

> BUSINESS MADE **SIMPLE**

**NORTEL**

**Signaling Server**  
**Communication Server 1000**  
Engineering

> **Signaling Server OAM Shell  
Command Line Reference for  
Releases 4.50 and 5.00**

Enterprise Solutions Engineering  
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## Abstract

This document was created to provide a common reference guide for the Command Line Interface of the Signaling Server TPS in a Communication Server 1000 network. Commands that are associated to a specific release are noted. This document is intended as a reference guide only and does not replace the Nortel Technical Publications for this or any other product. The current NTPs should always be referenced when performing work on a system.



**NOTE – SOME COMMANDS MAY BE SERVICE IMPACTING!**

Nortel recommends that all system maintenance be performed during a designated service window to minimize user operational impact.



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## CONVENTIONS:

This section describes the text, image, and command conventions used in this document.

### Symbols:



Tip – Highlights a configuration or technical tip.



Note – Highlights important information to the reader.



Warning – Highlights important information about an action that may result in equipment damage, configuration or data loss.

### Text:

**Bold** text indicates emphasis.

*Italic* text in a Courier New font indicates text the user must enter or select in a menu item, button or command:

```
ERS5520-48T# show running-config
```

Output examples from Nortel devices are displayed in a Lucinda Console font:

```
ERS5520-48T# show running-config
```

```
! Embedded ASCII Configuration Generator Script
! Model = Ethernet Routing Switch 5520-24T-PWR
! Software version = v5.0.0.011
enable
configure terminal
```



# 1. Element Manager Module Commands

## 1.1 elmShow

Shows a list of supported languages

5.00

## 1.2 unpackEmHelp

Unpacks Element Manager help files

5.00



## 2. Firmware Download Log File Commands

### 2.1 activeDlogShow

Show current used f/w download log file

4.50 / 5.00

#### activeDlogShow:

```
oam> activeDlogShow
Active F/W download file: /u/Log/UFTPL0G1.TXT
Space remaining:          399530

/u/Log/UFTPL0G1.TXT
-----
12/28/2007 13:32: F/W dnld success: (192.168.1.109) 2001P2
12/28/2007 13:34: F/W dnld success: (192.168.1.104) 2001P2
12/28/2007 13:49: F/W dnld success: (192.168.12.104) 1150
12/28/2007 13:57: F/W dnld success: (192.168.1.109) 2001P2
12/28/2007 13:57: F/W dnld success: (192.168.14.104) 1140
12/28/2007 13:57: F/W dnld success: (192.168.1.104) 2001P2
12/29/2007 14:37: F/W dnld success: (192.168.200.80) 2002P2
01/10/2008 22:16: F/W dnld success: (192.168.14.101) 1140oam>
```

### 2.2 inactiveDlogShow

Show non-active f/w download log file

4.50 / 5.00

#### inactiveDlogShow:

```
oam> inactiveDlogShow
Active F/W download file: /u/Log/UFTPL0G0.TXT
Space remaining:          399152

Inactive F/W download file: /u/Log/UFTPL0G1.TXT
/u/Log/UFTPL0G1.TXT
-----
oam>
```



## 2.3 dnldFailShow

Show failed results in the active f/w download log file.

4.50 / 5.00

### dnldFailShow:

```
oam> dnldFailShow
Active F/W download file: /u/log/UFTPL0G0.TXT
-----
Inactive F/W download file: /u/log/UFTPL0G1.TXT
-----
oam>
```



## 3. Gatekeeper Commands

### 3.1 gkDiscoveryTrace

Trace gatekeeper discovery messages (GRQ, GCF, GRJ) for a specified endpoint *4.50 / 5.00*

#### 3.1.1 Usage: gkDiscoveryTrace <endpoint type>

Endpoint types:

ID <Alias Name> - turn on tracing for an endpoint or GK alias

IP <IP Address> - turn on tracing for a particular IP address

ALL - turn on discovery tracing for all endpoints

### 3.2 gkRegTrace

Trace endpoint registration messages (RRQ, RCF, RRJ) and unregistration messages (URQ, UCF, URJ) for a specified endpoint *4.50 / 5.00*

#### 3.2.1 Usage: gkRegTrace <endpoint type>

Endpoint types:

ID <Alias Name> - turn on tracing for an endpoint or GK alias

IP <IP Address> - turn on tracing for a particular IP address

ALL - turn on registration tracing for all endpoints

### 3.3 gkCallTrace

Trace endpoint call associated messages. This is admission messages (ARQ,ACF,ARJ), *4.50 / 5.00* bandwidth BRJ), disengage messages (DRQ,DCF,DRJ), and location messages (LRQ,LCF,LRJ)

#### 3.3.1 Usage: gkCallTrace <endpoint type>

Endpoint types:

ID <Alias Name> - turn on tracing for an endpoint or GK alias

IP <IP Address> - turn on tracing for a particular IP address

NUM <calling/called number> - turn on all call associated messages for a number regardless of NPI and TON

NUM <calling/called number> <NPI> <TON> - turn on all call associated messages for a number with a particular TON and NPI

ALL - turn on call tracing for all endpoints



NPI values	TON values
0 - ALL	0 - ALL
1 - Unknown number	1 - Unknown number
2 - ISDN (E.164)	2 - International number
3 - Private Numbering	3 National Number
4 - E.163	4 - Network Specific Number
5 - Telex numbering	5 - Subscriber Number
6 - Data numbering	6 - Level 1 Regional
7 - National standard	7 Level 0 Regional (Abbreviated #) numbering

### 3.4 gkProtocolTrace

Trace any endpoint for any message type

4.50 / 5.00

#### 3.4.1 Usage: gkProtocolTrace <endpoint> <protocol>

Endpoint types:

ID <Alias Name> - turn on tracing for an endpoint or GK alias

IP <IP Address> - turn on tracing for a particular IP address

NUM <calling/called number> - turn on all call associated messages for a number regardless of NPI and TON

NUM <calling/called number> <NPI> <TON> - turn on all call associated messages for a number with a particular TON and NPI

ALL - turn on protocol tracing for all endpoints

Protocol types for IP, ID and ALL tracing

=====

Individually:

ALL, ARQ, ACF, ARJ, BRQ, BCF, BRJ, DRQ, DCF, DRJ,  
 GRQ, GCF, GRJ, LRQ, LCF, LRJ, RRQ, RCF, RRJ, RIP,  
 URQ, UCF, URJ, NSM (for IP and ALL only)



By category:

- AXX - ARQ, ACF, ARJ
- BXX - BRQ, BCF, BRJ
- DXX - DRQ, DCF, DRJ
- GXX - GRQ, GCF, GRJ
- LXX - LRQ, LCF, LRJ
- RXX - RRQ, RCF, RRJ
- UXX - URQ, UCF, URJ

Valid Protocols for NUM tracing

=====

Individually:

- ALL, ARQ, ACF, ARJ, BRQ, BCF, BRJ, DRQ, DCF, DRJ,  
LRQ, LCF, LRJ

By category:

- AXX - ARQ, ACF, ARJ
- BXX - BRQ, BCF, BRJ
- DXX - DRQ, DCF, DRJ
- LXX - LRQ, LCF, LRJ

Protocols that can't be traced by any endpoint:

- IACK, INAC, IRQ, IRR,  
RAI, RAC, SCI, SCR, XRS

### 3.5 gkTraceOff

Turns off the trace for the specified endpoint for all protocol types

4.50 / 5.00

#### 3.5.1 Usage: gkTraceOff <endpoint type>

Endpoint types:

- ID <Alias Name> - turn off tracing for an endpoint or GK alias
- IP <IP Address> - turn off tracing for a particular IP address
- NUM <calling/called #> - turn off call associated tracing for a number with default (0) NPI and TON values
- NUM <calling/called #> <NPI> <TON> - turn off call associated tracing for a number with specific NPI and TON values
- ALL - turn off all tracing



### 3.6 gkTraceOutput

Sets the output destination for all GK protocol traces 4.50 / 5.00

#### 3.6.1 Usage: gkTraceOutput <Output Destination> <file pathname>

Output destinations:

- 1 - TTY
- 2 - RPT (syslog)
- 3 - User specified FILE in the /u/trace directory. File name must be in quotes and conform to the 8.3 format.
- 4 - TTY and user specified FILE

### 3.7 gkTraceSettings

Displays the trace output destination as well as the endpoint types being traced 4.50 / 5.00

```

gkTraceSettings
oam> gkTraceSettings

Output to RPT

Number of calling/called number table entries (max. 200): 0

Endpoint type                               Protocols traced
=====                                     =====
    
```

### 3.8 gkTraceTblClear

Clears the calling/called number table associated to the NUM trace filter(s) 4.50 / 5.00

### 3.9 gkTraceTblShow

Displays the calling/called number table associated to the NUM trace filter(s) 4.50 / 5.00



## 4. Intra System Signaling Security Commands

### 4.1 isecChgPSK

Change ISEC PSK locally

5.00

#### isecChgPSK

```
oam> isecChgPSK
```

Changing the local ISEC configuration can cause a temporary ELAN outage which would last until all connected elements share the same configuration. This would affect established calls and IP based terminal sessions.

NOTE: If this command is running on one of the CPU's in a redundant CS the change is not synchronized with the other core.

Are you sure you want to continue? (Yes/[No]):YES

Note: Spaces ~ \* ` @ [ ] and # are not supported in passwords.

