

AXIS Command Line Interface

The preferred tool for configuring, monitoring, and controlling an AXIS shelf is StrataView Plus. However, the command line interface provides access to features that exist on the AXIS shelf but are not yet accessible through StrataView Plus. Also, when alarm conditions or other unwanted situations occur, the command line interface provides a lower level of access to the cards that StrataView Plus does not provide.

The AXIS commands in the table that follows are divided by major functional group. The table shows the complete name of the command, the cards from which the command can be invoked, and the page number of the command description. For more elaborate or supplemental information on the service module or ATM commands, refer to the chapters in this manual that describe the service module and ATM commands. Also, the *System Manual* provides conceptual information on the StrataCom implementation of frame relay and ATM.

The command line prompt shows the name of the shelf, the number of the shelf (which is always “1”), the slot number and type of the current card, and whether the card is in the active or standby state (“a” or “s”). The following is an example of the command line prompt:

```
kanchend.1.6.AUSM.a >
```

In this case, the current card is an active-state AUSM card in slot 6, and the name of the shelf is “kanchend.”

The command notation and argument parameters follow standard programming convention: a space separates the command and each parameter; required arguments are enclosed in “<>” marks; and optional parameters are enclosed in square brackets (“[]”). A vertical bar (|) represents the OR function.

Note When commands are entered with no parameters, a usage message appears, which shows syntax and valid ranges.

Table 1-1 Command List

Command	Description	ASC	FRSM	AUSM	CESM	IM-ATM	Page
Shelf Group							
clrcderrs	Clear Card Errors in BRAM	X	X	X		X	1-23
clrsmcnf	Clear Service Module Configuration						1-27
dspcderrs	Display Card Errors in BRAM	X	X	X		X	1-90
resetcd	Reset Card	X					1-144
dspcd	Display Card	X	X	X	X	X	1-87
dspcds	Display Cards	X					1-91
switchcc	Switch Core Cards	X					1-145
cnftrapmgr	Configure/Add/Delete Trap Managers	X					1-55
dsprtrapmgr	Display Trap Managers	X					1-137
clrbnmcnt	Clear BNM Cell Counter	X					1-22
dspbnmcnt	Display BNM Cell Counter	X					1-85
cnfclksrc	Configure Network Clock Source	X		X		X	1-39
dspclksrc	Display Current Clock Source	X		X		X	1-86
clrmsgcnt	Clear Control Message Counter	X	X	X	X	X	1-28
dspmsgcnt	Display Control Message Counter	X	X	X	X	X	1-119
dspsmcnf	Display Service Module Configuration						1-135
version	Version (displays version data for a card)	X	X	X	X	X	1-152
User Group							
adduser	Add User	X					1-14
cc	Change Card	X	X	X	X	X	1-16
clrscrn	Clear Terminal Screen	X	X	X	X		1-32
clrlog	Clear Event/Message Log	X					1-27
cnfpwd	Configure Password	X					1-50
deluser	Delete User	X					1-72
dsplog	Display Event/Message Log	X					1-113
dspusers	Display Users	X					1-141
Help	Help (list of commands per card)	X	X	X	X	X	1-142
users	Users	X					1-151
Node Group							
cnfname	Configure Shelf Name	X					1-44
cnfdate	Configure Date	X					1-40
cnftime	Configure Time	X					1-52
cnftmzn	Configure Time Zone	X					1-53
cnftmzngmt	Configure Time Zone to GMT	X					1-54
cnfifip	Configure LAN interface IP	X					1-41
dspifip	Display LAN interface IP	X					1-104

Command	Description	ASC	FRSM	AUSM	CESM	IM-ATM	Page
dspmaptbl	Display Map Table		X	X			1-117
addred	Add Redundancy	X					1-14
delred	Delete Redundancy	X					1-71
dspred	Display Redundancy	X					1-140
Alarm Group							
clralm	Clear Alarms on the Card	X	X	X	X	X	1-18
clralms	Clear All Alarms		X	X	X	X	1-21
dspalm	Display Alarms for a Line	X	X	X	X	X	1-19
dspalms	Display All Alarms on Card	X	X	X	X	X	1-83
dspalmcnf	Display Alarm Threshold Configuration	X	X	X	X	X	1-79
clralmcnt	Clear Alarm Counters/Statistics	X	X	X	X	X	1-19
dspalmcnt	Display Alarm Counters/Statistics (line)	X	X	X	X	X	1-81
dspalmcnts	Display Alarm Counters/Statistics (card)	X	X	X			1-20
dspshelfalm	Display Shelf Alarms	X					1-133
Line Group							
addln	Add Line (T1 or E1)		X	X	X	X	1-11
cnfln	Configure Line		X	X	X	X	1-43
delln	Delete Line		X	X	X	X	1-68
dspln	Display Line Configuration	X	X	X	X	X	1-109
dsplns	Display All Lines on Card	X	X	X	X	X	1-111
addlnloop	Add Line Loop			X	X	X	1-12
dellnloop	Delete Line Loop			X	X	X	1-62
Port Group							
addport	Add Port		X				1-13
cnfport	Configure FR Port(s)		X	X			1-46
cnfportq	Configure AUSM port queue			X			1-48
copyports	Copy Port Configuration		X	X			1-49
delport	Delete FR Port		X				1-69
delports	Delete Port Configurations		X	X			1-70
dspport	Display Port Configuration		X	X			1-120
dspports	Display All Ports		X	X			1-130
dspportstats	Display Port Statistics		X				1-125
clrportcnt	Clear Port Counters		X	X			1-29
clrportcnts	Clear Port Counters		X	X			1-30
dspportcnt	Display FR Port Counters		X	X			1-122
upport	Up Port			X			1-150
dnport	Down Port			X			1-73
dspportq	Display Port Queue			X		X	1-127

Command	Description	ASC	FRSM	AUSM	CESM	IM-ATM	Page
dspportqs	Display Port Queues			X			1-129
cnfilmi	Configure ILMI			X			1-42
dspilmi	Display ILMI			X			1-105
dspilmicnt	Display ILMI Counters			X			1-107
Channel Group							
addchan	Add Channel		X		X		1-8
addchanloop	Add a Channel Loopback		X	X	X		1-9
clrsarcnt	Clear SAR Counters	X	X	X	X		1-31
copychans	Copy Channel Configurations		X	X			1-60
delchan	Delete Channel(s)		X		X		1-64
delchanloop	Delete a Channel Loopback		X	X	X		1-65
delchans	Delete Channels		X	X			1-66
dspchan	Display Channel Configuration		X		X		1-93
dspchans	Display All Channels		X		X		1-98
dspchancnt	Display Channel Counters		X	X	X	X	1-95
dspchstats	Display Channel Statistics		X				1-99
dspsarcnt	Display SAR Counters	X	X	X	X		1-85
clrchancnt	Clear Channel Counter for FR Channels		X	X	X	X	1-24
clrchancnts	Clear Channel Counter for FR Channels		X	X	X		1-26
cnfchanpol	Configure Channel Policing		X				1-37
cnfchanfst	Configure Channel ForeSight		X	X			1-34
cnfchanq	Configure Channel Queue			X			1-38
Connection Group							
addcon	Add Connection			X			1-10
delcon	Delete Connection			X			1-67
dspcon	Display Connection			X			1-101
dspcons	Display Connections			X			1-103
dsploads	Display Loads			X			1-113
cnfupcabr	Configure ABR			X			1-57
cnfupccbr	Configure CBR			X			1-58
cnfupcvbr	Configure VBR			X			1-59
tstcon	Test Connection		X	X	X		1-146
tstconseg	Test Connection Segment			X			1-147
tstdelay	Test Delay		X	X	X		1-148
IMATM Group							
addaimgrp	Add AIM Group					X	1-6
addlns2aimgrp	Add Lines to AIM Group					X	1-7
clraimgrpct	Clear AIM Group Count					X	1-17
cnfaimgrp	Configure AIM Group					X	1-36

Command	Description	ASC	FRSM	AUSM	CESM	IM-ATM	Page
delaimgrp	Delete AIM Group					X	1-61
dellnsfmaimgrp	Delete Lines from AIM Group					X	1-63
dspaimgrp	Display AIM Group					X	1-74
dspaimgrpcnt	Display AIM Group Count					X	1-75
dspaimgrps	Display AIM Groups					X	1-76
dspdsx3ln	Display DS3 Line					X	1-138
dspdsx3lns	Display DS3 Lines					X	1-139

addaimgrp

This command adds an AIMUX group.

Full Name

Add AIM group

Syntax

addaimgrp <aimux_grp> <list_of_lines>

- <aimux_grp> is the AIMUX group number to be added (1..8)
- <list of lines> is the list of physical lines to be included in “aimux” separated by dots.

For example: addaimgrp “2 3.4.5” (Adds AIMUX group 2 with lines 3, 4 and 5)

Related Commands

delaimgrp, cnfaimgrps, dspaimgrp, dspaimgrps

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

Note There should not be any ATM UNI ports established with the same “port_n” since ATM ports and AIMUX groups both share the same set of port numbers

addlns2aimgrp

This command adds lines to an existing AIMUX group.

Full Name

Add lines to an AIM group

Syntax

addlns2aimgrp <aimux_grp> <list_of_lines>

<aimux_grp> is the AIMUX group to which lines should be added (1..8)

<list_of_lines> is the list of lines in the AIMUX group separated by dots.

Example: addlns2aimgrp "2 1.2" (Adds lines 1 and 2 to an existing AIMUX group number "2")

Related Commands

dellnsfmaimgrp

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

addchan

Add a channel to the current FRSM.
No messages appear on screen after command entry unless the command cannot execute as entered.

Full Name
Add channel

Syntax
addchan <chan_num> <port_num> <dlci_num> <cir> <chan_type>
where:

<chan_num>	channel number is in the range 16–271
<port_num>	port number is in the range 1–96
<dlci_num>	DLCI is in the range 0–1023
<cir>	committed information rate: 0–1536000 bps for T1; 0–2048000 bps for E1
<chan_type>	channel type has a range of 1–5, and their meaning is: 1=NIW, 2=SIW-transparent, 3=SIW-rlation, 4=FUNI, 5=frame forwarding

- Possible errors are:
- illegal/invalid parameters
 - channel already exists
 - port not enabled

Related Commands
delchan, dspchan, dspchans

Cards on which the command executes
FRSM

Attributes
Log: Yes State: Active Privilege: 1–2

addchanloop

Add a channel loopback to the current FRSM or AUSM. Causes the channel to loop at the SAR (segmentation and reassembly) stage.

No messages appear on screen after command entry unless the command cannot execute as entered.

Full Name

Add a channel loopback

Syntax

addchanloop <chan_num>

where:

<chan_num> channel number is in the range 16–271

Related Commands

delchanloop, tstcon, tstdelay

Cards on which the command executes

FRSM, AUSM

Attributes

Log: Yes State: Active Privilege: 1–4

addcon

Add a connection to the current AUSM.
No messages appear on screen after command entry unless the command cannot execute as entered.

Full Name
Add connection

Syntax
addcon <channel number> <connection type> <port number> <vpi> <vci> <service type> <egress queue number>
where:

<channel number>	channel number has a range of 16–271
<connection type>	connection type is either 1 for VPP or 2 for VCC
<port number>	port number is in the range 1–4
<vpi>	vpi has a value in the range 0–255
<vci>	vci has a value in the range 0–65535
<service type>	service type can be: 1 = CBR, 2 = VBR, and 3 = ABR
<egress queue number>	the egress queue number can be specified as 1–12, and 0 is for the default in addcon

Related Commands
delcon, dspcons, dspcon

Cards on which the command executes
AUSM

Attributes
Log: Yes State: Active Privilege: 1–2

Example 1 Description
addcon 16 2 1 1 1 3 1
Add a VCC connection to channel 16 on port 1 with vpi=1, vci=1, ABR service type, and an egress queue number of 1

addln

The **addln** command adds a T1 or E1 line to the current card.

Full Name

Add line

Syntax

addln <line number>

Related Commands

cnfln, delln, dspln

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1

Example 1 Description System Response

addln 1

Add a line numbered 1 to the current card (AUSM or FRSM)

addInloop

This command puts a T1 or E1 line in a loopback state for the current card.

