Screen to Object Cross-Reference

This appendix lists the fields on the system administration and ISDN screens and cross-references the fields to the objects in the MIB. Each table lists the fields on a single screen. Fields not directly connected to an object in the MIB are listed with the notation N/A (not available) in the MIB object column. The choices in the administration menus are not listed as they do not have any modifiable fields. Screens are listed in the order in which they appear in the *Cisco VCO/4K System Administrator's Guide.* The "Unsupported Fields" section on page B-25 lists the fields not supported by the MIB.

Database Administration Screens

Database administration refers to the group of functions used to specify line and trunk card characteristics, resource groups, inpulse rules, and outpulse rules.

Card Summary Screen

Use the Card Summary Screen to view the location, type, status, and number of unused ports for all Network Bus Controller (NBC), Bus Repeater Card (BRC), network interface, and internal service circuit cards in the system. This screen also provides access to the Line Card and Trunk Card Configuration screens. However, you cannot add or delete cards with this screen. Table B-1 shows the correspondences between Card Summary screen fields and MIB objects.

Table B-1   Card Summary Screen Fields

Screen Fields	MIB Object	MIB Table
Location R L S	lcIndex	lcTable
Card Type	lcType	
Status	lcStatus	
Unused Ports	lcUnusedPorts	
Disp Card	N/A	N/A

Line Card Configuration Screen

Use the Line Card Configuration Screen to assign a name, default inpulse rule, and class of service (COS) to individual ports on a SLIC. However, you cannot add, delete, or assign cards to a resource group using this screen. Table B-2 shows the correspondences between Line Card Configuration screen fields and MIB objects.

Table B-2   Line Card Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Card Location	lcIndex	
Card Type	lcType	lcTable
Card Status	lcStatus	
Port (number)	lcPortIndex	
Name	lcPortName	lcPortTable
Group (number)	lcResGroupIndex	
Group Name	resGroupName	resGroupTable
Inpulse Rule	lcInpulseRuleIndex	lcPortTable
COS	lcPortCos	lcPortTable

Trunk Card Configuration Screen

Use the Trunk Card Configuration screen to assign a name, hardware type, default inpulse rule, and class of service (COS) to individual ports on a trunk card. Cards are not added, deleted, or assigned to a resource group using this screen. Table B-3 shows the correspondences between Trunk Card Configuration screen fields and MIB objects.

Table B-3   Trunk Card Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Card Location	tcIndex (Card Maintenance)	
Card Type	tcType (Card Maintenance)	tcTable
Card Status	tcStatus (Card Maintenance)	
Signaling Mode	N/A	N/A
Port (number)	tcPortIndex	tcPortTable
Trunk Name	tcPortName	
Group (number)	tcResGroupIndex	
Group Name	resGroupName	resGroupTable
Hdwr. Type	tcPortHwType	
Inpulse Rule	tcInpulseRuleIndex	tcPortTable
COS	tcPortCos	

Programmable Trunk Card Configuration Screen

Use the Programmable Trunk Card Configuration screen to modify span configuration and port signaling options, and access the Trunk Timing Configuration screen. Currently, the Four Span T1, Four Span E1, and MVDC-T1 cards provide programmable trunks. Table B-4 shows the correspondences between Programmable Trunk Card Configuration screen fields and MIB objects.

Table B-4   Programmable Trunk Card Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Span Location R, L, S	ptcIndex	ptcSpanTable
Card Type	ptcType (Card Maintenance)	
Txgain	ptcTxGain	
Rxgain	ptcRxGain	
TcClck	ptcTxClck	
RfClck	ptcRfClck	
Status	ptcStatus (Card Maintenance)	
Span Type	ptcSpanType	
Slip	ptcSlip	
OOF	ptcOutOfFrame	
Port (number)	progPortIndex	
Trunk Name	progPortName	progPortTable
Group (number)	progResGroupIndex	progPortTable
Group Name	resGroupName	resGroupTable
Sig Type	progSigType	progPortTable
Inpulse Rule	progInpulseRuleIndex	progPortTable
COS	progCos	progPortTable
Timing	N/A	N/A

Trunk Timing Configuration Screen

Use the Trunk Timing Configuration screen to specify the timing for each port on a programmable trunk card. Table B-5 shows the correspondences between Trunk Timing Configuration screen fields and MIB objects.