Please input PSK(16-32 chars):

### 4.2 isecChgLevel

Change ISEC security level locally

5.00

#### 4.2.1 Usage: isecChgLevel [OPTI/FUNC/FULL]

### 4.3 isecNewTarget

Add a new target to the ISEC target list

5.00

#### 4.3.1 Usage: isecNewTarget [IP address]

### 4.4 isecOutTarget

Delete a target from the ISEC target list

5.00

#### 4.4.1 Usage: isecOutTarget [IP address]

### 4.5 isecEnITarget

Enable the target ISEC

5.00



**4.5.1 Usage: isecEniTarget [IP address]**

**4.6 isecDisTarget**

Disable the target ISEC 5.00

**4.6.1 Usage: isecDisTarget [IP address]**

**4.7 isecProfileShow**

Show all ISEC profiles 5.00

```

isecProfileShow
oam> isecProfileShow

Semaphore Id      : 0xff5df5c
Semaphore Type    : MUTEX
Task Queuing      : FIFO
Pended Tasks      : 0
Owner             : 0x7eb707c (shell)
Options           : 0x0 SEM_Q_FIFO

VxWorks Events
-----
Registered Task   : NONE
Event(s) to Send  : N/A
Options           : N/A

Local ELAN IP address : 47.11.216.79
Current Security Status: Disabled
Pending Security Status: Disabled
Current Security Level : Not Configured

IPAddr           SecurityStatus  Type
-----
47.11.216.88     Disabled          PCS
47.11.216.80     Disabled          PBXLINK
137.135.128.254  Disabled          RCS
    
```



## 4.8 isecConfirm

Used to confirm PSK between Active Call Server and other elements 5.00

### 4.8.1 Usage: isecConfirm [saltNum (8 hex numbers)]

## 4.9 isecDecom

Removes all ISEC related files, memory allocations and tasks 5.00

### isecDecom

```
oam> isecDecom
```

Changing the local ISEC configuration can cause a temporary ELAN outage which would last until all connected elements share the same configuration.

This would affect established calls and IP based terminal sessions.

NOTE: If this command is running on one of the CPU's in a redundant CS the change is not synchronized with the other core.

Are you sure you want to continue? (Yes/[No]): **YES**

## 4.10 isecIkeShowPAI

Show all protection suites (inbound and outbound IPsec Security Association pairs) 5.00

## 4.11 isecIpsecShowIf

Show the entire network interface on which IPsec is enabled 5.00



## 5. Network Remote Access Commands

### 5.1 telnet

Telnet to the server, the address can be either in IP address format or host name 4.50 / 5.00

#### 5.1.1 Usage: telnet [server]

### 5.2 rlogin

Rlogin to the server the address can be either in IP address format or host name 4.50 / 5.00

#### 5.2.1 Usage: rlogin [server] [-l username]

### 5.3 cslogin

Login to the Call Server overlays 4.50 / 5.00



## 6. Patch Commands

### 6.1 mdp

DEPLIST manipulation command

4.50 / 5.00

#### 6.1.1 Usage: mdp <command> [path]

Command can be one of:

- install <path>
- uninstall
- refresh <path>
- cancel refresh
- show refresh
- revert
- reactivate
- issp
- stat
- set alarm
- show alarm

Path can be either:

- software distribution media
- root directory of MDP distribution
- ZIP archive containing MDP distribution



## 7. Remote iset Diagnostics Commands

### 7.1 rPing

Request IP set to ping an IP address, count means the number of ping set should initiate  
4.50 / 5.00

**7.1.1 Usage: rPing [IP | TN, IP, count]**

### 7.2 rPingStop

Request IP set to stop pinging a IP address  
4.50 / 5.00

**7.2.1 Usage: rPingStop [IP | TN]**

### 7.3 rTraceRoute

Request IP set to trace route a IP address  
4.50 / 5.00

**7.3.1 Usage: rTraceRoute [IP | TN, IP, count]**

Request specified IP set to trace route an IP address, count means maximum number of hops  
4.50 / 5.00

### 7.4 rTraceRouteStop

Request IP set to stop tracing route a IP address  
4.50 / 5.00

Usage: rTraceRouteStop [IP | TN]

### 7.5 RUDPStatShow

Show RUDP/UNISlim statistics for an IP set  
4.50 / 5.00

### 7.6 eStatShow

Show Ethernet statistics for a IP set  
4.50 / 5.00

**7.6.1 Usage: eStatShow [IP | TN, clear]**

Show Ethernet statistics for specified IP set, clear means clear statistics or not



## 7.7 isetInfoShow

Show DHCP configurations and iset information for an IP set

4.50 / 5.00



## 8. UFTP IP Telephone Firmware Commands

### 8.1 uftpShow

Show IP telephone firmware download information

4.50 / 5.00

```

uftpShow
oam> uftpShow
----- UFTP Server Configuration -----
UFTP Server IP address ..... 192.168.100.201 [port: 5105]
Concurrent downloading limit .... 100 sets
FirmWare Model Name                PolicyName      FileName
-----
B76      IP Phone 2004 Phase 0/1            DEFAULT        /u/fw/x00.fw
B76      IP Phone 2002 Phase 1              DEFAULT        /u/fw/x01.fw
DBG      IP Phone 2004 Phase 2              DEFAULT        /u/fw/x02.fw
DBG      IP Phone 2002 Phase 2              DEFAULT        /u/fw/x02.fw
DBG      IP Phone 2001 Phase 2              DEFAULT        /u/fw/x02.fw
S68      IP Audio Conference Phone 2033    DEFAULT        /u/fw/x10.fw
C4J      IP Phone 2007 Phase 2              DEFAULT        /u/fw/x21.fw
C4D      IP Phone 1110                      DEFAULT        /u/fw/x23.fw
C4D      IP Phone 1120E                     DEFAULT        /u/fw/x24.fw
C4I      IP Phone 1140E                     DEFAULT        /u/fw/x25.fw
C4D      IP Phone 1150E                     DEFAULT        /u/fw/x27.fw

Total firmware = 11

----- Run Time Data -----
Last UFTP reset ..... 1/10/2008 21:48:51
Cumulation Period ..... 0001 20:56:25
Successful downloads ..... 1
Fail downloads ..... 0

----- Active Downloads -----
Current downloading sets ..... 0

TermType      IP Address      Downloaded[KByte]
-----
oam>
    
```



## 8.2 uftpNodeShow

Show IP telephone firmware download summary of node

4.50 / 5.00

```

uftpNodeShow

oam> uftpNodeShow
Retrieving information from the peer(s), please wait!

----- UFTP IP Phone Firmware Download Summary for Node 1000 -----
Index TN           Host Type  TLAN IP Addr   Act  Svr Up Time  OK  Fai l
001                ISP 1100   192.168.1.165  000  0001 14:42:56  00000 00000
002 1 0            ITG-P     192.168.1.161  000  0001 14:42:23  00000 00000
003 1 0            ITG-P     192.168.1.161  000  0001 14:42:23  00000 00000
-----
Total                000                00000 00000
-----

----- All cards in node configuration are registered -----
    
```

## 8.3 uftpRunTimeDataReset

Reset the run time data field in the UFTP data block

4.50 / 5.00

```

uftpRunTimeDataReset

oam> uftpRunTimeDataReset
Run time data reset OK.

----- Run Time Data -----
Successful downloads ..... 0
Fail downloads ..... 0
    
```

## 8.4 uftpTurboMode

Configure firmware download Turbo Mode

4.50 / 5.00



## 8.5 uftpTurboModeShow

Display firmware download Turbo Mode configuration

4.50 / 5.00

### uftpTurboModeShow

```
oam> uftpTurboModeShow
Turbo Mode enabled: YES
Turbo Mode scheduled: NO
Turbo Mode active: YES
Turbo Mode duration: 0 minutes
Turbo Mode idle timeout: 0 minutes (server is idle now)
```

## 8.6 uftpSpeedLimitShow

Display UFTP bandwidth parameters

5.00

## 8.7 uftpSpeedLimitSet

Configure UFTP bandwidth parameters

5.00

## 8.8 uftpTurboModeTimeoutSet

Configure firmware download Turbo Mode idle timeout

4.50 / 5.00

**8.8.1 Usage: uftpTurboModeTimeoutSet [minutes]**

## 8.9 uftpAutoUpgradeTimeoutSet

Configure user response timeout for postponed firmware upgrade

4.50 / 5.00

**8.9.1 Usage: uftpAutoUpgradeTimeoutSet [seconds]**



# 9. Converged Desktop Service Commands

## 9.1 cdsShow

Show information about the Converged Desktop Service

4.50 / 5.00

```

cdsShow

oam> cdsShow
CDS Application Current State: NotReady

hAppBlk      TaskName      Tid      LinkState      NumRetry  LinkNum  Trace
0x2f299a0    CDS           0x0      Down           0         0        0

Invalid CDS Timer AML Link(0)
Invalid CDS Timer Call Audit(1)

CDS Service Enabled : No
Service DN          : (null)
CDN                 : (null)
MO Service URI      : (null)
MV Service URI      : (null)
Notify URI          : (null)
PNI + HLOC          : 00000 (null)
AnnounceRAN         : 0
AnnounceRANSeconds : 0
CD Server Timeout   : 0
CD Ringing Timeout  : 0
Non-PAD Ans Timeout : 0

CDS Call Trace: Off
Calling Number: (null)
Called Number : (null)
    
```



## 9.2 cdsAgentShow

Show information about PCA agents of the Converged Desktop Service

4.50 / 5.00

### cdsAgentShow

```
oam> cdsAgentShow
```

The active CDN: (null)

The default ACD DN:

Round Robin index: 0

```
-----
```

No	TN	PosID	ACD_DN	DN	dnStatus	loginStatus	acdStatus	AuditCount
----	----	-------	--------	----	----------	-------------	-----------	------------

```
-----
```

