Mitel Revolution

Configuration Guide for MiVoice Business

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Introduction

The Mitel Revolution interface provides a way to centrally manage creating and sending notifications. This interface can be used to send emergency and non-emergency notifications such as Live or Stored Audio Notifications, Weather Alerts, AMBER Alerts, IPAWS Alerts, and Text Messages to supported devices.

Notifications can be sent to endpoints such as iOS and Android smartphones; Instant Messaging clients, SMS clients, and Mitel Revolution Desktop Notification Client; Paging Relay; Legacy Paging and Analog Systems; IP Speakers; Clocks; Message Boards; Social Media accounts; and more. Visit us on the web at <u>Mitel Revolution Web Help</u> to learn more about Mitel Revolution product.

Users can quickly send notifications and get real-time status on notifications and view scheduled notifications and a list of recently sent notifications from their dashboard. Users can also view sent notification details to see which endpoints received notifications. They can manage notifications from a single location, viewing all notifications, endpoints assigned, and the type of each notification.

Note: Mitel Revolution supports multicast paging for MiVoice Business with the Mitel 6900 series phones (MiNET mode) from MiVoice Business Release 9.1 and later. Multicasting is not supported through the MiVoice Border Gateway to teleworker configured sets.

About this Guide

This document describes the configuration of Mitel Revolution for the Mitel MiVoice Business platform.

Documentation

- Mitel Revolution Web Help: The Mitel Revolution Web Help contains information about installing Mitel Revolution, initial setup, feature configuration, maintenance and troubleshooting, end-user tasks, system monitoring, and upgrade related details. You can access the web help at <u>Mitel Revolution Web Help</u>.
- MiVoice Business System Administration Tool Help: The MiVoice Business System Administration Tool Help contains information about the forms in the MiVoice Business System Administration tool. It also, explains the features that can be programmed using the tool. You can access the Tool Help at <u>MiVoice Business Web Help</u>.

Mitel Revolution Overview

The Mitel Revolution interface provides a Dashboard for quick access to frequently used notifications, status of sent notifications, and scheduled notifications. The Dashboard can be configured for each user. Users having the required permissions can maintain their dashboard themselves. Access to configuring the Revolution modules is denied to all user roles except the administrator.

D	Mitel		Rev	olution	03:38:19 PM IST (2) E (2) powered by Sun-Apps Netherline, Unfert
G	Dashboard		3		0
Ŵ	Notifications	•	QUICK NOTIFICATIONS Send a quick one-off notification	LAST SENT NOTIFICATION Last sent notification details	
6	Scheduler	•	view all notifications	view all sent notifications	
÷	Configuration	۲	SCHEDULED NOTIFICATIONS	RECENTLY SENT NOTIFICATIONS	
6	System Status			Summary of recently sent notifications	
1	Users Contacts & Sites	•	view all events	Sent Date Name Sent To view all sent notifications	
≣	Logging				
0	Global Settings				
0	Help	•			
	Ģ				

Notification Overview

Creating notifications involve the following three main steps:

- Assigning the triggers for sending notifications (SIP Activator/SNMP).
- Creating the content (image, audio, or text) to be sent.
- Assigning the endpoints that receive the notifications.

For more information about creating notifications on the Mitel Revolution interface, see Creating Notifications.

Network Topology

The following diagram explains how the elements in the network are connected to the Mitel Revolution:



Software Dependencies and Compatibilities

For a list of supported MiVoice Business software versions compatible with Mitel Revolution, see <u>Mitel Compatibility Matrix</u>.

MiVoice Business Configuration

This section describes the steps to configure a Mitel MiVoice Business for Mitel Revolution.

The user must configure the general MiVoice Business settings. These configuration settings include the following:

 Creating a generic SIP extension on your MiVoice Business System Administration tool, see Creating SIP Users.

oreating on Osers.

- Configure an outgoing SIP trunk from the MiVoice Business System Administration tool to Mitel Revolution see Creating SIP Trunk.
- Creating a page group on your MiVoice Business System Administration tool and add members to the group see Configuring an Outgoing SIP Trunk.

Note: The MiVoice Business connection configured for the Mitel Revolution interface must not have a Secure RTP profile enabled.

Configuring SNMP Settings

If you are using the Mitel Emergency Services and want to trigger a notification on Mitel Revolution when an emergency number is dialed, the SNMP Trap messages for the SIP trunk must be configured in the MiVoice Business System Administration tool.

For Release 9.0 and later, perform the following steps to configure SNMP settings:

1. Log in to the MiVoice Business using the link in the following format:

MiVoice Business System Administration tool IP address/server-manager/

- 2. To enable the SNMP feature, select Enabled from the SNMP Service Status drop-down list.
- 3. Enter a "value" in the SNMPv2c community string for read-write access field.
- 4. From the SNMPv2c network access setting drop-down list, select "All configured trusted networks".
- 5. Click Save.

Configure SNMP support
SIMP, or Simple Network Management Protocol, provides a set of operations and a protocol to permit remote management and remote monitoring of a network device and/o traps.
To configure the SNMP service on this server, use the following fields, and click on the "Save" button at the bottom of the page. Note that this service is disabled by default.
Please specify whether you would like the service enabled or disabled.
SNMP service status Enabled V
Configure a community string that SNMPv2c clients will use to monitor this server via get requests and traps. If you do not wish to use the default value of "public", change the
SNMPv2c community string for read-only access MitelRO
Configure a community string that SNMPv2c clients will use for set requests (limited access as determined by applications).
SNMPv2c community string for read-write access MitelRW
Please select the range of networks that you would like to be able to access your SNMPv2c services.
SNMPv2c network access setting All configured trusted networks ~
SNMPv3 provides secure access to the server by a combination of authenticating and encrypting frames over the network. User-Based Security Model (USM) is used for cont

For GCP Release, perform the following steps to configure SNMP settings:

- 6. Login to GCP Solution Manager
- 7. Click SNMP Tab

↑ Home	Configure SNMP	
System Users		
• Time Zone	Status	Enable ~
AMC Sync Status		MitelBO
Backup	only access	Milleir (O
Restore	SNMPv2c community string for read-	MitelRW
SNMP	write access	
 Mitel Business 	SNMPv3 Settings	Configure SNMPv3 Users
Analytics		
MPA Probe	System contact address	admin@mitel.com
Solution Info	System location	cloud
Log Files	Trap host or address	mpa-probe
	SNMPv2c Trap community string	public
	SNMPv3 Trap username	×
	Арр	ly

- 8. You may perform the following steps to configure the shared system option in MIVB:
 - a. Go to the Shared System Options form.
 - b. Click Change.
 - c. In the **Trap host or address for ER Notification** field, enter the Mitel Revolution IP address.
 - d. In the **Trap Community String** field, enter the same value as entered in the **SNMPv2c community string read-write** field in the MSL/GCP SNMP.
 - e. Click Save.

OPNSS/QSIG Div	ersion Enabled	Yes
Enable CTI Appli	cation Authentication	No
mergency Res	ponse	
	Enable ER TRAPS	Yes
	Trap host or address for ER Notification	192.168.1.1
	TRAP Community String	MitelRW
Enable access t	o Server Manager	No
Aaintain Origina	Forward or Reroute Reason	Yes

For Releases 8.0 and 7.2 SP1 PR2, perform the following steps to configure the SNMP settings:

- 1. Go to the SNMP Configuration form.
- 2. In the Enable SNMP Agent, select the Yes check box to enable the SNMP feature.
- 3. Enter a value in the Read Write Community field.
- 4. Enter the Mitel Revolution IP address in the IP Address field.
- 5. Enter **Comments** to identify that the IP address corresponds to the Mitel Revolution.
- 6. Click Save.

SNMP Configuration or	Local_87			DN to searc	sh v		Show fo	orm on	Not Accessit	ole v Go
Change Clear						Print	Imp	ort	Export	Data Refresh
SNMP Configurati	on									
Enable SNMP Agent	System Name	Contact	Location	Read Only Cor	nmunity	Read/Write Comr	nunity	Accep	t Requests F	rom All Managers
Yes	Local_87			public		MitelRW		Yes		
Page 1 of 3	>					Go to	~	Value		Go
< Page 1 of 3	>		Cha	ange Member	Chang	Go to ge Page Members	Cha	Value	Members	Go Clear Member
< Page 1 of 3	> uests from the	e followin	Cha ng Manag	ange Member ers	Chang	Go to ge Page Members	Cha	· Value	Members	Go Clear Member
< Page 1 of 3 <p>Accept Req Entry #</p>	> uests from the	e followin	Cha ng Manag s	ange Member ers	Chang	Go to ge Page Members Comm	Cha	Value	Members	Go Clear Member
< Page 1 of 3 <p>Accept Req Entry #</p>	> uests from the	e followin IP Address 192.168.1.	Cha ng Manag s .10	ange Member ers	Chang	Go to ge Page Members Comm Revolu	Cha lents	Value	Members	Go Clear Member

- 7. Go to the SNMP Trap Forwarding form.
- 8. Set Enable MITEL Traps to Yes.
- 9. Click Save.
- 10. Enter the IP Address of Mitel Revolution.
- **11.** In the **Trap Community** field, enter the same value as entered in the **Read/Write Community** field.
- 12. Enable the ER Notification.
- 13. Enter Revolution in the Comments field.
- 14. Click Save.

🖨 SNMP TI	rap Forwarding			
Enable MI Yes	TEL Traps			
				Change Member Clear Member
🧳 🛛 Trap F	orwarding Attributes			
Entry #	IP Address	Trap Community	ER Notification	Comments
1	192.168.1.10	MiteIRW	Yes	Revolution
2			No	
2			No	

Note:

- You can use a custom community string of your choice. Mitel recommends that you
 follow industry best practices including avoidance of default/public strings. For our
 testing, we have used "MitelRW".
- We recommend that networking protections (ACL/firewalls) be used to restrict access to unauthorized SNMP connections other than between the MiVB and Revolution.

