automatic busy out feature for all timeslots on the specified CSU. If enabled when a modem is considered idle and that modem is not sending the idle pattern to the T1 Card on the TDM bus the timeslot will be busied out.	INTEGER 1 = disabled 2 = enabled	

TCM Name	ASN.1 MIB	Description	Settings	Command
Framing Mode	ds1LineType 1.3.6.1.3.2.1.1.5.slot*1000 + channel mandatory read-write in ds1.mib	Null	INTEGER 1 = other 2 = ds1ESF 3 = ds1D4 4 = ds1ANSI-ESF 5 = ds1G704 6 = ds1G704-CRC	
Dial-in Address	uds1CfgDialInAdr 1.3.6.1.4.1.429.1.4.1.1.6.slot*1000 + channel mandatory read-write in uds1.mib	This object identifies whether or not DNIS digits will be transferred as part of the call setup for the specified T1 line.	INTEGER 1 = noAddress 2 = dnis 3 = ani-dnis 4 = ani	
Dial-in/Dial-out Trunk Signal Start	uds1CfgDialInOutTrunkSt 1.3.6.1.4.1.429.1.4.1.1.8.slot*1000 + channel mandatory read-write in uds1.mib	This will set the Dial-in/Dial-out trunk start signal type. Default = wink(1).	INTEGER 1 = wink 2 = immediate 3 = dialTone	
Acknowledgment Wink	uds1CfgDialInAdrAckWinkEn 1.3.6.1.4.1.429.1.4.1.1.9.slot*1000 + channel mandatory read-write in uds1.mib	Allows to enable/disable an acknowledgement wink after the dial-in address information has been received.	INTEGER 1 = disabled 2 = enabled	
Delay Sending Address Info.	uds1CfgDialOutAdrDly 1.3.6.1.4.1.429.1.4.1.1.10.slot*1000 + channel mandatory read-write in uds1.mib	Allows an adjustable delay on sending out address information from the T1 NAC to the TELCO.	INTEGER (70...3000)	
Stuffed Byte Sent to TELCO	uds1CfgStuffByteValue 1.3.6.1.4.1.429.1.4.1.1.11.slot*1000 + channel mandatory read-write in uds1.mib	The stuffed byte to send to TELCO for inactive DS0 in Fractional T1.	INTEGER (0...255)	
Dial-in/Dial-out Trunk Type	uds1CfgDialInOutTrunkType 1.3.6.1.4.1.429.1.4.1.1.12.slot*1000 + channel mandatory read-write in uds1.mib	This will set the Dial-In/Dial-out trunk type. Default = eAndMTypeII(1).	INTEGER 1 = eAndMTypeII 2 = loopStart 3 = groundStart	
Idle Byte Pattern	uds1CfgIdleByte 1.3.6.1.4.1.429.1.4.1.1.14.slot*1000 + channel mandatory read-write in uds1.mib	This sets the idle byte pattern for the T1-PRI ISDN NAC. The setting takes effect at NAC boot time.Default = 0xFE.	INTEGER (0...255)	
E&M No Address Timer	uds1CfgEandMnoAddrTimer 1.3.6.1.4.1.429.1.4.1.1.29.slot*1000 + channel mandatory read-write in uds1.mib	This object is for E&M type II trunks with no DNIS address. If timer is >0 the ch T1 NAC will flush calls upon timer expiration if the modem has not signalled the NAC to go ahead and answer the call. 2 seconds per unit. Default = 0	INTEGER (0...125)	

DS0 Time Slots

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0-1	ds0CfgTimeSlot 1.3.6.1.4.1.429.1.5.1.1.5.slot*1000 + channel.1 mandatory read-write in ds0.mib	The TDM time slot number used by the particular DS0.	INTEGER (0...256)	

DS0 Configuration Types

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0-1	ds0CfgType 1.3.6.1.4.1.429.1.5.1.1.4.slot*1000 + channel.1 mandatory read-write in ds0.mib	Specifies the connection type for the particular DS0-Default=TDM(1).	INTEGER 1 = tdm 2 = spanLine1 3 = spanLine2	

DS0 Configuration States

TCM Name	ASN.1 MIB	Description	Settings	Command
DS0-1	ds0CfgState 1.3.6.1.4.1.429.1.5.1.1.6.slot*1000 + channel.1 mandatory read-write in ds0.mib	Specifies the state of the particular DS0.	INTEGER 1 = normal 2 = busyOut 3 = transparent 4 = fracUnused	

Short Haul NIC

TCM Name	ASN.1 MIB	Description	Settings	Command
Short Haul NIC Distance Range	uds1CfgShrtHaulDist 1.3.6.1.4.1.429.1.4.1.1.23.slot*1000 + channel mandatory read-write in uds1.mib	Variuos distance ranges supported by Short Haul NIC Default=len0thru133Ft.	INTEGER 1 = notApplicable 2 = len0thru133Ft 3 = len133thru266Ft 4 = len266thru399Ft 5 = len399thru533Ft 6 = len533thru655Ft	

21 X.25 GATEWAY CHANNEL-LEVEL PARAMETERS

This chapter describes the X.25 Channel-level parameters applicable to NACs operating with these software applications:

- 24 Port X.25
- 486 X.25
- X.25 Gateway

X.25 Subnet Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
WAN Status Change to Out of Service	x25wanTrapEnaOutOfSvc 1.3.6.1.4.1.429.1.8.4.1.1.2.slot*1000 + channel mandatory read-write in x25w.mib	Enables generation of a trap when the WAN port status changes from Link Active to Out Of Service.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
WAN Status Change to Link Active	x25wanTrapEnaLinkActive 1.3.6.1.4.1.429.1.8.4.1.1.3.slot*1000 + channel mandatory read-write in x25w.mib	Enables generation of a trap when the WAN port status changes from Out Of Service to Link Active.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Performance

WAN Connection Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Good Frames Transmitted	x25wanStatsGoodFramesTxs 1.3.6.1.4.1.429.1.8.3.1.1.2.slot*1000 + channel mandatory read-only in x25w.mib	A count of the number of good frames transmitted since this entity was initialized.	Counter	
Good Frames received	x25wanStatsGoodFramesRxs 1.3.6.1.4.1.429.1.8.3.1.1.3.slot*1000 + channel mandatory read-only in x25w.mib	A count of the good frames received since this entity was intitalized.	Counter	
Transmit Underruns	x25wanStatsTxUnderruns 1.3.6.1.4.1.429.1.8.3.1.1.4.slot*1000 + channel mandatory read-only in x25w.mib	A count of the number of transmit underruns that have been seen by this entity since initialization.	Counter	
Receiver Overruns	x25wanStatsRxOverruns 1.3.6.1.4.1.429.1.8.3.1.1.5.slot*1000 + channel mandatory read-only in x25w.mib	The number of receiver overruns detected by this entity since intitialization.	Counter	
Received CRC errors	x25wanStatsRxCrcErrs 1.3.6.1.4.1.429.1.8.3.1.1.6.slot*1000 + channel mandatory read-only in x25w.mib	The number of received crc errors since this entity was intitialized.	Counter	
Frames With No Buffer	x25wanStatsRxFrameNoBufs 1.3.6.1.4.1.429.1.8.3.1.1.7.slot*1000 + channel mandatory read-only in x25w.mib	The number of times this entity has recieved data without a buffer to place it into.	Counter	
Unrecoverable overrun Frames	x25wanStatsUnrecoveredRxs 1.3.6.1.4.1.429.1.8.3.1.1.8.slot*1000 + channel mandatory read-only in x25w.mib	The number of overrun frames that the entity was unable to recover.	Counter	
Receive Buffer Overflow	x25wanStatsRxOverflows 1.3.6.1.4.1.429.1.8.3.1.1.9.slot*1000 + channel mandatory read-only in x25w.mib	The number of receive buffer overflows seen by this entity since initialization.	Counter	
Receive Frame Aborts	x25wanStatsRxAborts 1.3.6.1.4.1.429.1.8.3.1.1.10.slot*1000 + channel mandatory read-only in x25w.mib	The number of recieve frame aborts seen by this entity since initialization.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Frames that exceeded max. Frame receive size	x25wanStatsRxTooLongs 1.3.6.1.4.1.429.1.8.3.1.1.11.slot*1000 + channel mandatory read-only in x25w.mib	The number of frames recieved that exceeded the defined maximum receive frame size.	Counter	
Number of too small transmit frames	x25wanStatsTxTooShorts 1.3.6.1.4.1.429.1.8.3.1.1.12.slot*1000 + channel mandatory read-only in x25w.mib	The number of times that the upper protocol layers attempted to transmit too small a frame.	Counter	
Frames that were smaller than minimum frame size	x25wanStatsRxTooShorts 1.3.6.1.4.1.429.1.8.3.1.1.13.slot*1000 + channel mandatory read-only in x25w.mib	A count of the number of frames received that were smaller than the minimum frame size.	Counter	
Count of Bad packets received.	x25wanStatsTxBadPackets 1.3.6.1.4.1.429.1.8.3.1.1.14.slot*1000 + channel mandatory read-only in x25w.mib	The number of bad packets that the WAN interface received for transmission from the upper layers of the X.25 protocol stack.	Counter	
Count of circular buffer full.	x25wanStatsTxRingQFulls 1.3.6.1.4.1.429.1.8.3.1.1.15.slot*1000 + channel mandatory read-only in x25w.mib	A count of the number of times the circular buffer used for transmission was full when a transmission was attempted by the upper layers of the X.25 protocol stack.	Counter	
Received circular queue size	x25wanStatsRxRingQSize 1.3.6.1.4.1.429.1.8.3.1.1.16.slot*1000 + channel mandatory read-only in x25w.mib	A number that indicates the received circular queue size on the X.25 WAN.	INTEGER	
DSR signal status	x25wanStatsDSR 1.3.6.1.4.1.429.1.8.3.1.1.17.slot*1000 + channel mandatory read-only in x25w.mib	X.25 WAN interface DSR signal status.	INTEGER 1 = off 2 = on	
CTS signal status	x25wanStatsCTS 1.3.6.1.4.1.429.1.8.3.1.1.18.slot*1000 + channel mandatory read-only in x25w.mib	X.25 WAN interface CTS signal status.	INTEGER 1 = off 2 = on	
DCD signal status	x25wanStatsDCD 1.3.6.1.4.1.429.1.8.3.1.1.19.slot*1000 + channel mandatory read-only in x25w.mib	X.25 WAN interface DCD signal status.	INTEGER 1 = off 2 = on	

LAPB Interface Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
LAPB Interface Statistics	ulpbStatDISCCmdsRcvd 1.3.6.1.4.1.429.1.9.3.1.16.slot*1000 + channel mandatory read-only in ulpb.mib	Number of DISC commands received.	INTEGER	
LAPB Interface Statistics	ulpbStatDISCCmdsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.17.slot*1000 + channel mandatory read-only in ulpb.mib	Number of DISC commands transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatDMRspsRcvd 1.3.6.1.4.1.429.1.9.3.1.18.slot*1000 + channel mandatory read-only in ulpb.mib	Number of DM response received.	INTEGER	
LAPB Interface Statistics	ulpbStatDMRspsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.19.slot*1000 + channel mandatory read-only in ulpb.mib	Number of DM response transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatFRMRRspsRcvd 1.3.6.1.4.1.429.1.9.3.1.22.slot*1000 + channel mandatory read-only in ulpb.mib	Number of FRMR response received.	INTEGER	
LAPB Interface Statistics	ulpbStatFRMRRspsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.23.slot*1000 + channel mandatory read-only in ulpb.mib	Number of FRMR response transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatIFrameCmdsRcvd 1.3.6.1.4.1.429.1.9.3.1.24.slot*1000 + channel mandatory read-only in ulpb.mib	Number of I-frame command received.	INTEGER	
LAPB Interface Statistics	ulpbStatIFrameCmdsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.25.slot*1000 + channel mandatory read-only in ulpb.mib	Number of I-frame commands transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatREJCmdsRcvd 1.3.6.1.4.1.429.1.9.3.1.10.slot*1000 + channel mandatory read-only in ulpb.mib	Number of REJ commands received.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
LAPB Interface Statistics	ulpbStatREJCmdsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.11.slot*1000 + channel mandatory read-only in ulpb.mib	Number of REJ commands transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatREJRspsRcvd 1.3.6.1.4.1.429.1.9.3.1.12.slot*1000 + channel mandatory read-only in ulpb.mib	Number of REJ responses received.	INTEGER	
LAPB Interface Statistics	ulpbStatREJRspsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.13.slot*1000 + channel mandatory read-only in ulpb.mib	Number of REJ responses transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatRNRCmdsRcvd 1.3.6.1.4.1.429.1.9.3.1.6.slot*1000 + channel mandatory read-only in ulpb.mib	Number of RNR commands received.	INTEGER	
LAPB Interface Statistics	ulpbStatRNRCmdsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.7.slot*1000 + channel mandatory read-only in ulpb.mib	Number of RNR commands transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatRNRRspsRcvd 1.3.6.1.4.1.429.1.9.3.1.8.slot*1000 + channel mandatory read-only in ulpb.mib	Number of RNR response received.	INTEGER	
LAPB Interface Statistics	ulpbStatRNRRspsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.9.slot*1000 + channel mandatory read-only in ulpb.mib	Number of RNR response transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatRRCmdsRcvd 1.3.6.1.4.1.429.1.9.3.1.2.slot*1000 + channel mandatory read-only in ulpb.mib	Number of RR commands received.	INTEGER	
LAPB Interface Statistics	ulpbStatRRCmdsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.3.slot*1000 + channel mandatory read-only in ulpb.mib	Number of RR commands transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatRRRspsRcvd 1.3.6.1.4.1.429.1.9.3.1.4.slot*1000 + channel mandatory read-only in ulpb.mib	Number of RR response received.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
LAPB Interface Statistics	ulpbStatRRRspsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.5.slot*1000 + channel mandatory read-only in ulpb.mib	Number or RR response transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatSABMCmdsRcvd 1.3.6.1.4.1.429.1.9.3.1.14.slot*1000 + channel mandatory read-only in ulpb.mib	Number of SABM commands received.	INTEGER	
LAPB Interface Statistics	ulpbStatSABMCmdsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.15.slot*1000 + channel mandatory read-only in ulpb.mib	Number of SABM commands transmitted.	INTEGER	
LAPB Interface Statistics	ulpbStatUARspsRcvd 1.3.6.1.4.1.429.1.9.3.1.20.slot*1000 + channel mandatory read-only in ulpb.mib	Number of UA response received.	INTEGER	
LAPB Interface Statistics	ulpbStatUARspsTrnsmt 1.3.6.1.4.1.429.1.9.3.1.21.slot*1000 + channel mandatory read-only in ulpb.mib	Number of UA response transmitted.	INTEGER	

X.25 Interface Operations Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
X.25 Interface Operations Statistics	ux25StatCallsRcvd 1.3.6.1.4.1.429.1.10.11.1.2.slot*1000 + channel mandatory read-only in ux25.mib	Number of incoming calls.	INTEGER	
X.25 Interface Operations Statistics	ux25StatCallsRcvdEstab 1.3.6.1.4.1.429.1.10.11.1.4.slot*1000 + channel mandatory read-only in ux25.mib	Number of incoming calls established.	INTEGER	
X.25 Interface Operations Statistics	ux25StatCallsSent 1.3.6.1.4.1.429.1.10.11.1.3.slot*1000 + channel mandatory read-only in ux25.mib	Number of outgoing calls.	INTEGER	
X.25 Interface Operations Statistics	ux25StatCallsSentEstab 1.3.6.1.4.1.429.1.10.11.1.5.slot*1000 + channel mandatory read-only in ux25.mib	Number of outgoing calls established.	INTEGER	
X.25 Interface Operations Statistics	ux25StatDataPktsRcvd 1.3.6.1.4.1.429.1.10.11.1.6.slot*1000 + channel mandatory read-only in ux25.mib	Number of data packets received.	INTEGER	
X.25 Interface Operations Statistics	ux25StatDataPktsSent 1.3.6.1.4.1.429.1.10.11.1.7.slot*1000 + channel mandatory read-only in ux25.mib	Number of data packets sent.	INTEGER	
X.25 Interface Operations Statistics	ux25StatDiagPktsRcvd 1.3.6.1.4.1.429.1.10.11.1.16.slot*1000 + channel mandatory read-only in ux25.mib	Number of diagnostic packets received.	INTEGER	
X.25 Interface Operations Statistics	ux25StatDiagPktsSent 1.3.6.1.4.1.429.1.10.11.1.17.slot*1000 + channel mandatory read-only in ux25.mib	Number of diagnostic packets sent.	INTEGER	
X.25 Interface Operations Statistics	ux25StatIntrptPktsRcvd 1.3.6.1.4.1.429.1.10.11.1.18.slot*1000 + channel mandatory read-only in ux25.mib	Number of interrupt packets received.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
X.25 Interface Operations Statistics	ux25StatIntrptPktsSent 1.3.6.1.4.1.429.1.10.11.1.19.slot*1000 + channel mandatory read-only in ux25.mib	Number of interrupt packets sent.	INTEGER	
X.25 Interface Operations Statistics	ux25StatPVCsInDatTrnsfrState 1.3.6.1.4.1.429.1.10.11.1.20.slot*1000 + channel mandatory read-only in ux25.mib	Number of PVCs in Data Transfer State.	INTEGER	
X.25 Interface Operations Statistics	ux25StatRcvrNotRdyRcvd 1.3.6.1.4.1.429.1.10.11.1.10.slot*1000 + channel mandatory read-only in ux25.mib	Number of receiver not ready received.	INTEGER	
X.25 Interface Operations Statistics	ux25StatRcvrNotRdySent 1.3.6.1.4.1.429.1.10.11.1.11.slot*1000 + channel mandatory read-only in ux25.mib	Number of receiver not ready sent.	INTEGER	
X.25 Interface Operations Statistics	ux25StatRcvrRdyRcvd 1.3.6.1.4.1.429.1.10.11.1.12.slot*1000 + channel mandatory read-only in ux25.mib	Number of receiver ready received.	INTEGER	
X.25 Interface Operations Statistics	ux25StatRcvrRdySent 1.3.6.1.4.1.429.1.10.11.1.13.slot*1000 + channel mandatory read-only in ux25.mib	Number of receiver ready sent.	INTEGER	
X.25 Interface Operations Statistics	ux25StatResetsRcvd 1.3.6.1.4.1.429.1.10.11.1.14.slot*1000 + channel mandatory read-only in ux25.mib	Number of resets received.	INTEGER	
X.25 Interface Operations Statistics	ux25StatResetsSent 1.3.6.1.4.1.429.1.10.11.1.15.slot*1000 + channel mandatory read-only in ux25.mib	Number of resets sent.	INTEGER	
X.25 Interface Operations Statistics	ux25StatRestartsRcvd 1.3.6.1.4.1.429.1.10.11.1.8.slot*1000 + channel mandatory read-only in ux25.mib	Number of restarts received.	INTEGER	
X.25 Interface Operations Statistics	ux25StatRestartsSent 1.3.6.1.4.1.429.1.10.11.1.9.slot*1000 + channel mandatory read-only in ux25.mib	Number of restarts sent.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
X.25 Interface Operations Statistics	ux25StatSVCsInDatTrnsfrState 1.3.6.1.4.1.429.1.10.11.1.21.slot*1000 + channel mandatory read-only in ux25.mib	Number of SVCs in Data Transfer State.	INTEGER	

Programmed Settings

WAN Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Physical Interface Type	x25wanAdmnType 1.3.6.1.4.1.429.1.8.1.1.1.2.slot*1000 + channel mandatory read-write in x25w.mib	Defines which physical serial interface type is implemented.	INTEGER 1 = rs232 2 = v35	
Physical Interface Type (RO)	x25wanOperType 1.3.6.1.4.1.429.1.8.2.1.1.2.slot*1000 + channel mandatory read-only in x25w.mib	Null	INTEGER 1 = rs232 2 = v35	
Baud Rate of Internal Clock Source	x25wanAdmnSpeed 1.3.6.1.4.1.429.1.8.1.1.1.3.slot*1000 + channel mandatory read-write in x25w.mib	Defines the serial port speed used in applications where the Gateway NAC generates a clock. This object will not effect the clock speed when the host provides the clock source. Default=57600.	INTEGER (0...393216)	
Baud Rate of Internal Clock Source (RO)	x25wanOperSpeed 1.3.6.1.4.1.429.1.8.2.1.1.3.slot*1000 + channel mandatory read-only in x25w.mib	Null	INTEGER (0...393216)	
Interface Monitoring Using DCD	x25wanAdmnLinkAvailable 1.3.6.1.4.1.429.1.8.1.1.1.4.slot*1000 + channel mandatory read-write in x25w.mib	Defines whether the WAN interface looks at DCD rather than DSR to determine that the physical layer is active.	INTEGER 1 = dsr 2 = dcd	
Interface Monitoring Using DCD (RO)	x25wanOperLinkAvailable 1.3.6.1.4.1.429.1.8.2.1.1.4.slot*1000 + channel mandatory read-only in x25w.mib	Null	INTEGER 1 = dsr 2 = dcd	
Clock Source	x25wanAdmnClockSouce 1.3.6.1.4.1.429.1.8.1.1.1.5.slot*1000 + channel mandatory read-write in x25w.mib	Determines the source of the synchronous data clock.	INTEGER 1 = dceRxTx 2 = dceRxOnly 3 = brgRxTx	
Clock Source (RO)	x25wanOperClockSource 1.3.6.1.4.1.429.1.8.2.1.1.5.slot*1000 + channel mandatory read-only in x25w.mib	Null	INTEGER 1 = dceRxTx 2 = dceRxOnly 3 = brgRxTx	

TCM Name	ASN.1 MIB	Description	Settings	Command
Max. Frame Size	x25wanAdmnMaxFrmSize 1.3.6.1.4.1.429.1.8.1.1.1.6.slot*1000 + channel mandatory read-write in x25w.mib	Determines the maximum received frame size allowed on the X.25 WAN. Default=300.	INTEGER (0...519)	
Max. Frame Size (RO)	x25wanOperMaxFrmSize 1.3.6.1.4.1.429.1.8.2.1.1.6.slot*1000 + channel mandatory read-only in x25w.mib	Null	INTEGER (0...519)	

LAPB Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
N2 -Max. Number of PDU Transmissions	ulpbAdmnN2ReXmitVal 1.3.6.1.4.1.429.1.9.1.1.2.slot*1000 + channel mandatory read-write in ulpb.mib	The maximum number of times a PDU is sent after the Ack P-bit or Reject timer expires. It also limits RR w/P-bit sends with remote busy true and the Busy timer expiring.Default=10.	INTEGER (1...255)	
N2 -Max. Number of PDU Transmissions (RO)	ulpbOperN2ReXmitVal 1.3.6.1.4.1.429.1.9.2.1.2.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (1...255)	
T1-Acknowledgment Timer	ulpbAdmnT1AckTime 1.3.6.1.4.1.429.1.9.1.1.3.slot*1000 + channel mandatory read-write in ulpb.mib	The time interval during which the LAPB expects to receive a response to an outstanding IPDU or unexpected response to a sent unnumbered PDU. Value is in 0.1 second units.Default=10.	INTEGER (1...3000)	
T1-Acknowledgment Timer (RO)	ulpbOperT1AckTime 1.3.6.1.4.1.429.1.9.2.1.3.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (1...3000)	
P-Bit Response Timer	ulpbAdmnTpfVal 1.3.6.1.4.1.429.1.9.1.1.4.slot*1000 + channel mandatory read-write in ulpb.mib	The time interval during which the LAPB expects to receive a PDU with the F-bit set to 1 in response to a command with the P-bit set to 1. Value is in 0.1 second units.Default=7.	INTEGER (1...3000)	
P-Bit Response Timer (RO)	ulpbOperTpfVal 1.3.6.1.4.1.429.1.9.2.1.4.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (1...3000)	
Reject Response Timer	ulpbAdmnTrejVal 1.3.6.1.4.1.429.1.9.1.1.5.slot*1000 + channel mandatory read-write in ulpb.mib	The time interval during which the LAPB expects to receive a reply to a sent REJ TPDU. Value is in 0.1 second units.Default=25.	INTEGER (1...10000)	
Reject Response Timer (RO)	ulpbOperTrejVal 1.3.6.1.4.1.429.1.9.2.1.5.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (1...10000)	
Busy-State Timer	ulpbAdmnTbusyVal 1.3.6.1.4.1.429.1.9.1.1.6.slot*1000 + channel mandatory read-write in ulpb.mib	The time interval during which the LAPB waits for an indication of the clearance of a busy condition at the other LAPB. Value is in 0.1 second units.Default=100.	INTEGER (1...30000)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Busy-State Timer (RO)	ulpbOperTbusyVal 1.3.6.1.4.1.429.1.9.2.1.6.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (1...30000)	
Link Idle Timer	ulpbAdmnLinkIdleTime 1.3.6.1.4.1.429.1.9.1.1.7.slot*1000 + channel mandatory read-write in ulpb.mib	The time interval during which the LAPB expexts to receive a PDU from the other LAPB. At expiration the P/F cycle which may result in disconnection is initiated. Value is in 0.1 second units. A value of 0 disables the timer.Default=250.	INTEGER (0...32000)	
Link Idle Timer (RO)	ulpbOperLinkIdleTime 1.3.6.1.4.1.429.1.9.2.1.7.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (0...32000)	
Max. Delay Before Sending RR	ulpbAdmnT2AckDelayTime 1.3.6.1.4.1.429.1.9.1.1.8.slot*1000 + channel mandatory read-write in ulpb.mib	The maximum time delay before sending a delayed RR. This must be considerably less than the Ack time value. Value is in 0.1 second units.Default=4.	INTEGER (0...3000)	
Max. Delay Before Sending RR (RO)	ulpbOperT2AckDelayTime 1.3.6.1.4.1.429.1.9.2.1.8.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (0...3000)	
Max. Number Of Unacknowledged IPDUs	ulpbAdmnRecKWindowSz 1.3.6.1.4.1.429.1.9.1.1.9.slot*1000 + channel mandatory read-write in ulpb.mib	The maximum number of unacknowledged IPDUs that can be received before the acknowledgement RR must be sent.Default=3.	INTEGER (0...127)	
Max. Number Of Unacknowledged IPDUs (RO)	ulpbOperRecKWindowSz 1.3.6.1.4.1.429.1.9.2.1.9.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (0...127)	
Transmit Window Size	ulpbAdmnXmitKWindowSz 1.3.6.1.4.1.429.1.9.1.1.10.slot*1000 + channel mandatory read-write in ulpb.mib	The maximum number of unacknowledged PDUs that may be sent before a response is required.Normal Mode = 1-7.Extended Mode = 1-127.Default=7.	INTEGER (1...127)	
Transmit Window Size (RO)	ulpbOperXmitKWindowSz 1.3.6.1.4.1.429.1.9.2.1.10.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (1...127)	
Transmit Probe	ulpbAdmnLocProbe 1.3.6.1.4.1.429.1.9.1.1.11.slot*1000 + channel mandatory read-write in ulpb.mib	The position before the window is closed at which an I PDU is sent with the P-bit set to solicit an acknowledgment from the receiver.Default=0.	INTEGER (0...127)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Transmit Probe (RO)	ulpbOperLocProbe 1.3.6.1.4.1.429.1.9.2.1.11.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (0...127)	
Max. Size of LAPB I Frame	ulpbAdmnMaxRecFrmSz 1.3.6.1.4.1.429.1.9.1.1.12.slot*1000 + channel mandatory read-write in ulpb.mib	The maximum allowable received I frame size. It consists of X25 data + x25 protocol + LAPB protocol.Default=300.	INTEGER (133...519)	
Max. Size of LAPB I Frame (RO)	ulpbOperMaxRecFrmSz 1.3.6.1.4.1.429.1.9.2.1.12.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER (133...519)	
Ignore Any UA Frames Received	ulpbAdmnIgnUaError 1.3.6.1.4.1.429.1.9.1.1.13.slot*1000 + channel mandatory read-write in ulpb.mib	When the connection is in ERROR state this parameter defines whether or not to ignore any UA frames received.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Ignore Any UA Frames Received (RO)	ulpbOperIgnUaError 1.3.6.1.4.1.429.1.9.2.1.13.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER 1 = disable 2 = enable	
Retransmit Frame Reject	ulpbAdmnFrmrFrmrError 1.3.6.1.4.1.429.1.9.1.1.14.slot*1000 + channel mandatory read-write in ulpb.mib	When the connection is in ERROR state this parameter defines whether or not to re-transmit a frame reject if one is received.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Retransmit Frame Reject (RO)	ulpbOperFrmrFrmrError 1.3.6.1.4.1.429.1.9.2.1.14.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER 1 = disable 2 = enable	
Transmit Frame Reject	ulpbAdmnFrmrInvrspError 1.3.6.1.4.1.429.1.9.1.1.15.slot*1000 + channel mandatory read-write in ulpb.mib	When the connection is in ERROR state this parameter defines whether or not to transmit a frame reject if an invalid frame response is received.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Transmit Frame Reject (RO)	ulpbOperFrmrInvrspError 1.3.6.1.4.1.429.1.9.2.1.15.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER 1 = disable 2 = enable	
Reject S-Frame without P-Bit Set	ulpbAdmnSframePbit 1.3.6.1.4.1.429.1.9.1.1.16.slot*1000 + channel mandatory read-write in ulpb.mib	This parameter defines whether or not to send a frame reject if an S-Frame is received without the P-bit set. Default=disable(1).	INTEGER 1 = disable 2 = enable	