Number of CDS Agents: 0, 0

```
-----
```



# 10. Election Commands

## 10.1 electShow

Shows the card TPS state, current master and a list of online TPSs

4.50 / 5.00

```

electShow

oam> electShow
Node ID      : 1000
Node Master  : Yes
Up Time     : 1 days, 14 hours, 58 mins, 20 secs
TN          : 00 00
Host Type   : ISP 1100
TLAN IP Addr : 192.168.1.165
ELAN IP Addr : 192.168.1.155
Election Duration : 15
Wait for Result time : 35
Master Broadcast period : 30
===== master tps =====
Host Type  TN          TLAN IP Addr
ISP 1100   00 00      192.168.1.165
Next timeout : 5 sec
AutoAnnounce : 1
Timer duration : 60 (Next timeout in 17 sec)
===== all tps =====
Num  TN          Host Type  ELAN MAC          TLAN IP Addr    ELAN IP Addr    Up Time        NumOfSets  TimeOut
001  00 00        ISP 1100   00:02:b3:3f:6f:4a 192.168.1.165   192.168.1.155   001 14:58:20    6          0
002  01 00        ITG-P     00:60:38:8e:4e:94 192.168.1.161   192.168.1.151   001 14:56:06    0          1

===== All cards in node configuration are registered =====
    
```



# 11. ELM Module Commands

## 11.1 elmShow

Shows a list of supported languages

4.50 / 5.00

```

elmShow
oam> elmShow
Idx  Language          String          File
===  =====          =
0    engl i sh        Engl i sh      /l ocal e/engl i sh/engl i sh. txt
1    czech            Ěesky         /l ocal e/czech/czech. txt
2    dani sh         Dansk          /l ocal e/dani sh/dani sh. txt
3    dutch           Nederl ands   /l ocal e/dutch/dutch. txt
4    fi nni sh       Suomi         /l ocal e/fi nni sh/fi nni sh. txt
5    french          Françai s     /l ocal e/french/french. txt
6    german          Deutsch       /l ocal e/german/german. txt
7    hungari an     Magyar        /l ocal e/hungari an/hungari an. txt
8    i tal i an     Ital i ano    /l ocal e/i tal i an/i tal i an. txt
9    latvi an       Latvi ski    /l ocal e/latvi an/latvi an. txt
10   norwegi an     Norsk        /l ocal e/norwegi an/norwegi an. txt
11   pol i sh       Pol ski      /l ocal e/pol i sh/pol i sh. txt
12   spani sh      Español     /l ocal e/spani sh/spani sh. txt
13   swedi sh      Svenska     /l ocal e/swedi sh/swedi sh. txt
14   j apanese     ÆÏ Ÿ°       /l ocal e/j apanese/j apanese. txt
15   portuguese    Português   /l ocal e/portuguese/portuguese. txt
16   russi an      ÅãããÙØÙ    /l ocal e/russi an/russi an. txt
17   turki sh     Türkçe      /l ocal e/turki sh/turki sh. txt
oam>
    
```



# 12. iset Module Commands

## 12.1 isetShow

Show general information for all registered sets

4.50 / 5.00

```

isetShow

oam> isetShow

Set Information
-----
IP Address  NAT  Model Name          Type      RegType State  Up Time   Set-TN   Reg-TN  HWID          FWVsn   SrcPort  DstPort
-----
192.168.1.104  IP Phone 1150E      IPACD     Regular online  0 09:35:49 061-00 061-00 18-00159bfea4de-66  C4C    2.9    5100 5000
192.168.1.105  IP Phone 2007 Phase 2  i2004 Ph2 Regular online  0 09:36:00 061-01 061-01 18-000ae4769ace-66  C4J    2.9    5100 5000
192.168.1.108  IP Phone 2004 Phase 2  i2004 Ph2 Regular online  0 09:36:30 061-02 061-02 18-0019e1e52731-66  DBG    2.9    5100 5000
192.168.1.114  IP Phone 2004 Phase 0/1 i2004     Regular online  0 09:36:35 061-03 061-03 18-000ae4050891-66  B76    2.9    5100 5000
192.168.1.109  IP Phone 1140E      i2004 Ph2 Regular online  0 09:35:39 061-04 061-04 18-001b252f52c3-66  C4B    2.9    5100 5000
192.168.1.112  IP Phone 2004 Phase 0/1 i2004     Regular online  0 09:36:25 061-07 061-07 18-00603876de40-66  B76    2.9    5100 5000

Total sets = 6
    
```

## 12.2 isetFWShow

Show general information about firmware of all registered sets

4.50 / 5.00

```

isetFWShow

oam> isetFWShow

Set Information
-----
IP Address      Model Name          Type      FWID Supported  FWVsn  UNIStimVsn  Set-TN
-----
192.168.13.102  IP Phone 1150E      1150      0x27 Yes        C4D     2.9 096-00-00-01
192.168.1.109  IP Phone 2001 Phase 2  2001P2    0x02 Yes        DBG     2.9 096-00-00-12
192.168.11.101  IP Phone 1110       1110      0x23 Yes        C4D     2.9 096-00-00-09
192.168.1.105  IP Phone 2004 Phase 0/1 2004P1    0x00 Yes        B76     2.9 096-00-00-03
192.168.1.104  IP Phone 2001 Phase 2  2001P2    0x02 Yes        DBG     2.9 096-00-00-14
192.168.200.80  IP Phone 2002 Phase 2  2002P2    0x02 Yes        DBG     2.9 096-00-00-05
192.168.12.102  IP Phone 2004 Phase 2  2004P2    0x02 Yes        DBG     2.9 096-00-00-02
192.168.14.102  IP Phone 1140E      1140      0x25 Yes        C4I     2.9 096-00-00-04

Total sets = 8
    
```



## 12.3 isetNATShow

Show information about registered sets behind a NAT router

4.50 / 5.00

```

isetNATShow

oam> isetNATShow

NAT Set Information
-----
Signalling          Media
Public IP Addr:Port Public IP Addr:Port
(Private IP Addr:Port) (Private IP Addr:Port)   NAT Type RTCP   Model Name           Type           Set-TN           Regd-TN
-----
Total NAT sets = 0
    
```

## 12.4 isetShowByTN

Show general information for all registered sets, sorted by TN

4.50 / 5.00

```

isetShowByTN

oam> isetShowByTN

IP Address  NAT  Model Name           Type           RegType State  Up Time  Set-TN  Reg-TN  HWID           FWVsn  SrcPort  DstPort
-----
192.168.1.104  IP Phone 1150E           IPACD          Regular online  0 09:35:49  061-00  061-00  18-00159bfea4de-66  C4C  2.9  5100  5000
192.168.1.105  IP Phone 2007 Phase 2  i2004 Ph2     Regular online  0 09:36:00  061-01  061-01  18-000ae4769ace-66  C4J  2.9  5100  5000
192.168.1.108  IP Phone 2004 Phase 2  i2004 Ph2     Regular online  0 09:36:30  061-02  061-02  18-0019e1e52731-66  DBG  2.9  5100  5000
192.168.1.114  IP Phone 2004 Phase 0/1 i2004         Regular online  0 09:36:35  061-03  061-03  18-000ae4050891-66  B76  2.9  5100  5000
192.168.1.109  IP Phone 1140E           i2004 Ph2     Regular online  0 09:35:39  061-04  061-04  18-001b252f52c3-66  C4B  2.9  5100  5000
192.168.1.112  IP Phone 2004 Phase 0/1 i2004         Regular online  0 09:36:25  061-07  061-07  18-00603876de40-66  B76  2.9  5100  5000

Total sets = 6
    
```

## 12.5 isetShowByIP

Show general information for all registered sets, sorted by IP

4.50 / 5.00

```

isetShowByIP

oam> isetShowByIP

IP Address  NAT  Model Name           Type           RegType State  Up Time  Set-TN  Reg-TN  HWID           FWVsn  SrcPort  DstPort
-----
192.168.1.104  IP Phone 1150E           IPACD          Regular online  0 09:35:49  061-00  061-00  18-00159bfea4de-66  C4C  2.9  5100  5000
192.168.1.105  IP Phone 2007 Phase 2  i2004 Ph2     Regular online  0 09:36:00  061-01  061-01  18-000ae4769ace-66  C4J  2.9  5100  5000
192.168.1.108  IP Phone 2004 Phase 2  i2004 Ph2     Regular online  0 09:36:30  061-02  061-02  18-0019e1e52731-66  DBG  2.9  5100  5000
192.168.1.109  IP Phone 1140E           i2004 Ph2     Regular online  0 09:35:39  061-04  061-04  18-001b252f52c3-66  C4B  2.9  5100  5000
    
```



```

192.168.1.112 IP Phone 2004 Phase 0/1 i2004 Regular online 0 09:36:25 061-07 061-07 18-00603876de40-66 B76 2.9 5100 5000
192.168.1.114 IP Phone 2004 Phase 0/1 i2004 Regular online 0 09:36:35 061-03 061-03 18-000ae4050891-66 B76 2.9 5100 5000

Total sets = 6
    
```

## 12.6 isetLocShow

Show location information for all connected sets or specified set

5.00

### isetLocShow

oam> *isetLocShow*

Set Location Information

```

-----
      IP Address: Port           HWID           ERL   ECL  Location Description MU NU   State
-----
192.168.13.102:5000 18-00159bfea4de-6627 13    0  THIR D FLOOR           0 0 online
192.168.1.109:5000 18-0019e1e5e1a8-6602 1      0  MAIN BUI LDING           0 0 online
192.168.11.101:5000 18-001b252edec5-6623 11     0  ATRIUM                   0 0 online
192.168.1.105:5000 18-000ae4050891-6600 1      0  MAIN BUI LDING           0 0 online
192.168.1.104:5000 18-0019e1e5e154-6602 1      0  MAIN BUI LDING           0 0 online
192.168.200.80:5000 18-001bbafae620-6602 200    0  E911 LAB                 0 0 online
192.168.12.102:5000 18-0019e1e52731-6602 12     0  CAFETERIA                0 0 online
192.168.14.102:5000 18-001b252f52c3-6625 14     0  FOURTH FLOOR            0 0 online
    
```

Total number of sets = 8

Sets that need location update = 0

## 12.7 isetLocNeedUpdateShow

Show location information for connected sets that need a location update

5.00

### isetLocNeedUpdateShow

oam> *isetLocNeedUpdateShow*

Set Location Information

```

-----
      IP Address: Port           HWID           ERL   ECL  Location Description MU NU   State
-----
47.11.216.144:5000 18-001365fef37e-6625 216    0  SUBNET 216              0 1 online
47.11.214.211:5000 18-006038dd0d06-6600 0       0  UNKNOWN                 0 1 online
    
```

Total number of sets = 4

Sets that need location update = 2



## 12.8 isetLocNeedUpdateShow\_DM

Show location information for connected sets that need a location update

5.00

```

isetLocNeedUpdateShow_DM
oam> isetLocNeedUpdateShow+DM
Set Location Information
-----
      IP Address:Port           HWID           ERL   ECL  Location Description MU  NU   State
-----
47.11.216.144:5000    18-001365fef37e-6625    216   0  SUBNET 216           0  1  online
47.11.214.211:5000    18-006038dd0d06-6600     0     0  UNKNOWN                0  1  online

Total number of sets = 4
Sets that need location update = 2
    
```

## 12.9 isetLocUpdate

Update location information for specified set

5.00

### 12.9.1 Usage: isetLocUpdate "IP" "Port" "ERL" "ECL" "LocDesc"



WARNING: This command is for Discovery Manager use only. Running this command manually will modify the ESA / E911 call handling characteristics and may result in improper emergency response and call termination.