Full Name

Add line loop

Syntax

addInloop <line number>

where:

<line number> value from 1–8, used for AUSM–8T/8E1 and IMATM

Related Commands

delInloop

Cards on which the command executes

AUSM, FRSM, IMATM

Attributes

Log: Yes State: Active Privilege: 1

addport

The **addport** command adds a service port to the shelf's configuration.

The screen does not display a message after successful command entry.

Full Name

Add a port

Syntax

addport <port_num> <line_num> <ds0_speed> <begin_slot> <num_slot> <port_type>

where:

<port_num>	numbers in the range 1–96 are valid
<line_num>	value ranging from 1 to 4
<ds0_speed>	1 for 56K, 2 for 64K
<begin_slot>	beginning timeslot number in the T1 or E1 frame
<num_slot>	number of consecutive timeslots in the T1 or E1 frame
<port_type>	is either 1, 2 or 3: 1 = frame relay, 2 = FUNI, 3=frame forwarding

Related Commands

addportlpbk, cnfport, delport, dspport, dspports

Cards on which the command executes

FRSM

Attributes

Log: Yes State: Active Privilege: 1

addred

This command links two AXIS slots (a primary slot and a secondary slot) so that like cards in these slots are treated as a redundant pair of cards. Redundancy can be 1:1 or 1:N, if 1:N, one secondary slot must be linked to N primary slots through multiple execution of this command.

Full Name
Add Redundancy

Syntax
addred <PrimarySlotNum> <SecondarySlotNum> <RedType>
where:

- <PrimarySlotNum> the slot number of the slot containing the primary card of the card pair. Range = 5–14
- <SecondarySlotNum> the slot number of the slot containing the secondary card of the card pair. Range = 12–14
- <RedType> the type of redundancy. 1 = 1:1, 2 = 1:N

Related Commands
dspred, delred

Cards on which the command executes
ASC

Attributes
Log: No State: Active Privilege: 1–6

adduser

Add a user to the shelf configuration. The added user cannot have a privilege level that is higher than the current user. No screen output appears unless an error in the input occurred.

Full Name

Add user

Syntax

adduser <user ID> <privilege level>

where:

<user ID> a name for the user.

<privilege level> Privilege is the highest level of access the user has.

Related Commands

dspusers, deluser

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–6

CC

Changes the card into which the user is logged. If a card slot is empty, an error message appears.

Full Name

Change card

Syntax

cc <slot number>

where:

<slot number> is the card slot to which the screen display should change

Related Commands

switchcc

Cards on which the command executes

ASC, FRSM, AUSM, IMATM

Attributes

Log: No State: Any state Privilege: 1–6

clraimgrpnt

This command clears all the AIMUX related counters for all lines in an AIMUX group.

Full Name

Clear AIM group count

Syntax

clraimgrpnt <aimux_grp>

where:

<aimux_grp> is the AIMUX group number

Related Commands

delaimgrpnt

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

clralm

The **clralm** command clears alarms on a specified line on the current card. Alarms occurring after this command executes are not affected. If alarms on a line are cleared with this command, the results may be observable through the **dspalm** command

This command can clear alarms caused only by the collection of statistical data. Alarms caused by network failure cannot be cleared. For example, an alarm caused by a collection of bipolar errors can be cleared, but an alarm caused by a card failure cannot.

Full Name

Clear alarm

Syntax

For an ASC:

clralm <-ds3> <LineNum>

-ds3 <LineNum> where LineNum = 1–n, n = 1 if BNM

or

clralm <-e3> <LineNum>

-e3 <LineNum> where LineNum = 1–n, n = 1 if BNM

or

clralm <-plcp> <PLCPNUM>

-plcp <PLCPNum> where PLCPNum = 1–n, n = 1 if BNM

For an FRSM:

clralm <-ds1> <LineNum>

where

<LineNum> LineNum = 1–n, n = 4 if FRSM

Related Commands

clralms, dspalm, dspalms

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–5

clralmcnt

The **clralmcnt** command clears all the alarm counters and statistics on the specified line on the current card. All counters are reset to zero. The terminal does not display a response unless an error exists in the syntax.

Full Name

Clear alarm counters/statistics

Syntax

clralmcnt <-ds3 LineNum> | <-e3 LineNum> | <-plcp PLCPNum> | <-ds1 LineNum>

where:

On an ASC, <-ds3 LineNum> and <-plcp PLCPNum> and <-e3 LineNum> = 1

On an FRSM, <-ds1 LineNum> is in the range 1–4.

On an AUSM, <-ds1 LineNum> is in the range 1–4.

Related Commands

dspalmcnt, clralmcnts

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–5

clralmcnts

The **clralmcnts** command clears all the alarm counters and statistics on the current card. All counters are reset to zero. The terminal does not display a response unless an error exists in the syntax.

Full Name

Clear all alarm counters/statistics on the current card.

Syntax

clralmcnts

Related Commands

dspalmcnt, clralmcnt

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–5

clralms

The **clralm** command clears alarms on the current card. Alarms occurring after this command executes are not affected.

This command can clear alarms caused only by the collection of statistical data. Alarms caused by network failure cannot be cleared. For example, an alarm caused by a collection of bipolar errors can be cleared, but an alarm caused by a card failure cannot.

Full Name

Clear alarms on card

Syntax

clralm <-ds1> <LineNum>

where:

<LineNum> LineNum = 1–4

Related Commands

clralm, dspalm, dspalms

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–5

clrbnmcnt

The **clrbnmcnt** command clears the cell counter on the BNM card and resets it to zero. The count resumes for cells transmitted after **clrbnmcnt** executes. The BNM counters hold the number of ATM cells transmitted and the number of ATM cells received.

Full Name

Clear BNM cell counter

Syntax

clrbnmcnt

Related Commands

dspbnmcnt

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–5

clrcderrs

The **clrcderrs** command clears all card-related errors in an AXIS shelf card. No response messages appear on screen. Refer to the **dspcderrs** description to see an example of the errors that this command clears, or execute **dspcderrs** before and after **clrcderrs**.

Full Name

Clear hardware/reset errors in BRAM

Syntax

clrcderrs

Related Commands

dspcderrs

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: Superuser

clrchancnt

This command clears the channel counters for a specified frame relay channel on an FRSM or AUSM. Counting resumes after the command executes.

Full Name

Clear channel counters

Syntax

clrchancnt <channel number>

where:

<channel number> is in the range 16–271.

Related Commands

dspchan, clrchancnts, dspchancnt

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–5

The frame relay counters for each channel are:

- Received frames
- Received bytes
- Received frames DE
- Received bytes DE
- Received frames discarded
- Received bytes discarded
- Received frames discarded for shelf alarms
- Received frames discarded for exceeded queue depth
- Received bytes discarded for exceeded queue depth
- Received frames discarded for exceeded DE threshold
- Received frames FECN
- Received frames BECN
- Received frames tagged FECN
- Received frames tagged BECN
- Received frames tagged DE

- Transmitted frames
- Transmitted bytes
- Transmitted frames BECN
- Transmitted frames FECN
- Transmitted frames DE
- Transmitted bytes DE
- Transmitted frames discarded
- Transmitted bytes discarded
- Transmitted frames discarded for exceeded queue depth
- Transmitted bytes discarded for exceeded queue depth
- Transmitted frames discarded for exceeded DE threshold
- Transmitted frames discarded for physical layer fail
- Transmitted frames discarded for CRC error
- Transmitted frames discarded for reassembly failure
- Transmitted frames discarded for source abort
- Transmitted frames during LMI logical port alarm
- Transmitted bytes during for LMI logical port alarm
- Transmitted frames tagged FECN
- Transmitted frames tagged BECN

clrchancnts

The **clrchancnts** command clears the channel counter for all frame relay channels on the current FRSM. Counting resumes for frame relay transmissions occurring after the command executes. For a list of the frame relay counters, refer to the description of **clrchancnt**.

Full Name

Clear channel counters

Syntax

clrchancnts

Related Commands

dspchan, clrchancnt, dspchancnt

Supported Cards

FRSM, AUSM

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–3

clrlog

The **clrlog** command clears the error/event message log. The log resumes updating after this command executes.

Full Name

Clear event/message log

Syntax

clrlog

Related Commands

dsplog

Cards on which the command executes

ASC, FRSM

Attributes

Log: No State: Any Privilege: 1

clrmsgcnt

The **clrmsgcnt** command clears the control message counters. The control message counters are as follows:

- Number of control Frames transmitted to SAR (from RISC) maintained by RISC
- Number of control Frames received from SAR (to RISC) maintained by RISC
- Number of control Frames transmitted to RISC from SAR maintained by SAR (should be equal to (riscRcvCtrlMsg)
- Number of control Frames received to SAR from RISC maintained by SAR (should be equal to (riscXmtCtrlMsg)
- Total control (management) cells discarded due to illegal length error
- Total control (management) cells discard due to illegal CRC error
- Count of discarded control message due to unknown channel error.
- The control cell header Rcvd of the last unknown channel
- The control cell header Rcvd of the last unknown channel

Full Name

Clear control message counter

Syntax

clrmsgcnt

Related Commands

dspmsgcnt

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–5

clrportcnt

The **clrportcnt** command is used to clear the values of a port's counter on the current AUSM or FRSM.

No message appears upon successful execution of the command.

Full Name

Clear port count

Syntax

clrportcnt <port number>

where:

On an AUSM, <port number> is in the range 1-4.

On an FRSM, <port number> is in the range 1-96.

Related Commands

clrportcnts, dspportcnt

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1-5

clrportcnts

The **clrportcnts** command clears all port counts on the current FRSM or AUSM.
No messages appear on screen after command entry unless the command cannot execute as entered.

Full Name
Clear port counts

Syntax
clrportcnts

Related Commands
clrportcnt, dspportcnt

Cards on which the command executes
FRSM, AUSM

Attributes
Log: No State: Any Privilege: 1–5

clrsarcnt

The **clrsarcnt** command clears the Segmentation and Reassembly (SAR) counters. The SAR counter are:

- Number of cells transmitted on this channel.
- Number of CLP cells that were transmitted on this channel.
- Number of AIS cells that were transmitted on this channel.
- Number of FERF cells that were transmitted on this channel.
- Number of BCM cells that were transmitted on this channel.
- Number of End2End loop cells that were transmitted on this channel.
- Number of segment loop cells that were transmitted on this channel
- Number of cells discard due to Shelf alarm on this channel
- Number of cells that were received on this channel.
- Number of CLP cells that were received on this channel.
- Number of AIS cells that were received on this channel.
- Number of FERF cells that were received on this channel.
- Number of BCM cells that were received on this channel.
- Number of End2End loop cells that were received on this channel.
- Number of segment loop cells that were received on this channel.
- Number of cells that had the CRC error on this channel

Full Name

Clear SAR counters

Syntax

clrsarcnt

Related Commands

dspsarcnt

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–5

clrscrn

The **clrscrn** command clears the control terminal screen. After this command executes, only the current command line prompt appears on the screen.

Full Name

Clear terminal screen

Syntax

clrscrn

Related Commands

none

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–6

clrsmcnf

The **clrsmcnf** command clears configuration elements for all the service modules on the shelf. The elements this command clears are as follows:

- The existence of a configuration
- Whether rate control is on or off
- Whether the card is channelized
- The number of the MIB version

Full Name

Clear service module configuration

Syntax

clrsmcnf

Related Commands

dspsmcnf

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: 1–2

cnfchanfst

The **cnfchanfst** command configures the ForeSight parameters for a frame relay or ATM channel. No messages appear on screen unless an error occurs.

Full Name

Configure channel ForeSight

Syntax

For FRSM:

cnfchanfst <chan_num> <fst_enable> <mir> <pir> <qir>

where:

<chan_num>	channel number range is 16–271
<fst_enable>	ForeSight Enable—1 for enable, 2 for disable
<mir>	minimum rate—10–8000 in cell/sec, default 1000
<pir>	peak rate—10–8000 in cell/sec, default 1000
<qir>	quiescent rate—10–8000 in cell/sec, default 1000

For AUSM:

cnfchanfst <chan_num> <enable | disable> <fgcra_enable> <ibs> <pcr> <mcr> <icr>

where:

<chan_num>	channel number range is 16–271
<enable disable>	enable/disable pertains to Foresight: 1 = disable, 2 = enable
<fgcra_enable>	FGCRA enable is for the specified channel: 1 = disable, 2 = enable
<ibs>	ibs is the initial burst size in the range 10–5000 cells
<pcr>	pcr is the peak cell rate in the range 11–8000 cells/second
<mcr>	mcr is the minimum cell rate in the range 11–8000 cells/second
<icr>	icr is the initial cell rate in the range 11–8000 cells/second

Related Commands

dspchan

Cards on which the command executes

FRSM, AUSM

Attributes

Log: Yes

State: Active

Privilege: 1–2

cnfaimgrp

This command configures the parameters of an AIMUX group.

