

FF240-IP / Mitel 3300 Interop Testing

April 18, 2012

Items tested:

- FF240-IP
 - Vs. 1.1.15
- Mitel 3300 vs. 5.0 Service Pack 1
 - T.38 license required
 - DSP II card must be installed
 - T.38 fax not supported/recommended in Mitel vs. 4.0 or lower.

Test Results:

- Successfully sent and received single page and three page faxes using T.38 protocol.

Mitel Setup:

The screenshot displays the Mitel Communications Director web interface in a Windows Internet Explorer browser window. The address bar shows the URL: https://192.168.168.9:8443/comm_dir/ParentSessionId=6. The page title is "Local - Mitel Communications Director - Windows Internet Explorer". The main header includes the Mitel logo, the text "Node 'Local' Alarm Status: No Alarm 2012-Apr-18 10:11:11", and navigation links for "Message Board", "About", "Help", and "Logout".

The left sidebar contains a tree view of the configuration hierarchy:

- Licenses
- LAN/WAN Configuration
- Voice Network
 - Network Elements (selected)
 - Cluster Elements
 - Admin Groups
 - Fax Service Profiles
 - Fax Advanced Settings
 - Network Zones
 - Network Zone Topology
 - Bandwidth Management
- System Properties
- Hardware
- Trunks
- Users and Devices
- Integrated Directory Services
- Voice Mail
- Call Routing
- Music On Hold
- Emergency Services Manager
- Property Management
- Maintenance and Diagnostics

The main content area is titled "Network Elements on Local". It includes a search bar "DN to search" and a "Show form on" dropdown set to "Not Accessible". Below this is a table of network elements:

Name	Type	PBX Number/Cluster Element ID	FQDN or IP Address	Data Sharing	Version	Zone
Local (Local)	3300 ICP	1	192.168.168.9	---	11.0.1.20	1
Multitech	Other	---	192.168.168.8	NO		2

Below the table, there is a detailed configuration form for the selected "Multitech" element. The form includes fields for:

- Name: Multitech
- Type: Other
- FQDN or IP Address: 192.168.168.8
- Data Sharing: NO
- Local: False
- Version: 2
- ARID: (empty)
- SIP Peer Specific
 - SIP Peer Transport: default
 - SIP Peer Port: 0
 - External SIP Proxy FQDN or IP Address: (empty)
 - External SIP Proxy Transport: default
 - External SIP Proxy Port: 0
 - SIP Registrar FQDN or IP Address: (empty)
 - SIP Registrar Transport: default
 - SIP Registrar Port: 0
 - SIP Peer Status: Auto-Detect/Normal

Local - Mitel Communications Director - Windows Internet Explorer

https://192.168.168.9/aww/Main.asp?LogoutParentSessionId=0

Mitel Node "Local" Alarm Status: ✔ No Alarm 2012-Apr-18 10:11:11

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Local

View by Category SDS

Network Elements on Local

DN to search

Show form on Not Accessible

Go

Add Change Delete Start Sharing Sync

Print Import Export Data Refresh

Local - Mitel Communications Director - Windows Internet Explorer

https://192.168.168.9/aww/Main.asp?LogoutParentSessionId=0

Mitel Node "Local" Alarm Status: ✔ No Alarm 2012-Apr-18 10:11:11

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View by Category SDS

SIP Peer Profile on Local

DN to search

Show form on Not Accessible

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Add Change Delete

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SIP Peer Profile

Network Element	SIP Peer Profile Label	Outbound Proxy Server	CPN Restriction	Trunk Service	Session Timer	Zone
Multitech	Multitech		No	42	9999	2

Basic Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event Outgoing DID Ranges Profile Information

SIP Peer Profile Label Multitech

Network Element Multitech

Local Account Information

Registration User Name

Address Type IP Address: 192.168.168.9

Administration Options

Interconnect Restriction 1

Maximum Simultaneous Calls 1

Outbound Proxy Server

SMDR Tag 9998

Trunk Service 42

Zone 2

Authentication Options

User Name

Password *****

Confirm Password *****

Authentication Option for Incoming Calls No Authentication

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SIP Peer Profile

Network Element	SIP Peer Profile Label	Outbound Proxy Server	CPN Restriction	Trunk Service	Session Timer	Zone
Multitech	Multitech		No	42	9999	2

Basic Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event Outgoing DID Ranges Profile Information

Alternate Destination Domain Enabled No

Alternate Destination Domain FQDN or IP Address

Enable Special Re-invite Collision Handling No

Only Allow Outgoing Calls No

Private SIP Trunk No

Reject Incoming Anonymous Calls No

Route Call Using To Header No

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https://192.168.168.9/wwjw_Main.asp?logonParentSessionId=0

MITEL Node 'Local' Alarm Status: ✔ No Alarm 2012-Apr-18 10:11:11

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View by Category sds

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https://192.168.168.9/wwjw_Main.asp?logonParentSessionId=0

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SIP Peer Profile on Local

SIP Peer Profile

Network Element	SIP Peer Profile Label	Outbound Proxy Server	CPN Restriction	Trunk Service	Session Timer	Zone
Multitech	Multitech		No	42	9999	2

Basic Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event Outgoing DID Ranges Profile Information