Table B-5   Trunk Timing Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Span Location R, L, S	ptcSpanNum	ptcSpanTable
Card Type	ptcType	ptcSpanTable
Status	ptcStatus	ptcSpanTable

Table B-5   Trunk Timing Configuration Screen Fields (continued)

Screen Fields	MIB Object	MIB Table
Port	progPortIndex	
Name	progPortName	
Wink-Det Min	progWinkMin	
Wink-Det Max	progWinkMax	
Wink Send	progWinkSend	progPortTable
Flash-Det Min	progFlashMin	
Flash-Det Max	progFlashMax	
Flash Send	progFlashSend	
OffHk Min	progOffHk	
Guard	progGuard	

PRI Card Configuration Screen

Use the PRI Card Configuration Screen to define the operating characteristics of the PRI/N card and assign port names to the B-channels on that card. Cards are not added, deleted, or assigned to a resource from this screen. Table B-6 shows the correspondences between PRI Card Configuration screen fields and MIB objects.

Table B-6   PRI Card Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Card Location: R, L, S	isdnRack isdnLevel isdnSlot	isdnCardTable
Type	isdnCardType	
Status	isdnCardStatus	
Display Protocol Parameters		
Access Type	isdnAccessType	
Switch Type	isdnSwitchType	
Span Length	isdnSpanLength	
TRX Clock	isdnTrxClock	
REF Clock	isdnRefClock	
SpanType	isdnSpanType	
CA IP Rule	isdnCaInpulseRuleIndex	isdnCard Table
NCA IP Rule	isdnNcaInpulseRuleIndex	
A/ Mu Law	isdnLaw	
Slip Maint Limit	isdnSlipLimit	
OOF Maint Limit	isdnOof	
Port	isdnIndex	

Table B-6   PRI Card Configuration Screen Fields (continued)

Screen Fields	MIB Object	MIB Table
Name	isdnPortName	isdnPortTable
Group	isdnResGroupIndex	
Grp Name	resGroupName	resGroupTable
COS	isdnPortCos	isdnPortTable

PRI Card Protocol Configuration Screen

Use the PRI Card Protocol Configuration screen to change how the PRI/N handles certain ISDN Link Layers and Network Layer parameters such as timers. Table B-7 shows the correspondences between PRI Card Protocol Configuration screen fields and MIB objects.

Table B-7   PRI Card Protocol Configuration Screen Field Fields

Screen Fields	MIB Object	MIB Table
Card Location: R, L, S	isdnRack isdnLevel isdnSlot	isdnCardTable
Type	isdnCardType	
Status	isdnCardStatus	
Access	isdnAccessType	
Switch Type	isdnSwitchType	
Restore Default Values	N/A	N/A

Table B-7   PRI Card Protocol Configuration Screen Field Fields (continued)

Screen Fields	MIB Object	MIB Table
Link Layer Parameters		
T200	isdnProtocolT200	
T201	isdnProtocolT201	
T203	isdnProtocolT203	
N200	isdnProtocolN200	
N201	isdnProtocolN201	
Window Size	isdnProtocolWindow Size	
Network Layer Parameters		
T303	isdnProtocolT303	
T305	isdnProtocolT305	isdnCardTable
T308	isdnProtocolT308	
T309	isdnProtocolT309	
T310	isdnProtocolT310	
T313	isdnProtocolT313	
T315	isdnProtocolT315	
T316	isdnProtocolT316	
T321	isdnProtocolT321	
T3M1	isdnProtocolT3M1	
TM01	isdnProtocolTM01	
NM01	isdnProtocolNM01	

ISDN Message Template Summary Screen

Use the ISDN Message Template Summary screen to view a listing of all messages for which a template has been defined and whether the template is an IDSN Receive Message Template (R) or and ISDN Transmit Message Template (T). This screen also provides access to the ISDN Message Template screens. Table B-8 shows the correspondences between ISDN Message Template Summary screen fields and MIB objects.

Table B-8   ISDN Message Template Summary Screen Fields

Screen Fields	MIB Object	MIB Table
No	isdnMessageTempIndex	
Message	isdnMessageTempMessage	isdnMessageTempTable
R/T	isdnMessageTempRT	
DSP	N/A	N/A

ISDN Message Templates Screens

Use the ISDN Message Templates screens to configure up to 96 templates for use in rule processing for ISDN calls. Table B-9 shows the correspondences between ISDN Message Templates screen fields and MIB objects.