Understanding how audio is handled between Revolution and MiVoice Business

When integrated with MiVoice Business (MiVB), Revolution may require both SIP trunks and generic SIP extensions that is SIP registrations on Revolution for audio to pass between the two platforms.

For MiVB

Revolution communications such as dialing a specific SIP line number to trigger a Notification, **SIP trunks** are used and must be licensed/configured as such on the MiVB.

For Revolution

MiVB communications such as playing an audio page via the MiVB **Group Page** feature, **Generic SIP extensions** that is SIP Registrations on Revolution are used and must be licensed on the MiVB via

either Enterprise User or Single Line Licenses. This is required because the MiVB **Group Page** feature requires that **a Feature Access Code** (FAC) be dialed prior to the **Page Group** number, and FAC's can only be dialed by an extension. The MiVB does not allow FAC's on SIP trunks.

- If all audio pages to IP Phones are being done via multicast (and not the MiVB **Group Page** feature), SIP extensions may not be required.
- If both SIP trunks and SIP extensions/registrations are provisioned and your Notification includes a MiVB Page Group configured as an Endpoint with the Group Page FAC, by default the Revolution will use an available SIP extension/registration to deliver the page.
- If only SIP trunks are provisioned and your Notification includes a MiVB Page Group configured as an Endpoint with the Group Page FAC, Revolution will attempt to use an available SIP trunk, which will fail.

Understanding Revolution Paging Methodologies with MiVoice Business

A Mitel IP phone can receive an audio page via several mechanisms:

- Multicast In this scenario, both the Revolution server and the Mitel Paging Relays can deliver multicast audio broadcasts to their local subnets. The IP Phones receive the audio of the page via their configured multicast address. The MiVB is not directly involved in the audio delivery, and neither SIP trunks nor SIP extensions are used.
- 2. Revolution Endpoint In this scenario, each Mitel IP phone extension number is configured in Revolution as an Endpoint. If this Endpoint is included in a notification that contains audio, Revolution will attempt to dial it directly using either a SIP extension if available, or a SIP trunk if a SIP extension is not available. It requires a 1:1 ratio between the number of SIP trunks and the number of extensions to Endpoints. If there are 10 IP Phone Endpoints configured to receive an audio Notification, then 10 SIP Extensions or trunks need to be available, and all recipients' phones will ring. Each recipient will have to answer and wait until the configured endpoints have answered before the audio will be played.
- 3. MiVB Group Page In this scenario, only the MiVB Page Group number is configured as an Endpoint in Revolution and includes the Group Page Feature Access Code as part of the dial string. Any number of IP phones can be made a member of that Page Group within MiVB (up to the limits placed by for the controller type). Revolution is not specifically aware of which IP Phones are part of which Page Group. When using Group Page, Revolution must use an available SIP extension to dial the Page Group number so that the Feature Access Code can be included.

Creating SIP Users

Perform the following steps to create a new user on the MiVoice Business System Administration tool:

- 1. Go to the Users and Services Configuration form.
- 2. Click Add.
- 3. Select by Role > Basic User.
- 4. In the User Profile tab, enter values for the following fields:

Field	Value
Last Name	Enter the last name of the Mitel revolution interface.
First Name	Enter the first name of the Mitel revolution interface.

5. In the Service Profile tab, enter values for the following fields:

Field	Value
Number	Enter an extension number for the user. For example, 1001.
Device Type	Select Generic SIP Phone from the drop-down list.
Secondary Element	Select a secondary element from the drop-down list.

6. Click Save Changes.

Note: Use the default values for the other fields in the form.

Mitel MiVoice Bu	siness	Admir	n Group Alarm Status: <mark>Critical</mark>	□ ?
MN155 📑	User and Services Configuration on MN155	Search DN T		Show form on M
System Speed Calls 🍻 Telephone Directory ở	User and Services Configuration Search By Last Name v			
Tenants Traffic Report Options 🎺	(All Users) + C Search Results (23 matches)	User Profile Service Profile De	vice Details Service Details	Access and Authentication
Trunk Attributes 🎺 URI/Number Translation	 ▶ ▲ HDA2 ▶ ▲ HDA ▶ ▲ HDA 	Number Service Label	1001 Phone Service	
User and Device Attributes 🖨	 ▶ ▲ IP6940 ▶ ▲ MDU, Test 	Directory Name Prime Name	MR,Revolution	
User Authorization Profiles 🌮	MR, Revolution MI Internation MI Internation MI Internation	Privacy Hot Desking User	No Yes No Yes	
VM Business Hours Settings	Voicemail	Device Type	Generic SIP Phone	e v

Creating SIP Trunk

This section describes how to create a new network element and configure an outgoing SIP trunk. Creating a SIP trunk involves the following steps:

- Add a network element to MiVoice Business.
- Creating a SIP peer profile for the new network element.
- Identifying a class of service to the SIP line.
- Configuring an Outgoing route to the SIP trunk.
- Configuring SNMP setting for emergency notifications.

Adding a New Network Element

Perform the following steps to add a new network element to the MiVoice Business System Administration tool:

- 1. Go to the Network Elements form.
- 2. Click Add to create a new network element.
- 3. Enter values for the following fields:

Field	Value
Name	Enter an alphanumeric name of up to nine characters for the Mitel Revolution interface. For example, MitelRev.
Туре	Select Other from the drop-down list.
FDQN or IP Address	Enter the IP address or FQDN of the Mitel Revolution interface.

- 4. Select the SIP Peer check box.
- 5. In the SIP Peer Port field, enter the SIP port if you will not use the default port value.

Note: By default, the SIP Peer Port value is set as 5060.

6. Click Save.

Note: Use the default values for the other fields in the form.

Similarly, create a new Network Element for the secondary Revolution server.

🧳 Network Elements	
Name	MitelRev
Туре	Other •
FQDN or IP Address	XXXXXXXXXX
Local	False
Version	
Zone	1
ARID	
SIP Peer	✓
SIP Peer Specific	
SIP Peer Transport	default 🔻
	Save Cancel

Creating a SIP Peer Profile

Perform the following steps to create a new SIP peer profile:

Note: The ARS Route List approach is used to route the calls through an alternate route that points to the secondary Revolution server if the primary server is not accessible. It requires a new Network element, SIP profile, and a Route pointing to the secondary Revolution platform. Both the routes are added under ARS Route List with primary as the first choice and secondary being the alternative.

- 1. Go to the SIP Peer Profile form.
- 2. In the **Basic** tab, enter values for the following fields:

Field	Value
SIP Peer Profile Label	Enter an alphanumeric name of up to nine character for Mitel Revolution interface. For example, Rev.
Network Element	Select the Mitel Revolution interface name that you created in the Network Element form. For example, MitelRev.
Address Type	Select the IP of the MiVoice Business System Administration tool.
Trunk Service	Enter the available Trunk Service number from the Trunk Attributes form. For example, 2.
Authentication Options > User Name	Enter the username from the Inbound Username field of the Mitel Revolution interface.
Authentication Options > Password	Enter the password from the Inbound Password field of the Mitel Revolution interface.

Peer Profile							
vork Element	SIP Peer I	Profile Label	Outbound Proxy Server	С	PN Restriction	Trunk Service	Session Timer
IRev	Rev			N)	5	90
							Save
Call Routing	Calling Line ID	SDP Options	Signaling and Header Manipulation	Timers	Key Press Event	Profile Information	
Peer Profile La	abel				Rev		
work Element					MitelRev •		
al Account Inf	ormation						
Registration	User Name						
Address Type				 FQDN: mivb.mite IP Address: 10.21 	l.com 11.60.155		
	Peer Profile work Element Rev Call Routing Peer Profile La work Element al Account Info Registration	Peer Profile SIP Peer work Element SIP Peer Rev Rev Call Routing Calling Line ID Peer Profile Label work Element al Account Information Registration User Name Address Type Address Type	Peer Profile SIP Peer Profile Label Rev Rev Call Routing Calling Line ID SDP Options Peer Profile Label soper Support soper Support work Element al Account Information soper Support Registration User Name Address Type soper Support	Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Peer Profile Label work Element al Account Information Registration User Name Address Type	Peer Profile work Element SIP Peer Profile Label Outbound Proxy Server CI Rev Rev No Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Peer Profile Label [work Element [[al Account Information Registration User Name [[Address Type [[[Peer Profile SIP Peer Profile Label Outbound Proxy Server CPN Restriction Rev Rev No No Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event Peer Profile Label Rev MitelRev ▼ MitelRev ▼ al Account Information Registration User Name Address Type FQDN: mivb.mite FQDN: mivb.mite	Peer Profile SIP Peer Profile Label Outbound Proxy Server CPN Restriction Trunk Service Rev Rev No 5 Call Routing Calling Line ID SDP Options Signaling and Header Manipulation Timers Key Press Event Profile Information Peer Profile Label Rev MittelRev ▼ MittelRev ▼ MittelRev ▼ al Account Information Registration User Name FQDN: mivb.mitel.com FQDN: mivb.mitel.com

Note: If you want to authenticate the configuration of the SIP trunk, enter the **Username** and **Password** field values in the **Inbound Username** and **Inbound Password** fields in the **Authenticating the SIP Lines** section of Mitel Revolution.

3. In the SDP Options tab, enter values for the following fields:

Field	Value
Allow Using UPDATE for Early Media Renegotiation	Yes
Force sending SDP in initial invite message	Yes
Force sending SDP in initial invite - Early Answer	Yes

SIP	Peer Profile							
Netv	work Element	SIP Peer	Profile Label	Outbound Proxy Server	CF	N Restriction	Trunk Service	Session Timer
Mit	MitelRev Rev				No		5	90
								Save
Basic	Call Routing	Calling Line ID	SDP Options	Signaling and Header Manipulation	Timers	Key Press Event	Profile Information	
Allo	ow Peer To Use	Multiple Active	M-Lines				No Yes	
Allo	ow Using UPD/	ATE For Early Me	dia Renegotiati	on			No Ves	
Avo	oid Signaling H	old to the Peer					No Yes	
AVI	AVP Only Peer						No Yes	
Ena	Enable Mitel Proprietary SDP						No Yes	
For	Force sending SDP in initial Invite message						No Yes	
For	Force sending SDP in initial Invite - Early Answer						No Yes	

- 4. In the **Signaling and Header Manipulation** tab, enter the **Trunk Group Display** field to identify that this trunk group is for Mitel Revolution.
- 5. Click Save.
- 6. Go to the Trunk Attributes form.
- 7. Select the available Trunk Service Number. For example, 2.
- 8. Click Change.