TCM Name	ASN.1 MIB	Description	Settings	Command
Reject S-Frame without P-Bit Set (RO)	ulpbOperSframePbit 1.3.6.1.4.1.429.1.9.2.1.16.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER 1 = disable 2 = enable	
Send DM on Entry to ADM State	ulpbAdmnDmOnAdm 1.3.6.1.4.1.429.1.9.1.1.17.slot*1000 + channel mandatory read-write in ulpb.mib	This parameter defines whether or not to send a DM on entry to ADM state.Default=enable(2).	INTEGER 1 = disable 2 = enable	
Send DM on Entry to ADM State (RO)	ulpbOperDmOnAdm 1.3.6.1.4.1.429.1.9.2.1.17.slot*1000 + channel mandatory read-only in ulpb.mib	Null	INTEGER 1 = disable 2 = enable	

PLP Network Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Network Protocol Mode	ux25AdmnNetMode 1.3.6.1.4.1.429.1.10.1.1.2.slot*1000 + channel mandatory read-write in ux25.mib	Selects the network protocol to be used.Default=x2584(3).	INTEGER 1 = x25Llc 2 = x2588 3 = x2584 4 = x2580 5 = pss 6 = austpac 7 = datapac 8 = ddn 9 = telenet 10 = transpac 11 = tymnet 12 = datexP 13 = ddxP 14 = venusP 15 = accunet 16 = itapac 17 = datapak 18 = datanet 19 = dcs 20 = telepac 21 = fDatapac 22 = finpac 23 = pacnet 24 = luxpac	

TCM Name	ASN.1 MIB	Description	Settings	Command
Network Protocol Mode (RO)	ux25OperNetMode 1.3.6.1.4.1.429.1.10.6.1.2.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = x25Llc 2 = x2588 3 = x2584 4 = x2580 5 = pss 6 = austpac 7 = datapac 8 = ddn 9 = telenet 10 = transpac 11 = tymnet 12 = datexP 13 = ddxP 14 = venusP 15 = accunet 16 = itapac 17 = datapak 18 = datanet 19 = dcs 20 = telepac 21 = fDatapac 22 = finpac 23 = pacnet 24 = luxpac	
X.25 Version	ux25AdmnProtocolVersion 1.3.6.1.4.1.429.1.10.1.1.3.slot*1000 + channel mandatory read-write in ux25.mib	Determines the X.25 protocol version being used on the network. A network mode of X25_LLC overides this field to the 1984 standard.Default=x25ver84(3).	INTEGER 1 = x25ver80 2 = x25ver84 3 = x25ver88	
X.25 Version (RO)	ux25OperProtocolVersion 1.3.6.1.4.1.429.1.10.6.1.3.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = x25ver80 2 = x25ver84 3 = x25ver88	
Packet Level Protocol Mode	ux25AdmnInterfaceMode 1.3.6.1.4.1.429.1.10.1.1.4.slot*1000 + channel mandatory read-write in ux25.mib	Indicates the DTE/DCE nature of the link. The DXE parameter is resolved using ISO 8208 for DTE-DTE operation. Default=dteMode(2).	INTEGER 1 = dceMode 2 = dteMode 3 = dxeMode	

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Level Protocol Mode (RO)	ux25OperInterfaceMode 1.3.6.1.4.1.429.1.10.6.1.4.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = dceMode 2 = dteMode 3 = dxeMode	

PLP Virtual Circuit Ranges

TCM Name	ASN.1 MIB	Description	Settings	Command
Lowest PVC	ux25AdmnLowestPVCVal 1.3.6.1.4.1.429.1.10.1.1.5.slot*1000 + channel mandatory read-write in ux25.mib	Low end of the Permanent Virtual Circuit range. If both the Low and High ends of the range are set to 0 there are no PVCs.Default=0.	INTEGER (0...4095)	
Lowest PVC (RO)	ux25OperLowestPVCVal 1.3.6.1.4.1.429.1.10.6.1.5.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...4095)	
Highest PVC	ux25AdmnHighestPVCVal 1.3.6.1.4.1.429.1.10.1.1.6.slot*1000 + channel mandatory read-write in ux25.mib	High end of the Permanent Virtual Circuit range. If both the Low and High ends of the range are set to 0 there are no PVCs.Default=0.	INTEGER (0...4095)	
Highest PVC (RO)	ux25OperHighestPVCVal 1.3.6.1.4.1.429.1.10.6.1.6.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...4095)	
Lowest Incoming Logical Channel	ux25AdmnChannelLIC 1.3.6.1.4.1.429.1.10.1.1.7.slot*1000 + channel mandatory read-write in ux25.mib	Low end of the one-way incoming logical channel. If both Low and High ends of the channel are set to 0 there are no one-way incoming channels.Default=0.	INTEGER (0...4095)	
Lowest Incoming Logical Channel (RO)	ux25OperChannelLIC 1.3.6.1.4.1.429.1.10.6.1.7.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...4095)	
Highest Incoming Logical Channel	ux25AdmnChannelHIC 1.3.6.1.4.1.429.1.10.1.1.8.slot*1000 + channel mandatory read-write in ux25.mib	High end of the one-way incoming logical channel. If both Low and High ends of the channel are set to 0 there are no one-way incoming channels.Default=0.	INTEGER (0...4095)	
Highest Incoming Logical Channel (RO)	ux25OperChannelHIC 1.3.6.1.4.1.429.1.10.6.1.8.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...4095)	
Lowest Two-Way Logical Channel	ux25AdmnChannelLTC 1.3.6.1.4.1.429.1.10.1.1.9.slot*1000 + channel mandatory read-write in ux25.mib	Low end of the two-way incoming logical channel. If both Low and High ends of the channel are set to 0 there are no two-way incoming channels.Default=1024.	INTEGER (0...4095)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Lowest Two-Way Logical Channel (RO)	ux25OperChannelLTC 1.3.6.1.4.1.429.1.10.6.1.9.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...4095)	
Highest Two-Way Logical Channel	ux25AdmnChannelHTC 1.3.6.1.4.1.429.1.10.1.1.10.slot*1000 + channel mandatory read-write in ux25.mib	High end of the two-way incoming logical channel. If both Low and High ends of the channel are set to 0 there are no two-way incoming channels.Default=1087.	INTEGER (0...4095)	
Highest Two-Way Logical Channel (RO)	ux25OperChannelHTC 1.3.6.1.4.1.429.1.10.6.1.10.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...4095)	
Lowest Outgoing Logical Channel	ux25AdmnChannelLOC 1.3.6.1.4.1.429.1.10.1.1.11.slot*1000 + channel mandatory read-write in ux25.mib	Low end of the one-way outgoing logical channel. If both Low and High ends of the channel are set to 0 there are no one-way outgoing channels.Default=0.	INTEGER (0...4095)	
Lowest Outgoing Logical Channel (RO)	ux25OperChannelLOC 1.3.6.1.4.1.429.1.10.6.1.11.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...4095)	
Highest Outgoing Logical Channel	ux25AdmnChannelHOC 1.3.6.1.4.1.429.1.10.1.1.12.slot*1000 + channel mandatory read-write in ux25.mib	High end of the one-way outgoing logical channel. If both Low and High ends of the channel are set to 0 there are no one-way outgoing channels.Default=0.	INTEGER (0...4095)	
Highest Outgoing Logical Channel (RO)	ux25OperChannelHOC 1.3.6.1.4.1.429.1.10.6.1.12.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...4095)	

PLP Packet & Window Sizes

TCM Name	ASN.1 MIB	Description	Settings	Command
Sequence Numbering Option	ux25AdmnPktSequencing 1.3.6.1.4.1.429.1.10.3.1.2.slot*1000 + channel mandatory read-write in ux25.mib	Indicates whether modulo 8 or 128 sequence numbering operates on the network.Default=pktSeq8(16).	INTEGER 16 = pktSeq8 32 = pktSeq128	
Sequence Numbering Option (RO)	ux25OperPktSequencing 1.3.6.1.4.1.429.1.10.8.1.2.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 16 = pktSeq8 32 = pktSeq128	
Max. Local Packet Size	ux25AdmnLocMaxPktSize 1.3.6.1.4.1.429.1.10.3.1.3.slot*1000 + channel mandatory read-write in ux25.mib	Maximum acceptable size of packets in the local-to-remote direction. On an incoming call a value for the packet size parameter greater than this value will be negotiated down to an acceptable size when the call is accepted.Default=maxPktSz256(8).	INTEGER 7 = maxPktSz128 8 = maxPktSz256 9 = maxPktSz512	
Max. Local Packet Size (RO)	ux25OperLocMaxPktSize 1.3.6.1.4.1.429.1.10.8.1.3.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 7 = maxPktSz128 8 = maxPktSz256 9 = maxPktSz512	
Max. Remote Packet Size	ux25AdmnRemMaxPktSize 1.3.6.1.4.1.429.1.10.3.1.4.slot*1000 + channel mandatory read-write in ux25.mib	Maximum acceptable size of packets in the remote-to-local direction. On an incoming call a value for the packet size parameter greater than this value will be negotiated down to an acceptable size when the call is accepted.Default=maxPktSz256(8).	INTEGER 7 = maxPktSz128 8 = maxPktSz256 9 = maxPktSz512	
Max. Remote Packet Size (RO)	ux25OperRemMaxPktSize 1.3.6.1.4.1.429.1.10.8.1.4.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 7 = maxPktSz128 8 = maxPktSz256 9 = maxPktSz512	
Default Local Packet Size	ux25AdmnLocDefPktSize 1.3.6.1.4.1.429.1.10.3.1.5.slot*1000 + channel mandatory read-write in ux25.mib	Specifies the value of the default packet size for the direction local-to-remote which may be nonstandard provided the value is agreed between the communicating parties on the LAN or between the DTE and DCE.Default=defPktSz256(8).	INTEGER 4 = defPktSz16 5 = defPktSz32 6 = defPktSz64 7 = defPktSz128 8 = defPktSz256 9 = defPktSz512	

TCM Name	ASN.1 MIB	Description	Settings	Command
Default Local Packet Size (RO)	ux25OperLocDefPktSize 1.3.6.1.4.1.429.1.10.8.1.5.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 4 = defPktSz16 5 = defPktSz32 6 = defPktSz64 7 = defPktSz128 8 = defPktSz256 9 = defPktSz512	
Default Remote Packet Size	ux25AdmnRemDefPktSize 1.3.6.1.4.1.429.1.10.3.1.6.slot*1000 + channel mandatory read-write in ux25.mib	Specifies the value of the default packet size for the direction remote-to-local which may be nonstandard provided the value is agreed between the communicating parties on the LAN or between the DTE and DCE.Default=defPktSz256(8).	INTEGER 4 = defPktSz16 5 = defPktSz32 6 = defPktSz64 7 = defPktSz128 8 = defPktSz256 9 = defPktSz512	
Default Remote Packet Size (RO)	ux25OperRemDefPktSize 1.3.6.1.4.1.429.1.10.8.1.6.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 4 = defPktSz16 5 = defPktSz32 6 = defPktSz64 7 = defPktSz128 8 = defPktSz256 9 = defPktSz512	
Max. Local Window Size	ux25AdmnLocMaxWinSize 1.3.6.1.4.1.429.1.10.3.1.7.slot*1000 + channel mandatory read-write in ux25.mib	Specifies the maximum local window size. NOTE: 127 allowed only for modulo 128 networks.Default=7.	INTEGER (2...127)	
Max. Local Window Size (RO)	ux25OperLocMaxWinSize 1.3.6.1.4.1.429.1.10.8.1.7.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (2...127)	
Max. Remote Window Size	ux25AdmnRemMaxWinSize 1.3.6.1.4.1.429.1.10.3.1.8.slot*1000 + channel mandatory read-write in ux25.mib	Specifies the maximum remote window size. NOTE: 127 allowed only for modulo 128 networks.Default=7.	INTEGER (2...127)	
Max. Remote Window Size (RO)	ux25OperRemMaxWinSize 1.3.6.1.4.1.429.1.10.8.1.8.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (2...127)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Default Local Window Size	ux25AdmnLocDefWinSize 1.3.6.1.4.1.429.1.10.3.1.9.slot*1000 + channel mandatory read-write in ux25.mib	Specifies the value of the default window size which may be nonstandard provided the value is agreed on by all parties on the LAN between the DTE and DCE. NOTE: The sequence numbering scheme affects the range of this parameter.Default=2.	INTEGER (1...127)	
Default Local Window Size (RO)	ux25OperLocDefWinSize 1.3.6.1.4.1.429.1.10.8.1.9.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (1...127)	
Default Remote Window Size	ux25AdmnRemDefWinSize 1.3.6.1.4.1.429.1.10.3.1.10.slot*1000 + channel mandatory read-write in ux25.mib	Specifies the value of the default window size which may be nonstandard provided the value is agreed on by all parties on the LAN between the DTE and DCE. NOTE: The sequence numbering scheme affects the range of this parameter.Default=2.	INTEGER (1...127)	
Default Remote Window Size (RO)	ux25OperRemDefWinSize 1.3.6.1.4.1.429.1.10.8.1.10.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (1...127)	
Max. NSDU Length	ux25AdmnMaxNSDULimit 1.3.6.1.4.1.429.1.10.3.1.11.slot*1000 + channel mandatory read-write in ux25.mib	The default maximum length beyond which concatenation is stopped and data currently held is passed to the Network Service user.Default=256.	INTEGER (0...32000)	
Max. NSDU Length (RO)	ux25OperMaxNSDULimit 1.3.6.1.4.1.429.1.10.8.1.11.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	

PLP Timers (0.1 sec) & Retransmission Values

TCM Name	ASN.1 MIB	Description	Settings	Command
Acknowledgment Delay - Withhold Pending RR	ux25AdmnAckDelay 1.3.6.1.4.1.429.1.10.5.1.2.slot*1000 + channel mandatory read-write in ux25.mib	The maximum number of ticks (0.1 second units) over which a pending acknowledgement is withheld.Default=5.	INTEGER (0...32000)	
Acknowledgment Delay - Withhold Pending RR (RO)	ux25OperAckDelay 1.3.6.1.4.1.429.1.10.10.1.2.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
T20 - Restart Request Response Timer	ux25AdmnRstrtTime 1.3.6.1.4.1.429.1.10.5.1.3.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE timer parameter T20 the Restart Request Response Timer.Default=1800.	INTEGER (0...32000)	
T20 - Restart Request Response Timer (RO)	ux25OperRstrtTime 1.3.6.1.4.1.429.1.10.10.1.3.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
T21 - Call Request Response Timer	ux25AdmnCallTime 1.3.6.1.4.1.429.1.10.5.1.4.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE timer parameter T21 the Call Request Response Timer.Default=2000.	INTEGER (0...32000)	
T21 - Call Request Response Timer (RO)	ux25OperCallTime 1.3.6.1.4.1.429.1.10.10.1.4.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
T22 - Reset Request Response Timer	ux25AdmnRstTime 1.3.6.1.4.1.429.1.10.5.1.5.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE timer parameter T22 the Reset Request Response Timer.Default=1800.	INTEGER (0...32000)	
T22 - Reset Request Response Timer (RO)	ux25OperRstTime 1.3.6.1.4.1.429.1.10.10.1.5.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
T23 - Clear Request Response Timer	ux25AdmnClrTime 1.3.6.1.4.1.429.1.10.5.1.6.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE timer parameter T23 the Clear Request Response Timer.Default=1800.	INTEGER (0...32000)	

TCM Name	ASN.1 MIB	Description	Settings	Command
T23 - Clear Request Response Timer (RO)	ux25OperClrTime 1.3.6.1.4.1.429.1.10.10.1.6.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
Status Transmission Timer	ux25AdmnWinStatTime 1.3.6.1.4.1.429.1.10.5.1.7.slot*1000 + channel mandatory read-write in ux25.mib	Related but does not correspond exactly to the DTE Window Status Transmission Timer T24. Specifies the number of ticks (0.1 second units) for the maximum time that acknowledgments of data received from the remote transmitter will be witheld. At timer expiration any witheld acknowledgments will be carried by a X.25 level 3 RNR packet.Default=750.	INTEGER (0...32000)	
Status Transmission Timer (RO)	ux25OperWinStatTime 1.3.6.1.4.1.429.1.10.10.1.7.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
T25 - Window Rotation Timer	ux25AdmnWinRotTime 1.3.6.1.4.1.429.1.10.5.1.8.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE timer parameter T25 the Window Rotation Timer.Default=1500.	INTEGER (0...32000)	
T25 - Window Rotation Timer (RO)	ux25OperWinRotTime 1.3.6.1.4.1.429.1.10.10.1.8.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
T26 - Interrupt Response Timer	ux25AdmnIntrptTime 1.3.6.1.4.1.429.1.10.5.1.9.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE timer parameter T26 the Interrupt Response Timer.Default=1800.	INTEGER (0...32000)	
T26 - Interrupt Response Timer (RO)	ux25OperIntrptTime 1.3.6.1.4.1.429.1.10.10.1.9.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
Link Level Hold Time	ux25AdmnIdleValue 1.3.6.1.4.1.429.1.10.5.1.10.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) during which a link level connection associated with no connections will be maintained. If the link is to a WAN then this value should be zero (infinity). This timer is only used with X.25 on a LAN.Default=0.	INTEGER (0...32000)	
Link Level Hold Time (RO)	ux25OperIdleValue 1.3.6.1.4.1.429.1.10.10.1.10.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	

TCM Name	ASN.1 MIB	Description	Settings	Command
DTE/DCE Resolution Timer	ux25AdmnConnectValue 1.3.6.1.4.1.429.1.10.5.1.11.slot*1000 + channel mandatory read-write in ux25.mib	Specifies the number of ticks (0.1 second units) over which the DTE/DCE resolution phase be completely implemented in order to prevent the unlikely event that two packet level entities cannot resolve their DTE/DCE nature. When this expires the link connection will be disconnected and all pending connections aborted.Default=2000.	INTEGER (0...32000)	
DTE/DCE Resolution Timer (RO)	ux25OperConnectValue 1.3.6.1.4.1.429.1.10.10.1.11.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
R20 - DTE Restart Request Retransmit Count	ux25AdmnRstrtCnt 1.3.6.1.4.1.429.1.10.5.1.12.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE Restart Request Retransmission Count.Default=1.	INTEGER (1...255)	
R20 - DTE Restart Request Retransmit Count (RO)	ux25OperRstrtCnt 1.3.6.1.4.1.429.1.10.10.1.12.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (1...255)	
R22 - DTE Reset Request Retransmit Count	ux25AdmnRstCnt 1.3.6.1.4.1.429.1.10.5.1.13.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE Reset Request Retransmission Count.Default=1.	INTEGER (1...255)	
R22 - DTE Reset Request Retransmit Count (RO)	ux25OperRstCnt 1.3.6.1.4.1.429.1.10.10.1.13.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (1...255)	
R23 - DTE Clear Request Retransmit Count	ux25AdmnClrCnt 1.3.6.1.4.1.429.1.10.5.1.14.slot*1000 + channel mandatory read-write in ux25.mib	The number of ticks (0.1 second units) for the DTE Clear Request Retransmission Count.Default=1.	INTEGER (1...255)	
R23 - DTE Clear Request Retransmit Count (RO)	ux25OperClrCnt 1.3.6.1.4.1.429.1.10.10.1.14.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (1...255)	

PLP Transit Delay

TCM Name	ASN.1 MIB	Description	Settings	Command
Local Delay	ux25AdmnLocalDelay 1.3.6.1.4.1.429.1.10.5.1.15.slot*1000 + channel mandatory read-write in ux25.mib	The transit delay (in 0.1 second units) attributed to internal processing.Default=5.	INTEGER (0...32000)	
Local Delay (RO)	ux25OperLocalDelay 1.3.6.1.4.1.429.1.10.10.1.15.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	
Access Delay	ux25AdmnAccessDelay 1.3.6.1.4.1.429.1.10.5.1.16.slot*1000 + channel mandatory read-write in ux25.mib	The transit delay (in 0.1 second units) attributed to the effect of the line transmission rate.Default=5.	INTEGER (0...32000)	
Access Delay (RO)	ux25OperAccessDelay 1.3.6.1.4.1.429.1.10.10.1.16.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER (0...32000)	

PLP Throughput Class

TCM Name	ASN.1 MIB	Description	Settings	Command
Max. Local Throughput Class	ux25AdmnLocMaxThruPutClass 1.3.6.1.4.1.429.1.10.2.1.2.slot*1000 + channel mandatory read-write in ux25.mib	The maximum value of the throughput class Quality of Service parameter which is supported. According to ISO 8208 this parameter is bounded in the range >=3 and <=12 corresponding to a range 75 to 48000 bits/second. The range supported here is 0 to 15 for non-standard X.25 implementations which use the Throughput Class Window/Packet Parameters (Group II).Default=12.	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	
Max. Local Throughput Class (RO)	ux25OperLocMaxThruPutClass 1.3.6.1.4.1.429.1.10.7.1.2.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	

TCM Name	ASN.1 MIB	Description	Settings	Command
Max. Remote Throughput Class	ux25AdmnRemMaxThruPutClass 1.3.6.1.4.1.429.1.10.2.1.3.slot*1000 + channel mandatory read-write in ux25.mib	The maximum value of the throughput class Quality of Service parameter which is supported. According to ISO 8208 this parameter is bounded in the range >=3 and <=12 corresponding to a range 75 to 48000 bits/second. The range supported here is 0 to 15 for non-standard X.25 implementations which use the Throughput Class Window/Packet Parameters (Group II).Default=12.	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	
Max. Remote Throughput Class (RO)	ux25OperRemMaxThruPutClass 1.3.6.1.4.1.429.1.10.7.1.3.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	

TCM Name	ASN.1 MIB	Description	Settings	Command
Default Local Throughput Class	ux25AdmnLocDefThruPutClass 1.3.6.1.4.1.429.1.10.2.1.4.slot*1000 + channel mandatory read-write in ux25.mib	The default throughput class that is defined for the local-to-remote direction. In some networks such as TELENET negotiation of throughput class is constrained to be towards a configured default throughput class. In other PSDNs this value should be set equal to the value of the Maximum Local Throughput Class.Default=12.	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	
Default Local Throughput Class (RO)	ux25OperLocDefThruPutClass 1.3.6.1.4.1.429.1.10.7.1.4.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	

TCM Name	ASN.1 MIB	Description	Settings	Command
Default Remote Throughput Class	ux25AdmnRemDefThruPutClass 1.3.6.1.4.1.429.1.10.2.1.5.slot*1000 + channel mandatory read-write in ux25.mib	The default throughput class value defined for remote-to-local direction. In some networks such as TELENET negotiation of throughput class is constrained to be towards a configured default throughput class. In other PSDNs this value should be set equal to the value of the Maximum Remote Throughput Class.Default=12.	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	
Default Remote Throughput Class (RO)	ux25OperRemDefThruPutClass 1.3.6.1.4.1.429.1.10.7.1.5.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	

TCM Name	ASN.1 MIB	Description	Settings	Command
Min. Local Throughput Class	ux25AdmnLocMinThruPutClass 1.3.6.1.4.1.429.1.10.2.1.6.slot*1000 + channel mandatory read-write in ux25.mib	According to ISO 8208 the throughput class parameter is defined in the range of >=3 to <=12. Some PSDNs may provide different mapping in which case this parameter is the minimum value.Default=3.	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	
Min. Local Throughput Class (RO)	ux25OperLocMinThruPutClass 1.3.6.1.4.1.429.1.10.7.1.6.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	

TCM Name	ASN.1 MIB	Description	Settings	Command
Min. Remote Throughput Class	ux25AdmnRemMinThruPutClass 1.3.6.1.4.1.429.1.10.2.1.7.slot*1000 + channel mandatory read-write in ux25.mib	According to ISO 8208 the throughput class parameter is defined in the range of >=3 to <=12. Some PSDNs may provide different mapping in which case this parameter is the minimum value.Default=3.	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	
Min. Remote Throughput Class (RO)	ux25OperRemMinThruPutClass 1.3.6.1.4.1.429.1.10.7.1.7.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = tcReserved0 2 = tcReserved1 3 = tcReserved2 4 = tc75 5 = tc150 6 = tc300 7 = tc600 8 = tc1200 9 = tc2400 10 = tc4800 11 = tc9600 12 = tc19200 13 = tc48000 14 = tcReserved13 15 = tcReserved14 16 = tcReserved15	