Table B-9   ISDN Message Templates Screen Fields

Screen Fields	MIB Object	MIB Table
Tmpl	isdnMessageTempIndex	
Message	isdnMessageTempMessage	isdnMessageTempTable
R/T	isdnMessageTempRT	

ISDN Supervision Templates Screen

Use the ISDN Supervision Template screens to configure up to 24 supervision templates for use with the ISDN SUP [xx] outpulse rule token. Each template defines a set of system responses to the detection of specific ISDN messages, such as ALERTING, CONNECT, PROGRESS, and CALL PROC (Call Proceeding). Table B-10 shows the correspondences between ISDN Supervision Templates screen fields and MIB objects.

Table B-10   ISDN Supervision Templates Screen Fields

Screen Fields	MIB Object	MIB Table
Time	isdnSupTempTime	
Alerting	isdnSupTempAlerting	
Connect	isdnSupTempConnect	
Progress	isdnSupTempProgress	
CallProc	isdnSupTempCallProc	isdnSupTempTable
Conn Ack	isdnSupTempConnAck	
User Info	isdnSupTempUserInfo	
Congest	isdnSupTempCongest	
Facil Ack	isdnSupTempFacilAck	
Facil Rej	isdnSupTempFacilRej	

Port Display Screen

Use the Port Display screen to view current call processing activity for any port. This utility is a valuable debugging tool because it enables the application designer to watch a call's progress. You can also monitor call processing states, rule processing, links, paths, and digit collection activity from this screen.

The Port Display screen contains the following fields that are specific to ISDN channels:

• ISDN Port State

• ISDN Call State

• ISDN Call ID

Table B-11 shows the correspondences between Port Display screen fields and MIB objects.

Table B-11   Port Display Screen Fields

Screen Fields	MIB Object	MIB Table
R L S P	Rack, Level, Slot objects	isdnCardTable
PA	isdnPhyAdd	isdnCardTable
COS	isdnPortCos	isdnPortTable
Trace		
Host		
NBC	N/A	N/A
Voice		
Current State		
Major	isdnPortMajorState	isdnPortTable
Supplementary	isdnPortSuppState	isdnPortTable
In/Outpulse Rule	N/A	N/A
Token	N/A	N/A
Resource Group	isdnResGroupIndex	isdnPortTable
Conference	N/A	N/A
Current Links	N/A	N/A
R L S P	Rack, Level, and Slot objects	isdnCardTable
Listening to RLSP (voice path)		
PA		
ISDN IN-SERV I_CONNECT		
Conf/Assoc Port RLSP		
PA		
Call ID		
Port Pointer	N/A	N/A
Dynamic Data Pointer		
Start Record Pointer		
End Record Pointer		
Attempts		
Completions		
Errors/Threshold		
Rehunts/Threshold	resGrouptRhuntThres	resGroupTable

NFAS Group Summary Screen

Use the NFAS Group Summary screen to view a listing of NFAS groups and the number of B-channels in each group, name an NFAS group, and provide access to the NFAS Configuration screens. You can configure up to 37 NFAS groups for the system. Table B-12 shows the correspondences between NFAS Group Summary screen fields and MIB objects.

Table B-12   NFAS Group Summary Screen Fields

Screen Fields	MIB Object	MIB Table
No	nfasGroupIndex	nfasGroupTable
Name	nfasGroupName	nfasGroupTable
Count	N/A	N/A
Dsp	N/A	N/A

NFAS Configuration Screen

Use the NFAS Configuration screen to create NFAS Groups. An NFAS Group is a listing of all PRI/N and T1 cards for which a specific D-channel receives call control messages. Each group consists of the following components:

- A group name and number
- The R,L,S hardware address of the Primary D-channel
- The R,L,S hardware address of the Backup D-channel (optional)
- The R,L,S hardware address of each PRI/N and T1 card assigned to the group

Table B-13 shows the correspondences between NFAS Configuration screen fields and MIB objects.

Table B-13   NFAS Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Group ___or ____	nfasGroupIndex	
Group Name	nfasGroupName	
Primary D-Channel RLS	nfasGroupPriDChannelCardIndex	
State	nfasGroupPriDChannelState	
Backup D-Channel RLS	nfasGroupBkupDChannelCardIndex	nfasGroupTable
State	nfasGroupBkupDChannelState	
Cmd	nfasGroupCmd	
Interface		
R L S	nfasInterfaceCardIndex	nfasInterfaceTable
Status	isdnCardStatus	isdnCardTable
DSP	N/A	N/A

IPRC Card Configuration Screen

Use the IPRC Configuration Screen to define the IPRC configuration parameters. The IPRC Configuration Screen also contains display fields that show rack position, SCSI attached state, and card operating state. Table B-14 shows the correspondences between IPRC Card Configuration screen fields and MIB objects.