9. Enter specific values in the following fields:

Field Value	
Class of Service	Enter a class of service available in the Class of Service Options form.
Trunk Label	Enter a name for the Mitel Revolution trunk.

Change		
Class of Service	1	*
Class of Restriction	1	
Baud Rate	300 🔻	
Intercept Number	1	
Non-dial In Trunks Answer Point - Day		
Non-dial In Trunks Answer Point - Night 1		- 1
Non-dial In Trunks Answer Point - Night 2		
Dial In Trunks Incoming Digit Modification - Absorb		- 1
Dial In Trunks Incoming Digit Modification - Insert		- 1
Dial In Trunks Answer Point		
Dial In Trunks Insert Forwarding Information	No Yes	
Trunk Label	Revolution]
	Save	Cancel

10. Click Save.

Note: Use the default values for the other fields in the form.

Similarly, create another SIP Peer Profile for the secondary Revolution server.

Identifying the Class of Service

Perform the following steps to identify the class of service used for Mitel Revolution:

- 1. Go to the Class of Service Options form.
- 2. Select the Class of service you have used in the Trunk Attributes form for the Trunk Service Number assigned to Mitel Revolution.
- 3. Click Change.
- 4. Add **Comments** to identify that this class of service is used for Mitel Revolution.
- 5. Click Save.

Note: Use the default values for the other fields in the form.

Configuring an Outgoing SIP Trunk

Perform the following steps to route the SIP trunk group to Mitel Revolution:

- 1. To set the routing medium for the SIP peer profile:
 - a. Go to the ARS Routes form.
 - b. Select the available Route Number.

- c. Click Change.
- d. Enter values for the following fields:

Field		Value
Routing Medium		Select SIP Trunk from the drop-down list.
SIP Peer Profile		Select the SIP peer profile name that you have created for Mitel Revolution.
Route Type		Select the routing type from the drop-down list. By default, select PSTN Access Via DPNSS for SIP Trunk.
Change ARS Routes		
Route Number	3	
Routing Medium	SIP Trunk	¥
Trunk Group Number		
SIP Peer Profile	•	
PBX Number / Cluster Element ID	T	
COR Group Number	1	
Digit Modification Number	1	
Digits Before Outpulsing	•	
Route Type		Ŧ
Compression	Off v	
		Save Cancel

e. Click Save.

Similarly, create an ARS route for the secondary Revolution server.

Change	
ARS Routes	
Route Number	4
Routing Medium	SIP Trunk 🗸
Trunk Group Number	
SIP Peer Profile	
PBX Number / Cluster Element ID	~
COR Group Number	1
Digit Modification Number	1
Digits Before Outpulsing	
Route Type	
Compression	Off Y
	Save Cancel

1. To set the route list:

- f. Go to the **ARS Route List** form.
- g. Select any list, for example, select list 1.
- h. Enter **1st Choice route** as 3 (primary Server) and **2nd Choice route** as 4 (secondary server).
- i. Click Save.

	Change								
	List Number	1st Choice route	e 2nd Choice	route	2nd Choice Warning Tone		3rd Choice route	31	
	1				No			N	
1. Enter the number of record 2. Define the Change Range		umber of records Change Range P	to change: 1	tern:					
Field Name			Change action	Valu	e to change	In	crement by		
	List Number		-	1			-		
	1st Choice ro	oute	Change to $ \smallsetminus $	3					
	2nd Choice r	oute	Change to $ \smallsetminus $	4					
	2nd Choice V	Varning Tone	Change to $ \smallsetminus $		NoOYes		-		
	3rd Choice ro	oute	Change to $ \smallsetminus $						
	3rd Choice W	/arning Tone	Change to \checkmark		NoOYes		-	-	
•								•	
					Preview	Sa	ave Cancel		

- 2. To set the dial number to monitor the outgoing SIP trunk:
 - a. Go to the **ARS Digits Dialed** form.
 - a. Enter specific values in the following fields:

Field	Value
Digits Dialed	Enter the partial or complete external numbers dialed to access subsequent routing information. For example, 1234.
Number of Digits to Follow	Select the number of digits expected to follow the partial number specified under Digits Dialed. For example, 2.
Termination Type	Select Route from the drop-down list if the calls to the specified digits are to go directly to a route.
Termination Number	Enter the Route Number you have selected in the ARS Routes form. For example, 3.

Add							
Add Range Programming - ARS Digits Dialed Help							
This form allows you to add one or more records.							
1. Enter the number of records	s to add: 1						
2. Define the Add Range Prog	ramming Pattern:						
Field Name	Value to Add	Increment by					
Digits Dialed	1234						
Number of Digits to Follow	2 •	-					
Termination Type	Route T	-					
Termination Number	3						
1							
		Preview Sav	e Cancel				

b. Click Save.

Note: Use the default values for the other fields in the form.

- 3. To set the dial number to monitor the outgoing SIP trunk with Route list:
 - a. Go to the ARS Digits Dialed form.
 - b. Enter specific values in the following fields:

Field	Value
Digits Dialed	Enter the partial or complete external number dialed to access subsequent routing information, for example, 1234.
Number of Digits to Follow	Select the number of digits expected to follow the partial number specified under Digits Dialed, for example, 2.
Termination Type	Select List from the drop-down menu if calls to the specified digits go directly to a route.
Termination Number	Enter the Route List you have selected in the ARS Routes List form, for example, 1.

	Change								
	This form allows you to change one or more records, starting at the following record:							•	
	Digits Dialed	Number of Dig	its to Follow	Ter	rmination Type	Terminat	ion Number		
	12	Unknown		Ro	ute	44			
	 Enter the nu Define the 0 	umber of records	s to change: Programming I	1 Patte	ern:				
	Field Name		Change action		Value to char	nge	Increm	nent by	
	Digits Dialed		Change to	\sim	1234				
	Number of Di	gits to Follow	Change to	\sim	2 ~	·	-		
	Termination	Гуре	Change to	\sim	List 🗸		-		
	Termination N	Number	Change to	\sim	1				T
•									۱.
					P	review	Save	Cancel	

c. Click Save.

Note: Use default values for other fields in the form.

Configuring Mass Audio Notification

As of MiVoice Business Release 9.1, it is possible to set Multicast Address for Notifications to Mitel IP Phones.

Perform the following steps to set Multicast Address for Notifications on the MiVoice Business System Administration tool:

- 1. Go to Voice Network > Mass Audio Notification.
- 2. Enter the Multicast Address and Multicast Port number.

Add				
Add Range Pro	ogramming - Mass Aud	lio Notification	Help	
This form allow	rs you to add one or m	ore records.		
1. Enter the number	of records to add: 1			
2. Define the Add Ra	ange Programming Pattern:			
Field Name	Value to Add	Increment by		
Zone ID	1			
Multicast Address	234.0.0.1			
Multicast Port	232			
Comment				
•				J
		Previe	w Sav	e Cancel

3. Click Save.

Note: Multicast is not supported via MBG for teleworkers.

MiNET XML Configuration

Perform the following steps on the MiVoice Business System Administration tool for XML configuration:

- Create the 69xx.cfg files using a text editor (for example Notepad, Notepad++), for each model you must create one .cfg file and file name must be AppInfo-<phonemodel>.cfg Ex: AppInfo-6920.cfg , AppInfo-6930.cfg , AppInfo-6940.cfg.
- 2. Use the following XML configuration parameters to create the file:

```
xml application post list: <revolution server IP>
action uri startup:
http://revolution server IP/MitelRegistrar/?dn=$$SIPUSERNAME$$&ip=$$LOCALIP$$
action uri registered:
http://revolution server IP/MitelRegistrar/?dn=$$SIPUSERNAME$$&ip=$$LOCALIP$$
action uri poll:
```

3. Once we have the files created, go to Phone Applications Update and upload the 69xx .cfg file.

		Upload App
Filename	Size	
AppInfo-6920.cfg	348 Bytes	
AppInfo-6930.cfg	348 Bytes	
AppInfo-6940.cfg	362 Bytes	

After successful configuration, the 6800/ 6900 SIP phones are listed under the Endpoints section on Mitel Revolution.

Note: XML Notifications are not supported on 68xx and 69xx sets that are configured as Teleworker phones.

4. Go to Mitel Revolution > Configuration > Endpoints.

Mitel	Active	Mitel6940 - 1000	@Mitel:08000FBBBC02	All	192.168.10.7	0	٥
-------	--------	------------------	---------------------	-----	--------------	---	---

The listed endpoint can be selected for notification.

Creating a Page Group

Perform the following steps to create a page group and add members to the group:

- 1. Ensure that Class of Service and interconnect restrictions allow the paging and paged parties to connect.
- 2. Go to the Page Groups form.
- **3.** Enter values for the following fields:

Field	Value
Page Group	Enter the number of the Page Group. For example, 1002.
Local-only DN	By default, this field is disabled. Do not change the selection.
Page Group Name	System-generated, protected field. Contains the name associated with the page group directory number in the Telephone Directory form.

Add	
Add Range Programming - Page Group	os Help
This form allows you to add one or mor	e records.
1. Enter the number of records to add: 1	
2. Define the Add Range Programming Pattern:	
Field Name Value to Add	Increment by
Page Group 1002	
Local-only DN	-
Page Group Name	-
4	
	Preview Save Cancel

- 4. Click Save.
- 5. Select the page group you created and click Add Member.
- 6. Enter values for the following fields:

Field	Value
Number	Enter the local directory numbers that are members of the page group. A directory number can be a member of more than one-page group, and the directory number can be placed in a page group even if the COS options for Group Page - Allow and Group Page - Accept are disabled.
	For example, add extensions of 53xx 0r 69xx phones.
Default	Select Yes to Indicate this page group is the directory number's default or prime page group.