PLP Throughput Class Windows & Packets

TCM Name	ASN.1 MIB	Description	Settings	Command
Throughput Class Negotiation	ux25AdmnThclassNegToDef 1.3.6.1.4.1.429.1.10.2.1.8.slot*1000 + channel mandatory read-write in ux25.mib	Determines if throughput class negotiation will be used for certain network procedures.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Throughput Class Negotiation (RO)	ux25OperThclassNegToDef 1.3.6.1.4.1.429.1.10.7.1.8.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Type	ux25AdmnThclassType 1.3.6.1.4.1.429.1.10.2.1.9.slot*1000 + channel mandatory read-write in ux25.mib	Defines which throughput class encodings can be used to assign packet and window sizes. Some implementations of X.25 do not use the X.25 packet and window negotiation and rely on mapping the throughput class to these parameters.Default=noTcType(1).	INTEGER 1 = noTcType 2 = loNibble 3 = highNibble 4 = bothNibbles	
Type (RO)	ux25OperThclassType 1.3.6.1.4.1.429.1.10.7.1.9.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = noTcType 2 = loNibble 3 = highNibble 4 = bothNibbles	
Window Mapping	ux25AdmnThclassWinMap 1.3.6.1.4.1.429.1.10.2.1.10.slot*1000 + channel mandatory read-write in ux25.mib	The mapping between throughput class and a window parameter. Each number has a range of 1 to 127.Default=3.3.3.3.3.3.3.3.3.3.3.3.3.3.3	DisplayString SIZE(31...63)	
Window Mapping (RO)	ux25OperThclassWinMap 1.3.6.1.4.1.429.1.10.7.1.10.slot*1000 + channel mandatory read-only in ux25.mib	Null	DisplayString SIZE(31...63)	
Packet Mapping	ux25AdmnThclassPackMap 1.3.6.1.4.1.429.1.10.2.1.11.slot*1000 + channel mandatory read-write in ux25.mib	The mapping between the throughput class and a packet parameter. Each number has a range of 4 to 12.Default=7.7.7.7.7.7.7.7.7.7.7.7.7.7.7	DisplayString SIZE(31...47)	
Packet Mapping (RO)	ux25OperThclassPackMap 1.3.6.1.4.1.429.1.10.7.1.11.slot*1000 + channel mandatory read-only in ux25.mib	Null	DisplayString SIZE(31...47)	

PLP Closed User Groups

TCM Name	ASN.1 MIB	Description	Settings	Command
With Incoming and Outgoing Access	ux25AdmnSubCuglaoa 1.3.6.1.4.1.429.1.10.4.1.2.slot*1000 + channel mandatory read-write in ux25.mib	Specifies if this DTE subscribes to Closed User Groups with Incoming or Outgoing access.Default=enable(2).	INTEGER 1 = disable 2 = enable	
With Incoming and Outgoing Access (RO)	ux25OperSubCuglaoa 1.3.6.1.4.1.429.1.10.9.1.2.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Preferential	ux25AdmnSubCugPref 1.3.6.1.4.1.429.1.10.4.1.3.slot*1000 + channel mandatory read-write in ux25.mib	Specifies if this DTE subscribes to a Preferential Closed User Groups.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Preferential (RO)	ux25OperSubCugPref 1.3.6.1.4.1.429.1.10.9.1.3.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
With Outgoing Access	ux25AdmnSubCugoa 1.3.6.1.4.1.429.1.10.4.1.4.slot*1000 + channel mandatory read-write in ux25.mib	Specifies if this DTE subscribes to Closed User Groups with Outgoing access.Default=disable(1).	INTEGER 1 = disable 2 = enable	
With Outgoing Access (RO)	ux25OperSubCugoa 1.3.6.1.4.1.429.1.10.9.1.4.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
With Incoming Access	ux25AdmnSubCugia 1.3.6.1.4.1.429.1.10.4.1.5.slot*1000 + channel mandatory read-write in ux25.mib	Specifies whether or not this DTE subscribes to Closed User Groups with Incoming Access.Default=disable(1).	INTEGER 1 = disable 2 = enable	
With Incoming Access (RO)	ux25OperSubCugia 1.3.6.1.4.1.429.1.10.9.1.5.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Basic or Extended Format	ux25AdmnCugFormat 1.3.6.1.4.1.429.1.10.4.1.6.slot*1000 + channel mandatory read-write in ux25.mib	The maximum number of Closed User Groups that this DTE subscribes to. This will be one of two ranges: Basic (100 or fewer) or Extended (between 101 and 10000).Default=basic(1).	INTEGER 1 = basic 2 = extended	

TCM Name	ASN.1 MIB	Description	Settings	Command
Basic or Extended Format (RO)	ux25OperCugFormat 1.3.6.1.4.1.429.1.10.9.1.6.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = basic 2 = extended	
Reject Incoming Calls	ux25AdmnBarInCug 1.3.6.1.4.1.429.1.10.4.1.7.slot*1000 + channel mandatory read-write in ux25.mib	Provides the means to force rejection of any incoming calls carrying the Closed User Group optional facility (which is necessary in some networks such as DDN. When enabled such calls will be rejected otherwise incoming Closed User Group facilities are ignored.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Reject Incoming Calls (RO)	ux25OperBarInCug 1.3.6.1.4.1.429.1.10.9.1.7.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	

PLP Subscription Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Subscribe to Extended Call Packets	ux25AdmnSubExtended 1.3.6.1.4.1.429.1.10.4.1.8.slot*1000 + channel mandatory read-write in ux25.mib	Subscribe to extended call packets (Window and Packet size negotiation is permitted).Default=enable(2).	INTEGER 1 = disable 2 = enable	
Subscribe to Extended Call Packets (RO)	ux25OperSubExtended 1.3.6.1.4.1.429.1.10.9.1.8.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Bar Incoming Extended Call Packets	ux25AdmnBarExtended 1.3.6.1.4.1.429.1.10.4.1.9.slot*1000 + channel mandatory read-write in ux25.mib	Treat window and packet size negotiation in incoming packets as a procedure error.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Bar Incoming Extended Call Packets (RO)	ux25OperBarExtended 1.3.6.1.4.1.429.1.10.9.1.9.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Fast Select No Restriction	ux25AdmnSubFstSelNoRstrct 1.3.6.1.4.1.429.1.10.4.1.10.slot*1000 + channel mandatory read-write in ux25.mib	Subscribe to fast select with no restriction on response.Default=enable(2).	INTEGER 1 = disable 2 = enable	
Fast Select No Restriction (RO)	ux25OperSubFstSelNoRstrct 1.3.6.1.4.1.429.1.10.9.1.10.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Fast Select with Restriction	ux25AdmnSubFstSelWthRstrct 1.3.6.1.4.1.429.1.10.4.1.11.slot*1000 + channel mandatory read-write in ux25.mib	Subscribe to fast select with restriction on response.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Fast Select with Restriction (RO)	ux25OperSubFstSelWthRstrct 1.3.6.1.4.1.429.1.10.9.1.11.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Reverse Charging	ux25AdmnAccptRvsChrgng 1.3.6.1.4.1.429.1.10.4.1.12.slot*1000 + channel mandatory read-write in ux25.mib	Allow incoming calls to specify the reverse charging facility.Default=disable(1).	INTEGER 1 = disable 2 = enable	

TCM Name	ASN.1 MIB	Description	Settings	Command
Reverse Charging (RO)	ux25OperAccptRvsChrgng 1.3.6.1.4.1.429.1.10.9.1.12.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Local Charging Prevention	ux25AdmnSubLocChargePrevent 1.3.6.1.4.1.429.1.10.4.1.13.slot*1000 + channel mandatory read-write in ux25.mib	Subscribe to local charging prevention.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Local Charging Prevention (RO)	ux25OperSubLocChargePrevent 1.3.6.1.4.1.429.1.10.9.1.13.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Subscribe to TOA/NPI Address Format	ux25AdmnSubToaNpiFormat 1.3.6.1.4.1.429.1.10.4.1.14.slot*1000 + channel mandatory read-write in ux25.mib	Subscribe to TOA/NPI Address Format.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Subscribe to TOA/NPI Address Format (RO)	ux25OperSubToaNpiFormat 1.3.6.1.4.1.429.1.10.9.1.14.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Bar incoming TOA/NPI Address format	ux25AdmnBarToaNpiFormat 1.3.6.1.4.1.429.1.10.4.1.15.slot*1000 + channel mandatory read-write in ux25.mib	Bar incoming call set-up and clearing packets which use the TOA/NPI Address Format.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Bar incoming TOA/NPI Address format (RO)	ux25OperBarToaNpiFormat 1.3.6.1.4.1.429.1.10.9.1.15.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
NUI Override	ux25AdmnSubNuiOverride 1.3.6.1.4.1.429.1.10.4.1.16.slot*1000 + channel mandatory read-write in ux25.mib	Subscribe to NUI override.Deafult=disable(1).	INTEGER 1 = disable 2 = enable	
NUI Override (RO)	ux25OperSubNuiOverride 1.3.6.1.4.1.429.1.10.9.1.16.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Bar Incoming Calls	ux25AdmnBarInCall 1.3.6.1.4.1.429.1.10.4.1.17.slot*1000 + channel mandatory read-write in ux25.mib	Bar incoming calls.Default=disable(1).	INTEGER 1 = disable 2 = enable	

TCM Name	ASN.1 MIB	Description	Settings	Command
Bar Incoming Calls (RO)	ux25OperBarInCall 1.3.6.1.4.1.429.1.10.9.1.17.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Bar Outgoing Calls	ux25AdmnBarOutCall 1.3.6.1.4.1.429.1.10.4.1.18.slot*1000 + channel mandatory read-write in ux25.mib	Bar outgoing calls.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Bar Outgoing Calls (RO)	ux25OperBarOutCall 1.3.6.1.4.1.429.1.10.9.1.18.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	

PLP Localization Information

TCM Name	ASN.1 MIB	Description	Settings	Command
Allow Omission Of Diagnostic Byte	ux25AdmnAccNoDiagnostic 1.3.6.1.4.1.429.1.10.3.1.12.slot*1000 + channel mandatory read-write in ux25.mib	Allow the omission of the diagnostic byte in incoming RESTART CLEAR and RESET INDICATION packets.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Allow Omission Of Diagnostic Byte (RO)	ux25OperAccNoDiagnostic 1.3.6.1.4.1.429.1.10.8.1.12.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Use Diagnostic Packets	ux25AdmnUseDiagnosticPacket 1.3.6.1.4.1.429.1.10.3.1.13.slot*1000 + channel mandatory read-write in ux25.mib	Use diagnostic packets.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Use Diagnostic Packets (RO)	ux25OperUseDiagnosticPacket 1.3.6.1.4.1.429.1.10.8.1.13.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
ITU-T Clear Length Restriction	ux25AdmnItutClearLen 1.3.6.1.4.1.429.1.10.3.1.14.slot*1000 + channel mandatory read-write in ux25.mib	Restrict the length of a CLEAR INDICATION to 5 bytes and a CLEAR CONFIRM to 3 bytes.Default=disable(1).	INTEGER 1 = disable 2 = enable	
ITU-T Clear Length Restriction (RO)	ux25OperItutClearLen 1.3.6.1.4.1.429.1.10.8.1.14.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Allow Incoming Diagnostic Packets	ux25AdmnBarDiagnosticPacket 1.3.6.1.4.1.429.1.10.3.1.15.slot*1000 + channel mandatory read-write in ux25.mib	Bar diagnostic packets.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Allow Incoming Diagnostic Packets (RO)	ux25OperBarDiagnosticPacket 1.3.6.1.4.1.429.1.10.8.1.15.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Discard Diagnostic Packets on Non-Zero LCN	ux25AdmnDiscNzDiagnostic 1.3.6.1.4.1.429.1.10.3.1.16.slot*1000 + channel mandatory read-write in ux25.mib	Discard all diagnostic packets on a non-zero LCN.Default=disable(1).	INTEGER 1 = disable 2 = enable	

TCM Name	ASN.1 MIB	Description	Settings	Command
Discard Diagnostic Packets on Non-Zero LCN (RO)	ux25OperDiscNzDiagnostic 1.3.6.1.4.1.429.1.10.8.1.16.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Allow Hex Digits in DTE Address	ux25AdmnAcceptHexAdd 1.3.6.1.4.1.429.1.10.3.1.17.slot*1000 + channel mandatory read-write in ux25.mib	Allow DTE addresses to contain hexadecimal digits.Default=disable(1).	INTEGER 1 = disable 2 = enable	
Allow Hex Digits in DTE Address (RO)	ux25OperAcceptHexAdd 1.3.6.1.4.1.429.1.10.8.1.17.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Bar Non-Privileged Listen	ux25AdmnBarNonPrivilegeListen 1.3.6.1.4.1.429.1.10.3.1.18.slot*1000 + channel mandatory read-write in ux25.mib	Disallow a non-privileged user (i.e without superuser privilege) from listening for incoming calls.Default=enable(2).	INTEGER 1 = disable 2 = enable	
Bar Non-Privileged Listen (RO)	ux25OperBarNonPrivilegeListen 1.3.6.1.4.1.429.1.10.8.1.18.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
International Call Recognition	ux25AdmnIntlAddrRecognition 1.3.6.1.4.1.429.1.10.3.1.19.slot*1000 + channel mandatory read-write in ux25.mib	Determine whether outgoing international calls are to be accepted. The values and their interpretation are:1 - International calls are not distinguished.2 - The DNIC of the called DTE address is examined and compared to that held in the psdn_local members dnic1 and dnic2. A mismatch implies an international call.3 - International calls are distinguished by having a '1' prefix on the DTE address.4 - International calls are distinguished by having a '0' prefix on the DTE address.Default=notDistinguished(1).	INTEGER 1 = notDistinguished 2 = examineDnic 3 = prefix1 4 = prefix0	
International Call Recognition (RO)	ux25OperIntlAddrRecognition 1.3.6.1.4.1.429.1.10.8.1.19.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = notDistinguished 2 = examineDnic 3 = prefix1 4 = prefix0	
Data Network Identification Code	ux25AdmnDnic 1.3.6.1.4.1.429.1.10.3.1.20.slot*1000 + channel mandatory read-write in ux25.mib	This field contains the first four digits of DNIC and is only used when ux25AdmnIntlAddrRecognition is set to examineDnic(2). Note this field must contain exactly four BCD digits.Default=0000.	DisplayString SIZE(4...4)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Data Network Identification Code (RO)	ux25OperDnic 1.3.6.1.4.1.429.1.10.8.1.20.slot*1000 + channel mandatory read-only in ux25.mib	Null	DisplayString SIZE(4...4)	
International Call Priority	ux25AdmnIntlPrioritized 1.3.6.1.4.1.429.1.10.3.1.21.slot*1000 + channel mandatory read-write in ux25.mib	Determine whether some prioritizing method is to used for international calls and is used in conjuction with ux25AdmnPrtyEncodeCtrl and ux25AdmnPrtyPktForced value.Default=disable(1).	INTEGER 1 = disable 2 = enable	
International Call Priority (RO)	ux25OperIntlPrioritized 1.3.6.1.4.1.429.1.10.8.1.21.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = disable 2 = enable	
Priority Encode Control	ux25AdmnPrtyEncodeCtrl 1.3.6.1.4.1.429.1.10.3.1.22.slot*1000 + channel mandatory read-write in ux25.mib	Describes how the priority request is to be encoded for this PSDN.Default=x2588(1).	INTEGER 1 = x2588 2 = datapacPriority76 3 = datapacTraffic80	
Priority Encode Control (RO)	ux25OperPrtyEncodeCtrl 1.3.6.1.4.1.429.1.10.8.1.22.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = x2588 2 = datapacPriority76 3 = datapacTraffic80	
Priority Packet Forced Value	ux25AdmnPrtyPktForcedVal 1.3.6.1.4.1.429.1.10.3.1.23.slot*1000 + channel mandatory read-write in ux25.mib	If this entry is other than prioPktSz1(1) all priority call requests and incoming calls should have the associated packet size parameter forced to this value. Note that the actual packet size is 2 to the power of this parameter.Default=prioPktSz1(1).	INTEGER 1 = prioPktSz0 5 = prioPktSz4 6 = prioPktSz5 7 = prioPktSz6 8 = prioPktSz7 9 = prioPktSz8 10 = prioPktSz9 11 = prioPktSz10 12 = prioPktSz11 13 = prioPktSz12	

TCM Name	ASN.1 MIB	Description	Settings	Command
Priority Packet Forced Value (RO)	ux25OperPrtyPktForcedVal 1.3.6.1.4.1.429.1.10.8.1.23.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = prioPktSz0 5 = prioPktSz4 6 = prioPktSz5 7 = prioPktSz6 8 = prioPktSz7 9 = prioPktSz8 10 = prioPktSz9 11 = prioPktSz10 12 = prioPktSz11 13 = prioPktSz12	
Source Address Control	ux25AdmnSrcAddrCtrl 1.3.6.1.4.1.429.1.10.3.1.24.slot*1000 + channel mandatory read-write in ux25.mib	Provide a means to override or set the calling address in outgoing call requests for this PSDN.Default=noSaCntrl(1).	INTEGER 1 = noSaCntrl 2 = omitDte 3 = useLocal 4 = forceLocal	
Source Address Control (RO)	ux25OperSrcAddrCtrl 1.3.6.1.4.1.429.1.10.8.1.24.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = noSaCntrl 2 = omitDte 3 = useLocal 4 = forceLocal	

PLP D-Bit Control

TCM Name	ASN.1 MIB	Description	Settings	Command
D-Bit Accept In	ux25AdmnDbitInAccept 1.3.6.1.4.1.429.1.10.3.1.25.slot*1000 + channel mandatory read-write in ux25.mib	Defines the action to take when a Call Accept is received with the D-bit set and there is no local D-bit support.Default=clearCall(3).	INTEGER 1 = leaveDbit 2 = zeroDbit 3 = clearCall	
D-Bit Accept In (RO)	ux25OperDbitInAccept 1.3.6.1.4.1.429.1.10.8.1.25.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = leaveDbit 2 = zeroDbit 3 = clearCall	
D-Bit Accept Out	ux25AdmnDbitOutAccept 1.3.6.1.4.1.429.1.10.3.1.26.slot*1000 + channel mandatory read-write in ux25.mib	Defines the action to take when the remote user sends a Call Accept with the D-bit set when the local user did not request use of the D-bit.Default=clearCall(3).	INTEGER 1 = leaveDbit 2 = zeroDbit 3 = clearCall	
D-Bit Accept Out (RO)	ux25OperDbitOutAccept 1.3.6.1.4.1.429.1.10.8.1.26.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = leaveDbit 2 = zeroDbit 3 = clearCall	
D-Bit Data In	ux25AdmnDbitInData 1.3.6.1.4.1.429.1.10.3.1.27.slot*1000 + channel mandatory read-write in ux25.mib	Defines the action to take when a data packet is received with the D-bit set and the local user did not request use of the D-bit.Default=clearCall(3).	INTEGER 1 = leaveDbit 2 = zeroDbit 3 = clearCall	
D-Bit Data In (RO)	ux25OperDbitInData 1.3.6.1.4.1.429.1.10.8.1.27.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = leaveDbit 2 = zeroDbit 3 = clearCall	
D-Bit Data Out	ux25AdmnDbitOutData 1.3.6.1.4.1.429.1.10.3.1.28.slot*1000 + channel mandatory read-write in ux25.mib	Defines the action when the local user send a data packet with the D-bit set but the remote party has not indicated D-bit support.Default=clearCall(3).	INTEGER 1 = leaveDbit 2 = zeroDbit 3 = clearCall	
D-Bit Data Out (RO)	ux25OperDbitOutData 1.3.6.1.4.1.429.1.10.8.1.28.slot*1000 + channel mandatory read-only in ux25.mib	Null	INTEGER 1 = leaveDbit 2 = zeroDbit 3 = clearCall	

22 I-MODEM CARD-LEVEL PARAMETERS

This chapter describes the ISDN I-Modem card-level parameters applicable to NACs operating with these software applications:

- Dual-Sided Quad V.34 Analog
  - Quad-I Modem
- Dual-Sided Quad V.34 Analog/Digital
  - Quad-I Modem
- Dual-Sided Quad V.34 Digital
  - Quad-I Modem
  - Quad Analog V.34
  - Quad-I Modem
  - Quad Analog/Digital V.34
  - Quad-I Modem
  - Quad Digital V.34
  - Quad-I Modem

23 I-MODEM CHANNEL-LEVEL PARAMETERS

This chapter describes the ISDN I-Modem card-level parameters applicable to NACs operating with these software applications:

- Dual-Sided Quad V.34 Analog
  - Quad-I Modem
- Dual-Sided Quad V.34 Analog/Digital
  - Quad-I Modem
- Dual-Sided Quad V.34 Digital
  - Quad-I Modem
  - Quad Analog V.34
  - Quad-I Modem
  - Quad Analog/Digital V.34
  - Quad-I Modem
  - Quad Digital V.34
  - Quad-I Modem

Actions/Commands

Software Commands

Modem Channel Actions:

- No Command (NF)
- Software Reset (F)
- Save to NVRAM (NF)
- Restore from Default (NF)
- Restore from NVRAM (NF)
- Off Hook (NF)
- On Hook (NF)
- HW Flow Control Def. (NF)
- SW Flow Control Def. (NF)
- MNP10 Cellular Def. (NF)
- V.42 Cellular Mobile Def. (NF)
- V.42 Cellular Fixed Def. (NF)
- Hard Busy /AT Disable (NF)
- Soft Busy /AT Disable (NF)
- Restore Line/AT (NF)

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdMgtStationId	mdmCdMgtStationId 1.3.6.1.4.1.429.1.6.12.1.1.2 mandatory read-write in mdm.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
mdmCdReqId	mdmCdReqId 1.3.6.1.4.1.429.1.6.12.1.1.3 mandatory read-write in mdm.mib	This object contains the value of the request-id field in the SNMP PDU which invoked the most recent command or test on this modem. If the request-id is unknown or undefined this object contains the value zero.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdFunction	mdmCdFunction 1.3.6.1.4.1.429.1.6.12.1.1.4 mandatory read-write in mdm.mib	This object contains a value that describes the command that is being invoked.	INTEGER 1 = noCommand 2 = softwareReset 3 = storeToNvram 4 = restoreFromDflt 5 = restoreFromNvram 6 = offHook 7 = onHook 8 = sndTone 9 = rcvTone 10 = endTest 11 = rspndrTest105 12 = rspndrTest102 13 = lclAnlgLpbk 14 = lclDgtlLpbk 15 = rmtDgtlLpbk 16 = selfTest 17 = testRam 18 = testRom 19 = testNVRAM 20 = v54LclAnlgLpbk 21 = v54RmtDgtlLpbk 22 = idlePhoneLine 23 = loadHwFlowDflt 24 = loadSwFlowDflt 25 = loadMnp10CllulrDflt 26 = loadV42CllulrMblDflt 27 = loadV42CllulrFxdDflt 33 = hardBusyAtDisable 34 = softBusyAtDisable 35 = restoreLineAt	
mdmCdForce	mdmCdForce 1.3.6.1.4.1.429.1.6.12.1.1.5 mandatory read-write in mdm.mib	In certain cases the modem may be in a state where certain commands could adversely affect connectiuons. In such cases a command request with this object not present or set to noForce will result in a warning. If the operator elects to ignore such warnings this object can be set to force in a subsequent request to cause the command to be carried out regardless of the potetialy hazzerdous effect.	INTEGER 1 = force 2 = noForce	

TCM Name	ASN.1 MIB	Description	Settings	Command
mdmCdParam	mdmCdParam 1.3.6.1.4.1.429.1.6.12.1.1.6 mandatory read-write in mdm.mib	This object can contain parameters that are specific to the particualar command being issued.	OCTET STRING SIZE(0...24)	
mdmCdResult	mdmCdResult 1.3.6.1.4.1.429.1.6.12.1.1.7 mandatory read-only in mdm.mib	This object contains the result of the most recently requested command or test or the value none(1) if no commands have been requested since last reset.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
mdmCdCode	mdmCdCode 1.3.6.1.4.1.429.1.6.12.1.1.8 mandatory read-only in mdm.mib	The value of this object indicates a further description of what went wrong when a command fails.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 13 = notConnected 14 = connected 17 = onLine 20 = unsupportedCommand 22 = deviceDisabled 24 = deviceInTestMode 25 = testFailed 31 = deviceInSecurityMode 51 = noRTS 52 = noDTR 53 = wrongLoopbackSpeed 54 = noLoopbackInARQ 73 = pendingSoftwareDownload 89 = invalidFrequency 90 = noLoopCurrent 91 = noDialTone 92 = noLineDetected	

AutoResponse

AutoResponse Events

Modem Channel Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Reconfigure from NVRAM
- Reconfigure from Modem Factory Defaults
- Test Modem
- Test Analog NIC
- Test Analog Phone Line
- Restore Analog Phone Line
- Busy out DS0 - T1 Slot (N) Span (N) Channel (N)
- Restore DS0 - T1 Slot (N) Span (N) Channel (N)
- Modem Software Reset
- Terminate Connection
- Busy Out Analog Phone Line
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)
- Remove DS0 Slot(N) Span(N) Channel(N)
- Restore DS0 Slot(N) Span(N) Channel(N)
- BlockAnalog calls on DS0 Slot(N)Span(N)Channel(N)
- Block Digital calls on DS0 Slot(N)Span(N)Chann(N)
- Block All Calls on DS0 Slot(N)Span(N)Channel(N)
- Block No Calls on DS0 Slot (N) Span (N) Channel(N)
- Off Hook