Table B-14   IPRC Card Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Card Location R, L, S	rcIndex	iprcTable
Status	rcStatus	
PCM Limit	iprcPcmLimit	
Playback Ports	iprcPlaybackPorts	
Record Channels	iprcRecChannels	
End of Record Chop	iprcEORecChop	
Checksum Verification Interval Timer	iprcChecksumTimer	
Allocated Prompt Capacity	iprcAlloPrompt	
Available Prompt Capacity	iprcAvaPrompt	
Supported Prompt Libraries	pmptLibName	pmptLibTable

Resource Group Summary Screen

Use the Resource Group Summary screen to name a resource group, specify the way in which resources of that group are selected for use, and provide access to the Resource Group Configuration screens. Table B-15 shows the correspondences between Resource Group Summary screen fields and MIB objects.

Table B-15   Resource Group Summary Screen Fields

Screen Fields	MIB Object	MIB Table
No (number)	resGroupIndex	resGroupTable
Name	resGroupName	
Hunt Type	resGroupHuntType	
Port CNT	resGroupPortCnt	
Thresholds RHunt	resGroupRhuntThres	
Thresholds Busy	resGroupBusyThres	
DSP	N/A	N/A

Resource Group Configuration Screen

Use the Resource Group Configuration screen to assign ports, or spans in a card to a resource group. You can add an entire span to a resource group, but not to the entire card. Each port can belong to only one resource group. The card or port information must already be entered into the database. Table B-16 shows the correspondences between Resource Group Configuration screen fields and MIB objects.

Table B-16   Resource Group Configuration Screen Fields

Screen Fields	MIB Objects	MIB Table
Resource Group	resGroupName	resGroupTable
Name	resGroupname	resGroupTable
Pos(ition)	resGroupPortPosition	resGroupPortTable
Port Name		Line or trunk card Port Table
Add/Delete/Card (A/D/C)	N/A	N/A
Pos(ition) R L S P	N/A	N/A

Inpulse Rules Table Screen

Use the Inpulse Rules Table screens to define inpulse rules for use in call processing. Table B-17 shows the correspondences between Inpulse Rules Table screen fields and MIB objects.

Table B-17   Inpulse Rules Table Screen Fields

Screen Fields	MIB Object	MIB Table
Rule #	inpulseRuleIndex	inpulseRuleTable
Token	inpulseRuleToken	inpulseRuleInstructionTable
Additional data field	inpulseRuleArg	inpulseRuleInstructionTable

Outpulse Rules Table Screen

Use the Outpulse Rules Table screens to define outpulse rules for use in call processing. Table B-18 shows the correspondences between Outpulse Rules Table screen fields and MIB objects.

Table B-18   Outpulse Rule Table Screen Fields

Screen Fields	MIB Object	MIB Table
Rule #	outpulseRuleIndex	outpulseRuleTable
Token	outpulseRuleToken	outpulseRuleInstructionTable
Additional data field	outpulseRuleArg	outpulseRuleInstructionTable

BRC Configuration Summary Screen

Use the BRC Configuration Summary screen to maintain a software listing of BRC hardware connections. When the system is equipped with redundant BRCs, this listing also indicates which BRC pair is active and which is standby. All BRCs in the system must be entered in the system database before they can be configured using this screen. A BRC is identified by its R,L,S hardware address. Table B-19 shows the correspondences between BRC Configuration Summary screen fields and MIB objects.

Table B-19   BRC Configuration Summary Screen Fields

Screen Fields	MIB Object	MIB Table
Master BRC	brcIndex	brcTable
Current Status	brcStatus	
Slave BRC	brcIndex	
Current Status	brcStatus	
Redundant Master BRC	brcRedMasterIndex	
Connect BRC at _ _ _to BRC at:_ _ _	brcConn	

Answer Supervision Templates

Use the Answer Supervision Template screens to configure answer supervision templates for use with WAIT SUP [xx] and FINAL SUP [xx] outpulse rule tokens. Each template is a set of system responses to the detection of specific signaling events. Signaling events include detection of call progress tones such as dial tone, ringback, busy tone, reorder, and special information (SIT) tones. Other recognized signaling events are voice detection, voice cessation, wink, true answer, grace timing, pager cue tones and hookflash. Table B-20 shows the correspondences between Answer Supervision Templates screen fields and MIB objects.