## 12.10 isetReset

Reset registered IP set

4.50 / 5.00

### 12.10.1 Usage: isetReset [l s c u] or [IP]

## 12.11 isetResetAll

Reset all registered IP sets

4.50 / 5.00



## 12.12 isetCount

Show total number of registered sets

4.50 / 5.00

### 12.12.1 Usage: isetCount [query]

Show total number of registered sets based on given query, The query string is a sequence of expressions, linked together by &&. Each expression consists of three parts: opcode1, operator and opcode2, Currently only the following operators are handled: ==, !=, <, >, <= and >=

Example:

```
TN == 61 23 && IP == 47.11.216.242
```

## 12.13 isetGet

Show a list of IP phones based on a given query

4.50 / 5.00

### 12.13.1 Usage: isetGet [query]

Show a list of IP phones based on a given query. The query string is a sequence of expressions, linked together by &&. Each expression consists of three parts: opcode1, operator and opcode2,

Currently only the following operators are handled: ==, !=, <, >, <= and >=

4.50 / 5.00

Example:

```
TN == 61 23 && IP == 47.11.216.242
```

## 12.14 isetFWGet

Show a list of IP phones firmwares based on a given query

4.50 / 5.00

### 12.14.1 Usage: isetFWGet [query]

Show a list of IP phones firmwares based on a given query. The query string is a sequence of expressions, linked together by &&. Each expression consists of three parts: opcode1, operator and opcode2.

Currently only the following operators are handled: ==, !=, <, >, <= and >=

4.50 / 5.00

Example:

```
TN == 61 23 && IP == 47.11.216.242
```

## 12.15 itgPLThreshold

Set the i2004 and gateway alarm packet loss threshold (units .1%)

4.50 / 5.00

### 12.15.1 Usage: itgPLThreshold [value]



## 12.16 nodePwdSet

Set password for current node

4.50 / 5.00

Usage: nodePwdSet [pwd]

### 12.16.1

## 12.17 nodePwdShow

Show node password setting

4.50 / 5.00

```
nodePwdShow
oam> nodePwdShow
```

NodeID	PwdEna	Pwd	TmpPwd	Uses	TimeOut
1000	No			0	0d 0h 0m 0s

## 12.18 nodePwdEnable

Enable node password setting

4.50 / 5.00

## 12.19 nodePwdDisable

Disable node password setting

4.50 / 5.00

## 12.20 nodeTempPwdSet

Set a temporary password for current node

4.50 / 5.00

12.20.1 Usage: nodeTempPwdSet [arg, int, int]

## 12.21 nodeTempPwdClear

Clear the temporary password for current node

4.50 / 5.00



## 12.22 clearLockout

Clear Branch User Config lockout 4.50 / 5.00

**12.22.1 Usage: clearLockout [IP | TN]**

## 12.23 dsetDelayHookswitchSet

Configure maximum value of time period in msec during which set waits for the hookswitchRequest 4.50 / 5.00

**12.23.1 Usage: dsetDelayHookswitchSet ["SetType", NewValue]**

Set Type value for example: i2004, i2050, i2004Ph2 etc. 4.50 / 5.00

Example:

```
dsetDelayHookswitchSet "i2004Ph2",3000
```

## 12.24 cookieShowByTN

Print the cookie list for a set specified by TN 5.00

**12.24.1 Usage: cookieShowByTN TN**

## 12.25 cookieShowByName

Print the list of sets with a particular cookie set 5.00

**12.25.1 Usage: cookieShowByName Name**

## 12.26 cookieRegShow

Print the cookie registry 5.00

```

cookieRegShow
oam> cookieRegShow

Cookie Registry Information
-----
Name                iSPublic  iSPersist  idStorage  Count  Server  type
-----
Language            true      false      0          1      0
HomeVPNI            true      true       1          7      0
HomeZone            true      true       1          7      0
TN                  true      false     1          6      0
    
```



CallState	true	false	1	6	0
CustNo	true	false	1	6	0
VPNI	true	false	1	6	0
Zone	true	false	1	6	0
AgentPosition	true	false	1	1	0
PrimeDN	true	false	1	6	0
HandsfreeRxVolume	false	true	1	1	0
Total: 11 items					



# 13. MAM Module Commands

## 13.1 firmwareVersionShow

Prints out firmware version number

4.50 / 5.00

## 13.2 IPInfoShow

Prints IP information

4.50 / 5.00

```

IPInfoShow
oam> IPInfoShow
Maintenance Interface = fei 0
Maintenance IP address = 192.168.200.5
Maintenance subnet mask = 255.255.255.0
Voice Interface = fei 1
Voice IP address = 192.168.100.201
Voice subnet mask = 255.255.255.0

ROUTE NET TABLE
desti nati on      gateway                fl ags  Refcnt  Use      Interface
-----
0.0.0.0           192.168.100.1         33619971  7      280503   fei 1
192.168.100.0    192.168.100.201      33554689  3      0        fei 1
192.168.100.0    192.168.100.200      257      0      0        fei 1
192.168.200.0    192.168.200.5        33554689  3      0        fei 0
-----

ROUTE HOST TABLE
desti nati on      gateway                fl ags  Refcnt  Use      Interface
-----
127.0.0.1         127.0.0.1             35651589  3      5        lo0
192.168.1.40      192.168.100.1         33947655  0      15858    fei 1
192.168.1.101     192.168.100.1         33685511  1      264599   fei 1
192.168.1.160     192.168.100.1         33685511  2      35188    fei 1
192.168.100.200  192.168.100.200      35651589  0      42053    lo0
-----
    
```



### 13.3 itgCardShow

Show card info

4.50 / 5.00

```

itgCardShow
oam> itgCardShow

Index      : 0
Role       : Leader
Node       : 1000
Leader IP  : 192.168.1.160
Card IP    : 192.168.1.165
Uptime    : 2 days, 1 hours, 29 mins, 18 secs (178158 secs)
Codecs    : G711Ulaw(default), G711Alaw, G711CC, T38FAX
    
```

### 13.4 itgMemShow

Show the memory usage

4.50 / 5.00

```

itgMemShow
oam> itgMemShow 1

FREE LIST:
  num  addr      size
  ----  -
    1 0x0c676f38    32
  . . .
< snip >
  . . .
   204 0x1cad4000   3384

SUMMARY:
status  bytes      blocks  avg block  max block
-----  -
current
  free  103756056    204     508608  102692912
  alloc 312903436  105292     2971      -
cumulative
  alloc 3981864036  427693     9310      -
    
```



## 13.5 resetOM

Resets the operational measurement file timer

4.50 / 5.00

## 13.6 bootPFileGet

Sends an updated bootptab file from a remote host

4.50 / 5.00

**13.6.1 Usage: bootPFileGet [host user passwd hostDirPath hostFileName]**

## 13.7 bootPFilePut

Sends the bootptab file to the specified host

4.50 / 5.00

**13.7.1 Usage: bootPFilePut [host user passwd hostDirPath hostFileName]**

## 13.8 configFileGet

Sends an updated config.ini file from a remote host

4.50 / 5.00

**13.8.1 Usage: configFileGet [host user passwd hostDirPath hostFileName]**

## 13.9 omFilePut

Sends the current OM file to the specified host

4.50 / 5.00

**13.9.1 Usage: omFilePut [host user passwd hostDirPath hostFileName]**

## 13.10 currOMFilePut

Sends the current OM file to the specified host

4.50 / 5.00

**13.10.1 Usage: currOMFilePut [host user passwd hostDirPath hostFileName]**

## 13.11 prevOMFilePut

Sends the previous OM file to the specified host

4.50 / 5.00



**13.11.1 Usage: prevOMFilePut [host user passwd hostDirPath hostFileName]**

## **13.12 hostFileGet**

Transfers any file from remote host to local device 4.50 / 5.00

**13.12.1 Usage: hostFileGet [ftype listener host user passwd hostDirPath hostFileName localDirPath localFileName]**

## **13.13 hostFilePut**

Transfers any file from local device to the remote host 4.50 / 5.00

**13.13.1 Usage: hostFilePut [ftype listener host user passwd hostDirPath hostFileName localDirPath localFileName]**

## **13.14 swDownload**

Loads new version of software from FTP host to ITG card 4.50 / 5.00

**13.14.1 Usage: swDownload [host user passwd dir fileName]**

## **13.15 itgAlarmTest**

Generates ITGXXXX test alarms 4.50 / 5.00

**13.15.1 Usage: itgAlarmTest [value]**

## **13.16 itgPLThreshold**

Set the i2004 and gateway alarm packet loss threshold (units .1%) 4.50 / 5.00

**13.16.1 Usage: itgPLThreshold [value]**



## 13.17 **disiAll**

Graceful disable LTPS and VGW

4.50 / 5.00

### **disiAll**

```
oam> disiAll
20/11/2007 09:34:10 LOG0006 TPS: Service disabled
20/11/2007 09:34:10 LOG0006 SET: Service disabled, Reset All Sets when Idle
```