TCM Name	ASN.1 MIB	Description	Settings	Command
Incoming Connection Established	mdmArIncomConnectEstab 1.3.6.1.4.1.429.1.6.16.1.1.2.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem establishes a connection with a remote modem. The remote modem is the caller.	OCTET STRING SIZE(0...40)	
Outgoing Connection Established	mdmArOutgoConnectEstab 1.3.6.1.4.1.429.1.6.16.1.1.3.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem establishes a connection with a remote modem. The Total Control WAN HUB modem is the caller.	OCTET STRING SIZE(0...40)	
Incoming Connection Terminated	mdmArIncomConnectTerm 1.3.6.1.4.1.429.1.6.16.1.1.4.slot*1000 + channel optional read-write in mdm.mib	This script is triggered after a remote modem has called a Total Control WAN HUB modem but the connection between them terminated for some reason.	OCTET STRING SIZE(0...40)	
Outgoing Connection Terminated	mdmArOutgoConnectTerm 1.3.6.1.4.1.429.1.6.16.1.1.5.slot*1000 + channel optional read-write in mdm.mib	This script is triggered after a Total Control WAN HUB modem called a remote modem but the connection between them terminated for some reason.	OCTET STRING SIZE(0...40)	
Connection Attempt Failed	mdmArConnectAttemptFail 1.3.6.1.4.1.429.1.6.16.1.1.6.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem fails to connect with a remote modem for an incoming or an outgoing call.	OCTET STRING SIZE(0...40)	
Connection Time Limit Expired	mdmArConnectTimeExpire 1.3.6.1.4.1.429.1.6.16.1.1.7.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a connection duration exceeds the user defined connection time limit.	OCTET STRING SIZE(0...40)	
Reset By DTE	mdmArResetByDte 1.3.6.1.4.1.429.1.6.16.1.1.8.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a modem has been reset by a DTE.	OCTET STRING SIZE(0...40)	
DTE Transmit Idle	mdmArDteXmitIdle 1.3.6.1.4.1.429.1.6.16.1.1.9.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a modem's DTE remains idle for specified amount of minutes that is defined by a user.	OCTET STRING SIZE(0...40)	
Block Error Count at Threshold	mdmArBlersAtThresh 1.3.6.1.4.1.429.1.6.16.1.1.10.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem receives a certain amount of block errors. This amount can be configured by a user.	OCTET STRING SIZE(0...40)	
Fallback Count at Threshold	mdmArFbacksAtThresh 1.3.6.1.4.1.429.1.6.16.1.1.11.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem reaches a certain amount of fall backs within a single session. This amount can be configured by a user.	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Out Login Failure	mdmArDialOutLoginFail 1.3.6.1.4.1.429.1.6.16.1.1.12.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial out from a Total Control WAN HUB modem that supports dial security enters an invalid response to a prompt.	OCTET STRING SIZE(0...40)	
Dial Out Restricted Number	mdmArDialOutRestrNum 1.3.6.1.4.1.429.1.6.16.1.1.13.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial out from a Total Control WAN HUB modem that supports dial security uses a restricted number.	OCTET STRING SIZE(0...40)	
Dial In Login Failure	mdmArDialInLoginFail 1.3.6.1.4.1.429.1.6.16.1.1.14.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial in from a remote modem in to a Total Control WAN HUB modem that supports dial security enters an invalid response to a prompt.	OCTET STRING SIZE(0...40)	
Dial Back Restricted Number	mdmArDialBackRestrNum 1.3.6.1.4.1.429.1.6.16.1.1.15.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial in from a remote modem in to a Total Control WAN HUB modem that supports dial security requests the Total Control WAN HUB modem to dial back to a restricted number.	OCTET STRING SIZE(0...40)	
Dial Back Using Restricted Modem	mdmArDialBackRestModem 1.3.6.1.4.1.429.1.6.16.1.1.16.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is attempting to dial in from a remote modem in to a Total Control WAN HUB modem that supports dial security requests the Total Control WAN HUB modem to dial back using a restricted Total Control WAN HUB modem.	OCTET STRING SIZE(0...40)	
Login Attempt Limit Exceeded	mdmArLoginAttemptsExceed 1.3.6.1.4.1.429.1.6.16.1.1.17.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is dialing in to or out of the Total Control WAN HUB modem exceeds the number of correct user name/password response attempts.	OCTET STRING SIZE(0...40)	
User Blacklisted	mdmArUserBlacklisted 1.3.6.1.4.1.429.1.6.16.1.1.18.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is dialing in to or out of the Total Control WAN HUB modem exceeds the number of password prompt retries. At this point the user becomes black listed.	OCTET STRING SIZE(0...40)	
Attempted Login by Blacklisted User	mdmArAttmpLoginByBlistUsr 1.3.6.1.4.1.429.1.6.16.1.1.19.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who has been black listed is trying to dial in to or out of a Total Control WAN HUB modem.	OCTET STRING SIZE(0...40)	
Response Attempt Limit Exceeded	mdmArRspAttemptLimExceed 1.3.6.1.4.1.429.1.6.16.1.1.20.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a user who is dialing in to or out of a Total Control WAN HUB modem exceeds the number of security prompt retries during a single dial security session.	OCTET STRING SIZE(0...40)	
Modem Watchdog Reset	mdmArWatchdog 1.3.6.1.4.1.429.1.6.16.1.1.21.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a software failure has occurred on a modem.	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Management Bus Failure	mdmArMgtBusFailure 1.3.6.1.4.1.429.1.6.16.1.1.22.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a contact with a modem via the management bus has been lost.	OCTET STRING SIZE(0...40)	
DTR True	mdmArDtrTrue 1.3.6.1.4.1.429.1.6.16.1.1.23.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a modem's DTE transitions it DTR line from low to high and holds it high for the specified number of seconds. This amount is user configurable.	OCTET STRING SIZE(0...40)	
DTR False	mdmArDtrFalse 1.3.6.1.4.1.429.1.6.16.1.1.24.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a modem's DTE transitions it DTR line from high to low and holds it low for the specified number of seconds. This amount is user configurable.	OCTET STRING SIZE(0...40)	
Modem Ring No Answer	mdmArMdmRingNoAnswer 1.3.6.1.4.1.429.1.6.16.1.1.25.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem configured for auto answer fails to answer an incoming call within a specified number of rings. This amount is user configurable.	OCTET STRING SIZE(0...40)	
DTE Ring No Answer	mdmArDteRingNoAnswer 1.3.6.1.4.1.429.1.6.16.1.1.26.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a DTE fials to raise DTR in response to an incoming call for a specified amount of rings. This amount is user configurable.	OCTET STRING SIZE(0...40)	
No Dial Tone	mdmArNoDialTone 1.3.6.1.4.1.429.1.6.16.1.1.27.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem goes off hook but detects an inadequate dial tone level on an analog phone line.	OCTET STRING SIZE(0...40)	
No Loop Current Detected	mdmArNoLoopCurrent 1.3.6.1.4.1.429.1.6.16.1.1.28.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a Total Control WAN HUB modem goes off hook but it does not detect the presence of loop current on an analog phone line.	OCTET STRING SIZE(0...40)	
Global Timer 1 Expired	mdmArTimer1 1.3.6.1.4.1.429.1.6.16.1.1.29.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when the first general purpose timer expires.	OCTET STRING SIZE(0...40)	
Global Timer 2 Expired	mdmArTimer2 1.3.6.1.4.1.429.1.6.16.1.1.30.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when the second general purpose timer expires.	OCTET STRING SIZE(0...40)	
Global Timer 3 Expired	mdmArTimer3 1.3.6.1.4.1.429.1.6.16.1.1.31.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when the third general purpose timer expires.	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Global Timer 4 Expired	mdmArTimer4 1.3.6.1.4.1.429.1.6.16.1.1.32.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when the fourth general purpose timer expires.	OCTET STRING SIZE(0...40)	
Packet Bus Active	mdmArPacketBusActive 1.3.6.1.4.1.429.1.6.16.1.1.33.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a packet bus active event is detected by the modem.	OCTET STRING SIZE(0...40)	
Packet Bus Lost	mdmArPacketBusLost 1.3.6.1.4.1.429.1.6.16.1.1.34.slot*1000 + channel optional read-write in mdm.mib	This script is triggered when a packet bus lost event is detected by the modem.	OCTET STRING SIZE(0...40)	

Faults

Trap Enables

TCM Name	ASN.1 MIB	Description	Settings	Command
On Incoming Call	mdmTeInConnEstablished 1.3.6.1.4.1.429.1.6.13.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Outgoing Call	mdmTeOutConnEstablished 1.3.6.1.4.1.429.1.6.13.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an outgoing connection establishment on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Incoming Termination	mdmTeInConnTerminated 1.3.6.1.4.1.429.1.6.13.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an incoming connection termination on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Outgoing Termination	mdmTeOutConnTerminated 1.3.6.1.4.1.429.1.6.13.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of an outgoing connection terminated on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Connection Failure	mdmTeConnAttemptFailure 1.3.6.1.4.1.429.1.6.13.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of a connection attemp failure on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Connection Timeout	mdmTeConnLimitExpired 1.3.6.1.4.1.429.1.6.13.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of the expiration of the connection time limit on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

TCM Name	ASN.1 MIB	Description	Settings	Command
On DTE Idle Timeout	mdmTeDteXmitDataIdle 1.3.6.1.4.1.429.1.6.13.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of DTE transmit data idle on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On DTR True	mdmTeDtrTrue 1.3.6.1.4.1.429.1.6.13.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of DTR going true on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On DTR False	mdmTeDtrFalse 1.3.6.1.4.1.429.1.6.13.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of DTR going false on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Block Error Count	mdmTeBlerCountAtThresh 1.3.6.1.4.1.429.1.6.13.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of the BLER count at the specified threshold on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Fallback Count	mdmTeFallbkCountAtThresh 1.3.6.1.4.1.429.1.6.13.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of the fallback count at the specified threshold on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Missing Dial Tone	mdmTeNoDialTone 1.3.6.1.4.1.429.1.6.13.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of no dial tone on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
On Missing Loop Current	mdmTeNoLoopCurrent 1.3.6.1.4.1.429.1.6.13.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of no loop current on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

TCM Name	ASN.1 MIB	Description	Settings	Command
On DTE Issued Reset	mdmTeResetByDTE 1.3.6.1.4.1.429.1.6.13.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of an SNMP trap upon detection of reset by DTE on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Dial Out Call Duration	mdmTeDialOutCallDur 1.3.6.1.4.1.429.1.6.13.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	Enables the dial out (from the NMC) call duration trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Dial In Call Duration	mdmTeDialInCallDur 1.3.6.1.4.1.429.1.6.13.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Enables the dial in (to the NMC) call duration trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
DTE Ring No Answer	mdmTeDteRingNoAns 1.3.6.1.4.1.429.1.6.13.1.1.20.slot*1000 + channel optional read-write in mdm.mib	Enables the Dte Ring No Answer trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Modem Event Thresholds

TCM Name	ASN.1 MIB	Description	Settings	Command
DTE Idle Timeout Limit (min)	mdmEtDteIdleThresh 1.3.6.1.4.1.429.1.6.11.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the length of time for the modem to wait before reporting a 'DTE transmit data idle' event. (There must be no activity on the DTE transmit line for the specified quantity of minutes.	INTEGER (0...255)	
Connection Timeout Limit (min.)	mdmEtConnTimeLimit 1.3.6.1.4.1.429.1.6.11.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of minutes that a call may be connected before triggering the 'connect timer limit' event. A value of zero for this limit means that no event is to be detected (ie. no time limit).	INTEGER (0...255)	
DTR False Event Timeout (sec)	mdmEtDtrFalseThresh 1.3.6.1.4.1.429.1.6.11.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Defines the quantity of seconds that will be used by the modem to qualify a 'DTR False' event.	INTEGER (0...255)	
DTR True Time Limit (sec)	mdmEtDtrTrueThresh 1.3.6.1.4.1.429.1.6.11.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Defines the quantity of seconds that the modem will use to qualify a 'DTR True' event.	INTEGER (0...255)	
Block Errors Limit	mdmEtBlerThresh 1.3.6.1.4.1.429.1.6.11.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of BLERs that will be used to qualify the 'BLER count at threshold' event for a given call.	INTEGER (0...255)	
Fallback Limit	mdmEtFallbackThresh 1.3.6.1.4.1.429.1.6.11.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of fallbacks at which the 'fallback count at threshold' event will be generated for a given call.	INTEGER (0...255)	

Packet Bus Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Active Trap	mdmTePbActive 1.3.6.1.4.1.429.1.6.13.1.1.18.slot*1000 + channel optional read-write in mdm.mib	Enables the Packet Bus Active. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Lost Trap	mdmTePbLost 1.3.6.1.4.1.429.1.6.13.1.1.19.slot*1000 + channel optional read-write in mdm.mib	Enables the Packet Bus Lost trap. Default = disable(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Clock Lost Trap	mdmTePbClockLossEvent 1.3.6.1.4.1.429.1.6.13.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to disable the ability for a NAC to report when the packet bus clock has been lost. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Packet Bus Clock Restored Trap	mdmTePbClockRestoreEvent 1.3.6.1.4.1.429.1.6.13.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to disable the ability for a NAC to report when the packet bus clock has been restored. Default = disableAll(2).	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Incoming Connections Failed	mdmTeInConnAttemptFail 1.3.6.1.4.1.429.1.6.13.1.1.23.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of a SNMP trap upon detection of an inbound connection attempt failure on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Outgoing Connections Failed	mdmTeOutConnAttemptFail 1.3.6.1.4.1.429.1.6.13.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Enables generation of a SNMP trap upon detection of an outbound connection attempt failure on the specified modem.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Remote Modem Traps

TCM Name	ASN.1 MIB	Description	Settings	Command
Retrain Trap	rmdmTeRetrainEv 1.3.6.1.4.1.429.1.20.4.1.1.2.slot*1000 + channel mandatory read-write in rmdm.mib	This object is used to enables/disable the ability for the NAC to report a RMMIE retrain event.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	
Speed Shift Trap	rmdmTeSpeedShiftEv 1.3.6.1.4.1.429.1.20.4.1.1.3.slot*1000 + channel mandatory read-write in rmdm.mib	This object is used to enables/disable the ability for the NAC to report a RMMIE speed shift event.	INTEGER 1 = enableTrap 2 = disableAll 3 = enableLog 4 = enableAll	

Performance

Call Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	
Last Dialed Phone Number	mdmCsLastNumberDialedOut 1.3.6.1.4.1.429.1.6.9.1.1.3.slot*1000 + channel mandatory read-only	An ASCII string which represents the last phone number dialed by the modem.	DisplayString SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
	in mdm.mib			
Last Number Dialed In (DNIS)	mdmCsLastNumberDialedIn 1.3.6.1.4.1.429.1.6.9.1.1.4.slot*1000 + channel mandatory read-only in mdm.mib	An ASCII string representing the last number dialed in(if known). This is the 950-xxx (DNIS) number.	DisplayString SIZE(0...40)	
Number of Last Caller (ANI)	mdmCsLastCallingPartyNum 1.3.6.1.4.1.429.1.6.9.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	An ASCII string representing the current or last party that called this modem. Only known in ANI applications.	DisplayString SIZE(0...40)	
Type of Last Call	mdmCsSyncAsyncModeUsed 1.3.6.1.4.1.429.1.6.9.1.1.15.slot*1000 + channel mandatory read-only in mdm.mib	Defines whether the current or last call was synchronous or asynchronous.	INTEGER 1 = asynchronous 2 = synchronous	
Mode of Last Call	mdmCsOriginateAnswer 1.3.6.1.4.1.429.1.6.9.1.1.6.slot*1000 + channel mandatory read-only in mdm.mib	Defines whether the last or current call was originated or answered.	INTEGER 1 = originateInOriginate 2 = originateInAnswer 3 = answerInOriginate 4 = answerInAnswer	
Number of Rings before DTR	mdmCsRings 1.3.6.1.4.1.429.1.6.9.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	Defines the quantity of rings detected before the DTE answered with DTR on the last incomming call.	INTEGER	
Reason for Call Termination	mdmCsDisconnectReason 1.3.6.1.4.1.429.1.6.9.1.1.8.slot*1000 + channel mandatory read-only in mdm.mib	Defines the reason that the last call was terminated.	INTEGER 1 = dtrDrop 2 = escapeSequence 3 = athCommand 4 = carrierLoss 5 = inactivityTimout 6 = mnpIncompatible 7 = undefined 8 = remotePassword 9 = linkPassword 10 = retransmitLimit 11 = linkDisconnectMsgReceived 12 = noLoopCurrent 13 = invalidSpeed 14 = unableToRetrain 15 = managementCommand 16 = noDialTone	

TCM Name	ASN.1 MIB	Description	Settings	Command
			17 = keyAbort 18 = lineBusy 19 = noAnswer 20 = voice 21 = noAnswerTone 22 = noCarrier 23 = undetermined 24 = v42SabmeTimeout 25 = v42BreakTimeout 26 = v42DisconnectCmd 27 = v42IdExchangeFail 28 = v42BadSetup 29 = v42InvalidCodeWord 30 = v42StringToLong 31 = v42InvalidCommand 32 = none 33 = v32Cleardown 34 = dialSecurity 35 = remoteAccessDenied 36 = loopLoss 37 = ds0Teardown 38 = promptNotEnabled 39 = noPromptingInSync 40 = nonArqMode 41 = modeIncompatible 42 = noPromptInNonARQ 43 = dialBackLink 44 = linkAbort 45 = autopassFailed 46 = pbGenericError 47 = pbLinkErrTxPreAck 48 = pbLinkErrTxTardyACK 49 = pbTransmitBusTimeout 50 = pbReceiveBusTimeout 51 = pbLinkErrTxTAL 52 = pbLinkErrRxTAL 53 = pbTransmitMasterTimeout 54 = pbClockMissing	

TCM Name	ASN.1 MIB	Description	Settings	Command
			55 = pbReceivedLsWhileLinkUp 56 = pbOutOfSequenceFrame 57 = pbBadFrame 58 = pbAckWaitTimeout 59 = pbReceivedAckSequenceErr 60 = pbReceiveOvrflwRNRFailed 61 = pbReceiveMsgBufOvrflw 62 = rcvdGatewayDiscCmd 63 = tokenPassingTimeout 64 = dspInterruptTimeout 65 = mnpProtocolViolation 66 = class2FaxHangupCmd 67 = hstSpeedSwitchTimeout 68 = tooManyUnacked 69 = timerExpired 70 = t1Glare 71 = priDialoutRqTimeout 72 = abortAnlgDstOvrlsdn 73 = normalUserCallClear 74 = normalUnspecified 75 = bearerIncompatibility 76 = protocolErrorEvent 77 = abnormalDisconnect 78 = invalidCauseValue 79 = resourceUnavailable 80 = remotHungUpDuringTraining 81 = trainingTimeout 82 = incomingModemNotAvailable 83 = incomingInvalidBearerCap 84 = incomingInvalidChannelID 85 = incomingInvalidProgInd 86 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
			incomingInvalidCallingPty 87 = incomingInvalidCalledPty 88 = incomingCallBlock 89 = incomingLoopStNoRingOff 90 = outgoingTelcoDisconnect 91 = outgoingEMWinkTimeout 92 = outgoingEMWinkTooShort 93 = outgoingNoChannelAvail 94 = dspReboot 95 = noDSPRespToKA 96 = noDSPRespToDisc 97 = dspTailPtrInvalid 98 = dspHeadPtrInvalid 99 = dataProcessingGenericErr 100 = timeslotUnavailable 101 = gmtTimeNotSet 102 = chasAwarenessNotAvailable 103 = r2InvalidChannelDirection 104 = r2ChannelBlockedByNetwork 105 = r2Glare 106 = r2OutgoingCallBlocked 107 = r2DNISNotFound 108 = r2SigCauseCongestion 109 = r2SigCauseUnallocNumber 110 = r2DSPFatalError 111 = callBlacklisted	
Reason for Call Failure	mdmCsConnectFailReason 1.3.6.1.4.1.429.1.6.9.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	Defines the reason for failure if indeed the last call attempt failed.	INTEGER 1 = dtrDrop 2 = escapeSequence 3 = athCommand 4 = carrierLoss 5 = inactivityTimout	

TCM Name	ASN.1 MIB	Description	Settings	Command
			6 = mnpIncompatible 7 = undefined 8 = remotePassword 9 = linkPassword 10 = retransmitLimit 11 = linkDisconnectMsgReceived 12 = noLoopCurrent 13 = invalidSpeed 14 = unableToRetrain 15 = managementCommand 16 = noDialTone 17 = keyAbort 18 = lineBusy 19 = noAnswer 20 = voice 21 = noAnswerTone 22 = noCarrier 23 = undetermined 24 = v42SabmeTimeout 25 = v42BreakTimeout 26 = v42DisconnectCmd 27 = v42IdExchangeFail 28 = v42BadSetup 29 = v42InvalidCodeWord 30 = v42StringToLong 31 = v42InvalidCommand 32 = none 33 = v32Cleardown 34 = dialSecurity 35 = remoteAccessDenied 36 = loopLoss 37 = ds0Teardown 38 = promptNotEnabled 39 = noPromptingInSync 40 = nonArqMode 41 = modeIncompatible 42 = noPromptInNonARQ 43 = dialBackLink	

TCM Name	ASN.1 MIB	Description	Settings	Command
			44 = linkAbort 45 = autopassFailed 46 = pbGenericError 47 = pbLinkErrTxPreAck 48 = pbLinkErrTxTardyACK 49 = pbTransmitBusTimeout 50 = pbReceiveBusTimeout 51 = pbLinkErrTxTAL 52 = pbLinkErrRxTAL 53 = pbTransmitMasterTimeout 54 = pbClockMissing 55 = pbReceivedLsWhileLinkUp 56 = pbOutOfSequenceFrame 57 = pbBadFrame 58 = pbAckWaitTimeout 59 = pbReceivedAckSequenceErr 60 = pbReceiveOvrflwRNRFailed 61 = pbReceiveMsgBufOvrflw 62 = rcvdGatewayDiscCmd 63 = tokenPassingTimeout 64 = dspInterruptTimeout 65 = mnpProtocolViolation 66 = class2FaxHangupCmd 67 = hstSpeedSwitchTimeout 68 = tooManyUnacked 69 = timerExpired 70 = t1Glare 71 = priDialoutRqTimeout 72 = abortAnlgDstOvrIsdn 73 = normalUserCallClear 74 = normalUnspecified 75 = bearerIncompatibility 76 = protocolErrorEvent 77 = abnormalDisconnect 78 = invalidCauseValue	

TCM Name	ASN.1 MIB	Description	Settings	Command
			79 = resourceUnavailable 80 = remotHungUpDuringTraining 81 = trainingTimeout 82 = incomingModemNotAvailable 83 = incomingInvalidBearerCap 84 = incomingInvalidChannelID 85 = incomingInvalidProgInd 86 = incomingInvalidCallingPty 87 = incomingInvalidCalledPty 88 = incomingCallBlock 89 = incomingLoopStNoRingOff 90 = outgoingTelcoDisconnect 91 = outgoingEMWinkTimeout 92 = outgoingEMWinkTooShort 93 = outgoingNoChannelAvail 94 = dspReboot 95 = noDSPRespToKA 96 = noDSPRespToDisc 97 = dspTailPtrInvalid 98 = dspHeadPtrInvalid 99 = dataProcessingGenericErr 100 = timeslotUnavailable 101 = gmtTimeNotSet 102 = chasAwarenessNotAvailable 103 = r2InvalidChannelDirection 104 = r2ChannelBlockedByNetwork 105 = r2Glare 106 = r2OutgoingCallBlocked	

TCM Name	ASN.1 MIB	Description	Settings	Command
			107 = r2DNISNotFound 108 = r2SigCauseCongestion 109 = r2SigCauseUnallocNumber 110 = r2DSPFatalError 111 = callBlacklisted	
Transmit speed the modem connected	mdmCsInitialTxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.10.slot*1000 + channel mandatory read-only in mdm.mib	The transmit speed at which the modem initialy connected on it's last or current call.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000	

TCM Name	ASN.1 MIB	Description	Settings	Command
			34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Receive speed the modem connected	mdmCslnitialRxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.11.slot*1000 + channel mandatory read-only in mdm.mib	The receive speed at which the modem initialy connected on it's previous or current call.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K	

TCM Name	ASN.1 MIB	Description	Settings	Command
			18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Current transmit link rate	mdmCsFinalTxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.12.slot*1000 + channel mandatory read-only	The current transmit link rate of a connection or the last link rate of the last connection.	INTEGER 1 = bps110 2 = bps300	

TCM Name	ASN.1 MIB	Description	Settings	Command
	in mdm.mib		3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000	

TCM Name	ASN.1 MIB	Description	Settings	Command
			43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Current receive link rate	mdmCsFinalRxLinkRate 1.3.6.1.4.1.429.1.6.9.1.1.13.slot*1000 + channel mandatory read-only in mdm.mib	The current receive link rate of a connection or the last link rate of the last connection.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000	

TCM Name	ASN.1 MIB	Description	Settings	Command
			28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Modulation Type Used	mdmCsModulationType 1.3.6.1.4.1.429.1.6.9.1.1.14.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the current/final modulation type of the current or last call. The value can be different from the object mdmCsInitModulationType only for X2/V.90 calls.	INTEGER 1 = usRoboticsHST 2 = ccittV32 3 = ccittV22bis 4 = bell103 5 = ccittV21 6 = bell212 7 = ccittV32bis 8 = ccittV23 9 = noConnection 10 = bell208b 11 = v21FaxClass1	

TCM Name	ASN.1 MIB	Description	Settings	Command
			12 = v27FaxClass1 13 = v29FaxClass1 14 = v17FaxClass1 15 = v21FaxClass2 16 = v27FaxClass2 17 = v29FaxClass2 18 = v17FaxClass2 19 = v32Terbo 20 = v34 21 = vFC 22 = v34plus 23 = x2server 24 = v110 25 = v120 26 = x75 27 = asyncSyncPPP 28 = clearChannel 29 = x2client 30 = x2symmetric 31 = piafs 32 = x2version2 33 = v90Analogue 34 = v90Digital 35 = v90AllDigital	
Error Control Type Used	mdmCsErrorControlType 1.3.6.1.4.1.429.1.6.9.1.1.16.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the Error control settings in the current or last call. (short form)	INTEGER 1 = none 2 = mnpLevel3 3 = mnpLevel4 4 = ccittV42 5 = usRoboticsHST 6 = synchronousNone 7 = mnpLevel2 8 = mnp10 9 = v42Etc 10 = mnp10Ec 11 = lapmEc 12 = v42Etc2 13 = ccittV42SREJ 14 = piafs	