Full Name

Configure AIM group

Syntax

cnfaimgrp <aimux_grp> -rwdiff <read_wr_ptr_diff> -severity <link_loss_severity> -maxdiff <maximum_diff_delay> -red <num_red_links>

where:

- <aimux_grp> is the AIMUX group number for this group (1..8)
- <read_wr_ptr_diff> is the difference between the read and write pointer maintained (1..8)
- <link_loss_severity> is the seriousness of a single link failure (1: m)
- <maximum_diff_delay> is the maximum tolerable differential delay between (range TBD)
- <num_red_links> is the number of redundant links in the AIMUX group

Related Commands

addaimgrp, delaimgrp, dspaimgrp, dspaimgrps

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

Note Redundant link(s) indicates the number of link(s) the system can lose without bringing down the AIMUX group. However, the link_loss_severity option overrides this feature.

The <read_wr_ptr_diff> value cannot be decreased from its existing value-- it can only be increased (this is because decreasing the <read_wr_ptr_diff> in an established AIMUX group involves dropping cells that are stored in the delay compensation buffer.

cnfchanpol

The **cnfchanpol** command configures the frame relay parameters for a channel. No messages appear on screen unless an error occurs.

Full Name

Configure channel policing

Syntax

cnfchanpol <chan_num> <cir> <bc> <be> <ibs> <detag>

where:

<chan_num>	value ranging from 16 to 271
<cir>	0–1536000 bps for T1, 0–2048000 bps for E1
<bc>	0–65535 in bytes
<be>	0–65535 in bytes
<ibs>	0–65535 in bytes. Less than or equal to Bc
<detag>	1 for enable, 2 for disable

Related Commands

dspchan

Cards on which the command executes

FRSM

Attributes

Log: Yes State: Active Privilege: 1–2

cnfchanq

The **cnfchanq** command configures a channel’s queue parameters on the current AUSM. No messages appear on screen unless an error occurs.

Full Name

Configure channel queue

Syntax

cnfchanq <chan_num> <vc_q_depth> <clp_thresh_high> <clp_thresh_low> <efci_thresh>

where:

<chan_num>	is in the range 16–271
<vc_q_depth>	Ingress Q Depth: 0–8000 Cells
<clp_thresh_high>	CLP Threshold High : 1–8000 Cells
<clp_thresh_low>	CLP Threshold Low: 1–8000 Cells
<efci_thresh>	EFCI Threshold: 1–8000 Cells

Related Commands

dspchan

Cards on which the command executes

AUSM

Attributes

Log: Yes State: Active Privilege: 1–2

cnfclksrc

Configures primary, secondary, or internal clock source. Any combination of clocks are configurable and in any order.

Full Name

Configure clock source

Syntax

cnfclksrc -pri <PrimaryClkSrc> -sec <SecondaryClkSrc> -cur <currentClkSrc> -imp <ExternalClkImpedance>

where:

- -pri <PrimaryClockSource> where PrimaryClockSource = 1–3
1: Internal 2: BNM Inband 3: External
- -sec <PrimarySecondarySource> where SecondaryClockSource = 1–3
1: Internal 2: BNM Inband 3: External
- -cur <CurrentClockSource> where CurrentClockSource = 1–3,
1: Primary 2: Secondary 3: Internal
- -imp <ExternalClkSrcImpedance > where ExternalClkSrcImpedance = 2–3
2: 100 ohms, 3: 120 ohms

Related Commands

dspclksrc

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: 1

cnfdate

The **cnfdate** command configures the date.

Full Name

Configure date

Syntax

cnfdate <mm/dd/yy>

Related Commands

none

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: Superuser

Example 1 Description

cnfdate 11/24/95

Configure the date to be 11/24/95

System Response

```
kanchend.1.3.ASC.a > cnfdate 11/24/95
```

```
    Date = 11/24/95
```

cnfifip

The **cnfifip** command configures the interface address. The configurable addresses are for LAN, Inband ports, and ATM.

Full Name

Configure interface address

Syntax

cnfifip -ip <ip addr> -if <Interface> -msk <NetMask> -bc <Broadcast addr>

where:

-ip <IP addr>	where IP addr = nnn.nnn.nnn.nnn,
-if <Interface>	where Interface is as follows: • 26 for Ethernet • 28 for Slip • 37 for ATM
-msk <NetMask>	where NetMask = nnn.nnn.nnn.nnn,
-bc <BroadcastAddr>	where BroadcastAddr = nnnnnnnnnnnn (hexadecimal)

Related Commands

dspifip

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: Superuser

Example 1Description

cnfifip -ip 192.169.3.18 -if 28 -msk 255.255.255.000 -bc 192.169.3.18

Configure the IP address of the card. See example screen for cnfifip.

cnfilmi

The **cnfilmi** command configures a port’s local management interface. No messages appear on screen unless an error occurs.

Full Name
Configure ilmi

Syntax
cnfilmi <port_num> <signal_type> <vpi> <vci> <scr> <trap_enable> <min_trap_int>
<keep_alive>
where:

- <port_num> is a port number in the range 1–4
- <signal_type> is the signalling type: 1 = other, 2 = no signalling, and 3 = ILMI
- <vpi> is the virtual path identifier in the range 0–259
- <vci> is the virtual circuit identifier in the range 0–65535
- <trap_enable> is the ILMI trap enable: 1 = disable, 2 = enable
- <min_trap_int> is the minimum trap interval in the range 1–10 secs.
- <keep_alive> is the enable for Keep Alive Polling: 1 = disable, 2 = enable

Related Commands
dspilmi, dspilmicnt

Cards on which the command executes
AUSM

Attributes
Log: Yes State: Active Privilege: 1

cnfln

The **cnfln** command configures a line on the current card to be either T1 or E1. If the command line does not include the E1 signalling parameter, the line is a T1.

Full Name

Configure line

Syntax

cnfln <line_num> <line_code> <line_len> <clk_src> [E1-signalling]

where:

<line_num>	values in the range 1–4
<line_code>	line coding: 2 for B8ZS, 3 for HDB3, 4 for AMI
<line_len>	line length: 1–7 for T1, 8–9 for E1
<clk_src>	clock source: 1 for loop clock; 2 for local clock
[E1-signalling]	CAS: CAS, no CRC CAS_CRC: CAS with CRC CCS: CCS no CRC CCS_CRC: CCS with CRC CLEAR: Clear E1

Related Commands

addln, delln

Cards on which the command executes

FRSM, AUSM

Attributes

Log: Yes State: Active Privilege: 1

Example 1 Description

cnfln 4 2 1 1

Configure line 4 to be T1 with B8ZS line coding, have a length of 1, and use the loop clock as a clock source.

System Response

No system response unless an error occurs

cnfname

The **cnfname** command configures a name for the shelf. The name can be up to 20 characters. The name can consist of letters, numbers, and the special characters “_” and “-.” It must begin with a letter and cannot contain spaces. The name is case sensitive.

Full Name

Configure shelf name

Syntax

cnfname <node name>

Related Commands

none

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: Superuser

Example 1 Description

cnfname Kanchendzonga

The prompt returns with the new name. However, on the command line the name is truncated because of the other information displayed in the prompt.

System Response

```
WIPRO_B.1.3.ASC.a > cnfname Kanchendzonga  
11/14/95-07:03:57 3 StrataCom 0 cnfname Kanchendzonga
```

```
Kanchend.1.3.ASC.a >
```

cnfport

The **cnfport** command configures a service port on an FRSM or an AUSM.

The screen does not display a message after successful command entry. The configuration can be verified using the **dspport** command.

The syntax for this command is differs according to the service module being addressed.

Summary for FRSM

Full Name
Configure port

Syntax
cnfport <port_num> <lmi_sig> <asyn> <T391> <T392> <N391> <N392> <N393> <CLLMEN>
<CLLMTM>

where:

<port_num>	port number is in the range of values 1–96
<lmi_sig>	LMI signalling: 1 = Other, 2 = None, 3 = StrataLMI, 4 = AnnexAUNI, 5 = AnnexDUNI, 6 = AnnexANNI, 7 = AnnexDNNI
<asyn>	asyn update is (y)es or (n)o
<T391>	T391 timer is in the range 5–30 sec.
<T392>	T392 timer is in the range 5–30 sec.
<N391>	N391 counter is in the range 1–255
<N392>	N392 counter is in the range 1–10
<N393>	N393 counter is in the range 1–10
<CLLMEN>	CLLM Enable is either 1 = Disable or 2 = Enable
<CLLMTM>	CLLM Timer is in the range 40–5000 ms

Possible errors are:

- illegal/invalid parameters
- port doesn't exist, use addport command to add port first
- LMI NNI not enabled

Related Commands
addport, delport, dspport, dspports

Cards on which the command executes

FRSM

Attributes

Log: Yes

State: Active

Privilege: 1–6

Summary for AUSM

Full Name

Configure port

Syntax

cnfport <port_num> <plpp loopback>

where:

<port_num> is in the range of values 1–4

<plpp loopback> 1 = no loopback, 2 = remote loopback, 3 = local loopback

Related Commands

addport, delport, dspport, dspports

Cards on which the command executes

AUSM

Attributes

Log: Yes

State: Active

Privilege: 1

cnfportq

The **cnfportq** command configures a port’s queue parameters on the current AUSM. No messages appear on screen unless an error occurs.

Full Name

Configure port queue

Syntax

cnfportq <port_num> <q_num> <q_algo> <service_seq> <q_depth> <clp_high> <clp_low>
<efci_thres>

where:

<port_num>	port_num is a port number in the range 1–4
<q_num>	queue 3 is the queue number in the range 1–16
<q_algo>	queue algorithm is the queue algorithm in the range 1–5, 0 = disable queue
<service_seq>	service sequence is the service sequence number in the range 1 -16
<q_depth>	queue depth is the maximum queue depth in the range 1–8000 cells
<clp_high>	clp high is the high Cell Loss Priority in the range 1–8000 cells
<clp_low>	clp low is the low Cell Loss Priority in the range 1–8000 cells
<efci_thres>	efci threshold is the EFCI threshold in the range 1–8000 cells

Related Commands

Cards on which the command executes

AUSM

Attributes

Log: Yes State: Active Privilege: 1

copyports

The **copyports** command copies a port configuration to one or more ports. The purpose of this command is to create and configure multiple ports from a single port that serves as a template.

Full Name

Copy ports

Syntax

copyports <template port #> <start port #> <start time slot> <# of ports>

where:

<template port #>	template port # is the number of the port to be copied
<start port #>	start port # is the port to be copied
<start time slot>	start time slot is the starting time slot in the port to be copied
<# of ports>	# of ports is the number of contiguous time slots to be copied

Related Commands

delpport, delpports

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1

cnfpwd

The **cnfpwd** command configures a password. Prompts appear for the old and new passwords when the command is entered (without arguments).

Full Name

Configure password

Syntax

cnfpwd

then <old password>

then <new password>

then <new password again>

Related Commands

none

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1-6

Example 1 Description

cnfpwd

System Response

```
old password:  
new password:  
verify new password:
```

cnftime

The **cnftime** command configures the time. The shelf uses a 24-hour clock.

Full Name
Display time

Syntax
cnftime <hh:mm:ss>

Related Commands
none

Cards on which the command executes
ASC

Attributes
Log: Yes State: Active Privilege: Superuser

Example 1 Description
cnftime 14:22:03

System Response

```
kanchend.1.3.ASC.a > cnftime 14:11:22
11/14/95-14:11:22 3  tDbgCmdTask 1220 informational      : TIME/DATE updated
11/14/95-14:11:22 3  StrataCom    0 cnftime 14:11:22
```

cnftmzn

The **cnftmzn** command configures the timezone in the shelf.

Full Name

Configure timezone

Syntax

cnftmzn <timezone>

where:

<timezone> timezone is 1 for GMT, 2 for EST, 3 for CST, 4 for MST, 5 for PST

Related Commands

cnftime, cnfdate

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: Superuser

Example 1 Description

cnftmzn 3

Configures the timezone in the shelf to U.S. Central Standard Time

System Response

cnftmzngmt

The **cnftmzngmt** command configures the timezone in the shelf relative to GMT.