Table B-20   Answer Supervision Templates Screen Fields

Screen Fields	MIB Object	MIB Table
Dial Tone	ansSupTempDialTone	ansSupTempTable
Ringback	ansSupTempRingback	
Busy	ansSupTempBusy	
Reorder	ansSupTempReorder	
SIT Tones	ansSupTempSitTones	
Ring Cess(ation)	ansSupTempRingCess	
Voice Det(ection)	ansSupTempVoiceDet	
Voice Cess(ation)	ansSupTempVoiceCess	

Table B-20   Answer Supervision Templates Screen Fields (continued)

Screen Fields	MIB Object	MIB Table
Wink	ansSupTempWink	ansSupTempTable
Answer	ansSupTempAnswer	
Time	ansSupTempTime	
Hook Flash	ansSupTempHookFlash	
Pager Cue	ansSupTempPagerCue	
ISUP Tone	ansSupTempIsupTone	
ISUP Cess(ation)	ansSupTempIsupCess	

System Configuration Screens

System Configuration refers to the group of functions used to configure system interaction with peripheral equipment, storage devices, and host computers.

The tables in the following sections list the objects that relate to the fields on the system configuration screens in the *Cisco VCO/4K System Administrator's Guide.*

Peripheral Configuration Screen

Use the Peripheral Configuration screen to define operating parameters for system peripheral equipment. System peripherals can include local administration consoles, remote administration consoles connected to the system by a modem, and system printers.

System administration is performed with one of the following interface types:

- Local Video Display Terminal (VDT)
- Remote TTY
- Telnet TTY (if the system is equipped with the Ethernet Communications option)

In redundant systems the peripheral configuration information is not transferred over the update channel. Therefore, it must be configured for both CPUs. Table B-21 shows the correspondences between Peripheral Configuration Screen fields and MIB objects.

Table B-21   Peripheral Configuration Screen Fields

Screen Fields	MIB Objects	MIB Table
Local TTY		
Baud Rate	periphLocalBaud	
Stop Bits	periphLocalStop	
Keyboard Type	periphLocalKBType	
Bits/Char	periphLocalBits	
Parity	periphLocalParity	
Remote TTY		
Baud Rate	periphRemoteBaud	Peripheral Configuration Table
Stop Bits	periphRemoteStop	
Keyboard Type	periphRemoteKBType	
Bits/Char	periphRemoteBits	
Parity	periphRemoteParity	
Telnet TTY		
Keyboard Type	periphTelnetKBType	
Printer		
End of Line Terminator	periphPrinterEOL	

File System Configuration Screen

Use the File System Configuration screen to specify the storage devices and directories for storing and retrieving the following file systems:

- System log files
- System trace files

Table B-22 shows the correspondences between File System Configuration screen fields and MIB objects.

Table B-22   File System Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Boot/Download Files		
Default Device	fsBootDevice	
Default Directory	fsBootDirectory	
System Database Files		
Default Device	fsDatabaseDevice	
Default Directory	fsDatabaseDirectory	File System Table
System Log Files		
Default Device	fsLogDevice	
Default Directory	fsLogDirectory	
System Trace Files		
Default Device	fsTraceDevice	
Default Directory	fsTraceDirectory	

Host Configuration Screen

The Host Configuration utility consists of three screens: Host Configuration, System Features, and System Host Configuration. Users can press the Prev Field and Next Field keys to page through each screen's listing. Use the Print Screen key to obtain a hard copy of these screens. Table B-23 shows the correspondences between Host Configuration screen fields and MIB objects.

Table B-23   Host Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Interface	hostType	
Host Name	hostName	Host Configuration Table
Trace (1/0)	N/A	N/A

Table B-23   Host Configuration Screen Fields (continued)

Screen Fields	MIB Object	MIB Table
Protocol	hostProtocol	
Reset Time	hostResetTime	
Connect Password	hostPassword	
Rem. Inet. Addr.	hostAddress	
Failure Action	hostFailureAction	
Alarm State	hostAlarm	
Loc. Port	hostLocalPort	Host Configuration Table
Rem. Port	hostRemotePort	
Poll Timeout	hostPollTimeout	
Retry Counter	hostRetryCount	
Block Factor	hostBlockFactor	
Baud Rate	hostBaud	
Parity	hostParity	
Modem	hostModem	
Format	hostFormat	

Password Configuration Screen

Use the Password Configuration screen to create or change system passwords and set access levels for up to 16 users. The ability to update this configuration information is limited by a user's access level.