## 13.18 **enaAll**

Enable LTPS and VGW (opposite of disiAll)

4.50 / 5.00

### **enaAll**

```
oam> enaAll
20/11/2007 09:36:08 LOG0006 TPS: Service enabled
20/11/2007 09:36:08 LOG0006 SET: Service enabled
```

## 13.19 **disServices**

Causes the server to gracefully switch the registered resources to the other services in the same node

4.50 / 5.00

## 13.20 **forcedisServices**

Forces the server to switch the registered resources to the other services in the same node

4.50 / 5.00

## 13.21 **enlServices**

Causes all the services to accept registration of resources

4.50 / 5.00



## 13.22 servicesStatusShow

Shows the status of services

4.50 / 5.00

### servicesStatusShow

oam> **servicesStatusShow**

Gatekeeper Info

```
-----
GK Version       : 4.50.88
GK Role          : Primary GK
Status           : Active
Alt GK status    : GK_OUT_OF_SERVICE
SS Role          : Leader SS
Primary GK IP    : 192.168.1.165(1719)
Alternate GK IP  : 0.0.0.0(1719)
```

TPS Information

```
-----
TPS is Enabled
```

Set Information

```
-----
```

IP Address	NAT	Model Name	Type	RegType	State	Up Time	Set-TN	Reg-TN	HWID	PWsn	SrcPort	DstPort
192.168.1.104		IP Phone 1150E	IPACD	Regular	online	0 09:35:49	061-00	061-00	18-00159bfea4de-66	C4C	2.9	5100 5000
192.168.1.105		IP Phone 2007 Phase 2	i2004 Ph2	Regular	online	0 09:36:00	061-01	061-01	18-000ae4769ace-66	C4J	2.9	5100 5000
192.168.1.108		IP Phone 2004 Phase 2	i2004 Ph2	Regular	online	0 09:36:30	061-02	061-02	18-0019e1e52731-66	DBG	2.9	5100 5000
192.168.1.114		IP Phone 2004 Phase 0/1	i2004	Regular	online	0 09:36:35	061-03	061-03	18-000ae4050891-66	B76	2.9	5100 5000
192.168.1.109		IP Phone 1140E	i2004 Ph2	Regular	online	0 09:35:39	061-04	061-04	18-001b252f52c3-66	C4B	2.9	5100 5000
192.168.1.112		IP Phone 2004 Phase 0/1	i2004	Regular	online	0 09:36:25	061-07	061-07	18-00603876de40-66	B76	2.9	5100 5000

Total sets = 6

VTRK Services Switch Over Command Status Show

```
-----
Command: enlVTRK
Status: Failed
Reason: VTRK is enabled, enlVTRK was ignored
```

GK Services Switch Over Command Status Show

```
-----
Command: enlNRS
Status: Failed
Reason: GK is enabled, enlNRS was ignored
```

LTPS Services Switch Over Command Status Show

```
-----
Command: loadBalance
Status: Successful
Reason: Causes the service to attempt to balance the registration load of sets between this service and the rest of the node services. After a couple of minutes, all sets will be balanced.
```



## 13.23 soCmdStatusShow

Shows service switch over commands status

4.50 / 5.00

### soCmdStatusShow

```
oam> soCmdStatusShow
```

```
VTRK Services Switch Over Command Status Show
```

```
-----
Command: enl VTRK
Status:  Failed
Reason:  VTRK is enabled, enl VTRK was ignored
```

```
GK Services Switch Over Command Status Show
```

```
-----
Command: enl NRS
Status:  Failed
Reason:  GK is enabled, enl NRS was ignored
```

```
LTPS Services Switch Over Command Status Show
```

```
-----
Command: LoadBalance
Status:  Successful
Reason:  Causes the service to attempt to balance the registration load of sets
between this service and the rest of the node services. After a couple of
minutes, all sets will be balanced.
```

## 13.24 soHelpMenu

Shows all the commands that can be used for Services Switch Over

4.50 / 5.00

```
Servi ces Swi tch Over Hel p Menu
```

```
-----
```

```
Graceful di sabl e servi ces
```

```
di sServi ces:
```

```
Causes the server to gracefully switch the registered resources to the other
services in the same node
```

```
di sTPS:
```

```
Causes the line LTPS to gracefully switch the registered sets to the other
cards located in the same node
```



di sVTRK:

Causes the virtual trunk to gracefully switch the registered virtual trunks to other SS located in the same node

di sNRS:

Puts out of service the local gatekeeper and puts in service the alternative gatekeeper if available

Force disable services

forcedi sServices:

Forces the server to switch the registered resources to the other services in the same node

forcedi sTPS:

Forces all registered line LTPS to unregister from the local server

forcedi sVTRK:

Forces all registered virtual trunks to unregister from the local server

forcedi sNRS:

Forces the local gatekeeper to be put out of service

Enable services

enl Services:

Causes all the services to accept registration of resources

enl TPS:

Causes line LTPS application to be enabled and to accept set registrations

enl VTRK:

Causes the virtual trunk application to be enabled and to accept virtual trunk registrations

enl NRS:

Causes the local gatekeeper to be put in service

loadBalance:

Causes the service to attempt to balance the registration load of sets between this service and the rest of the node services

## 13.25 lossPlanPrt

Prints the offsets and current values for handset, headset and handsfree RLR and SLR 4.50 / 5.00

lossPlanPrt			
oam> <i>lossPlanPrt</i>			
Parameter	Default	Offset	Result
-----	-----	-----	-----



HandsetRLR	2	0	2
HandsetSLR	8	0	8
HeadsetRLR	0	0	0
HeadsetSLR	8	0	8
HandsfreeRLR	13	0	13
HandsfreeSLR	16	0	16



## 14. Network Connect Server Commands

### 14.1 tpsARTrace

Enable tracing for the Network Connect Server 4.50 / 5.00

#### 14.1.1 Usage: tpsARTrace <TYPE> <Trace Identifier>

<TYPE> = ALL, IP, or ID

Examples:

Trace All: tpsARTrace All

Trace on a DN: tpsARTrace ID 7778

Trace on a NCS, Node, or TLAN IP: tpsARTrace IP 192.168.2.2

Trace on a H323 Alias: tpsARTrace ID someH323Alias

### 14.2 tpsARTraceOff

Disable tracing for the Network Connect Server for a specified identifier 4.50 / 5.00

#### 14.2.1 Usage: Format: tpsARTraceOff <Trace Identifier>

### 14.3 tpsARTraceAllOff

Disable tracing for the Network Connect Server for all specified identifier 4.50 / 5.00

### 14.4 tpsAROutput

Modifies the destination for the traced output of the Network Connect Server 4.50 / 5.00

#### 14.4.1 Usage: Format: tpsAROutput <Output Type> <File\_Name>

<Output Type> = TTY, RPTLOG, FILE, or TTY+FILE

<File\_Name> = a filename in 8.3 format (only needed for Output Types of FILE and TTY+FILE)

### 14.5 tpsARTraceSettings

Displays the trace settings, and items being traced for the Network Connect Server trace 4.50 / 5.00



## 14.6 tpsARTraceHelp

Provides help on usage of the tpsARTrace commands

4.50 / 5.00

Proprietary Connection Service (tpsAR) Message trace help

tpsARTraceSettings

Description: Show the current trace settings

tpsAROutput <Trace Output>,<"File Name">

Description: Set the destination output for the trace

Input values: 1 = TTY, 2 = RPTLOG/SYSLOG, 3 = File, 4 = TTY and File

tpsARTraceOff <"Trace Identifier">

Description: Turns off the trace for the specified trace identifier

tpsARTraceAllOff

Description: Turns off the trace for the all the specified identifiers

tpsARTrace <"TYPE">,<"Trace Identifier">

Description: Turn the trace on for a specified identifier

<"TYPE"> = "ALL", "IP" , or "ID"

Examples:

Search on a NCS, Node, or TLAN IP Address

```
tpsARTrace "IP","192.168.2.2"
```

Search on a H323 Alias

```
tpsARTrace "ID","MyH323Alias"
```

Search on a DN that is logging in

```
tpsARTrace "ID","7778"
```



# 15. Network Protocol Module Commands

## 15.1 H323GwRegTrace

Trace incoming and outgoing H323 Gateway registration messages

5.00

### 15.1.1 Usage: H323GwRegTrace on / off

## 15.2 H323CallTrace

Trace H323 incoming and outgoing call setup messages for selected channels or called/calling numbers from 1 to 32 digits. A maximum of 10 numbers can be traced.