Full Name

Configure timezone relative to GMT

Syntax

cnftmzngmt <timeoffsetGMT>

where:

<timeoffsetGMT> timeoffsetGMT is the offset, in hours, from GMT. Permissible values are with the range -12 to 12

Related Commands

cnftime, cnfdate

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: Superuser

Example 1 Description

cnftmzngmt 4

Sets time zone in the shelf to GMT plus 4 hours

System Response

cnftrapmgr

The **cnftrapmgr** command enables or disables the trap manager function. If enabled, this command configures the number and IP address of the trap manager that is to receive traps. Once the trap manager is configured, the system does not display the configuration. Only errors in the configuration appear on screen.

Full Name

Configure/delete/add trap manager

Syntax

cnftrapmgr <-ip> <ip_addr> -pt<portnum> <MgrRowStatus> -tf<TrapFlag> -seq <SeqNum>

where:

- -ip ip_addr = nnn.nnn.nnn.nnn, n = 0-9, and nnn < 256
- MgrRowStatus = 1-3, 1: AddRow 2: DelRow 3: ModRow
- -tf <Trap Flag>
- -seq <SeqNum>

Related Commands

dsptrapmgr

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: Superuser

Example 1a Description

cnftrapmgr -ip 192.169.3.102 -pt 3 MgrRowStatus 1 -tf 1 -seq 00

System Response

```
cnftrapmgr -ip 192.169.3.102 -pt 3 MgrRowStatus 1 -tf 1 -seq 00
```

cnfupcabr

The **cnfupcabr** command configures a connection's bandwidth control parameters for the available bit rate (ABR) connection type on the current AUSM. No messages appear on screen unless an error occurs.

Full Name

Configure user parameter control available bit rate

Syntax

cnfupcabr <chan_num> <enable> <pcr[0+1]> <cdvt[0+1]> <scr> <scr_police> <mbs> <clp_tag>

where:

<chan_num>	chan_num is a channel number in the range 16–271
<enable>	enable is the enabled/disable for UPC : 1 = Disable, 2 = Enable
<pcr[0+1]>	pcr[0+1] is the peak cell rate: the range is 10–4670 cells per sec.
<cdvt[0+1]>	cdvt[0+1] is the cell delay variation [0+1]: the range is 1–250000 micro secs
<scr>	scr is the sustained cell rate: the range is 1–4670 cells per second
<scr_police>	scr_police specifies the type of scr policing: 1 = CLP[0] Cells, 2 = CLP[0+1] Cells, and 3 = no SCR policing
<mbs>	mbs is the maximum burst size: the range is 1–5000 cells
<clp_tag>	clp_tag is the enable for CLP tagging: 1 = disable, 2 = enable

Related Commands

dspcon, dspcons, cnfupcabr, cnfupcvbr

Cards on which the command executes

AUSM

Attributes

Log: Yes State: Active Privilege: 1–2

cnfupccbr

The **cnfupccbr** command configures a connection’s bandwidth control parameters for the constant bit rate (CBR) connection type on the current AUSM. No messages appear on screen unless an error occurs.

Full Name
Configure user parameter control constant bit rate

Syntax
cnfupccbr <chan_num> <enable/disable> <pcr[0+1]> <cdvt[0+1]> <pcr[0]> <cdvt[0]> <clp_tag>
where:

- <chan_num> chan_num is a channel number in the range 16–271.
- <enable/disable> enable/disable the UPC: 1 = disable, 2 = enable.
- <pcr[0+1]> PCR [0+1] is peak cell rate: the range is 10–4670.
- <cdvt[0+1]> CDVT[0+1] is Cell Delay Variation [0+1]: range is 1-250000 micro secs.
- <pcr[0]> PCR [0] is peak cell rate: the range is 10–4670.
- <cdvt[0]> CDVT[0] is Cell Delay Variation [0]: the range is 1–250000 microsecs.
- <clp_tag> clp_tag is Clp Tagging enable/disable: 1 = disable, 2 = enable.

Related Commands
dspcon, dspcons, cnfupcabr, cnfupcvbr

Cards on which the command executes
AUSM

Attributes
Log: Yes State: Active Privilege: 1–2

cnfupcvbr

The **cnfupcvbr** command configures a channel's bandwidth control parameters for a variable bit rate (VBR) connection type on the current AUSM. No messages appear on screen unless an error occurs.

Full Name

Configure user parameter control variable bit rate

Syntax

cnfupcvbr <chan_num> <enable> <pcr[0+1]> <cdvt[0+1]> <scr> <scr_police> <mbs> <clp_tag>

where:

<chan_num>	chan_num is a channel number in the range 16–271.
<enable>	enable is the enabled/disable for UPC: 1 = Disable, 2 = Enable.
<pcr[0+1]>	pcr[0+1] is the peak cell rate: the range is 10–4670 cells per sec.
<cdvt[0+1]>	cdvt[0+1] is the cell delay variation [0+1]: range is 1–250000 microseconds.
<scr>	scr is the sustained cell rate: the range is 1–4670 cells per second.
<scr_police>	scr_police specifies the type of scr policing: 1= CLP[0] Cells, 2 = CLP[0+1] Cells, and 3 = no SCR policing.
<mbs>	mbs is the maximum burst size: the range is 1–5000 cells.
<clp_tag>	clp_tag is the enable for CLP tagging: 1 = disable, 2 = enable.

Related Commands

dspcon, dspcons, cnfupcabr, cnfupccbr

Cards on which the command executes

AUSM

Attributes

Log: Yes State: Active Privilege: 1–2

copychans

The **copychans** command copies a channel configuration to one or more channels. The purpose of this command is to create and configure multiple channels from the channel that serves as a template.

Full Name

Copy channels

Syntax

copychans <template chan #> <start chan #> <start dlci> <# of chans>

where:

<template chan #>	template chan #
<start chan #>	start chan #
<start dlci>	start dlci for FRSM, start vci for AUSM
<# of chans>	# of chans

Related Commands

delchan, delchans

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1

delaimgrp

This command deletes an AIMUX group.

Full Name

Delete AIMUX group

Syntax

delaimgrp <aimux_grp>

where:

<aimux_grp> is the AIMUX group number to be deleted (1..8)

Related Commands

addaimgrp, cnfaimgrps, dspaimgrp, dspaimgrps

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

For example: delaimgrp “2 ” (deletes AIMUX group 2)

delInloop

This command removes a T1 or E1 line loopback state for the current card.

Full Name

Delete line loop

Syntax

delInloop <line number>

where:

<line number> value from 1–4, used for FRSM, AUSM and IMATM

Related Commands

addInloop

Cards on which the command executes

AUSM, IMATM, FRSM

Attributes

Log: Yes State: Active Privilege: 1

delnsfmaimgrp

This command deletes lines to an existing AIMUX group.

Full Name

Deletes lines from an AIM group

Syntax

delnsfmaimgrp <aimux_grp> <list_of_lines>

where:

<aimux_grp> is the AIMUX group from which lines should be deleted (1..8)

<list_of_lines> is the list of lines to be deleted from the AIMUX group separated by dots.

Example: delnsfmaimgrp “2 3.5” (Deletes lines 3 and 5 from AIMUX group “2”)

Related Commands

addlns2aimgrp

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

delchan

Deletes a frame relay channel from an FRSM.

No messages appear on screen after command entry unless the command cannot execute as entered.

Full Name

Delete channel

Syntax

delchan <channel number>

where:

<channel number> channel number is in the range 16–271

Related Commands

dspchan, addchan, cnfchan

Cards on which the command executes

FRSM,AUSM

Attributes

Log: Yes State: Active Privilege: 1–2

delchanloop

Delete a channel loopback from the current FRSM or AUSM.

No messages appear on screen after command entry unless the command cannot execute as entered.

Full Name

Delete a channel loopback

Syntax

delchanloop <chan_num>

where:

<chan_num> channel number is in the range 16–271

Related Commands

addchanloop, tstcon, tstdelay

Cards on which the command executes

FRSM, AUSM

Attributes

Log: Yes State: Active Privilege: 1–4

delchans

The **delchans** command deletes a range of frame relay or ATM channels.

Full Name
Delete channels

Syntax
delchans <start chan #> <# of chans>
where:

<start chan #>	start chan #
<# of chans>	# of chans

Related Commands

Cards on which the command executes
FRSM, AUSM

Attributes
Log: No State: Active Privilege: 1

delcon

Deletes a connection from an AUSM.

No messages appear on screen after command entry unless the command cannot execute as entered.

Full Name

Delete a connection

Syntax

delcon <connection number>

where:

<connection number> connection number is in the range 16–271

Related Commands

addcon, dspcons, dspcon

Cards on which the command executes

AUSM

Attributes

Log: Yes State: Active Privilege: 1–2

delln

The **delln** command deletes a line from the current card.

Full Name

Delete line

Syntax

delln <line number>

Related Commands

dspln, addln, cnfln

Cards on which the command executes

FRSM, AUSM

Attributes

Log: Yes State: Active Privilege: 1

Example 1 Description

delln 4

Delete line 4 from the current card.

System Response

No system response unless an error occurs.

delport

The delport command deletes a port from an FRSM or AUSM.

No messages appear on screen with successful completion of this command.

Full Name

Delete port

Syntax

delport <port-number>

Related Commands

addport, cnfport, dspport, dspports

Cards on which the command executes

FRSM

Attributes

Log: Yes State: Active Privilege: 1

delports

The **delports** command deletes a specified number of contiguous port configuration.

Full Name

Delete ports

Syntax

delports <start port #> <# of ports>

where:

<start port #> start port # is the port to be deleted

<# of ports> # of ports is the number of contiguous time slots to be deleted

Related Commands

copyports

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1

delred

Delete a redundancy link for the specified primary AXIS slot.

Full Name

Delete Redundancy

Syntax

delred <PrimarySlotNumber>

where:

<PrimarySlotNumber> is the AXIS slot number for which the link to a redundant secondary slot is to be deleted. Range = 5–14

Related Commands

dspre, addredr

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–6

deluser

Delete a user from the list of users that can log onto the shelf. No screen output appears unless an error in the input occurred.

Full Name

Delete user

Syntax

adduser <user ID> <privilege level>

where:

- <user ID> is a name for the user.
- <privilege level> is the access privilege of the user. This privilege level can be no higher than the level of the user that is entering this command.

Related Commands

dspusers, adduser

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–6

dnport

The **dnport** command downs a port. No messages appear on screen unless an error occurs.

Full Name

Down port

Syntax

dnport <PortNum>

where:

<PortNum> PortNum = 1–4

Related Commands

upport

Cards on which the command executes

AUSM

Attributes

Log: No State: Active Privilege: 1

dspaimgrp

This command displays the parameters of an AIMUX group.

Full Name

Display AIM group

Syntax

dspaimgrp <aimux_grp>

where:

<aimux_grp> is the AIMUX group number for the group to be displayed (1..8)

Related Commands

addaimgrp, delaimgrp, cnfaimgrps, dspaimgrps

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

dspaimgrpct

This command displays all the AIMUX related counters for a line in an AIMUX group.

Full Name

Display AIM group count

Syntax

dspaimgrpct <aimux_grp> <line_num>

where:

<aimux_grp> is the AIMUX group number

<line_num> is the line number

Related Commands

clraimgrpct

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

dspaimgrps

This command displays the parameters of all current AIMUX groups.

Full Name

Display AIM group

Syntax

dspaimgrps

Related Commands

addaimgrp, delaimgrp, cnfaimgrps, dspaimgrp

Cards on which the command executes

IMATM

Attributes

Log: Yes State: Active Privilege: 1–2

dspalm

The **dspalm** command displays the alarms for a line.

Full Name

Display alarms for a line

Syntax

dspalm [<-ds3> | <-e3> | <plcp> | <-ds1> <LineNum>

for

-ds1, <LineNum> is in the range 1–4

-ds3, <LineNum> = 1

-e3, <LineNum> = 1

-plcp, <PLCPNum> = 1

Related Commands

clralm, dspalms

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspalm -plcp 1

On an ASC, display any alarm on the PLCP line.

System Response

PLCPNum:

1

PLCPAlarmState:

No Alarm

PLCPStatisticalAlarmState:

No Statistical Alarms

dspalmcnf

The **dspalmcnf** command displays the threshold information about the alarm statistics being collected.