TCM Name	ASN.1 MIB	Description	Settings	Command
			15 = v120 16 = x75	
Data Compression Used	mdmCsCompressionType 1.3.6.1.4.1.429.1.6.9.1.1.17.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the data compression used in the current or last call. (short format)	INTEGER 1 = none 2 = ccittV42bis 3 = mnpLevel5	
Equalization Type Used	mdmCsEqualizationType 1.3.6.1.4.1.429.1.6.9.1.1.18.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the equalization used in the current or last call.	INTEGER 1 = long 2 = short	
Line Fallback Negotiated	mdmCsFallbackEnabled 1.3.6.1.4.1.429.1.6.9.1.1.19.slot*1000 + channel mandatory read-only in mdm.mib	Specifies whether line speed fallbacks were negotiated on the current or previous call.	INTEGER 1 = disable 2 = enable	
Numbers of Characters Sent	mdmCsCharsSent 1.3.6.1.4.1.429.1.6.9.1.1.20.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters sent on the current or previous call.	INTEGER	
Number of Characters Received	mdmCsCharsReceived 1.3.6.1.4.1.429.1.6.9.1.1.21.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters received in the current or previous call.	INTEGER	
Number of Octets Sent	mdmCsOctetsSent 1.3.6.1.4.1.429.1.6.9.1.1.22.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of octets sent in the current or previous call.	INTEGER	
Number of Octets Received	mdmCsOctetsReceived 1.3.6.1.4.1.429.1.6.9.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of octets received in the current or previous call.	INTEGER	
Number of Blocks Sent	mdmCsBlocksSent 1.3.6.1.4.1.429.1.6.9.1.1.24.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of blocks sent in the current or previous call.	INTEGER	
Number of Received Blocks	mdmCsBlocksReceived 1.3.6.1.4.1.429.1.6.9.1.1.25.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of blocks received in the current or previous call.	INTEGER	
Number of Resent Blocks	mdmCsBlocksResent 1.3.6.1.4.1.429.1.6.9.1.1.26.slot*1000 + channel mandatory read-only	Specifies the number of blocks the modem has had to retransmit due to block errors or timeouts in the current or previous call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
	in mdm.mib			
Number of Retrains Requested	mdmCsRetrainsRequested 1.3.6.1.4.1.429.1.6.9.1.1.27.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of retrains requested in the current or previous call.	INTEGER	
Number of Retrains Granted	mdmCsRetrainsGranted 1.3.6.1.4.1.429.1.6.9.1.1.28.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of retrains granted in the current or previous call.	INTEGER	
HST Speed Reversals	mdmCsLineReversalQty 1.3.6.1.4.1.429.1.6.9.1.1.29.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of times the HST high and low speeds directions have been reversed in the current or previous call.	INTEGER	
Number of Characters Lost	mdmCsCharsLost 1.3.6.1.4.1.429.1.6.9.1.1.30.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of characters lost on the current or previous call. Not meaningful on synchronous calls.	INTEGER	
HST Back Channel Speed	mdmCsBackChannelRate 1.3.6.1.4.1.429.1.6.9.1.1.31.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the negotiated HST back channel speed on the current or previous call.	INTEGER 1 = bps450 2 = bps300 3 = none	
Link Block Errors	mdmCsBlerQty 1.3.6.1.4.1.429.1.6.9.1.1.32.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of block errors received on the link in the current or last call.	INTEGER	
Number of Link Protocol Timeouts	mdmCsLinkTimeoutQty 1.3.6.1.4.1.429.1.6.9.1.1.33.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of link protocol timeouts on the current or previous call.	INTEGER	
Number of Link Speed Fallbacks	mdmCsFallbackQty 1.3.6.1.4.1.429.1.6.9.1.1.34.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the quantity of link speed fallbacks that occured on the current or previous call.	INTEGER	
Number of Link Speed Upshifts	mdmCsUpshiftQty 1.3.6.1.4.1.429.1.6.9.1.1.35.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the number of link speed upshifts have occured in the current or previous call.	INTEGER	
Number of NAKS Sent	mdmCsLinkNakQty 1.3.6.1.4.1.429.1.6.9.1.1.36.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the quantity of negative acknowledgements sent in response to errored blocks received on the link in the current or previous call.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Gain Recalculation Count	mdmCsGainHitCount 1.3.6.1.4.1.429.1.6.9.1.1.37.slot*1000 + channel mandatory read-only in mdm.mib	The modem calculates the gain that is required to adjust the received signal to the ideal level. This defines the number of times that the gain was recalculated durring the current or previous call.	INTEGER	
State of DTEs EIA signals	mdmDiEiaLineStatus 1.3.6.1.4.1.429.1.6.5.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Provides a mechanism for the console to determine the current state of the DTE's EIA signals.	INTEGER (0...255)	
Last Dialed Security User	mdmCsSecurityUserName 1.3.6.1.4.1.429.1.6.9.1.1.38.slot*1000 + channel mandatory read-only in mdm.mib	The last dial security user that initiated the Call. This object is not saved to NVRAM.	DisplayString SIZE(0...8)	
Call Duration	mdmCsCallDuration 1.3.6.1.4.1.429.1.6.9.1.1.39.slot*1000 + channel mandatory read-only in mdm.mib	This is the length of the call in hh:mm:ss format. The maximum value reported will be 9999:59:59.	DisplayString SIZE(0...10)	
B Channel Used for the Call	mdmCsBChannelUsed 1.3.6.1.4.1.429.1.6.9.1.1.44.slot*1000 + channel mandatory read-only in mdm.mib	B Channel Used	INTEGER	
TDM Time Slot Used for the Call	mdmCsTDMTimeSlot 1.3.6.1.4.1.429.1.6.9.1.1.42.slot*1000 + channel mandatory read-only in mdm.mib	Time Division Multipexing Time Slot	INTEGER	
Call Reference Number	mdmCsCallRefNum 1.3.6.1.4.1.429.1.6.9.1.1.40.slot*1000 + channel mandatory read-only in mdm.mib	Call Reference Number	INTEGER	
Primary Card Slot	mdmCsPriCardSlot 1.3.6.1.4.1.429.1.6.9.1.1.41.slot*1000 + channel mandatory read-only in mdm.mib	Primary Card Slot	INTEGER	
Primary Card Span Line	mdmCsPriCardSpanLine 1.3.6.1.4.1.429.1.6.9.1.1.43.slot*1000 + channel mandatory read-only in mdm.mib	Primary Card Span Line	INTEGER	
Timing Offset in parts per million	mdmCsQTimingOffset 1.3.6.1.4.1.429.1.6.9.1.1.77.slot*1000 + channel mandatory read-only in mdm.mib	Timing Offset in parts per million.	INTEGER (0...65535)	
Carrier Offset in Hertz.	mdmCsQCarrierOffset 1.3.6.1.4.1.429.1.6.9.1.1.78.slot*1000 + channel	Carrier Offset in Hertz.	INTEGER (0...65535)	

TCM Name	ASN.1 MIB	Description	Settings	Command
	mandatory read-only in mdm.mib			
PCM Coding	mdmCsQCoding 1.3.6.1.4.1.429.1.6.9.1.1.80.slot*1000 + channel mandatory read-only in mdm.mib	PCM Coding mu/A law Default=mulaw.	INTEGER 1 = mulaw 2 = alaw	
Training Information	mdmCsTrainingInfo 1.3.6.1.4.1.429.1.6.9.1.1.81.slot*1000 + channel mandatory read-only in mdm.mib	Training Information	OCTET STRING SIZE(0...255)	
x2 Signature	mdmCsX2signature 1.3.6.1.4.1.429.1.6.9.1.1.82.slot*1000 + channel mandatory read-only in mdm.mib	X2 diagnostics information from modem in hex.	OCTET STRING SIZE(0...255)	
x2 Status	mdmCsX2Status 1.3.6.1.4.1.429.1.6.9.1.1.83.slot*1000 + channel mandatory read-only in mdm.mib	x2 status of modem.	INTEGER 1 = x2v90NotOperational 2 = x2Operational 3 = v8DisabledLocal 4 = x2DisabledLocal 5 = baud3200DisabledLocal 6 = speedLimitedLocal 7 = v8notDetectedFromRemote 8 = x2notDetectedFromRemote 9 = incompatibleX2Versions 10 = incompatibleX2Modes 11 = baud3200DisabledRemote 12 = excessiveHFAttenuation 13 = channelNoSymbolRate 14 = exitBeforeX2Connect 15 = v90Operational 16 = x2v90Operational 17 = v90DisabledLocal 18 = x2v90DisabledLocal 19 = v90SymRatesDisabledLcl 20 = v90NotDetectedFrmRemote 21 =	

TCM Name	ASN.1 MIB	Description	Settings	Command
			x2v90NotDetectedFrmRmt 22 = incompatibleV90Versions 23 = incompatibleV90Modes 24 = v90IncompactibleSymRate	
Digital PAD Attenuation (mDb)	mdmCsDigitalPadAttenuated 1.3.6.1.4.1.429.1.6.9.1.1.87.slot*1000 + channel mandatory read-only in mdm.mib	Attenuation of the digital pad in tenths of DB.	INTEGER (0...255)	
Initial Modulation Type	mdmCslnitModulationType 1.3.6.1.4.1.429.1.6.9.1.1.88.slot*1000 + channel mandatory read-only in mdm.mib	Specifies the modulation type of the current or last call. The value can be different from the object mdmCsModulationType only for X2/V.90 calls.	INTEGER 1 = usRoboticsHST 2 = ccittV32 3 = ccittV22bis 4 = bell103 5 = ccittV21 6 = bell212 7 = ccittV32bis 8 = ccittV23 9 = noConnection 10 = bell208b 11 = v21FaxClass1 12 = v27FaxClass1 13 = v29FaxClass1 14 = v17FaxClass1 15 = v21FaxClass2 16 = v27FaxClass2 17 = v29FaxClass2 18 = v17FaxClass2 19 = v32Terbo 20 = v34 21 = vFC 22 = v34plus 23 = x2server 24 = v110 25 = v120 26 = x75 27 = asyncSyncPPP 28 = clearChannel 29 = x2client	

TCM Name	ASN.1 MIB	Description	Settings	Command
			30 = x2symmetric 31 = piafs 32 = x2version2 33 = v90Analogue 34 = v90Digital 35 = v90AllDigital	
Collected DTMF Digits	mdmCsCollectedDTMFDigits 1.3.6.1.4.1.429.1.6.9.1.1.93.slot*1000 + channel mandatory read-only in mdm.mib	This object is an ASCII array of the DTMF digits collected from the client.	OCTET STRING SIZE(0...64)	

Modem Events

TCM Name	ASN.1 MIB	Description	Settings	Command
Watchdog Timer Resets	mdmEvWatchdogTimouts 1.3.6.1.4.1.429.1.6.10.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Quantity of times that a watchdog timeout has been detected for this modem.	Counter	
DTE Idle Timeouts	mdmEvDteIdleTimouts 1.3.6.1.4.1.429.1.6.10.1.1.3.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has had no DTE activity for the time specified by mdmEtDteIdleThresh.	Counter	
Incoming Connections Established	mdmEvInConnectEstabs 1.3.6.1.4.1.429.1.6.10.1.1.4.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has reported a incomming connection established event.	Counter	
Outgoing Connections Established	mdmEvOutConnectEstabs 1.3.6.1.4.1.429.1.6.10.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has reported an outgoing connection established event.	Counter	
Incoming Connections Terminated	mdmEvInConnectTerms 1.3.6.1.4.1.429.1.6.10.1.1.6.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported an incomming connection terminated event.	Counter	
Outgoing Connections Terminated	mdmEvOutConnectTerms 1.3.6.1.4.1.429.1.6.10.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported an outgoing connection termination event.	Counter	
Connect Attempt Failure	mdmEvConnectAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.8.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a connect attempt failure event. This does not include those connect attempt failures that are reported due to no dial tone and no loop current.	Counter	
Connect Timeout	mdmEvConnectTimouts 1.3.6.1.4.1.429.1.6.10.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the NMC has detected a call that has has a duration in excess of the threshold defined in mdmEtConnectThresh.	Counter	
Management Bus Failure	mdmEvMgmtBusFailures 1.3.6.1.4.1.429.1.6.10.1.1.10.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the NMC has been unable to get a response from the modem to requests on the management bus.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Resets by DTE	mdmEvResetByDtes 1.3.6.1.4.1.429.1.6.10.1.1.11.slot*1000 + channel mandatory read-only in mdm.mib	The number of times that the modem has been reset by the DTE via the ATZ command or by DTR drop.	Counter	
DTR Falses	mdmEvDtrFalses 1.3.6.1.4.1.429.1.6.10.1.1.12.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported DTR False events. The DTR false event timeout is based on mdmEtDtrFalseThresh.	Counter	
DTR Trues	mdmEvDtrTrues 1.3.6.1.4.1.429.1.6.10.1.1.13.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported DTR True events. The modem reports these events to the NMC based on the value of mdmEtDtrTrueTresh.	Counter	
Number of No tones	mdmEvNoTones 1.3.6.1.4.1.429.1.6.10.1.1.14.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported no tones.	Counter	
Number of No loops	mdmEvNoLoops 1.3.6.1.4.1.429.1.6.10.1.1.15.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported no loop current events.	Counter	
Number of BLERs	mdmEvBlers 1.3.6.1.4.1.429.1.6.10.1.1.16.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported BLERs.	Counter	
Number of fall backs	mdmEvFallBacks 1.3.6.1.4.1.429.1.6.10.1.1.17.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem reported fall backs.	Counter	
Incoming Calls Total Connect Time (sec.)	mdmEvInConnectTime 1.3.6.1.4.1.429.1.6.10.1.1.18.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for inbound call connect time.	Counter	
Incoming Calls Total Bytes Received	mdmEvInTotalBytesRx 1.3.6.1.4.1.429.1.6.10.1.1.19.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes received on inbound calls.	Counter	
Incoming Calls Total Bytes Transmitted	mdmEvInTotalBytesTx 1.3.6.1.4.1.429.1.6.10.1.1.20.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes transmitted on inbound calls.	Counter	

TCM Name	ASN.1 MIB	Description	Settings	Command
Outgoing Calls Total Connect Time (sec.)	mdmEvOutConnectTime 1.3.6.1.4.1.429.1.6.10.1.1.21.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for outbound call connect time.	Counter	
Outgoing Calls Total Bytes Received	mdmEvOutTotalBytesRx 1.3.6.1.4.1.429.1.6.10.1.1.22.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes received on outbound calls.	Counter	
Outgoing Calls Total Bytes Transmitted	mdmEvOutTotalBytesTx 1.3.6.1.4.1.429.1.6.10.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Cumulative counter for number of bytes transmitted on outbound calls.	Counter	
Incoming Connections Failed	mdmEvInConnAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.24.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a inbound connect attempt failure event. This does not include those connect attempt failues that are reported due to no dial time and no loop current.	Counter	
Outgoing Connections Failed	mdmEvOutConnAttemptFails 1.3.6.1.4.1.429.1.6.10.1.1.25.slot*1000 + channel mandatory read-only in mdm.mib	The number of times the modem has reported a outbound connect attempt failure event. This does not include those connect attempt failures that are reported due to no dial tone and no loop current.	Counter	

Modem Packet Bus Events

TCM Name	ASN.1 MIB	Description	Settings	Command
Packet Bus Clock Status	mdmStsPbClock 1.3.6.1.4.1.429.1.6.18.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	This object defines the current status of the packet bus clock.	INTEGER 1 = notSupported 2 = clockMaster 3 = clockSlave 4 = noClockPresent	

Analog Statistics

TCM Name	ASN.1 MIB	Description	Settings	Command
Transmit carrier frequency (Hz)	mdmCsQCarrFreqTx 1.3.6.1.4.1.429.1.6.9.1.1.45.slot*1000 + channel mandatory read-only in mdm.mib	Transmit carrier value (Hz).	INTEGER (0...65535)	
Receive carrier frequency (Hz)	mdmCsQCarrFreqRx 1.3.6.1.4.1.429.1.6.9.1.1.46.slot*1000 + channel mandatory read-only in mdm.mib	Receive carrier value (Hz).	INTEGER (0...65535)	
Transmit symbol rate	mdmCsQSymRateTx 1.3.6.1.4.1.429.1.6.9.1.1.47.slot*1000 + channel mandatory read-only in mdm.mib	Transmit symbol rate.	INTEGER (0...65535)	
Receive symbol rate	mdmCsQSymRateRx 1.3.6.1.4.1.429.1.6.9.1.1.48.slot*1000 + channel mandatory read-only in mdm.mib	Receive symbol rate.	INTEGER (0...65535)	
Transmit Trellis rate	mdmCsQTrellisTx 1.3.6.1.4.1.429.1.6.9.1.1.49.slot*1000 + channel mandatory read-only in mdm.mib	Transmit Trellis coding.	INTEGER 1 = trellis8S-2D 2 = trellis16S-4D 3 = trellis32S-2D 4 = trellis64S-4D	
Receive Trellis rate	mdmCsQTrellisRx 1.3.6.1.4.1.429.1.6.9.1.1.50.slot*1000 + channel mandatory read-only in mdm.mib	Receive Trellis coding.	INTEGER 1 = trellis8S-2D 2 = trellis16S-4D 3 = trellis32S-2D 4 = trellis64S-4D	
Transmit non-linear coding status	mdmCsQNonLinCdTx 1.3.6.1.4.1.429.1.6.9.1.1.51.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit non-linear coding.	INTEGER 1 = off 2 = on	
Receive non-linear coding status	mdmCsQNonLinCdRx 1.3.6.1.4.1.429.1.6.9.1.1.52.slot*1000 + channel mandatory read-only in mdm.mib	Status of receive non-linear coding.	INTEGER 1 = off 2 = on	

TCM Name	ASN.1 MIB	Description	Settings	Command
Transmit Precoding status	mdmCsQPrecodingTx 1.3.6.1.4.1.429.1.6.9.1.1.53.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit precoding.	INTEGER 1 = off 2 = on	
Receive Precoding status	mdmCsQPrecodingRx 1.3.6.1.4.1.429.1.6.9.1.1.54.slot*1000 + channel mandatory read-only in mdm.mib	Status of receive precoding.	INTEGER 1 = off 2 = on	
Receive shaping status	mdmCsQShapingTx 1.3.6.1.4.1.429.1.6.9.1.1.55.slot*1000 + channel mandatory read-only in mdm.mib	Status of transmit shaping.	INTEGER 1 = off 2 = on	
Transmit shaping status	mdmCsQShapingRx 1.3.6.1.4.1.429.1.6.9.1.1.56.slot*1000 + channel mandatory read-only in mdm.mib	Status of receive shaping.	INTEGER 1 = off 2 = on	
Amount of pre-emphasis on TX	mdmCsQPreemphTx 1.3.6.1.4.1.429.1.6.9.1.1.57.slot*1000 + channel mandatory read-only in mdm.mib	Transmit pre-emphasis (-dBm).	INTEGER (0...65535)	
Amount of pre-emphasis on RX	mdmCsQPreemphRx 1.3.6.1.4.1.429.1.6.9.1.1.58.slot*1000 + channel mandatory read-only in mdm.mib	Receive pre-emphasis (-dBm).	INTEGER (0...65535)	
Receive Level	mdmCsQRxLevel 1.3.6.1.4.1.429.1.6.9.1.1.59.slot*1000 + channel mandatory read-only in mdm.mib	Receive level (X 10) (-dBm).	INTEGER	
Transmit Level	mdmCsQTxLevel 1.3.6.1.4.1.429.1.6.9.1.1.60.slot*1000 + channel mandatory read-only in mdm.mib	Transmit level (X 10) (-dBm).	INTEGER	
Signal to Noise ratio	mdmCsQSNR 1.3.6.1.4.1.429.1.6.9.1.1.61.slot*1000 + channel mandatory read-only in mdm.mib	Signal to noise (x 10) (dB).	INTEGER	
Near echo level	mdmCsQNearEcho 1.3.6.1.4.1.429.1.6.9.1.1.62.slot*1000 + channel mandatory read-only in mdm.mib	Near echo (x 10) (dB).	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Far echo level	mdmCsQFarEcho 1.3.6.1.4.1.429.1.6.9.1.1.63.slot*1000 + channel mandatory read-only in mdm.mib	Far echo (x 10) (dB).	INTEGER	
Round trip delay time	mdmCsQRndTripDly 1.3.6.1.4.1.429.1.6.9.1.1.64.slot*1000 + channel mandatory read-only in mdm.mib	Round trip delay (msec).	INTEGER (0...65535)	

DTE's EIA Signals

TCM Name	ASN.1 MIB	Description	Settings	Command
Ring Indicate	mdmDiEiaLineStatus 1.3.6.1.4.1.429.1.6.5.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Provides a mechanism for the console to determine the current state of the DTE's EIA signals. **Bit Mask:** 0x20	INTEGER (0...255) 0 = Low 1 = High	

Frequency and Probe Level

TCM Name	ASN.1 MIB	Description	Settings	Command
Frequency 1050 (x 0.1 db)	mdmCsLevelProbeData 1.3.6.1.4.1.429.1.6.9.1.1.76.slot*1000 + channel mandatory read-only in mdm.mib	Probe level. **Index:** 6	OCTET STRING SIZE(0...30)	

DTE Interface Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
DTE Interface Source	mdmDiSrc 1.3.6.1.4.1.429.1.6.5.1.1.33.slot*1000 + channel optional read-write in mdm.mib	Specifies either NIC or Packet Bus as the source for the DTE interface.	INTEGER 1 = nic 2 = packetBus	

Remote Modem Management

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Status	rmdmCsStatus 1.3.6.1.4.1.429.1.20.2.1.1.2.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the Status Of RMMIE.	INTEGER 1 = notEnabledInLocalModem 2 = notDetectedInRemoteModem 3 = ok	
Number of Received Updates	rmdmCsNumOfUpdates 1.3.6.1.4.1.429.1.20.2.1.1.3.slot*1000 + channel mandatory read-only in rmdm.mib	This is object indicates the number of received RMMIE updates from the remote modem.	INTEGER	
Time Since Last Update (sec)	rmdmCsLastUpdateTime 1.3.6.1.4.1.429.1.20.2.1.1.4.slot*1000 + channel mandatory read-only in rmdm.mib	This is object indicates the number of seconds the last RMMIE update occured from the remote modem.	INTEGER	
Last Update Event	rmdmCsLastUpdateEvent 1.3.6.1.4.1.429.1.20.2.1.1.5.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the Type of event that caused the last RMMIE update.	INTEGER 1 = none 2 = initialConnection 3 = retrain 4 = speedShift 5 = plannedDisconnect	
Total Power Level (dBm)	rmdmCsRcvTotPwrLvl 1.3.6.1.4.1.429.1.20.2.1.1.6.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the total power level of the signal received by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level at 3300 Hz (dBm)	rmdmCsRcvPwrLvl3300Hz 1.3.6.1.4.1.429.1.20.2.1.1.7.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level at 3300 Hz of the signal received by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level at 3750 Hz (dBm)	rmdmCsRcvPwrLvl3750Hz 1.3.6.1.4.1.429.1.20.2.1.1.8.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level at 3750 Hz of the signal received by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level of Canceled Near Echo (dBm)	rmdmCsPwrLvlNearEchoCanc 1.3.6.1.4.1.429.1.20.2.1.1.9.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level of the near echo canceled by the remote modem in negative tenths of a dBm.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
Power Level of Canceled Far Echo (dBm)	rmdmCsPwrLvlFarEchoCanc 1.3.6.1.4.1.429.1.20.2.1.1.10.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level of the far echo canceled by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level of Noise (dBm)	rmdmCsPwrLvlNoiseRx 1.3.6.1.4.1.429.1.20.2.1.1.11.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level of the noise received by the remote modem in negative tenths of a dBm.	INTEGER	
Power Level of Tx (dBm)	rmdmCsPwrLvlSignalTx 1.3.6.1.4.1.429.1.20.2.1.1.12.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the power level of the signal transmitted by the remote modem in negative tenths of a dBm.	INTEGER	
x2 Status	rmdmCsX2Status 1.3.6.1.4.1.429.1.20.2.1.1.13.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the status of x2 in the remote modem.	INTEGER 1 = x2v90notOperational 2 = x2operational 3 = v8Disabled 4 = x2Disabled 5 = remote3200Disabled 6 = invalidSpeedSetting 7 = v8NotDetected 8 = x2NotDetected 9 = incompatibleX2Version 10 = incompatibleX2Modes 11 = local3200Disabled 12 = excessHighFrequencyAtten 13 = connectNotSupport3200 14 = retrainBeforeConnection 15 = v90Operational 16 = x2v90Operational 17 = v90Disabled 18 = x2v90Disabled 19 = v90SymRatesDisabled 20 = v90NotDetected 21 = x2v90NotDetected 22 = incompatibleV90Versions 23 = incompatibleV90Modes 24 = v90IncompatibleSymRate	

TCM Name	ASN.1 MIB	Description	Settings	Command
Disconnect Reason	rmdmCsDisconnectReason 1.3.6.1.4.1.429.1.20.2.1.1.14.slot*1000 + channel mandatory read-only in rmdm.mib	This object indicates the reason the remote modem is disconnecting.	INTEGER 1 = none 2 = dteNotReady 3 = dteInterfaceError 4 = dteRequest 5 = escapeToOnlineCommandMode 6 = athCommand 7 = inactivityTimeout 8 = arqProtocolError 9 = arqProtocolRetransmitLim 10 = invalidComprDataCodeword 11 = invalidComprDataStringLen 12 = invalidComprDataCommand	

Min/Max Speed per Session

TCM Name	ASN.1 MIB	Description	Settings	Command
Rx Minimum Speed	mdmCsRxMinSpeed 1.3.6.1.4.1.429.1.6.9.1.1.89.slot*1000 + channel mandatory read-only in mdm.mib	Current/Last Session MIN Rx Speed.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666	

TCM Name	ASN.1 MIB	Description	Settings	Command
			36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Rx Maximum Speed	mdmCsRxMaxSpeed 1.3.6.1.4.1.429.1.6.9.1.1.90.slot*1000 + channel mandatory read-only in mdm.mib	Current/Last Session MAX Rx Speed.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K	

TCM Name	ASN.1 MIB	Description	Settings	Command
			20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Tx Minimum Speed	mdmCsTxMinSpeed 1.3.6.1.4.1.429.1.6.9.1.1.91.slot*1000 + channel mandatory read-only in mdm.mib	Current/Last Session MIN Tx Speed.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200	

TCM Name	ASN.1 MIB	Description	Settings	Command
			5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666 30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666	

TCM Name	ASN.1 MIB	Description	Settings	Command
			45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	
Tx Maximum Speed	mdmCsTxMaxSpeed 1.3.6.1.4.1.429.1.6.9.1.1.92.slot*1000 + channel mandatory read-only in mdm.mib	Current/Last Session MAX Tx Speed.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 7 = bps7200 8 = bps9600 9 = bps12K 10 = bps14K 11 = bps16K 12 = bps19K 13 = bps38K 14 = bps75 15 = bps450 16 = unknown 17 = bps57K 18 = bps21K 19 = bps24K 20 = bps26K 21 = bps28K 23 = bps31K 24 = bps33K 25 = bps25333 26 = bps26666 27 = bps28000 28 = bps29333 29 = bps30666	

TCM Name	ASN.1 MIB	Description	Settings	Command
			30 = bps32000 31 = bps33333 32 = bps34666 33 = bps36000 34 = bps37333 35 = bps38666 36 = bps40000 37 = bps41333 38 = bps42666 39 = bps44000 40 = bps45333 41 = bps46666 42 = bps48000 43 = bps49333 44 = bps50666 45 = bps52000 46 = bps53333 47 = bps54666 48 = bps56000 49 = bps57333 50 = bps58666 51 = bps60000 52 = bps61333 53 = bps62666 54 = bps64000	

Programmed Settings

Modem Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Modem Model	mdmIDModel 1.3.6.1.4.1.429.1.6.1.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Defines the model (ie. V.23 HST etc.) of the modem represented by this row in the table.	INTEGER 1 = unknown 2 = v32bisDualStandard 3 = hst 4 = v32bis 11 = v32terboDualStandard 12 = v32terbo 13 = v32terboFax 14 = v34DualStandard 15 = v34 16 = v34Fax 30 = v34FaxISDN 31 = x2 32 = hdm24Channel 33 = hdm30Channel 39 = cdma	
Serial Number	mdmIDHardwareSerNum 1.3.6.1.4.1.429.1.6.1.1.1.4.slot*1000 + channel mandatory read-only in mdm.mib	The modem's hardware serial number as stored in EEPROM.	DisplayString SIZE(0...16)	
Hardware Revision	mdmIDHardwareRev 1.3.6.1.4.1.429.1.6.1.1.1.5.slot*1000 + channel mandatory read-only in mdm.mib	The hardware revision of the modem as stored in the modem's EEPROM.	DisplayString SIZE(0...11)	
Supervisor Software Revision	mdmIDSupervisorSwRev 1.3.6.1.4.1.429.1.6.1.1.1.6.slot*1000 + channel mandatory read-only in mdm.mib	The revision of the software being executed by the modem's supervisor processor.	DisplayString SIZE(0...11)	
Data Pump Software Revision	mdmIDDataPumpSwRev 1.3.6.1.4.1.429.1.6.1.1.1.7.slot*1000 + channel mandatory read-only in mdm.mib	The revision of software being executed by the modem's data pump processor.	DisplayString SIZE(0...11)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Operational Status	mdmCsStatus 1.3.6.1.4.1.429.1.6.9.1.1.2.slot*1000 + channel mandatory read-only in mdm.mib	Current status of a modem including presence(idle) availability(disabled) and call progress states.	INTEGER 1 = idle 2 = offHook 3 = dialing 4 = ringing 5 = ringRcvd 6 = linkNegotiation 7 = onlineOriginate 8 = onlineAnswer 9 = localCommandMode 10 = remoteCommandMode 11 = lineBusiedOut 12 = toneTest 13 = responderTest105 14 = responderTest102 33 = failed 49 = testingRom 50 = testingRam 51 = testingNvram 52 = analogLoopback 53 = localDigitalLoopback 54 = remoteDigitalLoopback 55 = selfTest 56 = phoneTest 57 = nonManagedDevice 58 = slotEmpty 59 = modemDisabled 60 = notResponding 61 = nonManagableDevice 62 = miuFailed	