4.50 / 5.00

### 15.2.1 Usage: H323CallTrace ch

- A) H323CallTrace ch <on or off>
- B) H323CallTrace ch <on or off (MsgRecv)> <on or off (MsgSend)>
- C) H323CallTrace ch <channel #> <MsgRecv> <MsgSend>
- D) H323CallTrace ch <start ch #> <end ch #> <MsgRecv> <MsgSend>

### 15.2.2 Usage: H323CallTrace num

- A) H323CallTrace num <called/calling #> <MsgRecv> <MsgSend>
- B) H323CallTrace num <called/calling #> <NPI> <TON> <MsgRecv> <MsgSend>

NPI values	TON values
0 - ALL	0 - ALL
1 - Unknown number	1 - Unknown number
2 - ISDN (E.164)	2 - International number
3 - Private Numbering	3 National Number
4 - E.163	4 - Network Specific Number
5 - Telex numbering	5 - Subscriber Number
6 - Data numbering	6 - Level 1 Regional
7 - National standard	7 Level 0 Regional (Abbreviated #) numbering



## 15.3 H323TraceShow

Show input and output display settings for H323CallTrace and H323Output settings 4.50 / 5.00

```

H323TraceShow
oam> H323TraceShow

Output to RPT

Calling/called number          NPI   TON   H323MsgRecv  H323MsgSend
=====                      ===   ==   =====
No entries

Channel s      H323MsgRecv (VTRK->NPM)   H323MsgSend (NPM->VTRK)
=====
0 - 382                OFF                          OFF
    
```

## 15.4 H323Output

Direct H323Trace output to tty, syslog, file, or TTY and file 4.50 / 5.00

### 15.4.1 Usage: H323Output <output option> <"file name">

Output options:

- 1 - TTY
- 2 - RPT (syslog)
- 3 - User specified FILE in the /u/trace directory.
- 4 - TTY and user specified FILE



## 15.5 H323GwShow

Show information about the H323 Network Protocol module

4.50 / 5.00

### H323GwShow

```
oam> H323GwShow
```

```
Npm status:                Active
Active GateKeeper:         192.168.100.201 (primary)
GateKeeper registration status: registered, TTL: 25 secs, re-register: 1 secs
Channels Busy / Idle / Total: 0 / 4 / 4
Stack version:             RadVsi on 4.1.0.19
Channel tracing:           -1
Signaling Server H323 ID : FletchNet_SS2_500
H323GwRegTrace:           OFF
Output Type Used:         RPT
```



## 16. Network Routing Service Commands

### 16.1 nrsGWEndpointShow

List all the gateway endpoint in the database

4.50 / 5.00

#### 16.1.1 Usage: nrsGWEndpointShow [DB selector]

DB Selector = Active or Inactive

### 16.2 nrsUserEPShow

List all the user endpoint in the database

4.50 / 5.00

#### 16.2.1 Usage: nrsUserEndpointShow [DB selector]

DB Selector = Active or Inactive

### 16.3 nrsCollaboratingServerShow

List all the Collaborating Servers in the database

4.50 / 5.00

#### 16.3.1 Usage: nrsCollaboratingServerShow [DB selector]

DB Selector = Active or Inactive

### 16.4 nrsL0DomainShow

List all the in Level 0 Domains the database

4.50 / 5.00

#### 16.4.1 Usage: nrsL0DomainShow [DB selector]

DB Selector = Active or Inactive

### 16.5 nrsL1DomainShow

list all the in Level 1 Domains the database

4.50 / 5.00

#### 16.5.1 Usage: nrsL1DomainShow [DB selector]

DB Selector = Active or Inactive



## 16.6 nrsRoutingEntryShow

List all the in Routing Entrys the database

4.50 / 5.00

### 16.6.1 Usage: nrsRoutingEntryShow [DB selector]

DB Selector = Active or Inactive

## 16.7 nrsServiceDomainShow

List all the in Service Domains the database

4.50 / 5.00

### 16.7.1 Usage: nrsServiceDomainShow [DB selector]

DB Selector = Active or Inactive

## 16.8 nrsCollaboratingServerQuery

Query one Collaborating Server from the database

4.50 / 5.00

### 16.8.1 Usage: nrsCollaboratingServerQuery [server IP Addr, DB selector]

DB Selector = Active or Inactive

## 16.9 nrsGWEndpointQuery

Query one gateway endpoint from the database

4.50 / 5.00

### 16.9.1 Usage: nrsGWEndpointQuery [endpoint name, DB selector]

DB Selector = Active or Inactive

## 16.10 nrsUserEPQuery

Query one user endpoint from the database

4.50 / 5.00

### 16.10.1 Usage: nrsUserEPQuery [service domain, endpoint name, DB selector]

DB Selector = Active or Inactive

## 16.11 nrsL0DomainQuery

Query one Level 0 Domain from the database

4.50 / 5.00



## 16.12 nrsL1DomainQuery

Query one Level 1 Domain from the database

4.50 / 5.00

## 16.13 nrsServiceDomainQuery

Query one Service Domain from the database

4.50 / 5.00

## 16.14 nrsDefaultRouteQuery

List all the default routes, which belong to an endpoint in the database

4.50 / 5.00

## 16.15 nrsDBShow

Show the state of Primary and Alternate NRS and local NRS DB

4.50 / 5.00

## 16.16 nrsDBSyncForce

Force sync NRS database to the alternate NRS or the failsafe NRS

4.50 / 5.00

## 16.17 nrsDBStateShow

Show the internal state in NRS DB

4.50 / 5.00



# 17. NRS OMM Display Commands

## 17.1 NrsOmmShow

Show the current hour counts statistics for H.323 GK and SIP RDS

4.50 / 5.00

```

NrsOmmShow
oam> NrsOmmShow
H. 323 NRS STATISTICS FOR THE CURRENT HOUR
=====
H323NrsGatekeeperReq: 0
H323NrsGatekeeperConf: 0
H323NrsGatekeeperRej: 0
H323NrsRegistrationReq: 170
H323NrsRegistrationConf: 170
H323NrsRegistrationRej: 0
H323NrsUnregistrationReqRecd: 0
H323NrsUnregistrationConfSent: 0
H323NrsUnregistrationRejSent: 0
H323NrsAdmissionReq: 4
H323NrsAdmissionConf: 4
H323NrsAdmissionRej: 0
H323NrsLocationReqRecd: 0
H323NrsLocationConfSent: 0
H323NrsLocationRejSent: 0
H323NrsBandwidthReqRecd: 0
H323NrsBandwidthConfSent: 0
H323NrsBandwidthRejSent: 0
H323NrsDisengageReq: 4
H323NrsDisengageConf: 4
H323NrsDisengageRej: 0

SIP NRS STATISTICS FOR THE CURRENT HOUR
=====
SIPNrsRoutingAttempts:      0
SIPNrsRoutingSuccesses:    0
SIPNrsRoutingFailures:     0
SIPNrsRegistrationAttempts: 82
SIPNrsRegistrationSuccesses: 82
    
```



SIPNrsRegistrationFailures: 0

## 17.2 NrsOmmAvShow

Show the daily totals, averages and weekly averages for H.323 and SIP messaging 4.50 / 5.00

### NrsOmmAvShow

oam> *NrsOmmAvShow*

Daily totals for H323 NRS messages

=====

H323NrsTotal GatekeeperReqRecd: 0  
 H323NrsTotal GatekeeperConfSent: 0  
 H323NrsTotal GatekeeperRej Sent: 0  
 H323NrsTotal RegistrationReqRecd: 3057  
 H323NrsTotal RegistrationConfSent: 3057  
 H323NrsTotal RegistrationRej Sent: 0  
 H323NrsTotal UnregistrationReqRecd: 0  
 H323NrsTotal UnregistrationConfSent: 0  
 H323NrsTotal UnregistrationRej Sent: 0  
 H323NrsTotal AdmissionReqRecd: 4  
 H323NrsTotal AdmissionConfSent: 4  
 H323NrsTotal AdmissionRej Sent: 0  
 H323NrsTotal LocationReqRecd: 0  
 H323NrsTotal LocationConfSent: 0  
 H323NrsTotal LocationRej Sent: 0  
 H323NrsTotal BandwidthReqRecd: 0  
 H323NrsTotal BandwidthConfSent: 0  
 H323NrsTotal BandwidthRej Sent: 0  
 H323NrsTotal DisengageReqRecd: 4  
 H323NrsTotal DisengageConfSent: 4  
 H323NrsTotal DisengageRej Sent: 0

Daily average for H323 NRS messages

=====

H323NrsAvGatekeeperReqRecd: 0  
 H323NrsAvGatekeeperConfSent: 0  
 H323NrsAvGatekeeperRej Sent: 0  
 H323NrsAvRegistrationReqRecd: 127  
 H323NrsAvRegistrationConfSent: 127



```

H323NrsAvRegi strati onRej Sent: 0
H323NrsAvUnregi strati onReqRecd: 0
H323NrsAvUnregi strati onConfSent: 0
H323NrsAvUnregi strati onRej Sent: 0
H323NrsAvAdmi ssi onReqRecd: 0
H323NrsAvAdmi ssi onConfSent: 0
H323NrsAvAdmi ssi onRej Sent: 0
H323NrsAvLocati onReqRecd: 0
H323NrsAvLocati onConfSent: 0
H323NrsAvLocati onRej Sent: 0
H323NrsAvBandwi dthReqRecd: 0
H323NrsAvBandwi dthConfSent: 0
H323NrsAvBandwi dthRej Sent: 0
H323NrsAvDi sengageReqRecd: 0
H323NrsAvDi sengageConfSent: 0
H323NrsAvDi sengageRej Sent: 0

Average H.323 NRS statistics for the current week
=====

Average GatekeeperReq: 0      Average GatekeeperConf: 0      Average GatekeeperRej : 0
Average Regi strati onReq: 2104  Average Regi strati onConf: 2104  Average Regi strati onRej :
0
Average Unregi strati onReq: 0      Average Unregi strati onConf: 0      Average
Unregi strati onRej : 0
Average Admi ssi onReq: 0      Average Admi ssi onConf: 0      Average Admi ssi onRej : 0
Average Locati onReq: 0      Average Locati onConf: 0      Average Locati onRej : 0
Average Bandwi dthReq: 0      Average Bandwi dthConf: 0      Average Bandwi dthRej : 0
Average Di sengageReq: 0      Average Di sengageConf: 0      Average Di sengageRej : 0

Daily totals for SIP NRS Data
=====
SIPNrsTotal Routi ngAttempts:      0
SIPNrsTotal Routi ngSuccesses:      0
SIPNrsTotal Routi ngFai lures:      0
SIPNrsTotal Regi strati onAttempts: 1471
SIPNrsTotal Regi strati onSuccesses: 1471
SIPNrsTotal Regi strati onFai lures: 0

Daily averages for SIP NRS Data
=====
SIPNrsAverageRouti ngAttempts:      0
SIPNrsAverageRouti ngSuccesses:      0
    
```



```
SIPNrsAverageRoutingFailures: 0
SIPNrsAverageRegisterAttempts: 61
SIPNrsAverageRegisterSuccesses: 61
SIPNrsAverageRegisterFailures: 0
```