Full Name

Display alarm configuration

Syntax

dspalmcnf <-ds3 LineNum> | <-e3 LineNum> | <-plcp PLCPNum> | <-ds1 LineNum>

where:

On an ASC, <LineNum> and <PLCPNum> = 1

On an FRSM, <LineNum> is in the range 1–4.

Related Commands

dspalm, dspalms

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspalmcnf -ds1 1

Display the alarm configuration for line 4 on the current FRSM (slot 7 in this example).

System Response

Line	Severity	AlarmUpCount	AlarmDnCount	AlarmThreshold
	Red / RAIS			
		NE / FE	NE / FE	NE / FE
7.4	Major/Minor	6/1	1500/6	1/1500

Example 2 Description

dspalmcnf -ds3 1

Display the alarm configuration for the current ASC.

System Response

LineNum:	1	
RedSeverity:	Major	
RAISeverity:	Minor	
NEAlarmUpCount:	6	
NEAlarmDnCount:	1	
NEAlarmThreshold:	150	
FEAlarmUpCount:	6	
FEAlarmDnCount:	1	
FEAlarmThreshold:	150	
StatisticalAlarmSeverity:	Minor	
LCV15minThreshold:	3870	
LCV24hrThreshold:	38650	
LES15minThreshold:	86	
LES24hrThreshold:	864	PSES24hrThreshold: 40
LSSES15minThreshold:	4	SEFS15minThreshold: 120
LSSES24hrThreshold:	40	SEFS24hrThreshold: 1200
PCV15minThreshold:	382	AISS15minThreshold: 120
PCV24hrThreshold:	3820	AISS24hrThreshold: 1200
PES15minThreshold:	86	UAS15minThreshold: 120
PES24hrThreshold:	864	UAS24hrThreshold: 1200
PSES15minThreshold:	4	

dspalmcnt

The dspalmcnt command displays the alarm counters and statistics.

Full Name

Display alarm count

Syntax

dspalmcnt

Syntax ASC:

```
dspalmcnt "-ds3 <LineNum>"
```

-ds3 <LineNum> where LineNum = 1–n, n = 1 if BNM

or

```
dspalmcnt "-e3 <LineNum>"
```

-e3 <LineNum> where LineNum = 1–n, n = 1 if BNM

or:

```
dspalmcnt "-plcp <PLCPNum>"
```

-plcp <PLCPNum> where PLCPNum = 1–n, n = 1 if BNM

Syntax FRSM:

```
dspalmcnt "-ds1 <LineNum>"
```

-ds1 <LineNum> where LineNum = 1–4

Related Commands

clralmcnt, clralmcnts

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

```
dspalmcnt -ds3 1
```

Display alarm count for line 1 of an ASC.

System Response

LineNum:	1	
LCVCurrent:	0	
LCVLast15minBucket:	0	
LCVLast24hrBucket:	0	
LESCurrent:	0	
LESLast15minBucket:	0	
LESLast24hrBucket:	0	
LSESCurrent:	0	
LSESLast15minBucket:	0	
LSESLast24hrBucket:	0	
PCVCurrent:	0	
PCVLast15minBucket:	0	SEFSLast24hrBucket: 0
PCVLast24hrBucket:	0	AISSCurrent: 0
PESCurrent:	0	AISSLast15minBucket: 0
PESLast15minBucket:	0	AISSLast24hrBucket: 0
PESLast24hrBucket:	0	UASCCurrent: 0
PSESCurrent:	0	UASLast15minBucket: 0
PSESLast15minBucket:	0	UASLast24hrBucket: 0
PSESLast24hrBucket:	0	PercentEFS: 100
SEFSCurrent:	0	RcvLOSCount: 1
SEFSLast15minBucket:	0	Rcv00FCount: 1
SEFSLast24hrBucket:	0	RcvRAICount: 4
AISSCurrent:	0	RcvCCVCount: 0
AISSLast15minBucket:	0	RcvFECCount: 0
AISSLast24hrBucket:	0	
UASCCurrent:	0	
UASLast15minBucket:	0	
UASLast24hrBucket:	0	
PercentEFS:	100	
RcvLOSCount:	1	

Example 2 Description

dspalmcnt -ds1 1

Display alarms and counters for line 1 on the current FRSM

System Response

Line	RcvLOSCount	Rcv00FCount	RcvRAICount	RcvFECCount
-----	-----	-----	-----	-----
11.1	1	2	17	2

dspalms

The **dspalms** command displays the alarms on the card.

Full Name

Display all alarms on a card

Syntax

dspalms -<lineType>

where:

-<lineType> lineType can be ds3, plcp, or ds1

Related Commands

dspalm

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspalms -ds1

Display alarms on the current FRSM (slot 7, in this case)

System Response

Line	AlarmState	StatisticalAlarmState
7.1	Alarm(s) On	No Statistical Alarms
7.2	No Alarms	No Statistical Alarms
7.3	No Alarms	No Statistical Alarms
7.4	No Alarms	No Statistical Alarms

dspbnmcent

The **dspbnmcent** command displays the cell counters on the BNM.

Full Name

Display BNM cell counter

Syntax

dspbnmcent

Related Commands

clrbnmcent

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspbnmcent

System Response

```
Port  RcvCells  XmtCells
1     17319744  33521472

PortCounterNumOfValidEntries: 1
CellbusXmtCellCount:         147842
CellbusNoAckCellCount:       147812
CellbusGrantCount:           158267
EgressXmtCellCountDuringAlarm: 16
EgressInvalidCellCount:      10424
EgressInvalidCellHdr:        0
IngressInvalidCellCount:     0
IngressInvalidCellHdr:       0
```

dspclksrc

The **dspclksrc** command displays the current clock source.

Full Name

Display current clock source

Syntax

dspclksrc

Related Commands

cnfclksrc

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspclksrc

System Response

```
PrimaryClockSource: Internal Oscillator
SecondaryClockSource: External T1/E1 from C.O.
CurrentClockSource: Internal Oscillator
ClockSwitchState: NoChange
ExtClkPresent: Not Present
ExtClkSrcImpedance: 75 ohms
ExtClkConnectorType: BNC
```

dspcd

This command displays characteristics of the current card's hardware and firmware and information on its status. Card characteristics include serial number and hardware and firmware revision levels. Status may include the reason for the last reset (FunctionModuleRestReason) and state of the integrated alarm (cardIntegratedAlarm), which can be useful in debugging the card or the BPX, respectively. Some of the information is common to the **version** command display, but **version** shows boot code version in bold.

Full Name

Display card

Syntax

dspcd

Related Commands

cnfcd, dspcds, version

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspcd

On an AUSM:

System Response

```
ModuleSlotNumber:      14
FunctionModuleState:    Active
FunctionModuleType:     AUSM-4T1
FunctionModuleSerialNum: FNTYPE
FunctionModuleHWRev:    fk
FunctionModuleFWRev:    model-A 2.0.00
FunctionModuleResetReason: Reset by ASC from PIO
LineModuleType:         LM-DB15-4T1
LineModuleState:        Present
mibVersionNumber:       4
configChangeTypeBitMap: CardCnfChng, LineCnfChng
cardIntegratedAlarm:    Minor
cardMinorAlarmBitMap:   Channel failure

axis3.1.14.AUSM.a >
```

Example 2 Description

dspcd

On an ASC:

System Response

```
ModuleSlotNumber:      4
FunctionModuleState:    Active
FunctionModuleType:     ASC
FunctionModuleSerialNum: 152698
FunctionModuleHWRev:    p1
FunctionModuleFWRev:    eqa2.0g
FunctionModuleResetReason: WatchDog timeout reset
LineModuleType:         LM-ASC
LineModuleState:        Present
mibVersionNumber:       0
configChangeTypeBitMap: No changes
cardIntegratedAlarm:    Clear
```

Example 3 Description

dspcd

On an FRSM:

System Response

```
ModuleSlotNumber:      7
FunctionModuleState:    Active
FunctionModuleType:     FRSM-4T1
FunctionModuleSerialNum: 189142
FunctionModuleHWRev:    aj
FunctionModuleFWRev:    eqa2.0g
FunctionModuleResetReason: Power reset
LineModuleType:         LM-DB15-4T1
LineModuleState:        Present
mibVersionNumber:       4
configChangeTypeBitMap: CardCnfChng, LineCnfChng
cardIntegratedAlarm:    Clear
```

dspcderrs

The **dspcderrs** command displays information on the card errors.

Full Name
display card errors

Syntax
dspcderrs

Related Commands
clrcderrs

Cards on which the command executes
ASC, FRSM, AUSM

Attributes
Log: No State: Any Privilege: 1–6

Example 1 Description
dspcderrs
Note that, if no errors have occurred, no messages appear on screen.

System Response

```
dspcderrs
08/05/95-18:53:05 tRootTask    3 Task failed      : scm
09/05/95-09:14:08 tRootTask    3 Task failed      : scm
value = 0 = 0x0
```

dspcds

The **dspcds** command displays the status of all the cards in the AXIS shelf.

Full Name

Display card shelf information

Syntax

dspcds

Related Commands

dspcd

Cards on which the command executes

ASC

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspcds

Executed from an ASC:

System Response

```
Slot  CardState  CardType  CardAlarmStatus
-----
1.1    Standby    BNM-T3
1.2    Active     BNM-T3
1.3    Standby    ASC
1.4    Active     ASC
1.5    Active     FRSM-4T1  Major
1.6    Active     FRSM-4T1
1.8    Active     FRSM-4T1
1.9    Empty
1.10   Active     FRSM-4T1
1.11   Active     FRSM-4T1
1.12   Active     FRSM-4T1
1.13   Active     FRSM-4T1
1.14   Active     FRSM-4T1
1.15   Standby    SRM-4T1/E1
1.16   Active     SRM-4T1/E1

BkplnSerialNum:
NumOfValidEntries: 16
NodeName:          AXISNAME
Date:              11/22/95
Time:              07:40:03
TimeZone:          PST
TimeZoneGMTOff:    -8
StatsMasterIpAddress: 0.0.0.0
ShelfIntegratedAlarm: Major

Syntax : dspcds
```

dspchan

Displays a frame relay channel on an FRSM.

Full Name

Display channel

Syntax

dspchan <channel number>

where:

<channel number> channel number is in the range 16–271

Related Commands

dspchans, cnfchan

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspchan 69

Display the channel characteristics of channel 69.

System Response

ChanNum:	69
ChanRowStatus:	Mod
ChanPortNum:	1
ChanDLCI:	100
EgressQSelect:	1
IngressQDepth:	65535
IngressQDEThresh:	32768
IngressQECNThresh:	65535
EgressQDepth:	65535
EgressQDEThresh:	32768
EgressQECNThresh:	6553
DETaggingEnable:	Disabled
CIR:	24000
BC:	5100
Be:	5100
IBS:	100
ForeSightEnable:	Enabled
QIR:	260
MIR:	62
PIR:	500
ChanLocalRemoteLpbkState:	Enabled
ChanTestType:	TestOff
ChanTestState:	NotInProgress
ChanRTDresult:	65535 ms
ChanType:	NIW
ChanFECNmap:	setEFCIzero
ChanDEtoCLPmap:	mapCLP
ChanCLPtoDEmap:	mapDE
ChanNumNextAvailable:	17

For an AUSM, the display is the same as for the **dspcon** display.

dspchancnt

Displays the counter contents of a channel.