Name	System-generated, protected field. Contains the name associated with the member directory number in the
	Telephone Directory form.

Add				
Add Range	e Programming - <i>Page</i>	Group Members	Help	
This form a	allows you to add one	or more records.		
1. Enter the nu	mber of records to add: 1			
2. Define the A	dd Range Programming Patt	ern:		
Field Name	Value to Add	Increment by		
Number	850			
Default	No Yes	-		
Name		-		
•				
		Prev	view Sa	ve Cancel

- 7. In the Class of Service Options form, configure the following:
 - To allow a user to initiate a Group Page, select **Group Page Allow**. A user does not need to be a member of a Page Group to initiate a Group Page.
 - To allow a user to receive Group Pages, select Group Page Accept.
- 8. Assign a Direct Page code in the **Feature Access Codes** form for the new page group created.

Adding Feature Access Code

Perform the following steps to add access codes to the **Direct Page** feature to page another telephone over its built-in speaker:

- 1. Go to the Feature Access Code form.
- 2. Select the Direct Page feature.
- 3. Click Change.
- 4. Add a Primary Code number.

Note: Do not enter codes that contain a pound key (#).

Change			
🧳 🛛 Feature Access Codes			
Feature Name	Direct Page		
Primary Code	#7		
Alternate Code			
		Save	Cancel

5. Click Save.

Note: Use the default values for the other fields in the form.

Configure Mitel 53xx Devices to Work with Revolution

For configuring Mitel 53xx devices to work with Revolution, you must install Revolution on the devices, activate the licenses, and then use MiVoice Business System Administration Tool to enable the device to poll the Revolution server for receiving notifications

Installing Revolution and Activating Licenses on the Device

Follow this procedure to set up your Mitel 53xx devices to work with Revolution 5320(e), 5330(e), 5340(e), 5360.

- 1. Download the application source files from the server where Revolution is installed which is at C:\Program Files(x86)\Syn-Apps\ShoreTelNotifier\Mitel53xx\PhoneApps.zip
 - 1. Unzip the archive file.
 - 2. Run the PowerShell script update_app_host.
 - 3. At the prompt, enter the IP address of your Revolution server.

This script updates the various files to include your IP address in preparation for the next steps.

This procedure uses the HTML App Packager, which is part of the Mitel HTML Toolkit.

- Install the HTML Tool Kit. During installation, the installer will prompt for an installation directory; it is recommended that you use the suggested directory.
 Once HTML Tool Kit is installed, under the start menu, in the Mitel entry (unless the location was changed) a new entry HTML Toolkit containing HTML App Packager is displayed.
- 3. Launch the **HTML App Packager**.

To package the applications using a Licensed key, and to launch the HTML App Packager, navigate to **Start > All Programs > Mitel > Html Toolkit > HTML App Packager**.

🕌 HTML Toolkit Packager	
File Help	
Package Directory	Application Name
Package Filename Browse for directory Vendor String Version License Type	Refresh the directory
Licensed Application	Generate
Files to be Encrypted and Compressed:	
Files to be Stored Directly in the Package (neither Encrypted nor Compressed):	
Files to be Ignored (Not Stored in the Package):	
Messages:	
	 ×

4. Click **Choose a file or directory** and select the path based on the phone model (C:\Program Files (x86)\Syn-Apps\ShoreTelNotifier\Mitel53xx\PhoneApps/5320-5330-5340). Select **Generate** to produce an SPX file in the same directory.

MiVoice Business Configuration

ile Help				<u> </u>		×
Package Directory				Application Nam	e	
C:\Program Files (x86)\Syn-Apps\Shr	oreTelNotifier\Mitel53xx\P	honeApps\5320-5330-5340	~	Rev_5320-30-4	40	~
Package Filename		Browse for	directory	Refresh th	e director	v
Rev_5320-30-40.spx		cronac for	di cettor y		e un cetor	,
Vendor String	Version	License Type		Com	wata	
		Licensed Application	~	Gene	er alle	
Files to be Encrypted and Compresse	d:					
revolution.js revolution_high.htm revolution_low.htm style.css						
Files to be Stored Directly in the Pack	age (neither Encrypted n	or Compressed):				
Files to be Stored Directly in the Pack	age (neither Encrypted n	or Compressed):				
Files to be Stored Directly in the Pack	age (neither Encrypted no Padkage):	or Compressed):				
Files to be Stored Directly in the Pack	age (neither Encrypted n Package):	or Compressed):				
Files to be Stored Directly in the Pack Files to be Ignored (Not Stored in the Messages: 2021-09-15 15:56:09 Ge	age (neither Encrypted no Package): nerating the pa	or Compressed):				
Files to be Stored Directly in the Pack Files to be Ignored (Not Stored in the Messages: 2021-09-15 15:56:09 Ge 2021-09-15 15:56:09 Sa	age (neither Encrypted no Package): nerating the pa ving package in	or Compressed): ckage file. fo file C:/Program Fil	les (x86))/Syn-Apps	/Shore	

Note: If you are running the application for the first time, you will be prompted for a password. Enter the text Mitel Licensed Applications in the password field and click **OK** to activate the license.

🕌 Enter the password for Licensed 🔀
OK Cancel

Configuration From MiVoice Business System Administration Tool:

- 1. Go to User and Devices > Advanced Configuration > Phone Applications Update.
 - 1. Select Upload App.
 - 2. Select **Choose File** and navigate to the SPX file (for example, Rev-5320-30-40.spx) that you generated.
 - 3. Repeat for each model group.

DI Mitel MiVoice Busi	ness			SDS Distribution Error Status:		?		٩
MN69 Ring Groups 🎺	\$ 11	Phone Applications Update on MN69	Search DN V		Show form	Uploa	ieded Max	Nodes Y
Pickup Groups Page Groups Remote Busy Lamps Telephone Directory Management		Filename Appinto-6920.ctg Appinto-6930.ctg		Size 54 Bytes 54 Bytes				
Advanced Configuration Multiline Set Keys & Multiline Appearance Groups		Appinto-6940.ctg Appinto-6970.ctg Rev_5320-30-40.spx		54 Dytes 54 Dytes 2.55 KB				
User and Device Attributes 🎺 Station Attributes 🛷								
Phone Applications Update IP Telephones								
Personal Speed Calls								

- 2. Go to User and Devices > User and Services Configuration.
 - 1. Locate and select the device you want to update.
 - 2. Select the Phone Applications tab.
 - 3. For HTML Infrastructure Enabled, select Yes.
 - 4. For Notification Application1, select your package
 - 5. Select **Save Changes**. Your device will now be able to poll the Revolution server to receive notifications.
 - 6. Repeat for any other devices.

User and Services Configuration		
Search By Number	~	
1501 7	7 Q	User Profile Service Profile Device Details Service Details Access and Authentication Phone Applications Keys
Search Results (1 match)		
4 🛄 1501		Branding Application
5330e IP Full Service		Screen Saver Application
🚨 53xx	◄	
o Voicemail		HTML Infrastructure Enabled ONc Yes
		HTML GUI Application
		New Page Application1
		New Page Application2
		New Page Application3
		Notification Application 1 Rev_5320-30-40 (2.5 K)
		Notification Application2
		Notification Application3

Limitations

Clear notification feature does not work with the notification type text and images in 53xx phones.

Mitel Revolution Configuration

This section describes how to configure Mitel Revolution with the MiVoice Business System Administration tool.

Installation and Configuration

Refer to the following topics in the Mitel Revolution Web Help to install Mitel Revolution on Windows Server 2008, 2012/2012r2, 2016 or 2019 and configure it with your Mitel system.

- System Requirements
- Installation
- <u>Configure Your Mitel Phone System</u>
- <u>Mitel SIP Trunk</u>

SIP Activator Configuration

This section describes the Mitel Revolution configurations for MiVoice Business.

Note: When setting up with GCP Flex, MiVoice Business FQDN must be used in place of IP address.

Configuring SIP Registration

Perform the following steps to configure the SIP registration:

- 1. Go to Configuration > Activators or Notifiers > SIP.
- 2. Click NEW and select NEW SIP REGISTRATION.

The SIP REGISTRATION GENERAL SETTINGS form opens.

- 3. Enter a descriptive Name that identifies this SIP line registration.
- 4. In the Registrar URI field, enter the registrar server URI in the format sip:domain.com.

For example: sip:XX.XX.XX.XX;transport=TCP

↓ ·	Ļ
IP address of MiVoice Business	Transport type is TCP

 In the Address of Record field, enter the registration address of record in the format user@domain.com, where user is the SIP extension number defined in the Users and Services Configuration form of the MiVoice Business System Administration tool.



- 6. Enter the **Registration Interval** according to the guidelines defined in MiVoice Business System Administration tool.
- 7. Enter the Username and Password from MiVoice Business System Administration tool.
- 8. Click Save.
- 9. Click Settings and select the Disable Reinvites check box.
- 10. Click Save.

🕅 Mitel		Revolution
Dashboard	SIP REGISTRATION GENERAL SETTINGS	
Notifications	Name * 1001	
Scheduler	Registrar URI * sip:10.37.65.90;transport=TCP	
E Configuration	Registrar server URI. For example: sip:domain.com Address Of Record *	
🐻 System Status	1001@10.37.65.90 Registration address of record. For example: user@domain.com	
Users Contacts > & Sites	Register Interval * 300	
E Logging	in seconds	
Global Settings	Username	
Profile	Password (
🕞 Logout	Realm Separate multiple realms with a comma ONLY!	
	CANCEL SAVE	

For more details about SIP registration, see **Generic SIP registration** section in the <u>Mitel</u> <u>Revolution web help</u>.