Average SIP NRS statistics for the current week

=====

```
Average SIP Routing Attempts: 0
Average SIP Routing Successes: 0
Average SIP Routing Failures: 0
Average SIP Register Attempts: 1012
Average SIP Register Successes: 1012
Average SIP Register Failures: 0
```



## 18. PBX Link Commands

### 18.1 pbxLinkShow

Show Call Server link status

4.50 / 5.00

#### pbxLinkShow

```
oam> pbxLinkShow
Active Call Server type = CS 1000E
Active Call Server S/W Release = 500W
Supported Features: CorpDir UserKeyLabel VirtualOffice UseCSPwd 2001P2
2004P2 2002P2 PD/RL/CL QoS Monitoring NAT Traversal ACF IP ACD 1150
NextGen Phones
Call Server Main: ip = 192.168.200.10, ConnectID = 0x2e16b878, BroadcastID =
0x2e16b778, Link is up
Call Server Signaling Port = 15000
Call Server Broadcast Port = 15001
Broadcast PortID = 0x2d994ce0
RUDP portID = 0x2d994d40
Tcp Link state = up
Tcp Signaling Port: 15000
Tcp socket fd: 29
Tcp msgs sent: 197298
Tcp msgs recd: 3119461
```



## 19. Security Shell Commands

### 19.1 disInsecureShells

Disables all insecure shells in the system. This includes TELNET and RLOGIN sessions.

4.50 / 5.00

### 19.2 enlInsecureShells

Enables all insecure shells in the system. This includes TELNET and RLOGIN sessions

4.50 / 5.00

### 19.3 statInsecureShells

Shows whether insecure shell access is enabled or disabled

4.50 / 5.00

### 19.4 disSecureShells

Disables all secure shells in the system. This includes SSH, sFTP, and SCP sessions

5.00

### 19.5 enlSecureShells

Enables all secure shells. This includes SSH, sFTP, and SCP sessions

5.00

### 19.6 statSecureShells

Shows whether secure shell access is enabled or disabled

5.00



## 20. SIP CTI Module Commands

### 20.1 SIPCTISessionShow

Shows the total number of TR87 SIP sessions 4.50 / 5.00

### 20.2 SIPCTIClientShow

Shows information about all the soft clients associated 4.50 / 5.00

### 20.3 SIPCTIShow

Shows SIP CTI application status and configuration 4.5 / 5.000

### 20.4 SIPCTIStop

De-acquire one/all AST DN(s) and remove its SIP CTI sessions 4.50 / 5.00

### 20.5 SIPCTITraceLevel

Sets the MessageTrace Level output to TR87 body only or detailed format 4.5 / 5.000

### 20.6 SIPCTITraceShow

Prints SIPCTI Trace settings 4.50 / 5.00

### 20.7 SIPCTIOutput

Redirecting the SIP CTI trace to a specific output destination 4.50 / 5.00

### 20.8 SIPCTITrace

Trace incoming and outgoing TR87 SIP messages 4.50 / 5.00



## 20.9 SIPCTILdapForceUpdate

Update LDAP cache from LDAP server

4.50 / 5.00

## 20.10 SIPCTILdapSetPageSize

Set LDAP page size for LDAP caching

4.50 / 5.00



# 21. SIP CTI OMM Display Commands

## 21.1 SipCtiOmmShow

Show the current hour counts statistics for SIP CTI

4.50 / 5.00

```

SipCtiOmmShow

oam> SipCtiOmmShow

SIP CTI STATISTICS FOR THE CURRENT HOUR
=====
SI PCTI Total SoftCl i entLogi nAttempts: 0
SI PCTI Total SoftCl i entLogi nSuccesses: 0
SI PCTI Total AnswerCal l Requests: 0
SI PCTI Total AnswerCal l Successes: 0
SI PCTI Total Cl earConnecti onRequests: 0
SI PCTI Total Cl earConnecti onSuccesses: 0
SI PCTI Total Consul tati onCal l Requests: 0
SI PCTI Total Consul tati onCal l Successes: 0
SI PCTI Total Defl ectCal l Requests: 0
SI PCTI Total Defl ectCal l Successes: 0
SI PCTI Total Hol dCal l Requests: 0
SI PCTI Total Hol dCal l Successes: 0
SI PCTI Total MakeCal l Requests: 0
SI PCTI Total MakeCal l Successes: 0
SI PCTI Total Retri eveCal l Requests: 0
SI PCTI Total Retri eveCal l Successes: 0
SI PCTI Total Si ngl eStepTransferRequests: 0
SI PCTI Total Si ngl eStepTransferSuccesses: 0
SI PCTI Total TransferCal l Requests: 0
SI PCTI Total TransferCal l Successes: 0
SI PCTI Total Moni torStartRequests: 0
SI PCTI Total Moni torStartSuccesses: 0
SI PCTI Total Moni torStopRequests: 0
SI PCTI Total Moni torStopSuccesses: 0
SI PCTI Total ConferenceCal l Requests: 0
SI PCTI Total ConferenceCal l Successes: 0
SI PCTI Total SetForwardi ngRequests: 0
SI PCTI Total SetForwardi ngSuccesses: 0
    
```



```
SIPCTI Total GetForwardingRequests: 0
SIPCTI Total GetForwardingSuccesses: 0
SIPCTI Total SessionTerminated: 0
```



## 22. SIP Network Module Commands

### 22.1 SIPGwShow

Show information about the SIP Network Protocol module

4.50 / 5.00

#### SipGwShow

```
oam> SipGwShow
```

```
SIPNPM Status           : Active
Primary Proxy IP address : 192.168.100.201
Secondary Proxy IP address : 0.0.0.0
Primary Proxy port       : 5060
Secondary Proxy port     : 5060
Primary Proxy Transport  : TCP
Secondary Proxy Transport : TCP
Active Proxy             : Primary :Registered
Time To Next Registration : 4 Seconds
Channels Busy / Idle / Total : 0 / 4 / 4
Stack version            : 4.0.0.30
TLS Security Policy      : Security Disabled
SIP Gw Registration Trace : OFF
Output Type Used         : RPT
Channel tracing          : -1
```

Channel id should be a non-zero value

```
oam>
```

### 22.2 SIPCallTrace

Trace SIP incoming and outgoing call setup messages for selected channels

4.50 / 5.00

### 22.3 SIPTraceShow

Show input and output display settings for SIPCallTrace and SIPOutput settings

4.50 / 5.00



## 22.4 SIPOutput

Direct SIPCallTrace output to TTY, syslog, file or TTY and file 4.50 / 5.00

## 22.5 SIPTraceLevel

Sets the MessageTrace Level output to Summary or Detailed format 4.50 / 5.00

## 22.6 SIPGwRegTrace

Trace incoming and outgoing SIP registration messages 5.00

### 22.6.1 Usage: SIPGwRegTrace on / off



## 23. System Administration Commands

### 23.1 routeShow

Display host and network routing tables

4.50 / 5.00

```

routeShow
oam> routeShow

ROUTE NET TABLE
destination      gateway          flags  Refcnt  Use          Interface
-----
0.0.0.0         192.168.100.1   33619971 7      281416      fei 1
192.168.100.0   192.168.100.201 33554689 3      0           fei 1
192.168.100.0   192.168.100.200 257      0      0           fei 1
192.168.200.0   192.168.200.5   33554689 3      0           fei 0
-----

ROUTE HOST TABLE
destination      gateway          flags  Refcnt  Use          Interface
-----
127.0.0.1       127.0.0.1       35651589 3      5           lo0
192.168.1.40    192.168.100.1   33947655 0      15900      fei 1
192.168.1.101   192.168.100.1   33685511 1      264717     fei 1
192.168.1.160   192.168.100.1   33685511 2      35303      fei 1
192.168.100.200 192.168.100.200 35651589 0      42195      lo0
-----
    
```

### 23.2 routeAdd

Add a route to the routing tables

4.50 / 5.00

#### 23.2.1 Usage: routeAdd [dest gateway]

### 23.3 routeDelete

Delete a route from the routing tables

4.50 / 5.00

#### 23.3.1 Usage: routeDelete [dest gateway]



## 23.4 ping

Sends ICMP echo request to a host and wait for reply

4.50 / 5.00

Usage: ping [IP | host] or [IP, Num]

The [Num] specifies the number of requested packets, which by default is 4, if not specified.