Full Name

Display channel count

Syntax

dspchancnt <channel number>

where:

<channel number> channel number is in the range 16–271

Related Commands

dspchancnts

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspchancnt 69

Display the counters for channel 69 of the current FRSM

System Response

	ChanNum:	69	
	ChanState:	okay	
	ChanUpTime:	10186	
		Tx	Rx
		-----	-----
AbitState:		Sending A=1	Receiving A=1
ATMState:		Not sending any state	Not receiving any state
Total Frames:	0		0
Total Bytes:	0		0
Frames DE:	0		0
Bytes DE:	0		0
Frames Discarded:	0		0
Bytes Discarded:	0		0
FramesDiscXceedQDepth:	0		0
BytesDiscXceedQDepth:	0		0
FramesDiscXceedDEThresh:	0		0
Frames FECN:	0		0
Frames BECN:	0		0
FramesTagged FECN:	0		0
FramesTagged BECN:	0		0
KbpsAIR:	0		0
FramesTaggedDE:	0		0
BytesTaggedDE:	0		0
RcvFramesDiscShelfAlarm:			0
XmtFramesDiscPhyLayerFail:	0		
XmtFramesDiscCRCError:	0		
XmtFramesDiscReAssmFail:	0		
XmtFramesDiscSrcAbort:	0		
XmtFramesDuringLMIAAlarm:	0		
XmtBytesDuringLMIAAlarm:	0		
RcvFramesDiscUPC:			0
XmtFramesInvalidCPIS:	0		
XmtFramesLengthViolations:	0		
XmtFramesOversizedSDUs:	0		
XmtFramesUnknownProtocols:	0		
RcvFramesUnknownProtocols:			0

Example 2 Description

dspchancnt 16

Display the counters for channel 16 of the current AUSM

System Response

```
ChanNum: 16
ChannelState: Active
ChannelEgressRcvState: Normal
ChannelEgressXmitState: Normal
ChannelIngressRcvState: Normal
ChannelIngressXmtState: Normal
ChanInServiceSeconds: 1126725
ChanIngressPeakQDepth(cells): 1
ChanIngressReceiveCells: 41160574
ChanIngressClpSetCells: 0
ChanIngressEfciSetRcvCells: 0
ChanIngressUpcClpSetCells: 0
ChanIngressQfullDiscardCells: 1
ChanIngressClpSetDiscardCells: 0
ChanIngressTransmitCells: 41160574
ChanShelfAlarmDiscardCells: 0
```

Syntax : dspchancnt "chan_num"
channel number -- value ranging from 16 to 271

dspchans

This command displays all the frame relay channels on the card.

Full Name
Display channels

Syntax
dspchans

Related Commands
dspchan, addchan, delchan

Cards on which the command executes
FRSM, AUSM

Attributes
Log: No State: Any Privilege: 1–6

Example 1 Description
dspchans
Display the channels on the current FRSM.

System Response

DLCI	Chan	EQ	I/EQDepth	I/EQDEThre	I/EECNThre	Fst/DE	Type	Alarm
11.1.1.100	69	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.101	70	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.102	71	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.103	72	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.104	73	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.105	74	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.106	75	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.107	76	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.108	77	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.109	78	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.110	79	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.111	80	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.112	81	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.113	82	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.114	83	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.1.115	84	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.2.100	85	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.2.101	86	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.2.102	87	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No
11.1.2.103	88	1	65535/65535	32768/32768	65535/6553	Ena/Dis	NIW	No

Type <CR> to continue, Q<CR> to stop:

For an AUSM, the display is the same as for the **dspcon** display

dspchstats

Displays the current statistics of a channel.

Full Name

Display channel statistics

Syntax

dspchstats <line#><1st_DS0><DLCI>

where:

<line#> line# is in the range 1–4

<1st_DS0> 1st_DS0 is in the range of 1 -24 for T1, 1–32 for E1

<DLCI> DLCI is the connection for which the statistics are to be displayed

Related Commands

dspchstats

Cards on which the command executes

FRSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspchstats 2.4.1000

Display the counters for line 1, 1st_DS0 of 4, and DLCI or 1000 for the current FRSM

System Response

Physical Port Num: 4			lineNum:	1
Logical Port Num: 2				
ChanDLCI: 1000				
ChanNum: 1				
			ChanState:	okay
			ChanUpTime:	10186
			Tx	Rx
			-----	-----
AbitState:			Sending A=1	Receiving A=1
ATMState:			Not sending any state	Not receiving any state
Total Frames:			0	0
Total Bytes:			0	0
Frames DE:			0	0
Bytes DE:			0	0
Frames Discarded:			0	0
Bytes Discarded:			0	0
FramesDiscXceedQDepth:			0	0
BytesDiscXceedQDepth:			0	0
FramesDiscXceedDEThresh:			0	0
Frames FECN:			0	0
Frames BECN:			0	0
FramesTagged FECN:			0	0
FramesTagged BECN:			0	0
KbpsAIR:			0	0
FramesTaggedDE:			0	0
BytesTaggedDE:			0	0
RcvFramesDiscShelfAlarm:				0
XmtFramesDiscPhyLayerFail:			0	
XmtFramesDiscCRCError:			0	
XmtFramesDiscReAssmFail:			0	
XmtFramesDiscSrcAbort:			0	
XmtFramesDuringLMIAAlarm:			0	
XmtBytesDuringLMIAAlarm:			0	
RcvFramesDiscUPC:				0
XmtFramesInvalidCPIs:			0	
XmtFramesLengthViolations:			0	
XmtFramesOversizedSDUs:			0	
XmtFramesUnknownProtocols:			0	
RcvFramesUnknownProtocols:				0

dspcon

Displays configuration data for a connection.

Full Name

Display connection

Syntax

dspcon <channel number>

where:

<channel number> channel number is in the range 16–271

Related Commands

addcon, delcon, dspcons

Cards on which the command executes

AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspcon 16

Display the connection parameters for channel 16.

System Response

ChanNum:	16
RowStatus:	Add
ConnectionType:	VCC
ServiceType:	CBR
PortNum:	1
VPI:	10
VCI:	100
EgressQNum:	1
IngressQDepth (cells):	100
IngressQCLPHigh (cells):	70
IngressQCLPLow (cells):	60
IngressEfciThreshold (cells):	50
CompliantCellDelayVariation (micro secs):	0
CompliantInfoRate (cells/sec):	0
InitialBurstSize (cells):	0
MaxFrameSize (cells):	0
PeakInformationRate (cells/sec)	1000
CLPTagEnable:	Disabled
FrameGCRAEnable:	Disabled

dspcons

Displays details of all connections between the current AUSM and the BNI to which the current shelf attaches.

Full Name

Display connections

Syntax

dspcons

Related Commands

dspcon, addcon, delcon

Cards on which the command executes

AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspcons

Display parameters for the connections on the current AUSM.

System Response

Chan	Port.VPI.VCI	ConnType	Service Type	PCRlot1	Q-Depth	State
30	1.10.100	VCC	ABR	3622	2000	Active
33	1.10.200	VPC	CBR	3622	100	Alarm

dspifip

The **dspifip** command displays the interface addresses configured for the card. These addresses can be Ethernet, Slip, and ATM.

Full Name
Display LAN IP configuration

Syntax
dspifip

Related Commands
cnfifip

Cards on which the command executes
ASC

Attributes
Log: No State: Any Privilege: 1–6

Example 1 Description
dspifip
Display the IP LAN configuration.

System Response

IPAddress	Interface	NetMask	BroadcastAddress
-----	-----	-----	-----
192.168.3.18	Ethernet	255.255.255.000	192.168.3.18
0.0.0.0	Slip	255.255.255.000	N/A
0.0.0.0	ATM	255.255.255.000	N/A

dspilmi

The **dspilmi** command displays the interim local management interface (ILMI) configuration.

Full Name

display ilmi

Syntax

dspilmi <port_num>

where:

<port_num> port_num is in the range 1–4

Related Commands

cnfilmi, dspilmicnt

Cards on which the command executes

AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspilmi 1

Display the ILMI configuration for port 1.

System Response

Port Num:

1

Signalling:

No signalling

SignallingVPI:

0

SignallingVCI:

0

ILMITrap:

Disabled

ILMI-Min-Trap-Interval (secs):

1

KeepAlivePolling:

Disabled

ErrorThreshold:

3

EventThreshold:

4

PollingInterval (secs):

30

MinumEnquiryInterval (secs):

10

EXT Operation : port 2

dspilmicnt

The **dspilmicnt** command displays the ILMi counters.

Full Name

display ilmi counters

Syntax

dspilmicnt <port_num>

where:

<port_num> port_num is in the range 1–4

Related Commands

cnfilmi, dspilmi

Cards on which the command executes

AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspilmicnt 1

Display the ilmi counters for port 1 on the current AUSM card.

System Response

Port Num:	1
SNMPPDUsReceived:	0
Get RequestsReceived:	0
GetNextRequestsReceived:	0
SetRequestsReceived:	0
TrapReceived:	0
GetResponseReceived	0
GetResponseTransmitted:	0
GetRequestTransmitted:	0
TrapsTransmitted:	0
InvalidPDURceived:	0
Asn1ParseError:	0
NoSuchNameError:	0
TooBigError:	0

dspln

The **dspln** command displays the detailed configuration for the specified line. If the current card is an ASC, the line is a ds3.

Full Name

Display line

Syntax

dspln <line number>

where:

<line number> line number can be 1 on an ASC and 1–4 on an FRSM or AUSM

Related Commands

addln, cnfln, delln

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Active on ASC, any state on FRSM and AUSM Privilege: 1–6

Example 1 Description

dspln 2

Display line 2 on the current AUSM card.

System Response

```
LineNum:                2
LineConnectorType:      BNC
LineType:               dsx1E1CAS
LineEnable:             Enabled
LineCoding:             dsx1HDB3
LineLength:             G.703 75 ohm
LineXmtClockSource:     LocalTiming
LineLoopbackCommand:    NoLoop
LineSendCode:           NoCode
LineUsedTimeslotsBitMap: 0xffffffff
ConfigChangePortBitMap: 0x0

LineNumOfValidEntries: 4
```

Example 2Description

dspln 1

Display line 1 on the current ASC (1 is the only valid line number on an ASC).

System Response

```
LineNum:                1
LineType:               dsx3CbitParity
LineCoding:             dsx3B3ZS
LineLength:             LessThan450ft
LineOOFCriteria:        3 out of 8
LineAIScBitsCheck:      Check C-bits
LineLoopbackCommand:    NoLoop
LineRcvFEACValidation:  4 out of 5 FEAC codes

LineNumOfValidEntries: 1
```

dsplns

The **dsplns** command display the configuration for all lines on the current card. The displayed parameters depend on the card (see example).

Full Name

Display lines

Syntax

dsplns

Related Commands

addln, cnfln, delln

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No

State: Active on ASC, any state on FRSM and AUSM

Privilege: 1–6

Example 1 Description

dsplns

Display lines on the current FRSM card.

System Response

Line	ConnType	Type	Enable/Coding	Length	XmtClockSource
7.1	DB-15	dsx1ESF	Modify/dsx1B8ZS	0-110 ft	LocalTiming
7.2	DB-15	dsx1ESF	Modify/dsx1B8ZS	0-110 ft	LocalTiming
7.3	DB-15	dsx1ESF	Modify/dsx1B8ZS	0-110 ft	LocalTiming
7.4	DB-15	dsx1ESF	Modify/dsx1B8ZS	0-110 ft	LocalTiming
LineNumOfValidEntries: 4					

Example 2 Description

dspIns

Display lines on the current ASC.

System Response

Line	Type	Coding	Length	Criteria	AIScBitsCheck
2.1	dsx3CbitParity	dsx3B3ZS	LessThan450ft	3 out of 8	Check C-bits
LineNumOfValidEntries: 1					

dsploads

The **dsploads** command displays the connection load at a port. This helps to determine whether adding more connections is advisable. The display shows the load in cells per second. The layout of the display is in rows and columns. One column exists for each port, and one row exists for each connection type. If the traffic is exceeding the bandwidth configured for the port, an “overload” message appears at the bottom of the column for the overloaded port.

Full Name

Display loads

Syntax

dsploads

Related Commands

none

Cards on which the command executes

AUSM

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspmsgcnt

Display the load on the current AUSM.

System Response

Load Display for AUSM ports				
	Port 1	Port2	Port3	Port4

CBR (based on PCR0+1)	0	0	0	0
VBR (based on PCR0+1)	0	0	0	0
ABR (based on MCR)	64000	64000	64000	64000

Total	64000	64000	64000	64000
Load Status	Overload	Overload	Overload	Overload
Note: All Cell Rates are multiplied by respective Percentage Utilization factors				

dsplog

The **dsplog** command displays the events and messages in the log. The most recent events appear at the top of the list.

Full Name

Display event/message log

This command displays the AXIS log. If no parameters are entered, the entire log for all cards in the shelf is displayed. The log for a particular card and/or for only a number of most recent days can be specified.

Syntax

dsplog [<slot#>][<no. of days>]

where:

<slot#> is the slot# of the card for which the log is to be displayed

<no. of days> is the number of most recent days to be included in the display (up to 4 maximum)

Related Commands

clrlog

Cards on which the command executes

ASC, FRSM

Attributes

Log: No State: Active Privilege: 1–5

Example 1 Description

dsplog

System Response

```
dsplog
04/01/70-13:10:03 tRootTask      2 Illegal msg received
04/01/70-13:10:07 aum          1312 local IP address not programmed
03/01/70-20:11:31 smm          1207 slave ack timeout
```

dspmaptbl

The **dspmaptbl** command displays the numbers assigned to frame relay ports or ATM ports on the FRSM or AUSM, respectively.