The Password Configuration screen has two main areas: a display area that lists the current users and their associated access levels, and a data entry area that enables adding, deleting, or changing of user password configuration information. Table B-24 shows the correspondences between Password Configuration screen fields and MIB objects.

Table B-24   Password Configuration Screen Fields

Screen Fields	MIB Object	Table
Username	userName	
Access Level	accessLevel	
Add/Del/Change	passwdEntryStatus	
Username	userName	passwdTable
Current Password	PasswdString	
New Password	PasswdString	
Access Level	accessLevel	
Verify Password	N/A	N/A

Clock/Calendar Configuration Screen

Use the Clock/Calendar Configuration screen to change the system date, time, and day-of-week settings. Time can also be reset by the host using the Configure VCA/Set System Clock ($C0 00) command. Table B-25 shows the correspondences between Clock/Calendar Configuration screen fields and MIB objects.

Table B-25   Clock/Calendar Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Day of Week	sysDay	
Month	sysMonth	
Date	sysDate	Clock/Calendar Configuration
Year	sysYear	
Hours	sysHour	
Minutes	sysMin	
Seconds	sysSec	

System Features Screen

Use the System Features configuration screen to view all currently enabled system features and to modify system operating characteristics to meet specific application requirements. Table B-26 shows the correspondences between System Features screen fields and MIB objects.

Table B-26   System Features Screen Fields

Screen Fields	MIB Object	MIB Table
Redundant Systems	featureRedundantSystem	
Output Periodic Alarm Reports	featureOutputPeriodicAlarmReports	
NoCard/Alarm Status at Init.	featureNoCardAlarmStatusAtInit	
Manual Intervention for SLIP/OOF	featureManualInterventionForSLIPOOF	
Enable Grace Timing on Null Rule	featureEnableGraceTimingOnNullRule	
Disable Card Error Report/Reset	featureDisableCardErrorReportReset	
Enable Digit Field Reporting	featureEnableDigitFieldReporting	
Suppress PSC/Rule Abort Messages	featureSuppressPSCRuleAbort Messages	
Enable Host Password Check	featureEnableHostPasswordCheck	
Force Bearer/Lap Activation	featureForceBearerLapActivation	
Enable MFC-R2 Supervised Clear	featureEnableMFCR2SupervisedClear	
Enable SLIC Guarded Disconnect	featureEnableSLICGuardedDisconnect	
Enable CPA Monitor Disconnect	featureEnableCPAMonitorDisconnect	
Revert to Basic Redundancy	featureRevertToBasicRedundancy	System Feature Table
Send Reports Before Guard Time	featureSendReportBeforeGuardTime	
Enable ISDN Manual Disconnect	featureEnableISDNManualDisconnect	
Send All ISDN Connect Reports	featureSendAllISDNConnectReports	
Enable $66 Cmd Host Checking	featureEnable66CmdHostChecking	
Cut Thru For Non-ISDN Alerting	featureCutThruForNonISDNAlerting	
Enable 4th Column DTMF	featureEnabel4thColumnDTMF	
Set MVDC Backplane to A-law	featureSet MVDCBackplaneToAlaw	

Software/Firmware Configuration Screen

The Software/Firmware Configuration screen displays the following items for the system controller (Side A or B) to which the system administration terminal is currently connected:

- Version, revision, field software revision (FSR), and checksum for all V4.0 Generic executable files on the floppy disk drive, hard disk drive, or loaded into system memory (DRAM)

- Version, revision, field software revision (FSR), and checksum for all data download files on the floppy disk drive (boot.sds file must be present), hard disk drive, or loaded into system memory (DRAM)

- Version and revision of the VRTX operating system currently installed

Table B-27 shows the correspondences between Software/Firmware Configuration screen fields and MIB objects.

Table B-27   Software/Firmware Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
VRTX OS	firmwareVrtxVersion	Firmware Version Table
IFX	firmwareIfxVersion	
TNX	firmwareTnxVersion	
Detailed Directory of Device	firmwareDevice	
VER. REV. FSR	firmwareGenericVersion	
File Name	firmwareExeName	firmwareExeTable
Ver. Rev. FSR	firmwareExeVersion	
Check Sum	firmwareExeChecksum	

License Configuration Screen

Use the License Configuration screen to update your Time-Slot Allocation License or display the system's current usage of time-slots. Table B-28 shows the correspondences between License Configuration screen fields and MIB objects.