TCM Name	ASN.1 MIB	Description	Settings	Command
Country of Operation	mdmIDCountry 1.3.6.1.4.1.429.1.6.1.1.1.3.slot*1000 + channel mandatory read-only in mdm.mib	This object identifies the country or countries that this modem is designed for use in.	INTEGER 1 = unknown 2 = northamerica 3 = japan 4 = finland 5 = sweden 6 = uk 7 = norway 8 = switzerland 9 = netherlands 10 = southAfrica 11 = italy 12 = newZealand 13 = czech 14 = belgium 15 = denmark 16 = australia 17 = france 18 = germany 19 = ccitt 20 = austria 21 = ireland 22 = spain 23 = portugal 24 = malaysia	
Data Set Ready	mdmDiEiaLineStatus 1.3.6.1.4.1.429.1.6.5.1.1.23.slot*1000 + channel mandatory read-only in mdm.mib	Provides a mechanism for the console to determine the current state of the DTE's EIA signals. **Bit Mask:** 0x10	INTEGER (0...255) 0 = Low 1 = High	
DIP Switch Settings	uchasSlotSwitchSettings 1.3.6.1.4.1.429.1.1.1.1.1.11.slot mandatory read-only in chs.mib	This represents the DIP switch settings on the NAC. It is a bitmapped integer.	INTEGER	
DRAM Installed (KB)	uchasSlotRamInstalled 1.3.6.1.4.1.429.1.1.1.1.1.12.slot mandatory read-only in chs.mib	This represents the amount of DRAM memory installed on the NAC in Kbytes.	INTEGER	

TCM Name	ASN.1 MIB	Description	Settings	Command
ROM Installed (KB)	uchasSlotFlashInstalled 1.3.6.1.4.1.429.1.1.1.1.1.13.slot mandatory read-only in chs.mib	This represents the amount of flash ROM memory installed on the NAC in Kbytes.	INTEGER	
Supervisor Software Date	mdmIDSupervisorDate 1.3.6.1.4.1.429.1.6.1.1.1.9.slot*1000 + channel mandatory read-only in mdm.mib	The supervisor build date.	DisplayString SIZE(0...8)	

Line Interface Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Pause Delay (sec) (S8)	mdmLiDialPause 1.3.6.1.4.1.429.1.6.2.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in seconds for the pause(') option in the dial command and the pause between command re-executions(> and A>) Default = 2. Equates to the modem's S8 register.	INTEGER (0...255)	S8
Carrier Detect Delay (* .1 sec) (S9)	mdmLiCarrierRecDelay 1.3.6.1.4.1.429.1.6.2.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10ths of a second that the remote modem's carrier signal must be present before recognition. Ignored at speeds above 2400. Equates to the modem's S9 register. Default=6.	INTEGER (0...255)	S9
Carrier Loss Detect Delay (* .1 sec) (S10)	mdmLiCarrierLoss 1.3.6.1.4.1.429.1.6.2.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10ths of a second the modem waits after loss of carrier before hanging up. This allows the modem to distinguish between a momentary lapse in line quality and a true disconnect. When equal to 255 the modem will remain off hook until DTR drops or an ATH command is recieved. Equates to the modem's S10 register. Default=7.	INTEGER (0...255)	S10
Tone Dial Spacing (ms) (S11)	mdmLiToneDialTiming 1.3.6.1.4.1.429.1.6.2.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Duration and spacing in milliseconds of dialed Touch Tones. Equates to the modem's S10 register. Default=70.	INTEGER (0...255)	S11
RX Delay after CD (* .1 sec) (S35|S27.6)	mdmLiDteRxDataDelay 1.3.6.1.4.1.429.1.6.2.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10ths of a second that the modem inserts a RX transmission delay between CD and the first recieved character. Intended for custom applications and not recomended for general usage. Equates to the modem's S35 register. Default=0.	INTEGER (0...255)	S35|S27.6
Modem Transmitter (Cn)	mdmLiTransmiter 1.3.6.1.4.1.429.1.6.2.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Enables the modem to transmit data. Corresponds to the modem 'C' register. Default=2.	INTEGER 1 = disable 2 = enable	Cn
Transmit Level (-db)	mdmLiTransmitLevel 1.3.6.1.4.1.429.1.6.2.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the signal level of the modem transmitter in negative db.	INTEGER (0...20)	
Pulse/Tone Dial (P|T)	mdmLiDialMode 1.3.6.1.4.1.429.1.6.2.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Determines whether the modem uses pulse or tone for dialing when initiating outgoing calls. Equates to the P and T registers in the modem. Default=0.	INTEGER 1 = pulse 2 = tone	

TCM Name	ASN.1 MIB	Description	Settings	Command
Guard Tone Frequency (&G)	mdmLiGuardTone 1.3.6.1.4.1.429.1.6.2.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	This object is required for modems answering calls that originate from sites outside of North America. The modem's must be operating in either 1200 or 2400 bps and be using the V.32 answer sequence. This object defines what guard tone is used for answering calls. This object equates to the &G register in US Robotics modems. Default=none.	INTEGER 1 = none 2 = european550 3 = uk1800	&G
Leased Line Operation (&L)	mdmLiLeasedLine 1.3.6.1.4.1.429.1.6.2.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Enables modem to operate in leased line mode. When enabled the local an remote modems make a continuous connection without dialing. Should the connection be broken the modem's will attempt to automaticly reestablish it(see mdmCcLeasedLineRest). Equates to the modem's &L register Default = disabled.	INTEGER 1 = disable 2 = enable 3 = cellularHSTMode	&L
Leased Line Restore Delay after CD Loss (sec) (S44)	mdmLiLeasedLineRestDelay 1.3.6.1.4.1.429.1.6.2.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration in seconds of the delay between when the modem senses loss of carrier and when it attempts to reestablish a leased line connection. The default setting of 15 should be appropriate for most installations.	INTEGER (0...255)	S44
Pulse Dialing Country (&P)	mdmLiPulseMakeBreak 1.3.6.1.4.1.429.1.6.2.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Determines the ratio of off hook to on hook interval for Pulse dialing. Equates to the modem's &P register. Default=North America.	INTEGER 1 = northAmerica 2 = britishCommonwealth	&P
2100 Hz Answer Tone (V.42) (S27.3)	mdmLiAnswerTone 1.3.6.1.4.1.429.1.6.2.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Disables the 2100 Hz Answer tone allowing V.42 modems to connect more quickly and/or eliminating problems with older 2400-bps modems that do not recognise this tone. Equates to the modem's S27.3 register. Default=Enabled.	INTEGER 1 = enable 2 = disable	S27.3
Remote Access Escape Guard Time (* 20ms) (S43)	mdmLiRemoteEscGuardTime 1.3.6.1.4.1.429.1.6.2.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration in 20 millisecond increments of the guard time that the modem requires preceding and following the remote escape sequence.The default is 200 or 4 seconds.	INTEGER (0...255)	S43
Remote Access Escape Code (S42)	mdmLiRemoteEscChar 1.3.6.1.4.1.429.1.6.2.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal value of the character used in the remote access escape code for entering online command mode on this modem from the remote site. Default = 126(~).	INTEGER (0...255)	S42
Remote Access Attempt Limit (S41)	mdmLiRemAccessLimit 1.3.6.1.4.1.429.1.6.2.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	Determines the number of attempts to enter remote online command mode that are allowed for any one connection. The default is 0 which disables the remote access functon.	INTEGER (0...255)	S41
Remote Access VIEW Password (%P0)	mdmLiRemPassword0 1.3.6.1.4.1.429.1.6.2.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	The password that allows a dial-in user to gain view only access to this modems parameters. A maximum of 8 characters is allowed.	DisplayString SIZE(0...8)	%P0

TCM Name	ASN.1 MIB	Description	Settings	Command
Remote Access CONFIG Password (%P1)	mdmLiRemPassword1 1.3.6.1.4.1.429.1.6.2.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	The password used by a dial-in user to gain read-write access to this modems configuration. Maximum length is 8 characters.	DisplayString SIZE(0...8)	%P1
Line Interface Source (%Dn)	mdmLiSrc 1.3.6.1.4.1.429.1.6.2.1.1.20.slot*1000 + channel optional read-write in mdm.mib	Specifies either NIC or TDM as the source for the line interface.	INTEGER 1 = nic 2 = t1Tdm 3 = priTdm	%Dn

Data Compression Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Data Compression Mode (&K)	mdmDcDataCompression 1.3.6.1.4.1.429.1.6.3.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines when and how data compression is enabled. Corresponds to the &K register in USR modems.	INTEGER 1 = none 2 = autoEnable 3 = enable 4 = mnpWoCompression	&K

DTE Interface Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Escape Guard Time (* 20ms) (S12)	mdmDiEscCodeGuardTime 1.3.6.1.4.1.429.1.6.5.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 50ths of a second of idle time that must precede and follow the modem's command mode escape code. Default=50.	INTEGER (0...255)	S12
Modem Escape Character (S2)	mdmDiLocalEscChar 1.3.6.1.4.1.429.1.6.5.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Decimal equivalent of the character that is used to escape to on-line command mode. Values between 128 and 255 disable the escape code. Default=43(+).	INTEGER (0...255)	S2
Carriage Return Character (S3)	mdmDiCarriageRetChar 1.3.6.1.4.1.429.1.6.5.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the carriage return character. Default=13.	INTEGER (0...255)	S3
Line Feed Character (S4)	mdmDiLineFeedChar 1.3.6.1.4.1.429.1.6.5.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the line feed character. Default=10.	INTEGER (0...255)	S4
Backspace Character (S5)	mdmDiBackspaceChar 1.3.6.1.4.1.429.1.6.5.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the decimal equivalent of the backspace character. Default=8.	INTEGER (0...255)	S5
Backspace Functionality (S15.5)	mdmDiDelAsBackspace 1.3.6.1.4.1.429.1.6.5.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Defines functionality of the delete key. Acts either to delete the character the cursor is currently on or acts the same as the backspace key. Default=delete.	INTEGER 1 = delete 2 = backspace	S15.5
Modem Reset on DTR Drop (S13.0)	mdmDiResetOnDtrEna 1.3.6.1.4.1.429.1.6.5.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	When enabled this option will cause the modem to restart when the DTR control signal drops. Default=disabled.	INTEGER 1 = disable 2 = enable	S13.0
Pause before Result Codes (S13.2)	mdmDiResultCodePauseDis 1.3.6.1.4.1.429.1.6.5.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem pauses 250ms before transmission of any result code. Default=enable.	INTEGER 1 = enable 2 = disable	S13.2
AppleTalk InterBridge Network (S15.7)	mdmDiInterbridgeEna 1.3.6.1.4.1.429.1.6.5.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem operates in a mode that is compatible with an 'Appletalk InterBridge Network'. Default=disabled.	INTEGER 1 = disable 2 = enable	S15.7

TCM Name	ASN.1 MIB	Description	Settings	Command
Break Length (*10 ms) (S21)	mdmDiBreakLen 1.3.6.1.4.1.429.1.6.5.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Defines the duration of break characters that are sent to the DTE in ARQ mode. Defined in 10ms increments. Default=10(100ms).	INTEGER (0...255)	S21
XON Flow Control Character (S22)	mdmDiXonChar 1.3.6.1.4.1.429.1.6.5.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Defines the decimal equivalent of the Xon character. This character will be used when software flow control is enabled. Default=17.	INTEGER (0...255)	S22
XOFF Flow Control Character (S23)	mdmDiXoffChar 1.3.6.1.4.1.429.1.6.5.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Defines the decimal equivalent of the xoff character. This character will be used when software flow control is enabled. Default=19.	INTEGER (0...255)	S23
DSR Mode Pulse Length (* 20ms) (S24)	mdmDiDsrPulseTime 1.3.6.1.4.1.429.1.6.5.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 20 millisecond increments that the DSR signal is pulsed when the modem is configured for pulsed DSR mode. Default=150.	INTEGER (0...150)	S24
Sync RTS Delay before CTS (* 10ms) (S26)	mdmDiRtsCtsDelay 1.3.6.1.4.1.429.1.6.5.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Duration in 10 millisecond increments that the modem delays setting CTS after detecting the presence of RTS. Default=1.	INTEGER (0...255)	S26
Result Codes above 9600 (S27.7)	mdmDiHiSpeedResCodeEna 1.3.6.1.4.1.429.1.6.5.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	Determines if connection establishment result codes above 9600 are sent to the DTE. Default=enable.	INTEGER 1 = enable 2 = disable	S27.7
Echo DTE Data (E|Dip 4)	mdmDiCmdLocalEchoEna 1.3.6.1.4.1.429.1.6.5.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the characters transmitted by the DTE are echoed back when in command mode. Default=disabled.	INTEGER 1 = disable 2 = enable	E|Dip 4
Half Duplex DTE Echo (F)	mdmDiDataModeEchoEna 1.3.6.1.4.1.429.1.6.5.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the DTE's transmitted data is echoed back durring a connection(half duplex). Default=disabled.	INTEGER 1 = enable 2 = disable	F
DTE Rate Mode (&B)	mdmDiDteDataRateMode 1.3.6.1.4.1.429.1.6.5.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Defines how the modem determines the DTE data rate. When set to the default follows link rate the modem switches the DTE speed to match the link rate. When set to fixed the DTE speed remains at the default DTE data rate or the rate of the last AT command. When set to ARQ fixed-Non ARQ follows the dte speed remains fixed for ARQ calls and follows the link rate for non ARQ calls.	INTEGER 1 = followsLinkRate 2 = fixed 3 = arqFixedNonArqFollows	&B

TCM Name	ASN.1 MIB	Description	Settings	Command
CD Override (&C|Dip 6)	mdmDiCdOverride 1.3.6.1.4.1.429.1.6.5.1.1.20.slot*1000 + channel mandatory read-write in mdm.mib	Defines the operation of the CD(Carrier Detect) signal. When overridden the CD signal is always asserted. Default=normal.	INTEGER 1 = enable 2 = disable	&C|Dip 6
DTR Override (&D|Dip 1)	mdmDiDtrOverride 1.3.6.1.4.1.429.1.6.5.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	Defines operation with regard to DTR. When overridden the DTR signal is always assumed to be present. Default=normal.	INTEGER 1 = enable 2 = disable	&D|Dip 1
DSR Functionality (&S)	mdmDiDsrOverride 1.3.6.1.4.1.429.1.6.5.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	Determines the functionality of the modem's DSR signal. Default=Override.	INTEGER 1 = dsrOveridden 2 = modemControled 3 = pulsedCtsFollowsCd 4 = pulsed 5 = dsrEqualsCd 6 = normalCtsFollowsCd	&S
Transmit Flow Control Mode (&H)	mdmDiTransmitFlowCntl 1.3.6.1.4.1.429.1.6.5.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Determines if transmit flow control is enabled and if so whether it is hardware or software. Default=none.	INTEGER 1 = none 2 = hardware 3 = software 4 = hardwareAndSoftware	&H
Software Flow Control (&I)	mdmDiSoftwareRxFlowCntl 1.3.6.1.4.1.429.1.6.5.1.1.25.slot*1000 + channel mandatory read-write in mdm.mib	Determines if receive software flow control is enabled as well as what type. Default=none.	INTEGER 1 = none 2 = xonXoffLocalRemote 3 = xonXoffLocal 4 = hpHostMode 5 = hpTerminalMode 6 = localIncommingXonXoff	&I
Hardware Flow Control (&R)	mdmDiHardwareRxFlowCntl 1.3.6.1.4.1.429.1.6.5.1.1.26.slot*1000 + channel mandatory read-write in mdm.mib	Determines if receive hardware flow control is enabled as well as how it is implemented. Default=RTS ignored.	INTEGER 1 = rtsCtsDelayed 2 = rtsIgnored 3 = dataOnRtsHigh	&R
Break Handling Methods (&Y)	mdmDiBreakHandling 1.3.6.1.4.1.429.1.6.5.1.1.27.slot*1000 + channel mandatory read-write in mdm.mib	Defines the method used to handle received breaks. When defined as destructive the modem's transmit data buffer is flushed. When defined as expidited the break preceeds any pending data in the transmit buffer. Default=DestructiveExpidited.	INTEGER 1 = destructiveNotSent 2 = destructiveExpedited 3 = nondestructiveExpedited 4 = nondestructiveNotSent	&Y
DTE NVRAM Lock (R&W)	mdmDiDteNvramLock 1.3.6.1.4.1.429.1.6.5.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	When locked prohibits the DTE user from changing any of the NVRAM settings in the modem. Default=unlocked.	INTEGER 1 = disable 2 = enable	

TCM Name	ASN.1 MIB	Description	Settings	Command
Default DTE Data Format	mdmDiSerialFormat 1.3.6.1.4.1.429.1.6.5.1.1.29.slot*1000 + channel mandatory read-write in mdm.mib	Defines the data bits and parity of the modem's DTE. Used in situations where the attached DTE is unable to send AT commands to initialize the DTE format. Default=8 bit no parity.	INTEGER 1 = bit8NoParity 2 = bit7EvenParity 3 = bit7OddParity 4 = bit7MarkParity	
Default DTE Data Rate	mdmDiDefaultDteDataRate 1.3.6.1.4.1.429.1.6.5.1.1.30.slot*1000 + channel mandatory read-write in mdm.mib	Defines the data rate of the DTE. Useful in those cases where the DTE is incapable of sending an AT command to initialize the data rate and a fixed data rate is required. Default=9600.	INTEGER 1 = bps110 2 = bps300 3 = bps600 4 = bps1200 5 = bps2400 6 = bps4800 8 = bps9600 12 = bps19K 13 = bps38K 16 = unknown 17 = bps57K 22 = bps115K	
Modem Unavailable Message for Busy DTE (S34.6)	mdmDiRemAccessMsg 1.3.6.1.4.1.429.1.6.5.1.1.31.slot*1000 + channel mandatory read-write in mdm.mib	Specifies if the modem is to send the 'Modem Unavailable' message to the DTE when the DTE attempts to send data to a modem that is curently in command mode with a remote DTE. Default = enabled.	INTEGER 1 = enable 2 = disable	S34.6
Default V.25 bis DTE Data Rate (%N)	mdmDiV25DteDataRate 1.3.6.1.4.1.429.1.6.5.1.1.32.slot*1000 + channel optional read-write in mdm.mib	Defines the DTE Data Rates supported for V25 bis.	INTEGER 1 = bps1200 2 = bps2400 3 = bps4800 4 = bps7200 5 = bps9600 6 = bps12K 7 = bps14K 8 = bps16K 9 = bps19K 10 = bps21K 11 = bps24K 12 = bps26K 13 = bps28K	%N

TCM Name	ASN.1 MIB	Description	Settings	Command
DTE Interface Slot	mdmDiSlot 1.3.6.1.4.1.429.1.6.5.1.1.34.slot*1000 + channel optional read-write in mdm.mib	Specifies the slot address as the DTE interface source when mdmdiSrc is configured for Packet Bus.	INTEGER (1...16)	
Busy Out	mdmDiBusyClock 1.3.6.1.4.1.429.1.6.5.1.1.35.slot*1000 + channel optional read-write in mdm.mib	specifies whether the modem will support either the current transmit clock or a new busy out.	INTEGER 1 = extClock1 2 = busyOut	
AT Command Interface	mdmDiAtString 1.3.6.1.4.1.429.1.6.5.1.1.36.slot*1000 + channel mandatory read-write in mdm.mib	Provides an interface for issuing an AT command to the modem. Not implemented as a command so as to allow the object to be saved to NVRAM and subsequently configured during power-up.	DisplayString SIZE(0...41)	
DTR Recognition Time (S25)	mdmDiDtrRecognitionTime 1.3.6.1.4.1.429.1.6.5.1.1.37.slot*1000 + channel mandatory read-write in mdm.mib	S25 register tells the modem how quickly to react when DTR transitions from off to on. Default is 20. Increments are in 10 ms.	INTEGER (0...255)	S25

Signal Converter Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Link Rate Speed Select (&N)	mdmScLinkRateSelect 1.3.6.1.4.1.429.1.6.6.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the link will run at a fixed or variable data rate. Default=variable.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000	&N

TCM Name	ASN.1 MIB	Description	Settings	Command
			35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666 39 = bps36000 40 = bps38666 41 = bps40000 42 = bps58666 43 = bps60000 44 = bps61333 45 = bps62666	
Non-ARQ Transmit Buffer Size (S15.3)	mdmScNonArqBufSize 1.3.6.1.4.1.429.1.6.6.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Sets the sizer of the transmit buffer for non-ARQ mode operation to either 128 bytes or 1.5K. The smaller size is for low speed interactive applications the large size is for file transfer. Default=128.	INTEGER 1 = bytes1500 2 = bytes128	S15.3
Buffer RX During MNP Negotiation (S37.0)	mdmScNonMnpDataCapture 1.3.6.1.4.1.429.1.6.6.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Causes received characters to be buffered when the modem is attempting to negotiate an MNP call and the remote modem is not. Default=disabled.	INTEGER 1 = disable 2 = enable	S37.0
HST Modulation (S13.5)	mdmScHstMod 1.3.6.1.4.1.429.1.6.6.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	May be used to disable HST operation on USRobotics Dual Standard modems. Default=enable.	INTEGER 1 = enable 2 = disable	S13.5
Modem Equalization (S15.0)	mdmScHiFreqEq 1.3.6.1.4.1.429.1.6.6.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Allows modem's high frequency equalization to be disabled if it causes problems on shorter lines. Default=enabled.	INTEGER 1 = enable 2 = disable	S15.0
HST Mode Lower Speed (S15.2)	mdmScBackChanRate 1.3.6.1.4.1.429.1.6.6.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the lower speed used in the asymetrical (HST) mode of operation. The 300 bps setting is provided for compatibility with early HST modems. Default=450.	INTEGER 1 = bps450 2 = bps300	S15.2
V.21 Modulation (S27.0)	mdmScV21Mod 1.3.6.1.4.1.429.1.6.6.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will answer both bell 103 and V.21 calls but originates only V.21 calls. Default=disabled.	INTEGER 1 = disable 2 = enable	S27.0
V.32 Unencoded Modulation (S27.1)	mdmScV32UnencodedMod 1.3.6.1.4.1.429.1.6.6.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Allows unencoded modulation in V.32 mode. Although part of the CCITT V.32 recomendation it is rarely used. Default=disabled.	INTEGER 1 = disable 2 = enable	S27.1
V.32 Modulation (S27.2)	mdmScV32Mod 1.3.6.1.4.1.429.1.6.6.1.1.11.slot*1000 + channel	Allows V.32 modulation to be disabled on USRobotics Dual	INTEGER	S27.2

TCM Name	ASN.1 MIB	Description	Settings	Command
	mandatory read-write in mdm.mib	Standard modems. Default=enabled.	1 = enable 2 = disable	
Bell 208 (S31.0)	mdmScBell208 1.3.6.1.4.1.429.1.6.6.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Allows modems that support Bell 208 modulation to include Bell 208 as part of the negotiation sequence. Default=Bell 208 disabled.	INTEGER 1 = disable 2 = enable	S31.0
V.32 bis Modulation (S34.0)	mdmScV32Bis 1.3.6.1.4.1.429.1.6.6.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Allows V.32 bis modulation to be disabled. On USRobotics Dual Standard modems this may be useful in troublshooting HST operation. Default=V.32 bis enabled.	INTEGER 1 = enable 2 = disable	S34.0
V.32 Enhanced Mode (S34.1)	mdmScV32BisEnhance 1.3.6.1.4.1.429.1.6.6.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Allows USRobotics V.32 Enahnced mode to be disabled for purposes of troubleshooting Default=enabled.	INTEGER 1 = enable 2 = disable	S34.1
V.32 Fast Retrain (S34.2)	mdmScV32QuickRetrain 1.3.6.1.4.1.429.1.6.6.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Allows the faster retrains that occur with USR's enhanced V.32 mode to be disabled for troubleshooting purposes. Default=enabled.	INTEGER 1 = enable 2 = disable	S34.2
V.23 Call Negotiation (S34.3)	mdmScV23 1.3.6.1.4.1.429.1.6.6.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	Allows the modem to negotiate a V.23 connection(used in U.K.) after failing to negotiate a higher rate. Default=disabled.	INTEGER 1 = disable 2 = enable	S34.3
Answer Sequence (Bn)	mdmScHiSpeedModulation 1.3.6.1.4.1.429.1.6.6.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Defines the handshaking options used in negotiation of high speed calls. Default=CCITT V.32	INTEGER 1 = v32 2 = hst 3 = bell208	Bn
Fallback Disable (S15.1)	mdmScFallback 1.3.6.1.4.1.429.1.6.6.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the modem will be allowed to change protocols it detects a significant change in the line characteristics. If the modem is unable to maintain transmission with the current modulation technique it would fall back to a lower speed and if the line then improved it would upshift to a higher speed. Default=enabled.	INTEGER 1 = enable 2 = disable	S15.1
Sync Timing Source (&X)	mdmScSyncTimingSource 1.3.6.1.4.1.429.1.6.6.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the clock source when operating in synchronous mode. Default=internal.	INTEGER 1 = internal 2 = external 3 = rxLinkClock	&X
V.32 Terbo Modulation (S34.7)	mdmScV32TerboModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Allows the V32 Terbo mode to be disabled/enabled.	INTEGER 1 = disable 2 = enable	S34.7

TCM Name	ASN.1 MIB	Description	Settings	Command
V.34 Modulation (S56.6)	mdmScV34ModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.20.slot*1000 + channel mandatory read-write in mdm.mib	Allows V34 mode to be disabled/enabled.	INTEGER 1 = disable 2 = enable	S56.6
V.FC 2400 Symbol Rate (S54.0)	mdmScVFCSymRate2400 1.3.6.1.4.1.429.1.6.6.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2400 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.0
V.FC 2743 Symbol Rate (S54.1)	mdmScVFCSymRate2743 1.3.6.1.4.1.429.1.6.6.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2743 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.1
V.FC 2800 Symbol Rate (S54.2)	mdmScVFCSymRate2800 1.3.6.1.4.1.429.1.6.6.1.1.23.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 2800 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.2
V.FC 3000 Symbol Rate (S54.3)	mdmScVFCSymRate3000 1.3.6.1.4.1.429.1.6.6.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 3000 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.3
V.FC 3200 Symbol Rate (S54.4)	mdmScVFCSymRate3200 1.3.6.1.4.1.429.1.6.6.1.1.25.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 3200 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.4
V.FC 3429 Symbol Rate (S54.5)	mdmScVFCSymRate3429 1.3.6.1.4.1.429.1.6.6.1.1.26.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 3429 symbol rate to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S54.5
V.FC 8S-2D Mapping (S55.0)	mdmScVFC8S2DMapping 1.3.6.1.4.1.429.1.6.6.1.1.27.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 8S-2D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.0
V.FC 16S-4D Mapping (S55.1)	mdmScVFC16S4DMapping 1.3.6.1.4.1.429.1.6.6.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 16S-4D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.1
V.FC 32S-2D Mapping (S55.2)	mdmScVFC32S2DMapping 1.3.6.1.4.1.429.1.6.6.1.1.29.slot*1000 + channel mandatory read-write in mdm.mib	Allows the 32S-2D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S55.2
V.FC 64S-4D Mapping (S55.3)	mdmScVFC64S4DMapping 1.3.6.1.4.1.429.1.6.6.1.1.30.slot*1000 + channel	Allows the 64S-4D mapping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable	S55.3