Authenticating the SIP Lines

Perform the following steps to authenticate the SIP lines:

- 1. Go to **Configuration > Activators** or **Notifiers > SIP**.
- 2. Click Settings.
- 3. Leave the Inbound Digest Realm field blank.
- 4. In the **Inbound Username** field, enter the Mitel Business System Administration tool username.
- 5. In the **Inbound Password** field, enter the Mitel Business System Administration tool password.
- 6. In the Settings page, enter values for the following fields:

Field	Value
Pin Timeout Seconds	This is the length of time you want to allow a user to enter a security code before the system times out and ends the call. When the time limit is met, an audio message is played letting the user know that the system has timed out and the call will end.
STUN Server and Outbound Proxy Servers	Leave these fields blank. They do not apply to Mitel system setup.
SIP Port	You need to update this field only if your Mitel server is not using the default port.
Trusted Servers	Leave this field blank to accept connections from any IP. Your company security policies dictate whether you need to list specific servers.
Transport Layer Security	Your company security policies dictate whether you need to enable TLS for transferring data over your network. (TLS is the successor to SSL.)
	When Enable TLS is selected, Mitel Revolution checks the servers, certificate store for a certificate with the friendly name of SIPACTIVATOR. This can be a CA-signed certificate that your company has created and installed. If the friendly name is SIPACTIVATOR, it will be used. If Mitel Revolution cannot find a certification with the friendly name of SIPACTIVATOR, a self-signed certificate is created. You can replace this certificate, if necessary. Just make sure its friendly name is SIPACTIVATOR. The certificate is used to encrypt data from Mitel Revolution going across your network.
Disable Reinvites	Select the check box to enable this option.
	By default, this field is disabled. If you are using a Cloud PBX system (for example, BroadSoft), you must perform the following SIP configuration:
	• STUN Server - The STUN server allows clients to determine the public IP address, the type of NAT (Network Address Translators) they are using, and the Internet side port associated by the NAT with a local port. This information is used to set up UDP communication between the client (Mitel Revolution) and the VoIP provider (for example, BroadSoft) to establish a call.
	The type of firewall you have set up determines whether you need to configure STUN server. Consult your network administrator.
	Outbound Proxy Servers - Consult your Cloud PBX vendor documentation to determine whether an Outbound Proxy Server is required for Mitel Revolution to register with your Cloud PBX system.

7. Click Save.

치 Mitel	Revolution
Dashboard	► ACTIVATORS
Notifications	CAP IP Device Mitel Mobile & 3rd Party Polycom SIP SNMP Status
Scheduler	and 1
Configuration >	SIP First, configure your SIP trunk. Then configure SIP Activator. Next, in SIP Activator create SIP lines (within th
System Status	range defined in your SIP trunk) and assign them as triggers to send notifications by dialing the line number. Notifier, set up audio notifications through a SIP call to any SIP-compliant IP devices not running the Syn-Ap Device API such as analog phones, external phone numbers, etc
Users Contacts > & Sites	ACTIONS SETTINGS
Logging	STUN Server
Global Settings	Outbound Proxy Servers
	Inbound Digest Realm
	Inbound Username
	Inbound Password
	Clients (e.g. FBX systems) will be prompted for the above credentials when connecting. If blank, auth will not be required.
	Trusted Servers
	Only accept requests from these IPs. Leave empty to accept connections from any IP. Disable Reinvites Check this if using a cloud PEX or other system that does not support REINVITEs Show advanced settings

Creating SIP Lines

Note: SIP lines are created for the extension range that is defined in the **Digits Dialed** field of the **ARS Digits Dialed** form.

Perform the following steps to create a new SIP line:

- 1. Go to Configuration > Activator > SIP.
- 2. Click NEW and select NEW SIP LINE.
- 3. Enter a descriptive Name for the SIP line.

For extension, enter the SIP number extension range defined in the MiVoice Business System Administration tool. For example, 1234.

- (Optional) Enter a numeric security code of your choosing. Security codes contain at least 3 digits. Leave the field with the default value 0 if you do not want to have a security code. Security codes can be repeated.
- 5. (Optional) Enter Activator Text Title and Activator Text Body text that can be used with, or in place of, a notification title and body text.
- 6. Click Save.



SIP lines entered here can be assigned to notifications as actions that trigger sending the notifications.

For more details about SIP lines, see Create SIP lines section in the Mitel Revolution web help.

Creating SIP Endpoints

Note: When setting up with GCP Flex, MiVoice Business FQDN must be used to SIP URI.

Perform the following steps to create a SIP endpoint for SIP notifier:

- 1. Go to Configuration > Notifiers > SIP.
- 2. Click NEW > NEW SIP ENDPOINT.

The SIP ENDPOINT GENERAL SETTINGS page opens.

- Enter a descriptive Name that will help your users know the endpoint to which they are assigning a notification. This name is displayed on the Endpoints page and in the Manage Notifications > Endpoint & Contact Selection section.
- 4. Enter the SIP_URI in the following format:

sip:SIP line number @IP address of MiVoice Business System Administration tool

Note: All SIP endpoints must include TCP as the transport type. You can prefix the direct page access code defined in the MiVoice Business System Administration tool before the SIP line number.

For example, if 1002 is the page group number and **7 is the Direct Page primary code, the corresponding SIP endpoint is *sip:***71002@XXX.X.X.X;transport=TCP.

5. Click Save.

🕅 Mitel		Revolution
② Dashboard	SIP ENDPOINT GENERAL SETTINGS	
Notifications	Name * Mitel Rev - 1002	
Scheduler	SIP_URI * sip:#71002@10.37.65.90;transport=TCP	
Configuration	example: sip:123@10.1.1.10	
System Status	User Name	
Users Contacts > & Sites	Password	
E Logging	Domsin Or Realm might not be required consult your SIP device or trunk documentation	
Global Settings	RTP Port 0	
Profile	DTMF Delay	
► Logout	Wait this many seconds before sending the DTMF sequence.	
	Send DTMF Sequence	
	Use 'p' to insert a 1 second delay.	
X	CANCEL SAVE	

For more details about creating endpoints, see SIP Endpoints section in the Mitel Revolution web help.

Maximum Concurrent SIP Notifiers

The Mitel Revolution is tested for up to 25 SIP Notifier end points in use at a time.

Note: A recorded message is not played until all the end points have answered.

Creating Notifications

This section describes the procedure how to create a trigger for a one-way audio notification.

For an overview of how the system works and other types of notifications, see **Notifications Basics** and **Manage Notifications** sections in the <u>Mitel Revolution web help</u>.

Perform the following steps to trigger a one-way audio notification:

- 1. Go to Notifications > Manage.
- 2. Click NEW NOTIFICATION.
- 3. Enter the following GENERAL settings:
 - a. Notification Name: Enter a descriptive name for the notification.
 - b. Notification Type: Select One-way from the drop-down list.
 - c. Priority: You can assign a priority level of 1-10.
 - d. Dashboard Icon: Select an image from the drop-down list.

G	Dashboard	GENERAL Notification level settings				~
*	Notifications	Notification Name *		Notification Type	٢	
31	Scheduler	Paging_OneWay		One-Way	*	
÷	Configuration	Priority	0		5	
٦	System Status	Dashboard Icon None	3	Available in All Sites		
1	Users Contacts > & Sites					

- 4. Click the TRIGGERS setting and enter the following values:
 - a. From the Activator drop-down list, select SIP.
 - b. From the Trigger drop-down list, select New Trigger.
 - c. Enter a descriptive Name for the SIP line.
 - d. Add the **Extension** number that you defined in the MiVoice Business System Administration tool.

ADD A NEW TRIGC	Name * 1234-Test line	
Activator SIP New Trigger	Extension • 1234 X	SELECT TRIGGERS Select what activates the notification
	If your SIP Trunk requires a prefix, include it in the Extension	ADD A NEW TRIGGER
	0 Enter 0 for no security code	Activator 👻
	Activator Text Title	
	Activator Text Body	

- 5. Click the MESSAGE DETAILS and enter the following values:
 - a. From the caller ID drop-down list, select Show.
 - b. Select the **Opening Tone** and **Closing Tone** from the respective drop-down lists.
 - c. Set the **Volume** for the notification. This volume overrides the volume set on the endpoint receiving the notification, such as a phone or speaker.
 - d. (Optional) From the **Stored Images** drop-down list, select an image to be send with the notification. You can repeat this step to select an additional image, if needed.
 - e. Choose Font Color for the notification fonts.
 - f. Type the **Title** and **Body** names and add required variables from the respective dropdown lists.

0-11	@	
Show	•	
Opening Tone Boll Ding 1 mp3	Closing Tone	
Beil-Dilig-T.hips	E real-Degin.wav	
Volume		
√olume (0 10 Use device default	
/olume (0 10 Use device default	
/olume	0 10 Use device default	
Volume	0 10 Use device default	
Select Image	D 10 Use device default	
Volume Select Image Font Color Devices without font color support will u default color Title *	D 10 Use device default	

In the **ENDPOINT & CONTACT SELECTION**, start typing the keyword in the **Search** field and select the endpoint where the notification must be sent. You can select individual endpoints, contacts, or user tags.

ENDPOINT & CONTACT SELECTION Devices & Contacts that the notification will be sent to	~
Allow users to add endpoints dynamically	
SELECT YOUR DEVICES & CONTACTS	
Search Contacts User Tags System Tags	Unselect
▲ DNC - administrator @ WIN-RFHGLOHPBIK ▲ DNC - sve @ PC-win8	*
& DNC - sve @ sve-PC3	
<u>&</u> Mitel Rev (31896)	
	~

6. Click Save.

Cascading Notification

Following section describes the procedure how to create a Cascading notification

Note: We can include multiple Notification for Cascading. Action type notification can be stored audio only. The Initial Trigger notification can be any notification.

Initiate an announcement to a MVB page group using a tone, then a pre-recorded message through the PBX and at the end of the alert, initiate a second alert which would consist of the initiation of a page to a PBX page group with a pre-recorded message.