Table B-28   License Configuration Screen Fields

Screen Fields	MIB Object	MIB Table
Number of Time-Slots Allocated	sysTimeSlotAllotted	sysLicenseTable
Number of Time-Slots Licensed	sysTimeSlotLicensed	
Number of Time-Slots Remaining	sysTimeSlotRemaining	
Serial Number	sysSerialNum	
License Number	sysLicenseNum	

System Host Configuration Screen

Use the System Host Configuration screen to define general system-wide host configuration parameters, including:

- Host setup timer functionality
- Response to all host link failure conditions
- Host control of call load
- Host control verification
- Distribution of new incoming calls
- Reporting no host alarms at initialization
- Reporting system initialization to all hosts

Table B-29 shows the correspondences between System Host Configuration screen fields and MIB objects.

Table B-29   System Host Configuration Screen Fields

Screen Fields	MIB Objects	MIB Table
Host Setup Timer	sysHostSetupTimer	System Host Configuration
All Host Link Failure Action	sysHostAllHostLinkFailureAction	
Host Control of Call Load	sysHostControlCallLoad	
Host Control Checking	sysHostControlChecking	
Incoming Call Distribution	sysHostIncomingCallDistribution	
No Host Alarm Reports At Init	sysHostNoAlarmReportsAtInit	
Report System Init to All Hosts	sysHostReportInitToAll	

Maintenance Screens

Maintenance refers to the group of functions used when changes are made to the system hardware or software.

Maintenance utilities enable the following tasks:

- Add, delete, or change the status of line, trunk, or service circuit cards in the system
- View directory listings on either the hard or floppy diskette
- Copy, delete, or rename files
- Backup or retrieve system database files
- Display the hex and ASCII contents of a file
- Format a hard or floppy disk
- Print or display system logs
- Print or display system trace files
- Switch the active controller in redundant systems
- Set internal, incoming, or external timing link selection for digital trunks
- Display alarm status of an individual card
- Display system alarm status
- Shutdown the system and close all system files
- Add, delete, edit, update, or test files in Voice Prompt Libraries

Card Maintenance Screen

From the Card Maintenance screen, you can

- Add cards to the database
- Delete cards from the database
- Change the status of a card
- Change the status of a port on a card
- Change the status of a span on a card

Table B-30 shows the correspondences between Card Maintenance screen fields and MIB objects.

Table B-30   Card Maintenance Screen Fields

Screen Fields	MIB Object	MIB Table
R L S	Rack, Level, and Slot object for each card	Card Tables
Card Type	Card Type object	
V. RV	Version and Revision objects	Line card and trunk card tables
S (tatus)	Status objects	Line card and trunk card tables
Add, Delete, Change Status	EntryStatus object	Card tables

Master Timing Link Selection Screen

Use the Master Timing Link Selection screen to select the system T1 or PRI timing source. Timing can be derived from system internal clocking or from an incoming T1 or PRI bit stream. If the incoming reference is lost when incoming timing is used, the system automatically tries to resynchronize using the internal clock. Table B-31 shows the correspondences between Master Timing Link Selection screen fields and MIB objects.

Table B-31   Master Timing Link Selection Screen Fields

Screen Fields	MIB Object	MIB Table
Current Timing Source	masTimingSource	Master Timing Link
Change Timing Source To	masTimingSource	
Incoming E1/T1/PRI Link		
Primary	masPrimaryTimingCardPhyAddr	
Secondary	masSecondaryTimingCardPhyAddr	

Card Alarm Display Screen

Use the Card Alarm Display function to view a listing of the current alarm conditions for all network interface and internal service circuit cards. Alarms pertaining to a specific card can also be located and viewed with this function. Alarm conditions are automatically set and cleared at system reboot. Table B-32 shows the correspondences between Card Alarm Display screen fields and MIB objects.

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Table B-32   Card Alarm Display Screen Fields

Screen Fields	MIB Object	MIB Table
Major/Minor Alarm	N/A	Card Tables
Card to Display	N/A	
R L S	<cardtype>Index	
Alarm State	<cardtype>Alarm	

System Alarm Display Screen

Use the System Alarm Display screen to view a listing of the types of alarms present on the system. If the alarm is caused by a card-related failure, the Card Alarm Display is used to determine its exact cause. You can also silence the external alarm contact on the AAC with this display. Table B-33 shows the correspondences between System Alarm Display screen fields and MIB objects.