Full Name

Display map table

Syntax

dspmaptbl

Related Commands

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspmaptbl

Display the map table for the current FRSM.

System Response

PortNum	DLCI	ChanNum	LineNum
1	100	69	1
1	101	70	1
1	102	71	1
1	103	72	1
1	104	73	1
1	105	74	1
1	106	75	1
1	107	76	1
1	108	77	1
1	109	78	1
1	110	79	1
1	111	80	1
1	112	81	1
1	113	82	1
1	114	83	1
1	115	84	1
2	100	85	1
2	101	86	1
2	102	87	1
2	103	88	1

Type <CR> to continue, Q<CR> to stop:

Example 2 Description

dspmaptbl

Display the map table for the current AUSM.

System Response

PortNum	VPI	VCI	ChanNum	Channel	Type
1	1	16	16	VCC	
1	1	17	17	VCC	
1	1	18	18	VCC	
1	1	19	19	VCC	
1	1	20	20	VCC	
1	1	21	21	VCC	
1	1	22	22	VCC	
1	1	23	23	VCC	
1	1	24	24	VCC	
1	1	25	25	VCC	
1	1	26	26	VCC	
1	1	27	27	VCC	
1	1	28	28	VCC	
1	1	29	29	VCC	
1	1	30	30	VCC	
1	1	31	31	VCC	
1	1	32	32	VCC	
1	1	33	33	VCC	
1	1	34	34	VCC	
1	1	35	35	VCC	

Type <CR> to continue, Q<CR> to stop:

dspmsgcnt

The **dspmsgcnt** command displays the control message counter for the card.

Full Name

Display control message counter

Syntax

dspmsgcnt

Related Commands

clrmsgcnt

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspmsgcnt

System Response

```
RiscXmtCtrlMsg:      88506
RiscRcvCtrlMsg:      53494
SARXmtCtrlMsg:       88506
SARRcvCtrlMsg:       53494
SARCtrlMsgDiscLenErr: 0
SARCtrlMsgDiscCRCErr: 0
SARCtrlMsgDiscUnknownChan: 0
SARCtrlMsgLastUnknownChan: 0
```

dspport

On an FRSM, the dspport command displays the frame relay port configuration for the specified port. On an AUSM, the dspport command displays the Physical Layer Protocol Processor of a port on the current AUSM.

Full Name

Display port

Syntax

dspport <port number>

where:

On an FRSM, port number is the port number in the range 1–96

or

On an AUSM, port number is the port number in the range 1–4

Related Commands

FRSM: addport, cnfport, delport

AUSM: upport, dnport

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspport 1

Display the port configuration for port 1 on the current FRSM.

System Response

```

SlotNum:          7
PortLineNum:      1
PortNum:          1
PortRowStatus:    Add
PortDs0Speed:     64k
PortDs0ConfigBitMap: 0xffffffff
PortEqueueServiceRatio: 1
PortFlagsBetweenFrames: 1
PortSpeed:        1536kbps
SignallingProtocolType: NoSignalling
AsynchronousUpdates: Disable
T391LineIntegrityTimer: 10
T392PollingVerificationTimer: 15
N391FullStatusPollingCounter: 6
N392ErrorThreshold: 3
N393MonitoredEventCount: 4
PortState:        FailedDuettoLineFailure
PortSignallingState: No Signalling Failure
CLLMEnableStatus: Disable
CLLMxmtStatusTimer: 0

PortDs0UsedLine1: 0x00ffffff
PortDs0UsedLine2: 0x00ffffff
PortDs0UsedLine3: 0x00ffffff
PortDs0UsedLine4: 0x00ffffff
PortNumNextAvailable: 60
Syntax : dspport "port_num"
        port number -- values ranging from 1-96 are accepted

```

dspport 1

Display port 1 on the current AUSM.

```

PortNumber:      1
Cell Framing:    ATM
Cell Scramble:   No Scramble
Plpp Loopback:   No Loopback

```

dspportcnt

This command displays counters for a specified port.

Full Name

Display port counters

Syntax

dspportcnt <port number>

where:

<port number> port number is in the range 1–96

Related Commands

cnfcd, dspcds

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspportcnt 1

Display port counters on port 1 of the current AUSM.

System Response

```
PortNum: 1
PortState: Out Of Cell Delineation
IngressRcvCells: 0
IngressGfcErrorCells: 0
IngressVpiVciErrCells: 0
IngressUnknownVpiVci: 0
EgressXmtCells: 918900
EgressPortAlarmDiscardCells: 0
EgressXmtClpSetCells: 918907
EgressXmtEfciSetCells: 0
PortXmtAisCells: 918907
PortXmtSgmtLpbkCells: 0
PortRcvAisCells: 0
PortRcvFerfCells: 0
PortRcvSgmtLpbkCells: 0
PortRcvCrcErrOAMCells: 0
ReceivedHECErrorCells: 6
HECErrorredSeconds: 1
SeverelyHECErrorredSeconds: 0
```

Example 2 Description

dspportcnt 1

On an FRSM:

System Response

	Tx	Rx
Total Frames:	0	0
Total Bytes:	0	0
Frames FECN:	0	0
Frames BECN:	0	0
Frames Abort:	0	0
Buf Not Available:	0	0
KbpsAIR:	0	0
XmtFramesDiscXceedQDepth:	0	
XmtBytesDiscXceedQDepth:	0	
XmtFramesDuringLMIAAlarm:	0	
XmtByteDuringLMIAAlarm:	0	
XmtFramesUnderrun:	0	
RcvFramesDE:		0
RcvFramesDiscCRCError:		0
RcvFramesDiscIllegalHeader:		0
RcvFramesDiscAlignmentError:		0
RcvFramesDiscIllegalLen:		0
RcvFramesDiscXceedDEThresh:		0
RcvFramesUnknownDLCI:		0
RcvLastUnknownDLCI:		0
RcvFramesTaggedFECN:		0
RcvFramesTaggedBECN:		0
RcvFramesTaggedDE:		0
Status:	0	0
StatusInquiry:	0	0
AsynchUpdate:	0	0
RcvInvalidRequest:		0
RcvUNISeqMismatch:		0
RcvNNISeqMismatch:		0
UNISignallingTimeout:		0
NNISignallingTimeout:		0
FramesCLLM:	0	0
BytesCLLM:	0	0
CLLMFailures:		0

dspportstats

The **dspportstats** command displays statistics information for a specified port on the FRSM.

Full Name

display port statistics

Syntax

dspportstats <line#><1st_DS0>

where:

<line#> line # is in the range 1–4

<1st_DS0> 1st_DS0 is in the range 1–24, for T1, and 1 -32 for E1

Related Commands

dspchstats

Cards on which the command executes

FRSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspportstats 1 12

Display statistics information for port 1 on first DS0 of 12.

System Response

Line Num:1		
Physical Port Num: 12		
Logical Port Num: 4		
	Tx	Rx
	-----	-----
Total Frames:	0	0
Total Bytes:	0	0
Frames FECN:	0	0
Frames BECN:	0	0
Frames Abort:	0	0
Buf Not Available:	0	0
KbpsAIR:	0	0
XmtFramesDiscXceedQDepth:	0	
XmtBytesDiscXceedQDepth:	0	
XmtFramesDuringLMIAAlarm:	0	
XmtByteDuringLMIAAlarm:	0	
XmtFramesUnderrun:	0	
RcvFramesDE:		0
RcvFramesDiscCRCError:		0
RcvFramesDiscIllegalHeader:		0
RcvFramesDiscAlignmentError:		0
RcvFramesDiscIllegalLen:		0
RcvFramesDiscXceedDEThresh:		0
RcvFramesUnknownDLCI:		0
RcvLastUnknownDLCI:		0
RcvFramesTaggedFECN:		0
RcvFramesTaggedBECN:		0
RcvFramesTaggedDE:		0
Status:	0	0
StatusInquiry:	0	0
AsynchUpdate:	0	0
RcvInvalidRequest:		0
RcvUNISeqMismatch:		0
RcvNNISeqMismatch:		0
UNISignallingTimeout:		0
NNISignallingTimeout:		0

dspportq

The **dspportq** command displays queue information for a specified port and egress queue on the AUSM.

Full Name

display port queue

Syntax

dspportq <port number> <egress queue number>

where:

<port number> queue number is in the range 1–4

<egress queue number> egress queue number is in the range 1–12

Related Commands

dspportqs

Cards on which the command executes

AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspportq 1 1

Display queue information for egress queue 1 on port 1.

System Response

Service Port Num:	1
Q Number:	1
Port Bin State:	Enabled
Service Sequence:	1
Queue Depth:	100
CLP Threshold High (cells):	100
CLP Threshold Low (cells):	100
EFCI Threshold:	100
Queue Algorithm:	1
Max Bandwidth Increment:	0
Min Bandwidth Increment:	0
Q CLP State:	0
Q Full Discarded Cells:	0
CLP Set Discarded Cells:	0

dspportqs

The **dspportqs** command displays queue information for all the egress queues on an AUSM port.

Full Name

display card errors

Syntax

dspportqs <port number>

Related Commands

dspportq

Cards on which the command executes

AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspportqs 1

Display egress queue information for all the egress queues on port 1.

System Response

Port	Q Num	State	Q-Algo	Service-Seq	Depth-Max	CLP-High	CLP-Low	EFCI-Thrsh
1	1	Enabled	3	1	200	180	160	160
1	2	Enabled	3	2	900	800	700	700
1	3	Enabled	3	3	900	800	700	700
4	1	Enabled	3	1	200	180	160	160
4	2	Enabled	3	2	900	800	700	700
4	3	Enabled	3	3	900	800	700	700

Syntax : dspportqs

dspports

The **dspports** command displays information on all the ports on the current card.

Full Name
Display ports

Syntax
dspports

Related Commands
addport, cnfport, delport, dspport

Cards on which the command executes
FRSM

Attributes
Log: No State: Any Privilege: 1–6

Example 1 Description
dspports
Display the ports on the current FRSM.

System Response

Port	Ena/Speed	EQService Ratio	SignalType	T391	T392	N391	N392	N393	InAlarm
7.2.1	Add/1536k	1	NoSignalling	10	15	6	3	4	No
7.2.2	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.3	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.4	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.5	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.6	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.7	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.8	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.9	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.10	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.11	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.12	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.13	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.14	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.15	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.16	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.17	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.18	Add/ 64k	1	NoSignalling	10	15	6	3	4	No
7.2.19	Add/ 64k	1	NoSignalling	10	15	6	3	4	No

dspsarcnt

The **dspsarcnt** command displays the Segmentation and Reassembly (SAR) counters for the current card.

Full Name

Display SAR counters

Syntax

dspsarcnt <ChanNum>

where ChanNum is:

- For FRSM, 16–271
- For ASC, 16–1024
- For AUSM, 16–271

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

dspsarcnt 22

Display SAR count on the current FRSM, channel 22.

System Response

```

SarShelfNum: 1
SarSlotNum: 13
SarChanNum: 22
Tx
-----
Total Cells: 11227853
Total CellsCLP: 0
Total CellsAIS: 498805
Total CellsFERF: 0
Total CellsEnd2EndLpBk: 0
Total CellsSegmentLpBk: 0
RcvCellsDiscOAM: 0
Rx
-----
Total Cells: 11529804
Total CellsCLP: 0
Total CellsAIS: 0
Total CellsFERF: 302222
Total CellsEnd2EndLpBk: 0
Total CellsSegmentLpBk: 0
RcvCellsDiscOAM: 0

Syntax : dpsarcnt "chan_num"
        channel number -- value ranging from 16 to 271

possible errors are :
a) illegal/invalid parameters
b) channel doesn't exist
```

Example 2 Description

dpsarcnt 98

Display SAR count for channel 98 on the current card (an AUSM)

System Response

```

SarShelfNum: 1
SarSlotNum: 4
SarChanNum: 98
Tx
-----
Total Cells: 141357
Total CellsCLP: 0
Total CellsAIS: 0
Total CellsFERF: 0
Total CellsEnd2EndLpBk: 0
Total CellsSegmentLpBk: 0
RcvCellsDiscOAM: 0
Rx
-----
Total Cells: 0
Total CellsCLP: 0
Total CellsAIS: 0
Total CellsFERF: 0
Total CellsEnd2EndLpBk: 0
Total CellsSegmentLpBk: 0
RcvCellsDiscOAM: 0

Type <CR> to continue, Q<CR> to stop:

SarShelfNum: 1
SarSlotNum: 4
SarChanNum: 114
Tx
-----
Total Cells: 283600
Total CellsCLP: 0
Total CellsAIS: 0
Total CellsFERF: 0
Total CellsEnd2EndLpBk: 0
Total CellsSegmentLpBk: 0
RcvCellsDiscOAM: 0
Rx
-----
Total Cells: 296016
Total CellsCLP: 0
Total CellsAIS: 0
Total CellsFERF: 0
Total CellsEnd2EndLpBk: 0
Total CellsSegmentLpBk: 0
RcvCellsDiscOAM: 0

Type <CR> to continue, Q<CR> to stop:
```

dspshelfalm

The **dspshelfalm** command displays the shelf alarms for the AXIS. If no alarm number is specified, the status of every alarm is displayed. See the example for the number for each alarm.