- 1. Create Stored Audio Notification with Paging/Internal Endpoints without Trigger (For example, Cascade1).
- 2. Create a Stored Audio/Oneway paging Notification with Trigger (For example, Cascade 2).
- 3. Open Cascade Notification and Select Action.
- 4. Action Type \rightarrow Send Notification, Send Time \rightarrow On End, Delay (0), Notification \rightarrow select Cascade1 (you may include multiple notifications).

Action 1						1
Action Type		Send Time		Delay		
Send Notification	-	On End	-	1	-	
Notification * X Cascade1				notification.		
						1
Action 2						
Action 2 Action Type		Send Time		Delay	1.4.1	
Action 2 Action Type Send Notification	•	Send Time On End	•	Delay 0	\$	

Adding SNMP Activator for Emergency Call

Perform the following steps to add an SNMP activator for an emergency call:

- 1. Go to Configuration > Activators > SNMP.
- 2. Click NEW and select NEW MITEL DIAL MONITOR.

The MITEL DIAL MONITOR GENERAL SETTINGS page opens.

- 3. Enter a Name for the emergency number.
- 4. For **Monitored Number**, enter the number to be configured in your MiVoice Business System Administration tool.
- 5. Enter the **CESID** (Customer Emergency Services ID) assigned to the number you entered in the **Number to monitor** field.

The CESID value is defined for the number in the **CESID Assignment** form of the MiVoice Business System Administration tool.

6. Click Save.

Note: When a user dials the emergency number, the MiVoice Business sends out a trap to the Mitel Revolution interface and notification is initiated based on notification settings on Mitel Revolution. The Stored Message and Text & Image notification types are supported for emergency notifications.

Ø	Mitel			Revolution
@ D)ashboard		MITEL DIAL MONITOR GENERAL SETTINGS	
≜ №	lotifications	•	Name *	
🗊 S	ocheduler		Available in All Sites	
₩ c	Configuration	•	Monitored Number * 37002 ×	
🐻 s	System Status		Number to monitor	
1 U 8	Jsers Contacts & Sites	•	CESID Template Title * Emergency Call	
ΞL	ogging		Template Body * {CallingDN} called {DialedDigits}	
🗘 G	Blobal Settings			
1 P	Profile		CANCEL SAVE	

CESID

Mitel Revolution supports Wildcard and Regular Expression for CESID for Trigger Notification. Empty value of CESID accepts all CESID.

12 is a regular expression just like any other. It would mean any string that contains 12. The field is always doing a regular expression match. The correct way to do an exact regular expression match would be to put ^12\$ in the field.

^12 matches any string that starts 12, 12\$matches a string that ends with 12, and ^12\$exact string match (starts and ends with 12).

- abc* matches a string that has ab followed by zero or more c
- abc+ matches a string that has ab followed by one or more c
- abc? matches a string that has ab followed by zero or one c
- abc{2} matches a string that has ab followed by 2 c
- abc{2,} matches a string that has ab followed by 2 or more c
- abc{2,5} matches a string that has ab followed by 2 up to 5 c
- a(bc)* matches a string that has a followed by zero or more copies of the sequence bc
- a(bc){2,5} matches a string that has a followed by 2 up to 5 copies of the sequence bc

Settings Tab

- 1. Enter the Trap Listening Port number.
- 2. In the SNMP Community String field, enter the same value as entered in the MiVB Community String.

🔊 АСТ	IVATOR	S								
CAP	Email	IP Device	Mitel	Mobile & 3rd Party	Polycom	SIP	SNMP	Status	Stream	
NMP										
Trigger	notificatio	ons when an S	NMP Tra	p message is received	from a 3rd-p	arty ver	idor.			
ACTI	ONS	SETTINGS								
			_							
Trap Lis	tening Port	t								
102										
SNMP C	ommunity { /	String								
Import	dital Diroa	tony CRV								
Choos	se File	lory CSV								
No file	chosen									
Import te MiVoice I click 's av	elephone di Business. A ve' WARNIN	rectory CSV file After picking a fil	exported fi le, you mus	rom st d						
data will	be replace	d.	ny importe	~						

For more details about the fields in the emergency settings, see **Configure Revolution SNMP Activator** section in the <u>Mitel Revolution web help</u> and **About Emergency Services** section in the <u>MiVoice Business help file</u> for emergency number setup details.

Assigning the SNMP Trigger to the Notification

Perform the following steps to create a notification that you want to send and assign Mitel dial monitor triggers to the notification:

- 1. Go to Notifications > Manage.
- 2. Click NEW NOTIFICATION.

3. Enter specific values in the following fields:

Field	Value
General	From the Notification Type drop-down list, select Text and Images or Stored Audio notification type.
	You can select Text to Speech as this is an emergency notification.
	To include an opening tone to get the receivers attention, select Stored Audio notification type. Do not select One-Way , Recorded , or Two-Way notification types.
Select Triggers	From the Activator drop-down list, select SNMP and then select the trigger you created.
Message Details	Select the Title and Body variables that you have defined in the Mitel Dial Monitor page for the emergency call. The following table describes about the variables that can be selected while creating a notification.
Endpoint & Contacts	Assign the endpoints and contacts you want the emergency notification to be sent to.
	If you want the notification to be sent to the Mobile app, add the contacts and select the Mobile check box in the Contact Methods section .

While creating notifications, you can configure the following variables to derive the Caller Name, Number, Location, Department information on the SNMP trap Notification, text message, and so on.

Variable	Description		
{SysName}	IP address or host name is configured in the SNMP Configuration form used to identify the system responding to the emergency call.		
{SeqNumber}	An incrementing number from 1, used for correlating the retry logs.		
{CallType}	Indicates that the call is an emergency call.		
{CallingDN}	The DN of the device used to place the emergency call.		
{DialedDigits}	The digits that are out pulsed on the outgoing trunk after digit modification is performed.		
{RegistrationDN}	Used when an emergency call is placed from a hot desk service.		
{CallingPNI}	The Primary Node ID for the caller (if applicable).		
{DetectTime}	The date and time (in seconds) when the system initiated the emergency call.		
{CesidDigits)	This is the CESID from: the CESID Assignment form (for the Directory Number), L2 to CESID Mapping form (for a device from which the emergency call is placed), Network Zones form (for a zone from which an emergency call was placed), or Default CESID form (for the whole system).		
{Location}	Location of the phone as defined in the phone directory imported from		

{CallerName}	Mitel. If you are not importing the phone directory, then do not use these variables.

For more details about creating and assigning notifications, see **Notifications Basics** and **Manage Notifications** sections in the <u>Mitel Revolution web help</u>.

Triggering SNMP Emergency Notification

Perform the following steps to trigger an emergency notification:

- 1. Go to Notifications > Manage.
- 2. Click NEW NOTIFICATION.
- 3. Enter the following GENERAL setting values:
 - a. Notification Name: Enter a descriptive name for the notification.
 - b. Notification Type: Select Stored Audio from the drop-down list.
 - c. Activation Type: Select the activation type from the drop-down list and set the **Repeat** Interval (in seconds) to repeat the sending of the notification.
 - d. Priority: You can assign a priority level of 1-10.
 - e. Dashboard Icon: Select an image from the drop-down list.

GENERAL Notification lev	el setting	IS			~
Notification Name * Emergency Test			Notification Type Stored Audio	? •	
Activation Type Iteration	? •	Iterations 1	Repeat Interval (secc 60	onds)	
Priority		(>		5
Dashboard Icon None		(?)	✓ Available in All Sites		

- 4. Click the TRIGGERS setting and enter the following values:
 - a. From the Activator drop-down list, select SNMP.
 - b. From the Trigger drop-down list, select Emergency.

Select what activates the notification	SELECT TRIGGERS Select what activates the notification		
ADD A NEW TRIGC	SNMP - Emergency		
SNMP New Trigger	ADD A NEW TRIGGER		
MESSAGE	Activator 👻		

- 5. Click the **MESSAGE DETAILS** and enter the following values:
 - a. From the caller ID drop-down list, select Show.
 - b. From the Select Audio drop-down list, select the audio to play.
 - c. Set the volume by adjusting the volume button.
 - d. Choose Font Color for the notification.
 - e. Type the **Title** and **Body** names and add the required variables from the respective dropdown lists.

Content to send to the en	ndpoints			~
Caller ID Show	? •			
Select Audio				
Air-Raid-Siren.mp3	⊛ ×			
Volume O	7	Use device default		
Select Image				
Font Color Devices without font color support v default color	will use their			
Title * {callerID}			{} \	
Body {activatorBody}{activatorCoordina {notificationName}{timeLocal}	tes}{activatorLo	ocation}{activatorTitle}{dateLocal}	{} ~	

In the **Endpoint & Contact Selection**, start typing the keyword in the **Search** field and select the endpoint where the notification must be sent. You can select individual endpoints, contacts, or user tags.



6. Click Save.

Automated Mitel Notifier Import Configuration

Most of the communication between Revolution and your Mitel phone system is configured in your Mitel PBX. Once configured, the supported IP phones automatically register.

This configuration is used to automatically fetch Phone details from MiVoice Business. This autoimport feature in Revolution supports MiNET 69xx. The supported phones are shown under End Points after successful importation from MiVoice Business. To import Unsupported models and SIP Devices, select the **Directory Import** check box in **Settings** tab. Once imported, these can be further used as Notification End points (only Supported Endpoints). For the location details to populate automatically, enable the **Populate** option under **Settings**. All Endpoints including **Location in Directory** tab will be listed in Revolution, except SIP devices that also register with Revolution through XML.

Note: You may also register the phones with Revolution by explicitly pointing to them using the .cfg files.

- 1. Go to Configuration > Notifiers.
- 2. Select Mitel.
- 3. Select New > New MiVB Communications Manager.
- 4. For Name, enter a value that will help you identify this call manager.
- 5. For Server, enter the IP address or host name for the MiVoice Business server.

Note: If you have redundant MiVoice Business systems, you must add all servers in a comma-separated list.