TCM Name	ASN.1 MIB	Description	Settings	Command
	mandatory read-write in mdm.mib		2 = disable	
V.FC Non-linear Coding (S56.0)	mdmScVFCNonLinearCoding 1.3.6.1.4.1.429.1.6.6.1.1.31.slot*1000 + channel mandatory read-write in mdm.mib	Allows the non-linear coding to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.0
V.FC TX Level Deviation (S56.1)	mdmScVFCTxLevelDeviation 1.3.6.1.4.1.429.1.6.6.1.1.32.slot*1000 + channel mandatory read-write in mdm.mib	Allows the TX level deviation to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.1
V.FC Pre-emphasis (S56.2)	mdmScVFCPreEmphasis 1.3.6.1.4.1.429.1.6.6.1.1.33.slot*1000 + channel mandatory read-write in mdm.mib	Allows the pre-emphasis to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.2
V.FC Precoding (S56.3)	mdmScVFCPreCoding 1.3.6.1.4.1.429.1.6.6.1.1.34.slot*1000 + channel mandatory read-write in mdm.mib	Allows the precoding to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.3
V.FC Shaping (S56.4)	mdmScVFCShaping 1.3.6.1.4.1.429.1.6.6.1.1.35.slot*1000 + channel mandatory read-write in mdm.mib	Allows the shaping to be disabled/enabled on V.FC modems.	INTEGER 1 = enable 2 = disable	S56.4
V.FC Modulation (S56.7)	mdmScVFCModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.36.slot*1000 + channel mandatory read-write in mdm.mib	Allows to disable/enable V.FC mode in order to troubleshoot a connection.	INTEGER 1 = enable 2 = disable	S56.7
V.8 Mode (S54.7)	mdmScV8 1.3.6.1.4.1.429.1.6.6.1.1.37.slot*1000 + channel mandatory read-write in mdm.mib	Allow V8 mode to be disabled/enabled	INTEGER 1 = enable 2 = disable	S54.7
V.8 Call Indicator (S54.6)	mdmSCV8CallIndicator 1.3.6.1.4.1.429.1.6.6.1.1.38.slot*1000 + channel mandatory read-write in mdm.mib	Allow V.8. call indicater to be disabled/enabled.	INTEGER 1 = enable 2 = disable	S54.6
V.34+ (S56.5)	mdmScV34pModeEnable 1.3.6.1.4.1.429.1.6.6.1.1.39.slot*1000 + channel mandatory read-write in mdm.mib	Allows V34 plus modulation mode to be disabled. (default=0/enabled)	INTEGER 1 = enable 2 = disable	S56.5
300 Baud (S48.0)	mdmSc300 1.3.6.1.4.1.429.1.6.6.1.1.40.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 300 baud negotiations. Register S48.0 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.0

TCM Name	ASN.1 MIB	Description	Settings	Command
1200 Baud (S48.1)	mdmSc1200 1.3.6.1.4.1.429.1.6.6.1.1.41.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 1200 baud negotiations. Register S48.1 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.1
2400 Baud (S48.2)	mdmSc2400 1.3.6.1.4.1.429.1.6.6.1.1.42.slot*1000 + channel mandatory read-write in mdm.mib	Restrict 2400 baud negotiations. Register S48.2 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.2
High Speed (S48.3)	mdmScHighSpeed 1.3.6.1.4.1.429.1.6.6.1.1.43.slot*1000 + channel mandatory read-write in mdm.mib	Restrict highspeed baud negotiations. Register S48.3 Default is disable (0) restriction.	INTEGER 1 = disable 2 = enable	S48.3
V.42 Selective Reject (S51.6)	mdmScSelectiveReject 1.3.6.1.4.1.429.1.6.6.1.1.44.slot*1000 + channel mandatory read-write in mdm.mib	Selective Reject register S51.6 is a function of the V.42/LAPM protocol. The default is enable (1)	INTEGER 1 = enable 2 = disable	S51.6
Phone Exclusion Delay (S51.7)	mdmScPhExclusionDel 1.3.6.1.4.1.429.1.6.6.1.1.45.slot*1000 + channel mandatory read-write in mdm.mib	Enable/disable phone extension delay S51.7. Default is enable	INTEGER 1 = disable 2 = enable	S51.7
Minimum High-Speed Direction Link Speed (&U)	mdmScLinkRateAmpU 1.3.6.1.4.1.429.1.6.6.1.1.46.slot*1000 + channel mandatory read-write in mdm.mib	Minimum high-speed direction link speed Default=variable.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333	&U

TCM Name	ASN.1 MIB	Description	Settings	Command
			20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666 39 = bps36000 40 = bps38666 41 = bps40000 42 = bps58666 43 = bps60000 44 = bps61333 45 = bps62666	

Call Control Options

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial Tone Delay (sec) (S6)	mdmCcDialDelay 1.3.6.1.4.1.429.1.6.7.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem waits between going off hook and begining to dial. Ignored when result code options 246or 7 are active. Default=2.	INTEGER (0...255)	S6
MNP/V.42 Link Request Timeout (sec) (S52)	mdmCcMnpTimeout 1.3.6.1.4.1.429.1.6.7.1.1.29.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the MNP/V42 link request timeout for negotiation of 1200 and 2400 bps calls. Default=5.	INTEGER (0...14)	S52
Carrier Detect Delay (S7)	mdmCcWaitForCarrier 1.3.6.1.4.1.429.1.6.7.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Defines the number of seconds the modem will wait for a carrier signal after dialing. Default=60.	INTEGER (0...255)	S7
Inactivity Timer (min) (S19)	mdmCcInactivityTimer 1.3.6.1.4.1.429.1.6.7.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration (in seconds) that the modem will maintain a connection when there is no activity on the phone line. The feature is disabled when set to 0. Default=0.	INTEGER (0...255)	S19
Dial on DTR Active (S13)	mdmCcAutoDialOnDtrEna 1.3.6.1.4.1.429.1.6.7.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will dial the number present in mdmCCPhoneString0 when the DTR signal transitions from low to high. Default=disable(1).	INTEGER 1 = disable 2 = enable	S13
Auto Dial on Power Up (S13.4)	mdmCcAutoDialOnPwrUpEna 1.3.6.1.4.1.429.1.6.7.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will dial the number present in mdmCcPhoneString0 on power up or after a reset. Default=disable(1).	INTEGER 1 = disable 2 = enable	S13.4
DTR Low before Ready (S27.6)	mdmCcGhostPortLockEna 1.3.6.1.4.1.429.1.6.7.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem requires that DTR go low before it will accept another call. The modem also implements a Fast Connect mode where CD is asserted before the link negotiation is complete. Default=disable(1).	INTEGER 1 = disable 2 = enable	S27.6
Result Codes (Qn|Dip 3|7)	mdmCcQuietResultCodes 1.3.6.1.4.1.429.1.6.7.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Determines whether or not the modem transmits result codes to the DTE. Default=noResult(2).	INTEGER 1 = displayResult 2 = noResult 3 = originateOnly	Qn|Dip 3|7
Verbal/Numeric Result Codes (Vn|Dip 2)	mdmCcResponseMode 1.3.6.1.4.1.429.1.6.7.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	Determines whether the modem transmits result codes in the verbal or numeric mode. Default=verbal(2).	INTEGER 1 = numeric 2 = verbal	Vn|Dip 2

TCM Name	ASN.1 MIB	Description	Settings	Command
Result Code Groups (X)	mdmCcResultCodeOptions 1.3.6.1.4.1.429.1.6.7.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	Defines one of eight result code subsets and also defines indirectly how the modem reacts to dial tone etc. Equates to the modem's X register Default=1.	INTEGER (0...7)	X
ARQ Result Codes (&A)	mdmCcArqResultCodeMode 1.3.6.1.4.1.429.1.6.7.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	Defines whether or not the ARQ result codes are sent to the DTE on connection(if result codes are enabled). Default=arqResultsEnabled(2).	INTEGER 1 = arqResultsDisabled 2 = arqResultsEnabled 3 = includeHstV32 4 = includeProtocol	&A
Response to +++ (Dip 9)	mdmCcEscCodeRsp 1.3.6.1.4.1.429.1.6.7.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	Defines the action of the modem in response to the escape code(+++). The default value is determined by the state of Dip switch 2-3 on power up.	INTEGER 1 = goOnHook 2 = enterCommandMode 3 = ignoreEscCode	Dip 9
AT Command Recognition (Dip 8)	mdmCcAtRecognition 1.3.6.1.4.1.429.1.6.7.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	Determines which if any AT commands the modem will recognize or accept from the DTE. Default=ignore(1).	INTEGER 1 = ignore 2 = queryOnly 3 = enableAll	Dip 8
Mgt. System Result Codes	mdmCcMgmtSysMsgDis 1.3.6.1.4.1.429.1.6.7.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem is to send special result codes triggered by user conflicts with the management system to the DTE. Default=enable(1).	INTEGER 1 = enable 2 = disable	
V.32 300/600 Hz Tone Times (S28)	mdmCcV32ToneDuration 1.3.6.1.4.1.429.1.6.7.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	Specifies the duration (in 10ths of a second) that the modem transmits the 3000/600 Hz answer tones for V.32 handshaking. A setting of 0 eliminates these tones and will result in faster connect times for V.21 and V.23 calls. Default=8.	INTEGER (0...255)	S28
V.21 to V.23 Fallback Timer (S29)	mdmCcV21V23FallBackTimer 1.3.6.1.4.1.429.1.6.7.1.1.30.slot*1000 + channel mandatory read-write in mdm.mib	V21/V23 fallback timer 1/10 sec. NVRAM S Register S29. Default=20	INTEGER (0...255)	S29
Rings for Auto Answer (S0|Dip 5)	mdmCcAutoAnswer 1.3.6.1.4.1.429.1.6.7.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	Determines the number of rings that the modem will answer calls on. When set to 0 the modem can only originate calls. Default=1.	INTEGER (0...255)	S0|Dip 5
Additional Answer Tone Time (S49)	mdmCcAddnlAnswToneDur 1.3.6.1.4.1.429.1.6.7.1.1.31.slot*1000 + channel optional read-write in mdm.mib	Additional answer tone duration 1/10 sec. NVRAM S Register S49. Default=16.	INTEGER (0...255)	S49

TCM Name	ASN.1 MIB	Description	Settings	Command
Answer in Originate Mode (S13.1)	mdmCcAnswerInOrigMode 1.3.6.1.4.1.429.1.6.7.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	When enabled the modem will answer calls using the sequence normaly used by the originating modem. Default=disable(1).	INTEGER 1 = disable 2 = enable	S13.1
Billing Delay Timer (S50)	mdmCcBillingDelayPeriod 1.3.6.1.4.1.429.1.6.7.1.1.32.slot*1000 + channel optional read-write in mdm.mib	Billing Delay Period. 1/50 sec. NVRAM S Register S50. Default=100.	INTEGER (0...255)	S50
Default Phone Number (&Z0)	mdmCcPhoneString0 1.3.6.1.4.1.429.1.6.7.1.1.20.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in modem's non volitile memory. Useful in providing quick access to frequently called numbers. In addition mdmCcPhoneString0 is used for the dial on power up and dial on DTR options.	DisplayString SIZE(0...36)	&Z0
Stored Phone Number 1 (&Z1)	mdmCcPhoneString1 1.3.6.1.4.1.429.1.6.7.1.1.21.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful for providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z1
Stored Phone Number 2 (&Z2)	mdmCcPhoneString2 1.3.6.1.4.1.429.1.6.7.1.1.22.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful in providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z2
Stored Phone Number 3 (&Z3)	mdmCcPhoneString3 1.3.6.1.4.1.429.1.6.7.1.1.23.slot*1000 + channel mandatory read-write in mdm.mib	Phone number stored in the modem's non volitile memory useful in providing quick access to frequently called numbers.	DisplayString SIZE(0...36)	&Z3
ARQ Negotiation (&M)	mdmCcErrorCntlMode 1.3.6.1.4.1.429.1.6.7.1.1.24.slot*1000 + channel mandatory read-write in mdm.mib	Defines if the modem is operating in synchronous or asynchronous mode and how it responds relative to negotiation of error control on asynchronous connections. When set to the default normalArq(3) the modem attempts to connect with error control but if unable to negotiate it connects anyway. When set to none(1) async connections do not attempt to use error control. When set to arqOnly(4) the modem will hang up if unable to negotiate error contol. When set to syncMode(2) the modem will not connect asynchronously.	INTEGER 1 = none 2 = syncMode 3 = normalArq 4 = arqOnly 5 = v25bisChar 6 = v25bisBit	&M
MI/MIC Closure for Call Detection (S34.5)	mdmCcMiMic 1.3.6.1.4.1.429.1.6.7.1.1.25.slot*1000 + channel mandatory read-write in mdm.mib	Specifies whether the modem will recognize MI/MIC closure as the mechanism for detecting incomming calls. Default=disable(1).	INTEGER 1 = disable 2 = enable	S34.5
MNP/V.42 @ 1200 bps (S51.0)	mdmCcMnpWith1200 1.3.6.1.4.1.429.1.6.7.1.1.26.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V42 negotiation on 1200 bps connections. Default=enable(1).	INTEGER 1 = enable 2 = disable	S51.0

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP/V.42 @ 2400 bps (S51.1)	mdmCcMnpWith2400 1.3.6.1.4.1.429.1.6.7.1.1.27.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V43 negotiation on 2400 bps calls. default=enable(1).	INTEGER 1 = enable 2 = disable	S51.1
MNP/V.42 @ 9600 bps (S51.2)	mdmCcMnpWithV32 1.3.6.1.4.1.429.1.6.7.1.1.28.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will include MNP/V42 negotiation on V.32 connections. Default=enable(1).	INTEGER 1 = enable 2 = disable	S51.2
Data/Fax Mode (+FCLASS=)	mdmCcDataFaxMode 1.3.6.1.4.1.429.1.6.7.1.1.40.slot*1000 + channel mandatory read-write in mdm.mib	Gives the current Data/FAX mode of the modem.	INTEGER 1 = dataMode 2 = faxClass1Mode 3 = dataFaxClass1Mode 4 = faxClass2Mode 5 = dataFaxClass2Mode	+FCLASS=
T1 Call Setup (S47.0)	mdmCcT1CallSetupProc 1.3.6.1.4.1.429.1.6.7.1.1.41.slot*1000 + channel optional read-write in mdm.mib	Determines T1 call setup procedures used. Choices are 'normal' or 'none'. None assumes a dedicated (leased) DS0 assigned to the modem.Default=normalSetup(1).	INTEGER 1 = normalSetup 2 = noSetup	S47.0
T1 Tone Type (S47.1)	mdmCcT1DialToneType 1.3.6.1.4.1.429.1.6.7.1.1.42.slot*1000 + channel optional read-write in mdm.mib	Determines if MF or DTMF tones are used for T1 signaling. Default = mfTones(1).	INTEGER 1 = mfTones 2 = dtmfTones	S47.1
Dial Sequence Tone Encapsulation (S47.2)	mdmCcT1KpStMfTones 1.3.6.1.4.1.429.1.6.7.1.1.43.slot*1000 + channel optional read-write in mdm.mib	Determines the usage of KP and ST MF tone encapsulation of the dial sequence.Default=enable(1).	INTEGER 1 = enable 2 = disable	S47.2
Call Init String (S47.3)	mdmCcT1CallInitStrUse 1.3.6.1.4.1.429.1.6.7.1.1.44.slot*1000 + channel optional read-write in mdm.mib	Determines if calling init strings are used or not.Default=enable(1).	INTEGER 1 = enable 2 = disable	S47.3
ANI/DNIS Call Init Strings (S47.4)	mdmCcT1CallInitStrBase 1.3.6.1.4.1.429.1.6.7.1.1.45.slot*1000 + channel optional read-write in mdm.mib	Determines if the calling init strings are based upon DNIS or ANI.Default=dnisBase(1).	INTEGER 1 = dnisBase 2 = aniBase	S47.4
Blacklist Restriction (S40.1)	mdmCcIntBlackListDis 1.3.6.1.4.1.429.1.6.7.1.1.46.slot*1000 + channel mandatory read-write in mdm.mib	Disable BlackList restriction in the international modems. Default=0 (enable) s40.1 reg	INTEGER 1 = enable 2 = disable	S40.1

TCM Name	ASN.1 MIB	Description	Settings	Command
Off-Hook Restriction (S40.2)	mdmCcOffHookRestrict 1.3.6.1.4.1.429.1.6.7.1.1.47.slot*1000 + channel mandatory read-write in mdm.mib	Disable off-hook restriction in the international modems. Default=0 (enable) S40.2 reg	INTEGER 1 = enable 2 = disable	S40.2
ANI-Based Incoming Call Digits (S62)	mdmCcT1DialInAniDig 1.3.6.1.4.1.429.1.6.7.1.1.48.slot*1000 + channel optional read-write in mdm.mib	Sets the number of ANI digits allowed in incoming calls. Default = 0.	INTEGER (0...12)	S62
DNIS-Based Incoming Call Digits (S63)	mdmCcT1DialInDnisDig 1.3.6.1.4.1.429.1.6.7.1.1.49.slot*1000 + channel optional read-write in mdm.mib	Sets the number of DNIS/DID digits allowed in incoming calls. Default = 0.	INTEGER (0...12)	S63
Packet Bus Answer Only (S47.5)	mdmCcNoPbNoConnEna 1.3.6.1.4.1.429.1.6.7.1.1.50.slot*1000 + channel optional read-write in mdm.mib	Sets if to answer a call when there is no Packet Bus link. Normal is the Default =0	INTEGER 1 = disable 2 = enable	S47.5
T1 Idle Disconnect Pattern (S71)	mdmCcIdleDiscPatt 1.3.6.1.4.1.429.1.6.7.1.1.51.slot*1000 + channel optional read-write in mdm.mib	Idle disconnect pattern sent to the T1 NAC. Normal values: USA = 1 international = 84. Default = 1. Configure the T1 identically. Consult the help screen user manual or US Robotics before changing. Modem register S71.	INTEGER (0...255)	S71
Originate MNP10 (S61.4)	mdmCcMnp10 1.3.6.1.4.1.429.1.6.7.1.1.52.slot*1000 + channel optional read-write in mdm.mib	S61.4 register disable/enable MNP10 originate mode.	INTEGER 1 = disable 2 = enable	S61.4
Originate MNP10EC (S61.5)	mdmCcMnp10Ec 1.3.6.1.4.1.429.1.6.7.1.1.53.slot*1000 + channel optional read-write in mdm.mib	S61.5 register disable/enable MNP10EC originate mode.	INTEGER 1 = disable 2 = enable	S61.5
ATZ Handling over Packet Bus (S72)	mdmCcAtzPbHandling 1.3.6.1.4.1.429.1.6.7.1.1.54.slot*1000 + channel optional read-write in mdm.mib	ATZ handling over Packet Bus. S72 REG	INTEGER 1 = normalAtz 2 = atzPbIgnored 3 = atzPbNvram	S72
DTMF Command (%T) Extended Support	mdmCcExtDTMFToneSupport 1.3.6.1.4.1.429.1.6.7.1.1.56.slot*1000 + channel mandatory read-write in mdm.mib	Enable/Disable DTMF extended support. Default = disable	INTEGER 1 = disable 2 = enable	%T
Default Dial-out PRI slot (S73)	mdmCcDefItPRISlot 1.3.6.1.4.1.429.1.6.7.1.1.55.slot*1000 + channel mandatory read-write in mdm.mib	Default dialout PRI slot. Default = 1	INTEGER (1...5)	S73

TCM Name	ASN.1 MIB	Description	Settings	Command
V.42bis Compression over V.120	mdmCcEnableV120v42Bis 1.3.6.1.4.1.429.1.6.7.1.1.59.slot*1000 + channel mandatory read-write in mdm.mib	V.42bis Compression over V.120. S67.4	INTEGER 1 = disable 2 = enable	

Modem Error Control Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP Level 3 Error Correction (S13.6)	mdmEcMnp3Dis 1.3.6.1.4.1.429.1.6.8.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will negotiate for MNP level 3 error correction. Default=enable.	INTEGER 1 = enable 2 = disable	S13.6
MNP Level 4 Error Correction (S15.4)	mdmEcMnp4Dis 1.3.6.1.4.1.429.1.6.8.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will negotiate for MNP level 4 error correction. Default=enable.	INTEGER 1 = enable 2 = disable	S15.4
Special 2400bps MNP (S15.6)	mdmEcMnpUnusual 1.3.6.1.4.1.429.1.6.8.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	Determines if the modem will attempt to negotiate for MNP operation used in some early 2400bps modems. Default=disable.	INTEGER 1 = disable 2 = enable	S15.6
V.42/MNP Negotiation Method (S27.4-5)	mdmEcV42MnpHandshake 1.3.6.1.4.1.429.1.6.8.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Determines what types of error correction the modem will attempt to negotiate. When configured for the default full V.42 and MNP the modem first tries to connect with V42 error control and then with MNP error control. When set to disable either V42 or MNP the modem will only attempt to negotiate the enabled protocol. When set to disable the V42 detect phase it is not included in the handshaking process. This allows for faster connections between V42 modems.	INTEGER 1 = enableAll 2 = enableV42disableMnp 3 = disablev42enablemnp 4 = disableDetectionPhase	S27.4-5
ARQ Buffer Reset Delay (S38)	mdmCcArqBufWait 1.3.6.1.4.1.429.1.6.7.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	Sets the duration (in seconds) that the modem waits on an ARQ call before clearing the transmit buffer and dropping carrier after DTR drops. This is to allow time for the remote modem to acknowledge receipt of all transmitted data. Default=0.	INTEGER (0...255)	S38

DNIS Access Codes

TCM Name	ASN.1 MIB	Description	Settings	Command
DNIS Group 1	mdmCcCarrierAccessCode1 1.3.6.1.4.1.429.1.6.7.1.1.33.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits (e.g. 9501755). This is the 1st of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 1	mdmCcCallingInitStr1 1.3.6.1.4.1.429.1.6.7.1.1.36.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This string is a configuration string of 1 to 30 characters (e.g. &F &F&B1&R1 etc.) This string does NOT include the AT attention prefix. This is the 1st of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Group 2	mdmCcCarrierAccessCode2 1.3.6.1.4.1.429.1.6.7.1.1.34.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits. This is the 2nd of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 2	mdmCcCallingInitStr2 1.3.6.1.4.1.429.1.6.7.1.1.37.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This string is 1 to 30 characters. It does NOT include the AT attention prefix. It is the 2nd of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Group 3	mdmCcCarrierAccessCode3 1.3.6.1.4.1.429.1.6.7.1.1.35.slot*1000 + channel optional read-write in mdm.mib	The DNIS Carrier Access Code (CAC) Number. This is a string which contains a number from 1 to 10 digits. This is the 3rd of 3 CACs.	DisplayString SIZE(0...10)	
DNIS Init String 3	mdmCcCallingInitStr3 1.3.6.1.4.1.429.1.6.7.1.1.38.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This is a string of 1 to 30 characters. It does NOT include the AT attention prefix. This is the 3rd of 4 CAC init strings.	DisplayString SIZE(0...40)	
DNIS Default String	mdmCcCallingInitStr4 1.3.6.1.4.1.429.1.6.7.1.1.39.slot*1000 + channel optional read-write in mdm.mib	This is the Carrier Access Code (CAC) initialization string. This is a string of 1 to 30 characters. It does NOT include the AT attention prefix. This is the 4th of 4 CAC init strings.	DisplayString SIZE(0...40)	

Link Security Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Link Security Enable (S53.0)	mdmLsSecurityEnable 1.3.6.1.4.1.429.1.6.14.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	Allows to disable/enable the dial security feature for the modem.	INTEGER 1 = disable 2 = enable	S53.0
Fallback Password Prompting (S53.1)	mdmLsFallbackPromptEnable 1.3.6.1.4.1.429.1.6.14.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	Disables/enables the prompting by the called modem when the auto pass password supplied by the caller fails or if no password is supplied at all.	INTEGER 1 = disable 2 = enable	S53.1
Forced Password Prompting (S53.3)	mdmLsForcePromptEnable 1.3.6.1.4.1.429.1.6.14.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	If this is enabled the modem will prompt the remote user for a password regardless of the success of the modem to negotiate the auto pass password.	INTEGER 1 = disable 2 = enable	S53.3
Local Access Password Enable (S53.2)	mdmLsLocAccPasswdEnable 1.3.6.1.4.1.429.1.6.14.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	Disables/enables the Local Access Password feature used to establish security check when accessing any security setting.	INTEGER 1 = disable 2 = enable	S53.2
Dialback Prompting (%A=)	mdmLsDialBackEnable 1.3.6.1.4.1.429.1.6.14.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	If this is set to enable the modem after successful password validation will disconnect and dial out to the originating modem.	INTEGER 1 = disable 2 = enable	%A=
Autopass Password (%V=)	mdmLsAutoPassPasswd 1.3.6.1.4.1.429.1.6.14.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	Contains the Auto Pass Password used for establishing Link security during call negotiation.	DisplayString SIZE(0...8)	%V=
Local Access Password (%L=)	mdmLsLocalAccessPasswd 1.3.6.1.4.1.429.1.6.14.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	Contains the Local Access password used when accessing any security setting and when Local Access password feature is enabled.	DisplayString SIZE(0...8)	%L=
Fallback Password (%A=)	mdmLsAccountPasswd 1.3.6.1.4.1.429.1.6.14.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	Contains the fall back password which must be entered if auto pass password is not satisfied.	DisplayString SIZE(0...8)	%A=

Hub Security

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial In	mdmHsDialInEnable 1.3.6.1.4.1.429.1.6.15.1.1.2.slot*1000 + channel optional read-write in mdm.mib	Allows the modem to be configured for dial-in security. Enabling this effectively disables the modem's built-in Link security operation. The default for this object is disabled.	INTEGER 1 = disable 2 = allowNoNMC 3 = refuseNoNMC 4 = busyOutNoNMC	
Dial Out	mdmHsDialOutEnable 1.3.6.1.4.1.429.1.6.15.1.1.3.slot*1000 + channel optional read-write in mdm.mib	Allows modems to be configured for dial-out security. Enabling this effectively disables the modem's built-in link security operation. The default value for this object is disabled.	INTEGER 1 = disable 2 = refuseNoNMC 3 = allowNoNMC	
DTR DCD Delay	mdmHsDtrDcdDelay 1.3.6.1.4.1.429.1.6.15.1.1.4.slot*1000 + channel optional read-write in mdm.mib	Allows configuration of the time delay (in 100ths of a second) between reciept of DTR and assertion of DCD when the user on an incomming security call has successfully compleated the security dialog. This object only applies to modems using an RS232 like interface.	INTEGER (0...255)	
DTR DSR Delay	mdmHsDtrDsrDelay 1.3.6.1.4.1.429.1.6.15.1.1.5.slot*1000 + channel optional read-write in mdm.mib	Allows configuration of the delay (in 100ths of a second) between detection of DTR and assertion of DSR when an incomming security call has completed security negotiation successfully.	INTEGER (0...255)	