In the dspshelfalm display, the State column shows whether the alarm has been asserted. “Normal” means that no alarm has been asserted. If an alarm were asserted, State would show “Above Normal” or “Below Normal”. The presence of the word “missing” in the State column means that the input is missing or ignored. The content of the Severity column indicates what the severity of the alarm would be if the alarm were asserted.

Full Name

Display shelf alarms

Syntax

dspshelfalm [alarm number]

Related Commands

none

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspshelfalm

Display the status of all the shelf alarms.

System Response

Alarm	Type	Unit	Thresh	Severity	Measurable	Val	State
1	Temperature	1	50	Minor	Yes	40	Normal
2	Power Supply	1	0	Minor	No	0	missing
3	Power Supply	2	0	Minor	No	0	missing
4	DC Level	1	42-54	Minor	Yes	0	missing
5	DC Level	2	42-54	Minor	Yes	47	Normal
6	Fan Unit	1	2000	Minor	Yes	0	missing
7	Fan Unit	2	2000	Minor	Yes	0	missing
8	Fan Unit	3	2000	Minor	Yes	0	missing
9	Fan Unit	4	2000	Minor	Yes	0	missing
10	Fan Unit	5	2000	Minor	Yes	0	missing
11	Fan Unit	6	2000	Minor	Yes	0	missing
ASMNumOfValidEntries: 11							
ASMSelfAlarmState: 2							

dspsmcnf

The **dspsmcnf** command displays configuration enables for the service modules in the system. The output displays the following for each service module slot:

- Whether a card is present and a configuration exists
- Whether rate control is on or off
- Whether the card is channelized
- The number of the MIB version

Full Name

Display service module configuration.

Syntax

dspsmcnf

Related Commands

clrsmcnf

Cards on which the command executes

ASC

Attributes

Log: Yes State: Any Privilege: 1–6

Example 1 Description

dspsmcnf

System Response

```
axis3.1.3.ASC.a > dspsmcnf

      slot #      Config      Config      Rate      Channelized      MIB
      -----      Card Type    exist      Control      -----      Version
      -----
      5          --          No          Off          Off          0
      6          --          No          Off          Off          0
      7      FRSM-4T1      Yes          Off          Off          5
      8          --          No          Off          Off          0
      9          --          No          Off          Off          0
     10          --          No          Off          Off          0
     11      FRSM-4E1      Yes          On           On           5
     12      FRSM-4T1      Yes          On           On           5
     13      FRSM-4T1      Yes          On           On           5
     14      AUSM-4T1      Yes          On           Off          4

axis3.1.3.ASC.a >
```

dsptrapmgr

The **dsptrapmgr** command displays a list of all the SNMP Managers that receive traps.

Full Name
Display trap managers

Syntax
dsptrapmgr

Related Commands
cnftrapmgr

Cards on which the command executes
ASC

Attributes
Log: No State: Any Privilege: 1–6

Example 1 Description
dsptrapmgr

System Response

ipAddress	PortNum	RowStatus	ReadTrapFlag	NextTrapSeqNum
192.168.3.251	2500	Add	Off	571
192.168.3.254	2500	Add	Off	631
LastTrapSeqNum: 631				
NumOfValidEntries: 2				

dspds3ln

This command Displays the parameters of the DSX3 line

Full Name
Display DSX3 line

Syntax
dspds3ln "line_num"
where:
"line_num" value of 1 is accepted, for IMATM-T3T1/E3E1

Example: dspds3ln “1”

Related Commands

Cards on which the command executes
IMATM

Attributes
Log: Yes State: Active Privilege: 1–2

Example: dspds3ln “1”

LineNum:	1
LineType:	dsx3CbitParity
LineCoding:	dsx3B3ZS
LineLength:	< 450 ft
LineOOFCriteria:	3 Out of 8
LineAIScBitsCheck:	Ignor C-bit
LineLoopbackCommand:	NoLoop
LineRcvFEACValidation:	4 Out of 5

dspds3lns

This command Displays the parameters of all DSX3 lines

Full Name
Display DSX3 lines

Syntax
dspds3ln

Related Commands

Cards on which the command executes
IMATM

Attributes
Log: Yes State: Active Privilege: 1–2

Example: dspds3lns

Line	Type	Coding	Length	Criteria	AIS
----	-----	-----	-----	-----	-----
8.1	dsx3CbitParity	dsx3B3ZS	< 450 ft	3 Out of 8	Ignor C-bit

dspred

Displays currently configured redundant slot links.

Full Name

Display Redundancy

Syntax

dspred

Related Commands

addred, delred

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–6

dspusers

Displays the users that have been added to the shelf configuration. The screen output shows the user name and highest privilege level and includes a display of the number of those levels above user-privilege.

Full Name

Display users

Syntax

dspusers

Related Commands

adduser, deluser

Cards on which the command executes

ASC

Attributes

Log: No State: Active Privilege: 1–6

Example 1 Description

dspusers

Display the users configured for this shelf. The users in this example are Raoul and Duke.

System Response

User Id	level
StrataCom	-2
Service	-1
SuperUser	0
raoul	3
duke	1

Help

Lists the commands available on the current card. The Help command is case-sensitive. This command takes no arguments, so it does not display information on individual commands.

Full Name
Help

Syntax
Help

Related Commands
none

Cards on which the command executes
ASC, FRSM, AUSM

Attributes
Log: No State: Any Privilege: 1–6

Example 1 Description
Help
Display the commands available on the current card. In this case, the card is an ASC.

System Response

```
dspttrapmgr
clrmmsgcnt
clrsarcnt
dspadrxlat
cnfalm
dspalmcnf
cnfcnt
clrbnmcnt
cnfifip
dspifip
cnftime
cnfdate
cnfname
cnfclksrc
dspclksrc
dspshelfalm
dspbnmcnt
dspcd
dpsarcnt
dspmsgcnt
dspalm
dspalms
dspalmcnt
dspln
dsplns
dspcds
```

myid

Displays the login name of the current user.

Full Name

My Id

Syntax

myid

Related Commands

none

Cards on which the command executes

ASC, FRSM, AUSM

Attributes

Log: No

State: Any

Privilege: 1–6

Example 1 Description

myid

Display the login name of the current user.

System Response

StrataCat

resetcd

The **resetcd** command resets the hardware or failure history on the current ASC. Without a slot number, the command resets only the ASC. With a slot number, **resetcd** resets the card in the specified slot.

Full Name
Reset card

Syntax
resetcd [slot number]

Related Commands
none

Cards on which the command executes
ASC

Attributes
Log: Yes State: Active Privilege: 1–3

switchcc

The **switchcc** command switches control of the AXIS from the active ASC/BNM core card group to the standby ASC/BNM. The ASC in slot 3 is associated with the BNM in slot 1. The ASC in slot 4 is associated with the BNM in slot 2. If the standby cards are not available, the command is not executed.

During a config copy, this command is disabled. If the command is attempted during a config copy, a “Can’t execute, BRAM or FLASH is being updated” message is displayed.

Full Name

Switch core cards

Syntax

switchcc

Related Commands

none

Cards on which the command executes

ASC

Attributes

Log: Yes State: Active Privilege: 1–3

tstcon

Tests the integrity of a connection between an AXIS card and a remote end within the StrataCom network by sending a single collection of supervisory cells to the remote end. The terminal displays only a pass or fail message.

Full Name

Test connection

Syntax

tstcon <channel number>

where:

<channel number> is in the range 16–271.

Related Commands

dspcons, tstconseg, tstdelay

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–4

tstconseg

Tests the integrity of a connection between an AXIS card and service equipment (CPE) by sending a single collection of supervisory cells to the remote end. The terminal displays only a pass or fail message.

Full Name

Test round trip delay

Syntax

tstdelay <channel number>

where:

<channel number> is in the range 16–271.

Related Commands

dspcons, tstcon

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–4

tstdelay

Externally tests the integrity of a connection by sending a single collection of supervisory cells to the remote end to the network and back. The terminal displays a pass or fail message and the round trip time in milliseconds.

Full Name

Test round trip delay

Syntax

tstdelay <channel number>

where:

<channel number> is in the range 16–271.

Related Commands

dspcons, tstcon

Cards on which the command executes

FRSM, AUSM

Attributes

Log: No State: Active Privilege: 1–4

Example 1 Description

tstdelay 16

Test the delay for a round trip to and from the network on channel 16.

System Response

```
axis61.1.10.AUSM.a > tstdelay 16  
TestDelay in progress.  
TestDelay Passed with 2 ms.  
axis61.1.10.AUSM.a >
```

upport

The **upport** command ups a port. No messages appear on screen unless an error occurs.

Full Name
Up port

Syntax
upport <PortNum>
where:

<PortNum> PortNum = 1–4

Related Commands
dnport

Cards on which the command executes
AUSM

Attributes
Log: Yes State: Active Privilege: 1

users

Lists the users logged into the current card. The screen display shows the means through which each user logged into the shelf, the slot number of the current card, and the login name of the users.

Full Name

Users

Syntax

users

Related Commands

none

Cards on which the command executes

ASC

Attributes

Log: No State: Any Privilege: 1–6

Example 1 Description

users

Display the users logged into the current ASC.

System Response

Port	SlotNum	user ID
Telnet	4	StrataCat

version

The **version** command displays different types of version-related information, such as firmware version, operating system kernel version, the date of the software build, and so on (refer to screen examples).

Full Name
display versions

Syntax
version

Related Commands
none

Cards on which the command executes
ASC, FRSM, AUSM

Attributes
Log: No State: Any Privilege: 1–6

Example 1 Description
version
Display version information on the current card (ASC).

System Response

```
axis3.1.3.ASC.a > version

***** Stratacom Inc. AXIS ASC Card *****
Firmware Version   = eqa2.0.1g
Backup Boot version = model-B BT_eqa2.0d
ASCFRSM Xilinx file = asc025.h
ASCBNM Xilinx file  = bnmt3andsrefix
VxWorks (for STRATACOM) version 5.1.1-R3000.
Kernel: WIND version 2.4.
Made on Wed Feb 14 16:06:24 PST 1996.
Boot line:
sl(0,0)

axis3.1.3.ASC.a >
```

Example 2 Description

version

Display version information on the current card (FRSM).

System Response

```
axis3.1.11.FRSM.a > version

***** Stratacom Inc. AXIS FRSM Card *****
Firmware Version   = eqa2.0.1g
Backup Boot version = model-B BT_2.0.0
ASCFRSM Xilinx file = frsm025.h
VxWorks (for STRATACOM) version 5.1.1-R3000.
Kernel: WIND version 2.4.
Made on Wed Feb 14 16:15:08 PST 1996.
Boot line:

axis3.1.11.FRSM.a >
```

Example 3 Description

version

Display version information on the current card (AUSM).

System Response

```
axis3.1.14.AUSM.a > version

***** Stratacom Inc. AXIS AUSM Card *****
Firmware Version   = model-A 2.0.00
Backup Boot version = model-A BT_eqa2.0.1
AUSM Xilinx file = ausmfract.h
VxWorks (for STRATACOM) version 5.1.1-R3000.
Kernel: WIND version 2.4.
Made on Fri Feb 9 18:59:08 PST 1996.
Boot line:

axis3.1.14.AUSM.a >
```