6. For Username and Password, enter the credentials for the MiVoice Business Server.

	Dashboard		MIVB COMMUNICATIONS MANAGER GENERAL SETTINGS
	Notifications	•	Name * MIVB
Ľö	Scheduler	•	Server * 192 168 10 69 192 168 10 74
!	Configuration	•	IP Address or hostname for MiVoice Business server
P	System Status		Username * system
1	Users Contacts & Sites	•	Password *
Ξ	Logging		
•	Global Settings		CANCEL SAVE
?	Help		

🕅 Mitel	Revolution	03:33:04 PM IST () D : powered by Syn-Apps readeration: binduet
Dashboard		
A Notifications	CAP Desktop Dialer Email IPDevice Mitel Poly SIP SMS Stream Webhook	
C Scheduler		NEW
Configuration	Most of the communication between this application and your Mitel phone system is configured in your Mitel communications manager. Once configured, supported IP phones automatically register. In Mitel Activator, configure phone softkeys to trigger notifications. Emergency numbers will not activate unless Emergency Number Monitoring is enable in the setting tab.	
Users Contacts & Sites	ACTIONS SETTINGS	
E Logging	MIVE Communications Manager Name Y Server	Status 😐
Global Settings	MIVB 192.168.10.69,192.168.10.74	• / 🖻
Help		

() MITEL	
Most of the communication be communications manager. Or phone softkeys to trigger noti is enable in the setting tab.	etween this application and your Mitel phone system is configured in your Mitel nee configured, supported IP phones automatically register. In Mitel Activator, configure fications. Emergency numbers will not activate unless Emergency Number Monitoring
ACTIONS SETTINGS	3
Cache Update Interval 5	
How often to update the MiVoice (phone cache (in minutes)	Communicator
Enabling Emergency Nun	nber Monitoring
The dial monitor service must be MiVoice Connect server	installed on the
Populate Location	
Populate endpoint Location from (Connect) or Directory Location (N	lack Number /liVB) if available
Call Interrupt Priority Threshold	
Notification priority must be highe	r than this
value to interrupt an active phone	can

Importing Location details to SIP device for XML Registration

Users registered directly with Revolution using XML post will not have their location details updated in their directory. To update the location details of these users, the admin must import their location details using the following steps:

Go to Configuration > EndPoints > DIRECTORY.

1.

•	ENDPOINTS						
E		ORY.					
M	anage directory names and settings from this page. Only	y directory entries can be deleted.					1
	Name	Destination Co	de Location	Latitude	Longitude	Elevation	÷
~	Testing	1900					
<	testing1	1900					
~	Mitel Mitel6930 - 302-4000620	302-4000620					
~	FINDHQUSER3 - 400101-1704	400101-1704					
~	FINDLDVSUSER11 - 400101-1786	400101-1786	12345				
*	FINDLDVSUSER21 - 400101-1787	400101-1787					
<	FINDWDVSUSER18 - 400101-1969	400101-1969					

2. Click the pencil icon () Bulk Edit > Bulk Update and Add from CSV.

3. Click **Choose File** and select the CSV file from your saved location. The **Edit and Import** from CSV – Column Mapping screen is displayed.

•< Edit and Import from CSV
Choose File
CLOSE

4. From the Match Data to drop-down list, select Destination Code. Clear the Update Endpoints checkbox.

NOTE: By default, the Update Endpoints checkbox is selected.

Match Data to					
Destination Code	+				
Update Endpoints					
Update Directory Entries					
Add Directory Entries					
Name	•	Destination Code	-	Location	÷
Rev2,Reg		1011		MyHome_shelf	

5. Click Import.

The location details of users registered directly with Revolution using XML post will be updated in their directory.

Licensing or Delicensing of Endpoints

You can choose to license or delicense an endpoint during or after you import that endpoint to Mitel Revolution.

During importing an endpoint

When you import an endpoint, you can license or delicense the endpoint by selecting or deselecting the **Add New Endpoints As Licensed check box** in the **Global Setting** page.



Note: By default this setting is enabled.

To delicense an endpoint, perform the following steps:

- 1. Navigate to Global Setting > Endpoints.
- 2. Deselect the Add New Endpoints as Licensed check box.
- 3. Click **Save**.

Note: Once the endpoint license warning message is received, letting you know that you are about to hit your license limit, any additional endpoints added are added as unlicensed even if you have the **Add New Endpoints as Licensed** check box selected. You must then manually license these endpoints.

After importing an endpoint

After you import the endpoint, you can license or delicense the endpoint by doing the following:

1. Navigate to Configuration > Endpoints.

0	Dashboard		et en	DPOINTS						1
۰	Notifications	•	Manage e	indpoint nar	mes and settings from this	page. Only inactive endpoints can be delete	d. Active e	ndpoints can		
ľō	Scheduler	•	Module	ed by deleti Status	Name	urn	Site	IP Address	Licensed	÷
÷	Configuration	•	SIP	Active	185_6920	@SIPNotifier:0cc925b8-7 d30-eb11-80/7-00505693 c165	All	10.211.60.185	0	0
ø	System Status		SIP	Active	185 6970	@SIPNotifier:6eac8d7e-0 d36-eb11-808-00505693	All	10 211 60 185		0
1	Users Contacts & Sites	•		Houro	100_0070	c165	6.99)	1012 11001100	· ·	
	Logging		SIP	Active	3001	@SIPNotifier:d661d794-3f 09-eb11-80ef-00505693c1 65	All	n/a	۰	0
0	Global Settings		SIP	Active	3002	@SIPNotifier:4f81ba9e-3f 09-eb11-80ef-00505693c1 65	All	n/a	•	٠

 To license an endpoint, click the icon a endpoint is licensed, the icon will change to

icon associated with that endpoint. After the

53

3. To delicense the endpoint, click the 🛛 🖉 icon associated w

÷

icon.

icon associated with the endpoint. After the

endpoint is delicensed, the icon will change to

4. To search for an extension select

INTS	tings Forcine, page, Dity traches withpoints can be der	wheth, Arthyse and points.				2
Status	Karte	URM	Site	IP Address	Upened	
Machve	5340.Brad -1031	@Mile: 00000F30E625	AE.	5/8	0	= 0
Inective	ONC - steptent @ MTL-OVZ3JM2	@DHC 110ee10e-cc01-4c03-b55e-61e34780 51a3	A.	10.6.49.254	0	
inactive	DVC - wittaker @ USHCD-23085	@DNC 91641587-21ba-4a4b-6402-57619ace6 866	AF.	10.8 48 200	0	
Active	Extension 1011	gssPhotner 115:941a-6473-ea11-0674-0050 569c6at/	м	10.40.155.75	0	0
	NTS Advantes.anti et 1 by destrog the Status Heactive Inactive Active	INTE Interface and settings From the page. Only reactine endpoints can be one if the deterting the same in the endown that created them. Status Name Machine Status 340,0068 - 1031 Interface ONC - steptent @ MTL-OVZD.MC Interface ONC - settingter @ USINOD-20055 Active Endowsion 1011	NTS Status Name URN Status 544,0454,010,010,010,010,010,010,010,010,010,01	NTS Status Name USN Status Status	State NTE State Nee VEN State PAddeese MacDee 340,0rad - 1031 VEN State PAddeese MacDee 340,0rad - 1031 QMRec: 00000F30E625 All Nill Inactive OVC - stephent @ MTL_OVZ3.MD QMRec: 00000F30E625 All Nill Inactive OVC - stephent @ MTL_OVZ3.MD QMRec: 00000F30E625 All Nill Inactive OVC - stephent @ MTL_OVZ3.MD QMRec: 0000F30E625 All Nill 18.6 40.254 Inactive OVC - stephent @ MTL_OVZ3.MD QMRec: 0000F30E625 All 18.6 40.254 Inactive OVC - stephent @ USINCO-23005 QMRec: 0000F30E625 All 18.6 40.254 Inactive OVC - stephent @ USINCO-23005 QMRec: 0000F30E625 All 18.6 40.254 Inactive OVC - stephent @ USINCO-23005 QMRec: 0000F30E625 All 10.6 4.020.05 Inactive OVC - stephent @ USINCO-23005 QMRec: 0000F30E625 All 10.4 0.150.75	State Nee URN Site IP Address IIP Address Iccreed Machine 0340,0108 - 1001 0404

Stream Notifier Configuration

This section describes the Mitel Revolution stream notifier configuration for MiVoice Business.

Perform the following steps to configure the stream notifier:

- 1. Go to Configuration > Notifiers > Stream.
- 2. Click NEW STATIC STREAM.
- 3. Enter the required Multicast details (same as MIVB Configuration).
- 4. Click Save.

P Address *	P Address *
39.10.10.13	239.10.10.13
Port *	Port *
4964	24964
the stream routes through a Paging Relay,	If the stream routes through a Paging Relay,
the assigned port number must be an even	the assigned port number must be an even
alue in the range of 20480-32768	value in the range of 20480-32768
P Address *	P Address *
39.10.10.13	239.10.10.13
Port *	Port *
4964	24964
the stream routes through a Paging Relay,	If the stream routes through a Paging Relay,
a assigned port number must be an even	the assigned port number must be an even
alue in the range of 20480-32768	value in the range of 20480-32768
P Address *	P Address *
39.10.10.13	239.10.10.13
Port *	Port *
4964	24964
the stream routes through a Paging Relay,	If the stream routes through a Paging Relay,
the assigned port number must be an even	the assigned port number must be an even
alue in the range of 20480-32768	value in the range of 20480-32768
239.10.10.13	239.10.10.13
Port *	Port *
24964	24964
the stream routes through a Paging Relay,	If the stream routes through a Paging Relay,
the assigned port number must be an even	he assigned port number must be an even
alue in the range of 20480-32768	alue in the range of 20480-32768
Port *	Port *
24964	24964
the stream routes through a Paging Relay,	the stream routes through a Paging Relay,
le assigned port number must be an even	he assigned port number must be an even
alue in the range of 20480-32768	alue in the range of 20480-32768
Port *	Port *
24964	24964
the stream routes through a Paging Relay,	If the stream routes through a Paging Relay,
the assigned port number must be an even	the assigned port number must be an even
alue in the range of 20480-32768	alue in the range of 20480-32768
Port *	Port *
4964	24964
the stream routes through a Paging Relay,	If the stream routes through a Paging Relay,
the assigned port number must be an even	he assigned port number must be an even
alue in the range of 20480-32768	alue in the range of 20480-32768
24964	24964
the stream routes through a Paging Relay,	f the stream routes through a Paging Relay,
the assigned port number must be an even	he assigned port number must be an even
alue in the range of 20480-32768	alue in the range of 20480-32768
the stream routes through a Paging Relay, the assigned port number must be an even alue in the range of 20480-32768 Route To Networks	the stream routes through a Paging Relay, the assigned port number must be an even value in the range of 20480-32768
the stream routes through a Paging Relay, the assigned port number must be an even alue in the range of 20480-32768 Noute To Networks	he assigned port number must be an even alue in the range of 20480-32768
loute To Networks	
	Route To Networks
rovide comma delimited network addresses in IDR /24 format that you would like Revolution to se to relay static stream audio.	rovide comma delimited network addresses in IDR /24 format that you would like Revolution to se to relay static stream audio.