Cellular Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
MNP10 Negotiation (S60.0)	mdmCeMnp10Dis 1.3.6.1.4.1.429.1.6.17.1.1.2.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 0 of S-register 60. It disable/enables MNP10 negotiation mostly used with cellular operations. (defualt=0)	INTEGER 1 = disable 2 = enable	S60.0
MNP Extended Services (S60.1)	mdmCeMnpxDis 1.3.6.1.4.1.429.1.6.17.1.1.3.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 1 of S-register 60. It will enable/disable the MNP extended services to be active during negotiation. This will mean that MNP10 will use V.42 to negotiate. (defualt=0)	INTEGER 1 = disable 2 = enable	S60.1
MNP10 Compression Type (S60.2)	mdmCeComp 1.3.6.1.4.1.429.1.6.17.1.1.4.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 2 of S-register 60. It selects which compression type will be negotiated if allowed by other modem settings. (default =0>	INTEGER 1 = mnp5 2 = v42bis	S60.2
MNP10 Cellular (S60.3)	mdmCeOperDis 1.3.6.1.4.1.429.1.6.17.1.1.5.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 3 of S-register 60. It announces that at least one end of the link will be across a cellular network. Therefore the Dyncamic Transmit Algorithm will be active. (default=0)	INTEGER 1 = disable 2 = enable	S60.3
MNP10 Link Speed (S60.4)	mdmCeLinkSpeed 1.3.6.1.4.1.429.1.6.17.1.1.6.slot*1000 + channel mandatory read-write in mdm.mib	This object is bit 4 of register 60 tells the modem which speed to establish the link at. (default=0)	INTEGER 1 = linkAtHighSpeed 2 = linkAt1200BpsV22	S60.4
MNP10 V.42bis Short Form Negotiation Rules (S61)	mdmCeShortFormRules 1.3.6.1.4.1.429.1.6.17.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	This object is the S-register 61. It takes a value from 0 to 3 and regulates the V.42bis Short Form Negotiation rules. The short form assumes that the maximum string length is always 32 octets and that the direction of compression is always bi-directional. (default=0)	INTEGER 1 = disable 2 = form1CodeWords512 3 = form2CodeWords1024 4 = form3CodeWords2048	S61
ETC Max. Link Rate (S64)	mdmCeDceBitraLim 1.3.6.1.4.1.429.1.6.17.1.1.8.slot*1000 + channel mandatory read-write in mdm.mib	This object is the S-register 64. It limits DCE bitrates to values equal to or below the chosen setting. (default=0)	INTEGER 1 = maxDceRate 2 = bps4800 3 = bps7200 4 = bps9600 5 = bps12000 6 = bps14400	S64

TCM Name	ASN.1 MIB	Description	Settings	Command
ETC Transmit Level (S65)	mdmCeDceTxLev 1.3.6.1.4.1.429.1.6.17.1.1.9.slot*1000 + channel mandatory read-write in mdm.mib	This object is S-register 65. It selects DCE TX level to use during cellular operations. (default=0)	INTEGER 1 = modemContrlTxLev 2 = dBm10 3 = dBm11 4 = dBm12 5 = dBm13 6 = dBm14 7 = dBm15 8 = dBm16 9 = dBm17 10 = dBm18 11 = dBm19 12 = dBm20 13 = dBm21 14 = dBm22 15 = dBm23 16 = dBm24 17 = dBm25	S65
ETC Negotiation (S66.0)	mdmCeV42EtcDis 1.3.6.1.4.1.429.1.6.17.1.1.10.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 0 of S-register 66. It enables/disables ETC. (default=0)	INTEGER 1 = disable 2 = enable	S66.0
ETC Fixed/Mobile Site (S66.1)	mdmCeV42CellSite 1.3.6.1.4.1.429.1.6.17.1.1.11.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 1 of S-register 66. It selects fixed or mobile site operations. (default=0)	INTEGER 1 = fixedSite 2 = mobileSite	S66.1
ETC Calling Tone (S66.2)	mdmCeV42EtcCallToneDis 1.3.6.1.4.1.429.1.6.17.1.1.12.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 2 of S-register 66. It enables/disables ETC calling tone. (default=0)	INTEGER 1 = disable 2 = enable	S66.2
Force ETC Settings (S66.3)	mdmCeV42EtcTxLevConDis 1.3.6.1.4.1.429.1.6.17.1.1.13.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 3 of S-register 66. It enables/disables forced ETC TX level control. (default=0)	INTEGER 1 = disable 2 = enable	S66.3
ETC DCE Start-up Rate (S66.4 and S66.5)	mdmCeDceStartRate 1.3.6.1.4.1.429.1.6.17.1.1.14.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bits 4 and 5 of S-register 66. It sets the DCE startup rate. (default=0)	INTEGER 1 = auto 2 = bps4800 3 = bps9600	S66.4 and S66.5

TCM Name	ASN.1 MIB	Description	Settings	Command
ETC Transmit De-emphasis (S66.6)	mdmCeV42DceTxDemDis 1.3.6.1.4.1.429.1.6.17.1.1.15.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 6 of S-register 66. It enables/disables DCE TX De-emphasis. (default=0)	INTEGER 1 = disable 2 = enable	S66.6
MNP10 Fallback (S60.5)	mdmCeMnp10FallbackDis 1.3.6.1.4.1.429.1.6.17.1.1.16.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 5 of S-register 60. It enables/disables MNP10 fallback. (default=0)	INTEGER 1 = disable 2 = enable	S60.5
MNP10 Fall Forward (S60.6)	mdmCeMnp10FallforDis 1.3.6.1.4.1.429.1.6.17.1.1.17.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 6 of S-register 60. It enables/disables MNP10 fallforward. (default=0)	INTEGER 1 = disable 2 = enable	S60.6
Do not Originate with ETC (S66.7)	mdmCeDbNoEtcDis 1.3.6.1.4.1.429.1.6.17.1.1.18.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 7 of S-register 66. It enables/disables non-ETC originate mode. (default=0/disable)	INTEGER 1 = disable 2 = enable	S66.7
MNPX Detection Pattern (S60.7)	mdmCeMnpxDetPhEna 1.3.6.1.4.1.429.1.6.17.1.1.19.slot*1000 + channel mandatory read-write in mdm.mib	This object is the bit 7 of S-register 60. It enables/disables the MNPX detection phase during connection establishment. (default=0/enable).	INTEGER 1 = enable 2 = disable	S60.7

x2/V.90 Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
Low-speed Direction Minimum Speed (S74)	mdmScLowerSpeedMin 1.3.6.1.4.1.429.1.6.6.1.1.47.slot*1000 + channel mandatory read-write in mdm.mib	Lower speed direction minimum Default=1.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666 28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000	S74

TCM Name	ASN.1 MIB	Description	Settings	Command
			35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666 39 = bps36000 40 = bps38666 41 = bps40000 42 = bps58666 43 = bps60000 44 = bps61333 45 = bps62666	
Low-speed Channel Maximum Speed (S75)	mdmScLowerSpeedMax 1.3.6.1.4.1.429.1.6.6.1.1.48.slot*1000 + channel mandatory read-write in mdm.mib	Lower speed direction maximum Default=1.	INTEGER 1 = variable 2 = bps300 3 = bps1200 4 = bps2400 5 = bps4800 6 = bps7200 7 = bps9600 8 = bps12000 9 = bps14400 10 = bps16800 11 = bps19200 12 = bps21600 13 = bps24000 14 = bps26400 15 = bps28800 16 = bps31200 17 = bps33600 18 = bps33333 19 = bps37333 20 = bps41333 21 = bps42666 22 = bps44000 23 = bps45333 24 = bps46666 25 = bps48000 26 = bps49333 27 = bps50666	S75

TCM Name	ASN.1 MIB	Description	Settings	Command
			28 = bps52000 29 = bps53333 30 = bps54666 31 = bps56000 32 = bps57333 33 = bps64000 34 = bps28000 35 = bps29333 36 = bps30666 37 = bps32000 38 = bps34666 39 = bps36000 40 = bps38666 41 = bps40000 42 = bps58666 43 = bps60000 44 = bps61333 45 = bps62666	
x2 Client Mode (S76.0)	mdmScX2Client 1.3.6.1.4.1.429.1.6.6.1.1.49.slot*1000 + channel mandatory read-write in mdm.mib	X2 Client Mode Disable Default=enabled.	INTEGER 1 = enabled 2 = disabled	S76.0
x2 Server Mode (S76.1)	mdmScX2Server 1.3.6.1.4.1.429.1.6.6.1.1.50.slot*1000 + channel mandatory read-write in mdm.mib	X2 Server Mode Disable Default=enabled.	INTEGER 1 = enabled 2 = disabled	S76.1
x2 Symmetric Mode (S76.2)	mdmScX2Symmetric 1.3.6.1.4.1.429.1.6.6.1.1.51.slot*1000 + channel mandatory read-write in mdm.mib	X2 Symmetric Mode Disable Default=enable.	INTEGER 1 = enabled 2 = disabled	S76.2
x2 High-power Constellation (S76.7)	mdmScX2HighPowerConst 1.3.6.1.4.1.429.1.6.6.1.1.52.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable/disable the X2 high-power constellation. This object is only valid in countries where it is legal. It corresponds to S Register 76.7 Default = Disable(1).	INTEGER 1 = disable 2 = enable	S76.7
Tx Power Level (S82)	mdmScTxPwrLvl 1.3.6.1.4.1.429.1.6.6.1.1.55.slot*1000 + channel mandatory read-write in mdm.mib	This object configures the power level. It applies to S-register S82.	INTEGER (0...31)	S82
Tx Power Level Applied (S81.0)	mdmScTxPwrLvlApplied 1.3.6.1.4.1.429.1.6.6.1.1.56.slot*1000 + channel mandatory read-write	This object configures where the power level is applied. It applies to S-register S81.0.	INTEGER 1 = inputToFarEndOfCodec	S81.0

TCM Name	ASN.1 MIB	Description	Settings	Command
	in mdm.mib		2 = outputOfTheServerModem	
x2 Version 2 Modulation (S81.1)	mdmScX2Version2 1.3.6.1.4.1.429.1.6.6.1.1.57.slot*1000 + channel mandatory read-write in mdm.mib	This object is the x2 Version 2 Modulation. It applies to S-register S81.1	INTEGER 1 = enabled 2 = disabled	S81.1
x2 Fallback to V.34 (S76.3)	mdmScV34Fallback 1.3.6.1.4.1.429.1.6.6.1.1.58.slot*1000 + channel mandatory read-write in mdm.mib	This object is the x2 fallback to v34. It applies to S-register S76.3	INTEGER 1 = enabled 2 = disabled	S76.3
V.90 All Digital Mode (S81.6)	mdmScV90AllDigital 1.3.6.1.4.1.429.1.6.6.1.1.61.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 symmetric modulation. Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.6
V.90 Analogue Mode (S81.4)	mdmScV90Analogue 1.3.6.1.4.1.429.1.6.6.1.1.59.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 client modulation.Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.4
V.90 Digital Mode (S81.5)	mdmScV90Digital 1.3.6.1.4.1.429.1.6.6.1.1.60.slot*1000 + channel mandatory read-write in mdm.mib	This object controls the enable/disable of the V.90 server modulation.Default=Enable(1).	INTEGER 1 = enabled 2 = disabled	S81.5

Remote Modem Identification

TCM Name	ASN.1 MIB	Description	Settings	Command
Manufacturer ID	rmdmIdManufactureId 1.3.6.1.4.1.429.1.20.1.1.1.2.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Manufacture ID from the remote modem. The ID is assigned by the Internet Assigned Numbers Authority.	INTEGER	
Product Code	rmdmIdProductCode 1.3.6.1.4.1.429.1.20.1.1.1.3.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Product Code from the remote modem.	DisplayString SIZE(0...31)	
Serial Number	rmdmIdSerialNo 1.3.6.1.4.1.429.1.20.1.1.1.4.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Serial Number from the remote modem.	DisplayString SIZE(0...31)	
Firmware Version	rmdmIdFwVer 1.3.6.1.4.1.429.1.20.1.1.1.5.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Firmware Version from the remote modem.	DisplayString SIZE(0...11)	
Firmware Build Date	rmdmIdFwBuildDate 1.3.6.1.4.1.429.1.20.1.1.1.6.slot*1000 + channel mandatory read-only in rmdm.mib	This object is used to view the Firmware build date from the remote modem.	DisplayString SIZE(0...11)	

ISDN Modem Call Control Options

TCM Name	ASN.1 MIB	Description	Settings	Command
V110 Rate Adaption (S67.0)	imdmCcRateAdapV110 1.3.6.1.4.1.429.1.19.1.1.1.2.slot*1000 + channel mandatory read-write in imdm.mib	This object enables V110 rate adaption corresponds to S register S67 bit 0. Default = 1	INTEGER 1 = disable 2 = enable	S67.0
Force Fixed Network Rate (S67.1)	imdmCcFixedNtwkRate 1.3.6.1.4.1.429.1.19.1.1.1.3.slot*1000 + channel mandatory read-write in imdm.mib	This object sets the fixed network rate. This object correspond to S register S67 bit 1. Default = 1	INTEGER 1 = notForced 2 = forceNetworkRate	S67.1
Force Network Rate Speed (S67.2)	imdmCcNetworkRate 1.3.6.1.4.1.429.1.19.1.1.1.4.slot*1000 + channel mandatory read-write in imdm.mib	This object sets the Network rate speed. This object corresponds to the modem S register S67 bit 2. Default = 1	INTEGER 1 = kbps56 2 = kbps64	S67.2
Enable 45-65 Second Link Delay (S67.4)	imdmCcBcLinkDly 1.3.6.1.4.1.429.1.19.1.1.1.5.slot*1000 + channel mandatory read-write in imdm.mib	This object enable a 45 - 65 second link delay. This object corresponds to the S register S67 bit 4. Default = 1	INTEGER 1 = noDelay 2 = delay	S67.4
Analog Calls Over Digital (S68.0)	imdmCcAnlgOvrDig 1.3.6.1.4.1.429.1.19.1.1.1.6.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set S register S68 bit 0 which does not allow analog calls over digital data connection. Default = 1	INTEGER 1 = enable 2 = disable	S68.0
Async PPP/Sync PPP Conversion (S68.4)	imdmCcAsyncPPP 1.3.6.1.4.1.429.1.19.1.1.1.7.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to disable/enable async PPP/ sync PPP conversion. This object corresponds to S register S68 bit 2. Default = 1	INTEGER 1 = enable 2 = disable	S68.4
X.75 (S68.5)	imdmCcX75 1.3.6.1.4.1.429.1.19.1.1.1.8.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to disable/enable X75. This object corresponds to S register S68 bit 3. Default = 1	INTEGER 1 = enable 2 = disable	S68.5
Set Data Mode of Modem (*V2=x)	imdmCcStarV2 1.3.6.1.4.1.429.1.19.1.1.1.9.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the data mode of the modem and is equivalent to *V2 = x AT command. Default =1	INTEGER 1 = autodetect 2 = v120rateAdapOnly 3 = v110rateAdapOnly 4 = modemOrFaxOnly 5 = clearChannelSync 6 = asyncSyncPPPconv 7 = x75	*V2=x

TCM Name	ASN.1 MIB	Description	Settings	Command
Set Originate HDLC Protocol (*U1=x)	imdmCcStarU1 1.3.6.1.4.1.429.1.19.1.1.1.10.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate HDLC protocols of the modem and is equivalent to *U1 = x AT command. Default =2	INTEGER 1 = none 2 = v120 3 = x75 4 = ppp	*U1=x
Set Originate Non-HDLC Protocol (*U2=x)	imdmCcStarU2 1.3.6.1.4.1.429.1.19.1.1.1.11.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate Non-HDLC protocols of the modem and is equivalent to *U2 = x AT command. Default =1	INTEGER 1 = none 2 = v110	*U2=x
Set Originate Analog Modem/Fax Data Mode (*U3=x)	imdmCcStarU3 1.3.6.1.4.1.429.1.19.1.1.1.12.slot*1000 + channel mandatory read-write in imdm.mib	This object is used to set the originate Analog modem/fax data mode of the modem and is equivalent to *U3 = x AT command. Default =2	INTEGER 1 = none 2 = analogModemFax	*U3=x
V120 (S68.6)	imdmCcV120 1.3.6.1.4.1.429.1.19.1.1.1.13.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to Enable/Disable V120. This Object corresponds to S register 68 bit 4 default=1	INTEGER 1 = enable 2 = disable	S68.6
X75 Frame Size	imdmCcFrameSize 1.3.6.1.4.1.429.1.19.1.1.1.14.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to set the Frame size for X75. Default = 2048	INTEGER (1...2048)	
X75 Window Size	imdmCcWindowSize 1.3.6.1.4.1.429.1.19.1.1.1.15.slot*1000 + channel mandatory read-write in imdm.mib	This Object is used to set the Window Size of X75 default=2	INTEGER (1...7)	

PIAFS Configuration

TCM Name	ASN.1 MIB	Description	Settings	Command
PIAFS Protocol (S72.4)	mdmScPiafs 1.3.6.1.4.1.429.1.6.6.1.1.53.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable/disable PIAFS protocol. It corresponds to S Register 72.4 Default = enable(1).	INTEGER 1 = enable 2 = disable	S72.4
PIAFS V42bis Compression (S72.5)	mdmScPiafsV42bis 1.3.6.1.4.1.429.1.6.6.1.1.54.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable/disable PIAFS V42bis compression protocol. It corresponds to S Register 72.5. Default = enable(1).	INTEGER 1 = enable 2 = disable	S72.5

Remote Modem Call Control Settings

TCM Name	ASN.1 MIB	Description	Settings	Command
Send On Connect (S79.0)	rmdmScSendOnConnect 1.3.6.1.4.1.429.1.20.3.1.1.2.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for sending on call connect. S-register S79.0	INTEGER 1 = enabled 2 = disabled	
Send Speed Shift Retrain (S79.1)	rmdmScSendSpeedShiftRet 1.3.6.1.4.1.429.1.20.3.1.1.3.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for sending on Speed Shift or Retrain. S-register S79.1	INTEGER 1 = enabled 2 = disabled	
Send On Planned Disconnect (S79.2)	rmdmScSendOnPlanDisc 1.3.6.1.4.1.429.1.20.3.1.1.4.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for sending on Planned Disconnect. S-register S79.2	INTEGER 1 = enabled 2 = disabled	
Receive On Connect (S80.0)	rmdmScRcvConnect 1.3.6.1.4.1.429.1.20.3.1.1.5.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for receive on connection. S-register S80.0	INTEGER 1 = enabled 2 = disabled	
Receive Speed Shift Retrain (S80.1)	rmdmScRcvSpeedShiftRet 1.3.6.1.4.1.429.1.20.3.1.1.6.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for receive on Speed Shift or Retrain. S-register S80.1	INTEGER 1 = enabled 2 = disabled	
Receive On Planned Disconnect (S80.2)	rmdmScRcvOnPlanDisc 1.3.6.1.4.1.429.1.20.3.1.1.7.slot*1000 + channel mandatory read-write in rmdm.mib	This object is to enable/disable RMMIE for receive on Planned Disconnect. S-register S80.2	INTEGER 1 = enabled 2 = disabled	

Data over Voice Bearer Service (DOVBS)

TCM Name	ASN.1 MIB	Description	Settings	Command
Data Over Voice	mdmCcDataOverVoice 1.3.6.1.4.1.429.1.6.7.1.1.57.slot*1000 + channel mandatory read-write in mdm.mib	Data Over Voice support originate S68.1.	INTEGER 1 = disable 2 = enable	
2100 Answer Tone	mdmCc2100AnswerTone 1.3.6.1.4.1.429.1.6.7.1.1.58.slot*1000 + channel mandatory read-write in mdm.mib	Data Over Voice support answer S68.2.	INTEGER 1 = disable 2 = enable	

Tone Test

TCM Name	ASN.1 MIB	Description	Settings	Command
Dial In Tone Tests	mdmTfDialInToneTest 1.3.6.1.4.1.429.1.6.4.1.1.7.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to enable Dial in Tone Tests.	INTEGER 1 = disable 2 = enable	

Analog Fax over CDMA

TCM Name	ASN.1 MIB	Description	Settings	Command
Max Rate Service Option 20 (S94)	mdmCcAfaxMaxRateSrvOpt20 1.3.6.1.4.1.429.1.6.7.1.1.62.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to limit the maximum rate for an Analog Fax Connection. Service option 20. Upper nibble of the S94 register.	INTEGER 1 = bps2400 2 = bps4800 3 = bps7200 4 = bps9600 5 = bps12000 6 = bps14400	
Max Rate Service Option 21 (S94)	mdmCcAfaxMaxRateSrvOpt21 1.3.6.1.4.1.429.1.6.7.1.1.63.slot*1000 + channel mandatory read-write in mdm.mib	This object is used to limit the maximum rate for an Analog Fax Connection. Service option 21. Lower nibble of S94 register.	INTEGER 1 = bps2400 2 = bps4800 3 = bps7200 4 = bps9600 5 = bps12000 6 = bps14400	

Actions/Commands

Hardware Commands

Modem Card Actions:

- No Command (NF)
- Remove from Service (F)
- Restore to Service (NF)
- Hardware Reset (F)

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdMgtStationId	uchasCmdMgtStationId 1.3.6.1.4.1.429.1.1.7.1.1.2 mandatory read-write in chs.mib	This object is a generic read-write variable that a Management Station (MS) can use to guarantee that the results from a given command are the results of a command issued by that specific MS. Each MS must SET a unique value to this object when doing commands and GET the value of this object together with uchasCmdReqId and uchasCmdResult to detect interference from other MSs.	OCTET STRING SIZE(0...8)	
uchasCmdReqId	uchasCmdReqId 1.3.6.1.4.1.429.1.1.7.1.1.3 mandatory read-only in chs.mib	Ths object contains the value of the request-id field in the SNMP PDU which invoked the current or most recent command on the device in the specified slot of the chassis. If the request-id is unknown or undefined this value contains the value zero.	INTEGER	
uchasCmdFunction	uchasCmdFunction 1.3.6.1.4.1.429.1.1.7.1.1.4 mandatory read-write in chs.mib	A control variable used to start and stop operator-initiated commands. A command is initiated by setting this object to a value other than noCommand(1). When the value noCommand(1) is written to this object no action is taken unless a command is in progress in which case the command is aborted.	INTEGER 1 = noCommand 2 = removeFromService 3 = restoreToService 4 = hardwareReset 5 = softwareDownload 6 = softwareDownload2	
uchasCmdForce	uchasCmdForce 1.3.6.1.4.1.429.1.1.7.1.1.5 mandatory read-write in chs.mib	In some cases the devices in the chassis may be in a state such that certain commands could adversely affect connections or other device specific operations. In such cases a command with uchasCmdForce set to noForce will result in a warning. If the operator elects to ignore such warnings uchasCmdForce can be set to force in the command request and the command will be carried out regardless of its potentially hazzardous effects.	INTEGER 1 = force 2 = noForce	

TCM Name	ASN.1 MIB	Description	Settings	Command
uchasCmdParam	uchasCmdParam 1.3.6.1.4.1.429.1.1.7.1.1.6 mandatory read-write in chs.mib	This object contains parameters that are specific to the particular command being issued. In some cases there will be no additional parameters required.	OCTET STRING SIZE(0...24)	
uchasCmdResult	uchasCmdResult 1.3.6.1.4.1.429.1.1.7.1.1.7 mandatory read-only in chs.mib	This object contains the result of the most recently requested test or the value none(1) if not commands have been requested since the last reset. Note that this facility provides no provision for saving the results of one command when starting another as could be required if used by multiple managers concurrently.	INTEGER 1 = none 2 = success 3 = inProgress 4 = notSupported 5 = unAbleToRun 6 = aborted 7 = failed	
uchasCmdCode	uchasCmdCode 1.3.6.1.4.1.429.1.1.7.1.1.8 mandatory read-only in chs.mib	The value of this object upon command completion indicates a further description of what went wrong if the command was unsuccessful. This object is also used as an indication of the in progress status of the software download command.	INTEGER 1 = noError 2 = unable 6 = unrecognizedCommand 8 = slotEmpty 12 = noResponse 14 = connected 20 = unsupportedCommand 21 = nonManagedDevice 22 = deviceDisabled 58 = userInterfaceActive 61 = badFlashRomID 62 = badFlashVoltage 63 = flashEraseError 64 = eraseSequenceError 65 = eraseExecutionError 66 = receiveBufferOverflow 67 = badAddressInData 68 = badProgramVoltage 69 = programmingDataError 70 = programCodeError 71 = invalidCodeError 72 = romCrcBad 73 = pendingSoftwareDownload 74 = ramCrcBad 75 = invalidRomId	

TCM Name	ASN.1 MIB	Description	Settings	Command
			76 = sdlTrigger 77 = downloadingSdlFile 78 = crcTestingSdlFile 79 = queryWorkSpaceSize 80 = executeLoadedProgram 81 = erasingFlash 82 = downloadingNacFile 83 = resetingNac 84 = cardIdMismatch 85 = cardIdUnknown 86 = tftpTimeout 87 = flashEraseTimeout 88 = invalidFileHeader 113 = pendingSdl2	

AutoResponse

AutoResponse Events

Modem Card Response Actions:

- Generate AutoResponse SNMP TRAP ID (N)
- Delay Script Execution (N) Seconds
- Terminate Script Execution
- Continue if Test Passes
- Configure Module from NMC NVRAM
- Configure Module from NMC Factory Defaults
- Remove Module from Service
- Restore Module to Service
- Test Module
- Reset Module
- Busy-Out Module's Analog Phone Lines
- Restore Module's Analog Phone Lines
- Remove DS1 Slot (N) Span (N) from Service
- Restore DS1 Slot (N) Span (N) to Service
- Block Analog Calls on DS1 Slot (N) Span (N)
- Block Digital Calls on DS1 Slot (N) Span (N)
- Block All Calls on DS1 Slot (N) Span (N)
- Block No Calls on DS1 Slot (N) Span (N)

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Inserted	uchasArModuleInserted 1.3.6.1.4.1.429.1.1.9.9.1.2.slot optional read-write in chs.mib	This script is triggered when a module is inserted in the chassis.	OCTET STRING SIZE(0...40)	
Module Re-initialized	uchasArModuleReinit 1.3.6.1.4.1.429.1.1.9.9.1.3.slot optional read-write in chs.mib	This script is triggered when the following occur: chassis power transitions from off to on; a module is inserted in the chassis; software download has just been completed to a module; a module is restored to service; or a module is reset (hardware).	OCTET STRING SIZE(0...40)	

TCM Name	ASN.1 MIB	Description	Settings	Command
Module Removed	uchasArModuleRemoved 1.3.6.1.4.1.429.1.1.9.9.1.4.slot optional read-write in chs.mib	This script is triggered when a module is physically removed from the chassis.	OCTET STRING SIZE(0...40)	
Module Non-operational	uchasArModuleNonoper 1.3.6.1.4.1.429.1.1.9.9.1.5.slot optional read-write in chs.mib	This script is triggered when the following occur: software download to a module has just been started; a module is removed from service; or a module has failed (i.e. all entities on that module have failed).	OCTET STRING SIZE(0...40)	
Module Watchdog Time-out	uchasArModuleWatchdog 1.3.6.1.4.1.429.1.1.9.9.1.6.slot optional read-write in chs.mib	This script is triggered when one or more module entities experience a watchdog time-out.	OCTET STRING SIZE(0...40)	

Programmed Settings

Added Cost Features

TCM Name	ASN.1 MIB	Description	Settings	Command
PIAFS	uchasSlotStatFeEna 1.3.6.1.4.1.429.1.1.1.1.1.8.slot optional read-only in chs.mib	This object can be read to determine what options have been enabled in the NACs. It uses individual bits to represent the enable status of the features which are NAC specific. **Bit Mask:** 0x80	INTEGER 0 = Disabled 1 = Enabled	

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Y

3Com Corporation
5400 Bayfront Plaza
P.O. Box 58145
Santa Clara, CA
95052-8145

Part No. 1.024.1000-03