Table B-33   System Alarm Display Screen Fields

Screen Fields	MIB Object	MIB Table
Alarm Severity	systemAlarmSeverity	systemAlarmTable
Audible Cutoff	N/A	N/A
Alarm Description	systemAlarmDescr	systemAlarmTable
Occurrences	systemAlarmOccur	systemAlarmTable

Prompt Library Maintenance Screen

The Prompt Library Maintenance screen provides access to multiple prompt libraries. The prompt library configuration information (library name and directory) is maintained automatically on both sides of a redundant controller. Table B-34 shows the correspondences between Prompt Library Maintenance screen fields and MIB objects.

Table B-34   Prompt Library Maintenance Screen Fields

Screen Fields	MIB Object	MIB Table
Library	pmptLibIndex	pmptLibTable
Name	pmptLibName	
Total Usage (mins.)	pmptLibTotalUsage	
Directory	N/A	N/A

Table B-34   Prompt Library Maintenance Screen Fields   (continued)

Screen Fields	MIB Object	MIB Table
ID	pmptFileId	
Filename	pmptFileName	
Version	pmptFileVersion	
Description	pmptFileDescription	
Law	pmptFileLaw	pmptFileTable
Duration	pmptFileLength	
Command	pmptAddFile, pmptDeleteFile, pmptUpdateFile, pmptTestFile	
Filename		
ID		

Diagnostic Screens

Diagnostics refers to the group of functions used to test or view the operating status of various system components. These functions are accessed from the Diagnostics menu.

Diagnostics utilities enable the following tasks:

- Creating voice paths between ports
- Displaying card or port data
- Displaying conference data
- Testing service circuit and network interface port cards
- Displaying virtual call generation port data
- Monitoring call progress tones during call processing
- Configure and enable or disable system message tracing

Card Display Screen

Use the Card Display screen to view the current status of any card in the system data base. This screen also provides access to the Port Display screen described later in this section. Table B-35 shows the correspondences between Card Display screen fields and MIB objects.

Table B-35   Card Display Screen Fields

Screen Fields	MIB Object	MIB Table
R, L, S	Card table objects	Card tables
Display Port Y/N	N/A	N/A
1st Port Adr	Port table objects	Port tables
Card Type	Card table objects	Card tables
FW	Card table objects	Card tables
Card Status	Card table objects	Card tables

Table B-35   Card Display Screen Fields (continued)

Screen Fields	MIB Object	MIB Table
Comm Errors	N/A	N/A
Poll queue	N/A	N/A
Port Available	Port table objects	Port tables
On (0)/ Off (1) Hook	N/A	N/A
Diagnostics	N/A	N/A
Voice Path Trace	N/A	N/A
NBC Msg. Trace	N/A	N/A
Host Msg. Trace	N/A	N/A
Alarm States	N/A	N/A

Port Display Screen

Use the Port Display screen to view current call processing activity for any port. This facility is a valuable debugging tool because it allows the application designer to watch a call's progress. Call processing states, rule processing, links, paths, and digit collection activity can all be monitored from the Port Display. Table B-36 shows the correspondences between Port Display screen fields and MIB objects.

Table B-36   Port Display Screen Fields

Screen Fields	MIB Object	MIB Table
R L S P	Port table Rack, Level, and Slot objects	
PA (Port address)	Port table PhyAdd objects	Port tables
COS	Port table COS object	
Trace		
Host		
NBC	N/A	N/A
Voice		
Current State		
Major	PortMajorState object	Card tables
Supplementary	PortSuppState object	
ISDN In-Serv	N/A	N/A
In/Outpulse Rule	PortInpulseRuleIndex	
Resource Group	PortResGroupIndex	Card tables

Table B-36   Port Display Screen Fields (continued)

Screen Fields	MIB Object	MIB Table
Listening to RLSIP	N/A	N/A
Conf/Assoc Port RLSIP		
PA		
Token		
Conference		
Current Links R L S P		
Call-ID		
Port Pointer		
Dynamic Data Pointer		
Start Record Pointer		
End Record Pointer		
Attempts		
Completions		
Errors/Threshold		
Rehunts/Threshold		

Unsupported Fields

The fields on the following screens are not supported by objects in the MIB. If you want to modify or see any of the information that is shown in any of these fields, use the system administrator's console.

- Screen Access Configuration
- Conference Menu
- Conference Display
- Service Circuit Port Test Utility
- Test Port Card
- Call Generation Ports Display
- Call Progress Tone Monitor
- System Trace Configuration

Unsupported Fields