Allow Peer To Use Multiple Active M-Lines No

Allow Using UPDATE For Early Media Renegotiation No

Avoid Signaling Hold to the Peer No

Enable Mitel Proprietary SDP No

Force sending SDP in initial Invite message No

Force sending SDP in initial Invite - Early Answer No

Limit to one Offer/Answer per INVITE No

NAT Keepalive Yes

Prevent the Use of IP Address 0.0.0.0 in SDP Messages No

Renegotiate SDP To Enforce Symmetric Codec No

Repeat SDP Answer If Duplicate Offer is Received No

RTP Packetization Rate Override No

RTP Packetization Rate 20ms

Special handling of Offers in 2XX responses (INVITE) No

Suppress Use of SDP Inactive Media Streams No

Local - Mitel Communications Director - Windows Internet Explorer

https://192.168.168.9/luu/luu_Main.asp?logonParentSessionId=0

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https://192.168.168.9/luu/luu_Main.asp?logonParentSessionId=0

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View by Category SDS

SIP Peer Profile on Local

DN to search

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Add Change Delete

Print... Import... Export... Data Refresh

SIP Peer Profile

Network Element	SIP Peer Profile Label	Outbound Proxy Server	CPN Restriction	Trunk Service	Session Timer	Zone
Multitech	MultiTech		No	42	9999	2

Basic Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event Outgoing DID Ranges Profile Information

active

Keep-Alive (OPTIONS) Period 120

Registration Period 3600

Registration Period Refresh (%) 50

Registration Maximum Timeout 90

Session Timer 9999

Subscription Period 3600

Subscription Period Minimum 300

Subscription Period Refresh (%) 80

Invite Ringing Response Timer 0

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DN to search Show form on Not Accessible Go

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DN to search Show form on Not Accessible Go

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SIP Peer Profile

Network Element	SIP Peer Profile Label	Outbound Proxy Server	CPN Restriction	Trunk Service	Session Timer	Zone
Multitech	Multitech		No	42	9999	2

Basic Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event active Outgoing DID Ranges Profile Information

Allow Inc Subscriptions for Local Digit Monitoring No
Allow Out Subscriptions for Remote Digit Monitoring No
Force Out Subscriptions for Remote Digit Monitoring No
Request Outbound Proxy to Handle Out Subscriptions No
KPML Transport default
KPML Port 0

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SIP Peer Profile

Network Element	SIP Peer Profile Label	Outbound Proxy Server	CPN Restriction	Trunk Service	Session Timer	Zone
Multitech	Multitech		No	42	9999	2

Basic Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event Outgoing DID Ranges Profile Information

Index DID Range CPN Substitution

Add Member Delete Member

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https://192.168.168.9/awui_Main.asp?logoutParentSessionId=0

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Network Element	SIP Peer Profile Label	Outbound Proxy Server	CPN Restriction	Trunk Service	Session Timer	Zone
MultiTech	MultiTech		No	42	9999	2

Basic Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event Outgoing DID Ranges Profile Information

Creator
Date Created
Created on MCD Version
Service Provider
Vendor Notes

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View by Category SDS Share

SIP Peer Profile Assignment by Incoming DID on Local

DN to search

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Add Change Delete

Print Import Export Data Refresh

SIP Peer Profile Assignment by Incoming DID

Incoming DID Range	SIP Peer Profile Label	Comment
1100-1199	MultiTech	MultiTech

Incoming DID Range 1100-1199
SIP Peer Profile Label MultiTech
Comment MultiTech

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View by Category SDS Network Elements on Local DN to search Show form on Not Accessible Go

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View by Category SDS Share SIP Peer Profile Called Party Inward Dialing Modification on Local DN to search Show form on Not Accessible Go

Print... Export... Data Refresh

SIP Peer Profile Called Party Inward Dialing Modification

Network Element	SIP Peer Profile Label	Outbound Proxy Server	CPN Restriction	Trunk Service	Session Timer	Zone
MultiTech	MultiTech		No	42	9999	2

Page 0 of 0 Go to: value: Go

Add Member Delete Member

Called Party Inward Dialing Modification

Index	Digits to Match	Digit Length Operator	Digit Length	Number of Digits to Absorb	Digits to be Inserted
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View by Category SDS Share

Change Change Page Change All Clear

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Trunk Attributes

Trunk Service Number	Release Link Trunk	Call Recognition Service	Class of Service	Class of Restriction	Baud Rate	Intercept Number	Trunk Label
41	No	Off	1	1	300	1	
42	No	Off	42	64	9600	1	MultiTech
43	No	Off	1	1	300	1	
44	No	Off	1	1	300	1	

Trunk Service Number 42

Release Link Trunk No

Call Recognition Service Off

Class of Service 42

Class of Restriction 64

Baud Rate 9600

Intercept Number 1

Non-dial In Trunks Answer Point - Day

Non-dial In Trunks Answer Point - Night 1

Non-dial In Trunks Answer Point - Night 2

Dial In Trunks Incoming Digit Modification - Absorb 0

Dial In Trunks Incoming Digit Modification - Insert

Trunk Label MultiTech

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FF240-IP Setup:

- In SIP/T.38 Configuration, configure SIP Proxy/Gateway field with the IP address of the Mitel SIP server. Use default settings in other fields.