## 23.5 who

Who is on the system

4.50 / 5.00

```

who
oam> who
FD  DEVI CE      USER      ADDRESS
3   /tyCo/0       nobody
9   /tyCo/1       nobody
69  /pty/pty00.S  fl etch    192. 168. 1. 113
    
```

## 23.6 arpShow

Display the system ARP table

4.50 / 5.00

```

arpShow
oam> arpShow

LI NK LEVEL ARP TABLE
desti nation      gateway          flags  Refcnt  Use          Interface
-----
192. 168. 100. 1   00: 14: c7: 1d: cc: 43  33686533  5      14866        fei 1
192. 168. 100. 201 00: 1b: ba: fd: 2e: 40  35783685  3      65540        lo0
192. 168. 100. 255 ff: ff: ff: ff: ff: ff  37880837  0      5470         fei 1
192. 168. 200. 5   00: 1b: ba: fd: 2e: 3f  35783685  0      4232         lo0
192. 168. 200. 10  00: 19: e1: e8: 2f: 58  33686533  2      1223904      fei 0
192. 168. 200. 80  00: 1b: ba: fa: e6: 20  33686533  0      130331       fei 0
-----
192. 168. 1. 161   00: 60: 38: bd: 3d: ea  0x8405  1      3066         fei 0
192. 168. 1. 165   00: 02: b3: 3f: 6f: 4b  0x8405  3      66420        fei 0
-----
    
```



## 23.7 arpFlush

Flush all the entries in the system ARP table

4.50 / 5.00

## 23.8 diskSizeShow

Shows the physical hard disk size

### diskSizeShow

```
oam> diskSizeShow
had size: 37 GB
```

## 23.9 memSizeShow

Display the total size of the physical memory

5.00

### memSizeShow

```
oam> memSizeShow
512 MB
```

## 23.10 cppmLoopChange

Change IPMG loop number that CPPM SS is located at. The Loop number must be a multiple of 4 between 0-252

## 23.11 cppmShelfChange

Change IPMG shelf number that CPPM SS is located at. Shelf number can be 0 or 1

## 23.12 cppmLocationShow

Displays the CPPM SS location information in the IPMG

### cppmLocationShow

```
oam> cppmLocationShow
```



```
Loop = 4
Shelf = 0
Card = 2
```

## 23.13 swVersionShow

Show software version

4.50 / 5.00

### swVersionShow

```
oam> swVersionShow
sse-5.00.31 Wednesday May 23 2007 21:27:49 EDT

Loaded Modules:
share          sse-5.00.31
h323          sse-5.00.31
osip          sse-5.00.31
solid         sse-5.00.31
line          sse-5.00.31
trunk         sse-5.00.31
gk            sse-5.00.31
web           sse-5.00.31
sproxy        sse-5.00.31
ncs           sse-5.00.31
webss         sse-5.00.31
```

## 23.14 date

Show/set date/time

4.50 / 5.00

### date

```
oam> date
SAT JAN 12 19:15:33 2008
```

## 23.15 uptime

Show system uptime

4.50 / 5.00

**uptime**

```
oam> uptime  
SAT JAN 12 19:15:33 2008
```

**23.16 stty**

Set console TTY properties

4.50 / 5.00

**23.17 consoleShow**

Show console speed

4.50 / 5.00

**consoleShow**

```
oam> consoleShow  
Current speed: 9600
```

**23.18 ppp**

Initiate a PPP connection

4.50 / 5.00

**23.19 sysResShow**

Show the current system resource

5.00

**sysResShow**

```
oam> sysResShow  
  
Total Number of File Descriptors           = 2048  
Total Number of available File Descriptors = 1985  
Total Number of used File Descriptors       = 63
```



## 24. TPS Commands

### 24.1 disiTPS

Disable TPS service when idle

4.50 / 5.00

### 24.2 enaTPS

Enable TPS service (opposite of disiTPS)

4.50 / 5.00

### 24.3 tpsShow

Show TPS info

4.50 / 5.00

#### tpsShow

```
oam> tpsShow
Node ID      : 1000
Is master    : 1
Up time      : 2 days, 3 hours, 25 mins, 12 secs (185112 secs)
Platform     : ISP 1100
TPS Service  : Yes
IP TLAN      : 192.168.1.165
IP ELAN      : 192.168.1.155
ELAN Link    : Up
Sets Connected: 6
Sets Reserved : 0
```

### 24.4 disTPS

Causes the line TPS to gracefully switch the registered sets to the other cards located in the same node

4.50 / 5.00

### 24.5 forcedisTPS

Forces all registered line TPS to unregister from the local server

4.50 / 5.00



## 24.6 enITPS

Causes line TPS application to be enabled and to accept set registrations 4.50 / 5.00

## 24.7 loadBalance

Causes line TPS application to attempt to balance the registration load of sets between this card and the rest of the node components 4.50 / 5.00

## 24.8 UKLossPlanSet

Set IP Phone's loss plan to UK specific values 4.50 / 5.00

## 24.9 lossPlanSet

Adjust the levels of a given transducer by the entered RLR and SLR offsets. 4.50 / 5.00  
Three parameters needed: <transducer> <rlroffset> <slroffset>

## 24.10 UKLossPlanClr

Set IP Phone's loss plan to default values 4.50 / 5.00

## 24.11 lossPlanClr

Set IP Phone's loss plan to default values 4.50 / 5.00



## 24.12 echoServerShow

Show information about the Echo Servers used by this system

4.50 / 5.00

### echoServerShow

```
oam> echoServerShow
```

Echo Server 1

```
-----  
Configured      :      0.0.0.0:10000  
Actual          :  192.168.1.165:10000 (TLAN IP, this card)  
LTPS request sent:      18  
Failed resp rec'd:      0
```

Echo Server 2

```
-----  
Configured      :      0.0.0.0:10000  
Actual          :  192.168.1.160:10000 (node IP, this card)  
LTPS request sent:      0  
Failed resp rec'd:      0
```

NAT Timeout: 30



## 25. General Trace Tool Commands

### 25.1 traceAllOff

Disables the trace facilities from writing to the TTY, SYSLOG, and specified files 4.50 / 5.00

### 25.2 traceAllOn

Allows the trace facilities to resume writing to the TTY, SYSLOG, and/or specified files 4.50 / 5.00

### 25.3 tracePrintOff

Disables the trace facilities from writing to the TTY 4.50 / 5.00

### 25.4 tracePrintOn

Allows the trace facilities to resume writing to the TTY 4.50 / 5.00

### 25.5 traceFileOff

Disables the trace facilities from writing to the SYSLOG, and specified files 4.50 / 5.00

### 25.6 traceFileOn

Allows the trace facilities to resume writing to the SYSLOG, and/or specified files 4.50 / 5.00

### 25.7 traceShow

Displays the configured trace tools that may currently be active 4.50 / 5.00



## 26. Universal ISDN Protocol Commands

### 26.1 DCHmenu

Display a menu of DCH diagnostic tools

4.50 / 5.00

#### DCHmenu

```
oam> DCHmenu
```

Please select one of the DCHmenu options:

- 0 - Print menu (default)
- 1 - Print current DCH state
- 2 - Print current DCH configuration
- 3 - Print application error log
- 4 - Print link error log
- 5 - Print protocol error log
- 6 - Print message log
- 7 - Enable printing all messages processed by UI PC
- 8 - Enable error printing
- 9 - Enable info printing
- 10 - Enter manual message mode
- 11 - Print b channel control blocks
- 99 - Exit menu

Please enter your DCHmenu choice (0 to print the menu):



## 27. UMS Module Commands

### 27.1 firmwareFileGet

Upload new F/W file to LTPS 4.50 / 5.00

### 27.2 firmwareFileGetI2004

Upload new F/W file to LTPS 4.50 / 5.00

### 27.3 firmwareFileGetI2002

Upload new F/W file to LTPS 4.50 / 5.00

### 27.4 umsPolicyShow

Display the current upgrade policy 4.50 / 5.00

### 27.5 umsUpgradeAll

Upgrades all registered sets according to policy and firmware file 4.50 / 5.00

### 27.6 umsUpgradeTimerShow

Show Upgrade Schedule 4.50 / 5.00

### 27.7 umsUpgradeTimerCancel

Cancel scheduled upgrade 4.50 / 5.00



## 27.8 UNISTIM Related Commands

`usiSetPhoneRudpRetries` 4.50 / 5.00  
Set RUDP Max Retries Count for IP sets

## 27.9 `usiGetPhoneRudpRetries`

Get RUDP Max Retries Count for IP sets 4.50 / 5.00

## 27.10 `usiSetPhoneRudpTimeout`

Set RUDP Timeout value (in msec) for IP sets 4.50 / 5.00

## 27.11 `usiGetPhoneRudpTimeout`

Get RUDP Timeout value (in msec) for IP sets 4.50 / 5.00



## 28. Vitrual Terminal Emulator Commands

### 28.1 unpackVTHelp

Unpack Virtual Terminal Emulator help files

4.50 / 5.00



## 29. Virtual Trunk Commands

### 29.1 vtrkShow

Show information about the virtual trunk channels

4.50 / 5.00

### 29.2 disVTRK

Causes the virtual trunks to gracefully switch the registered virtual trunks to another SS located in the same node

4.50 / 5.00

### 29.3 forcedisVTRK

Forces all registered virtual trunks to unregister from the local server

4.50 / 5.00

### 29.4 enIVTRK

Causes the virtual trunk application to be enabled and to accept virtual trunk registrations

4.50 / 5.00

### 29.5 vtrkNetMonShow

Show network monitor configuration and status of the monitored IP addresses

5.00

```

vtrkNetMonShow
oam> vtrkNetMonShow
VTRK IP Monitor Enabled: Yes

+-----+-----+
| IP           | Status           |
+-----+-----+
| 47.11.214.1 | Up               |
+-----+-----+
    
```



## 30. Reference Documentation:

The following table provides a list of additional Nortel and Microsoft Publications which may be referenced to for additional information:

Nortel Document Title	Location
Nortel Technical Publications	<a href="http://www.nortel.com/support">http://www.nortel.com/support</a>



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If you purchased a service contract for your Nortel product from a distributor or authorized reseller, contact the technical support staff for that distributor or reseller for assistance.

If you purchased a Nortel Networks service program, contact Nortel Technical Support. To obtain contact information online, go to [www.nortel.com/contactus](http://www.nortel.com/contactus).

From the Technical Support page, you can open a Customer Service Request online or find the telephone number for the nearest Technical Solutions Center. If you are not connected to the Internet, call 1-800-4NORTEL (1-800-466-7835) to learn the telephone number for the nearest Technical Solutions Center.

An Express Routing Code (ERC) is available for many Nortel products and services. When you use an ERC, your call is routed to a technical support person who specializes in supporting that product or service. To locate an ERC for your product or service, go to [www.nortel.com/erc](http://www.nortel.com/erc).