Priority Groups

Priority Groups define a primary server and the failover order of your redundant servers.

Priority groups are used to:

- Define failover order for your redundant servers.
- Define different server priorities such that we can distribute activations to different servers. For example, for Group A you could list your primary server first, while for Group B your secondary could be first.

If we do not create any priority groups, beyond the Default, then Revolution behaves as if it was in an Active/Standby scenario for any failover scenarios and all notifications will go through the highest priority server that is active.

Follow the steps to create the Priority Groups

- 1. Navigate to **Configuration** > **Priority Groups**. The Priority Groups page opens.
- 2. Click **NEW** to create a new Priority Group.
- **3.** Click and drag the server boxes to specify a priority order of your choice, with highest priority server placed first.

Dashboard	> PRIORITY GROUPS	
Notifications	REDUNDANCY SERVERS	/
🔂 Scheduler 🔸	WIN-HOOP7QQJ2A1 - WIN-HOOP7QQJ2	A1
E Configuration	Activators	OU3
System Status	Notifiers UPS	NEW
Users Contacts > & Sites	Ser Tags	÷.
E Logging	• Endpoints	0
Global Settings	IP Devices	• m
(?) Help .	O Media	
	. Areas	
	Floor Plans	
	O Tokens	
	Priority Groups	



Priority Groups are referenced when trigger activators are created or edited. Priority Groups are selected from the **Priority Groups** field in the configured order. Notification triggers are activated from the first server listed (or lower priority servers in the case of failover) in the **Priority Groups** field.

Priority Group configuration for Activators

To configure Priority Group for Activators, navigate to **Configuration > Activators > SIP > SIP Line.**



Priority Group selection for SIP notification

To access the SIP Registration, navigate to **Configuration > Activators > SIP > SIP Registration.**

Mitel Revolution Configuration

	Dashboard	SIP REGISTRATION GENERAL SETTINGS
\$	Notifications	Name * 1009
Ľō	Scheduler	Priority Group Secondary
••	Configuration	Registrar URI *
٦	System Status	Registrar server URI. For example: sip:domain.com
1	Users Contacts & Sites	Address Of Record * 1009@192.168.10.69
Ξ	Logging	Registration address of record. For example: user@domain.com
¢	Global Settings	Register Interval * 300 in seconds
0	Help	Username
		Password
		Realm Separate multiple realms with a comma ONLY!
		CANCEL SAVE

Third-Party Troubleshooting

Basic troubleshooting can be done using the various Mitel Revolution log files. You can access these files from Mitel Revolution > Logging.

See the <u>Mitel Revolution web help</u> > <u>Logging</u> topic for more information.

In addition, refer to the Mitel Revolution web help > Troubleshooting topics.

Mitel Revolution Technical Support

Technicians who have completed Mitel Revolution technical training and certification can open tickets with Mitel Technical Support for further assistance with Mitel Revolution.

Creating tickets for Non-ARID Products

This section describes the procedures to create ticket for a non-ARID product by using the North America IVR and Mitel Miccess Web interface (TechCentral Tracker).

Creating an IVR Ticket (Americas Only)

- 1. Call the Mitel Revolution Support team at any of the following phone numbers:
 - 800-722-1301 (option 5 # 8)
 - 613-592-7849 (option 8)
- 2. When prompted to enter an ARID (License ID), press # to listen to the list of non-ARID products.
 - Press 3 for **Applications** (Mitel Revolution, Mitel Performance Analytics, Mitel Mass Notification, CT Gateway)

Note: These menu options may change at any time, based on the support status of the product.

3. When prompted, enter the product version number, using the * key for dots and the # key to submit.

Note: To know the version number of your product, log in to TechCentral Tracker to find the list of versions in the drop-down menu.

For example:

If you are using Mitel Revolution R2021.1, to enter this in the IVR you would select "2021*1#" on your keypad.

Creating a Web Ticket

- 1. Log in to https://www.mitel.com/login > MiAccess (partner Login) > TechCentral Tracker.
- 2. Click Create New Service Request.
- 3. Enter the Service Request Details (Severity, Summary) and Contact Information.
- 4. On the Product Information page, select Select a product.

Service Request Details	Contact Information	Product Information
O Enter a license ID	Select a product	
License ID:		
Product Name: *	Please select an eritr	y -
SW Version: *	11	р
On-Site Version: Platform: Sub-Product:	Please select an ent 5624 WIFI Handset 5634 WIFI Handset	ry 👘
	CT Gateway	

5. In the Site Information page, select the site from the drop-down list under Select Site.

Service Request Details	Contact Information	Product Informatio	Site Information
Select Site: *	Company Name	-	
Site Name:	Company Name		
Address:	Street		
City:	City		
Zip Code:	Unknown		
State/Province:	STATE OR PROVINCE		
Country:	Country		
Phone Number:	Unknown		

6. In the Troubleshooting Notes page, enter the details of the issue and click SUBMIT.

Create New Service Request

service Request Details	contact information	Product information	one mormation	mounteshooting tootes
Symptoms/Details: *				Value is requ
				a

Appendix 1 Mitel Revolution Integration Notes for MiVoice Business

The following table summarizes a list of Integrated features when Mitel Revolution is connected to the MiVoice Business.

<u>Activator Active-Standby</u> – The scenario where PBX can successfully switch to Standby server when the Revolution Active is not responding.

<u>Activator Active-Active</u> – The scenario where PBX can send Activator to both primary and secondary Revolution server as needed.

Notification Active-Standby – The scenario where Revolution can successfully use the Standby server to dispatch notifications when the primary stops responding.

Notification Active-Active – The scenario where both primary and secondary can simultaneously process notifications.

Feature/Activator/Notification	Integration Detail			
Activators				
SIP Activator	Supported through SIP trunks.			
Emergency Call Activator	SNMP traps			
	Note: Supported version is SNMP Version 1.			
SIP Activator (Active-Standby)	MiVoice Business uses route set to fail-over to secondary (fail-over timer configurable in SIP profile) Revolution up on primary failure.			
	Some issues are noticed with the DNS SRV approach.			
Emergency call trigger (Active-Standby)	MiVoice Business does not support multiple IPs for SNMP traps.			
SIP Activator (Active-Active)	MiVoice Business sends Activator code to Primary or Secondary Revolution as specified in SIP Profiles and Networks element. A separate network element and SIP profile are required for each Revolution.			
Emergency Call trigger (Active- Active)	MiVoice Business does not support multiple IPs. It can be pointed to either Primary or Secondary Revolution at a time.			
Notifications				
SIP Paging Notification	MiNET	Supports 53XX and 69XX.		
	SIP	Not supported.		
		(SIP cannot be added as a Page member)		
XML Text Display	MINET	69XX Supports Text. Tested and supported on MiVoice Business Release 9.1 onwards.		
		Note: 6905/10 (MiNET) do not support		

	XML. Supported devices include 6920 6930, 6940, and 6970 (MiNET R1.5+ required for 6970 support).		
		53XX does not support XML text display.	
	SIP	SIP XML is independent of call controller platform. SIP supports XML Text Display.	
	MiNET	MiNET XML API does not support audio.	
XML Audio	SIP	SIP XML API is independent of the call controller platform. SIP XML API supports two-way Audio (Rx).	
XMLNotifications	XML Notifications are not supported on 68xx and 69xx sets that are configured as Teleworker phones.		
Multicast	MiNET	Supported from MiVoice Business Release 9.1. MiNET phones do not have an option to drop the stream. They continue to play the stream until the originator disconnects the call.	
		Note: 53XX phones do not support multicast streaming.	
	SIP	SIP Multicast setting is independent of the call controller platform. SIP supports Multicast streams.	
Location details	Supported.		
SIP Paging Notification (Active- Standby)	Supported. Secondary Revolution takes around 5-10s to register with MiVoice Business once the primary goes down.		
XML Notification (Active-Standby)	Secondary Revolution sends XML Notifications when the primary instances are no longer active. Notifications to MiNET phones will indefinitely work if they are added through MiVoice Business. SIP devices (release later than 6.0) support registering with multiple XML servers. XML notifications work as long as the registration with Revolution is active.		
Multicast Notification (Active- Standby)	Supported.		
SIP Paging Notification (Active- Active)	For SIP Active-Active Notifications to work, both Primary and Secondary Revolution should be registered separately on Mitel PBX.		
XML Notification (Active-Active)	Supported. The phones need to be pointed to the respective Revolution to receive the notifications.		
Multicast Notification (Active-	Supported. The phones need to be pointed to the		

Active)		respective Revolution to receive the notifications.		
Automated Notifier Import		Supported Endpoints 69x	x, 53xx, and Generic SIP	
Manual CSV Directory Import		Supported Endpoints 53x	x, 69xx, SIP, and Analog	
HTML Audio	53xx MiNET	MiNET 53xx HTML API d	oes not support Audio.	
HTML Test/Image Notification	53xx MiNET	53xx phones supports text and image only using the Mitel HTML API (MiNET).		



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