

MITEL – SIP CoE

Technical Configuration Notes



Configure the MCD for use with the
Ascom i62 SIP Device

SIP CoE 10-4940-00152

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Mitel Technical Configuration Notes – Configure the MCD for use with the Ascom i62
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OVERVIEW	1
Interop History.....	1
Interop Status	1
Software & Hardware Setup.....	1
Tested Features.....	2
Device Recommendations	2
Resiliency	3
Device Limitations.....	4
Network Topology	5
CONFIGURATION NOTES	6
MCD Configuration Notes	6
Network Requirements.....	6
Assumptions for the MCD Programming.....	6
Licensing and Option Selection – SIP Licensing	7
Class of Service Assignment	8
SIP Device Capabilities Assignment.....	9
User and Device Configuration	10
Reroute Assignment.....	13
ASCOM I62 CONFIGURATION NOTES.....	15

Overview

This document provides a reference to Mitel Authorized Solutions providers for configuring the Mitel MCD to host the Ascom i62 Phone. The different devices can be configured in various configurations depending on your VoIP solution. This document covers a basic setup with required option setup.

Interop History

Version	Date	Reason
1	November 8, 2010	Initial Interop with Mitel 3300 MCD 4.2 and the Ascom i62 v2.1.19
2	Mars 3, 2014	Interop with Mitel MCD 6.0 SP3 and the Ascom i62 v5.1.22

Interop Status

The Interop of the Ascom i62 has been given a Certification status. This device will be included in the SIP CoE Reference Guide. The status the Ascom i62 achieved is:

 COMPATIBLE	<p>The most common certification which means the device/service has been tested and/or validated by the Mitel SIP CoE team. Product support will provide all necessary support related to the interop, but issues unique or specific to the 3rd party will be referred to the 3rd party as appropriate.</p>
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Software & Hardware Setup

This was the test setup to generate a basic SIP call between the Ascom i62 SIP device and the MCD.

Manufacturer	Variant	Software Version
Mitel	MCD Platform	12.0.3.15
Mitel	5330	5.2
Mitel	5340	5.2
Mitel	5360	5.2
Mitel	5624	5.1.18
Ascom	i62	5.1.22

Tested Features

This is an overview of the features tested during the Interop test cycle and not a detailed view of the test cases. Please see the SIP Line Side Interoperability Test Plans for detailed test cases.

Feature	Feature Description	Issues
Basic Call	Making and receiving a call	<input checked="" type="checkbox"/>
DTMF Signal	Sending DTMF after call setup (i.e. mailbox password)	<input checked="" type="checkbox"/>
Call Hold	Putting a call on hold	<input checked="" type="checkbox"/>
Call Transfer	Transferring a call to another destination	<input checked="" type="checkbox"/>
Call Forward	Forwarding a call to another destination	<input checked="" type="checkbox"/>
Conference	Conferencing multiple calls together	<input checked="" type="checkbox"/>
Redial	Last Number Redial	<input checked="" type="checkbox"/>
MWI	Message Waiting Indication	<input checked="" type="checkbox"/>
T.38 Fax	Fax Messages	Not Supported
Video	Video Capabilities	Not Supported
Teleworker	Mitel remote connectivity with Teleworker	Not tested
Personal Ring Group	Multiple sets ringing when one number dialed	<input checked="" type="checkbox"/>
Resiliency	Device able to handle one MCD failing	<input checked="" type="checkbox"/>

- No issues found - Issues found, cannot recommend to use - Issues found

Device Recommendations

The Ascom i62 is recommended to be deployed in Device Based mode. If configuring the network for Resiliency, it is recommended to use the Ascom i62 built in Failback Redundancy settings. Refer to the Ascom i62 Resiliency programming section later on in this document.

Resiliency

The following table lists the scenarios of resilience supported by this device when connected to the MCD.

Device	Scenario 1 Bronze	Scenario 2 Silver	Scenario 3 Gold	Scenario 4 Platinum
Ascom i62	✔	✔	Not Supported	Not Supported

✔ - No issues found ✘ - Issues found, cannot recommend use ⚠ - Issues found

Note: Refer to list of device limitations and known issues later in the document for recommendations.

The various scenarios are described below. The scenario names are a convenience for understanding this section of the configuration guide.

Scenario 1: Resiliency is achieved by utilizing the ability of DNS servers to provide multiple IP addresses against a single FQDN. This is generally achieved by using DNS SRV or A records. This scenario requires nothing from a SIP Endpoint except that it supports standard DNS behaviour.

Scenario 2: The device has inherent knowledge of the primary and secondary MCDs and will switch between them if a SIP request (**REGISTER**, **INVITE**, or **SUBSCRIBE**) times out. Behaviour will be characterized based on whether the device returns to primary ICP and when this occurs. This scenario has some dependency on user action in order to detect a failure, especially if configured with a long registration expiry time, so the chance of a user experiencing a long delay making a call goes up.

Scenario 3: The behaviour of the device is the same as that of scenario 2, except that the device will “ping” the currently active server with an **OPTIONS** request. If the **OPTIONS** request times out, the device will switch to the alternate server for all future requests. The intent of this scenario is to provide much faster failure detection by the device. This will allow devices to failover to their alternate ICP much more quickly, and much more unnoticeably. (If the device can detect a failure of the primary ICP, and can failover immediately, the chance that the user even notices a lack of service falls dramatically.)

Scenario 4: The device will support a new SIP header designed specifically for resiliency. The *P-Alternate-Server* header must be included in a **200 OK** or **301 Moved Permanently** response. This header will include data that designates the potential servers and which server the UA must use.

Device Limitations

This is a list of problems or not supported features when the Ascom i62 SIP device is connected to the Mitel MCD.

Feature	Problem Description
Call Park	<p>The Ascom i62 can only retrieve the last parked call on any given number.</p> <p>Recommendation: This is a known behaviour of call park. See Mitel Support for further information on this feature.</p>
PRG	<p>The Ascom i62 cannot push a call back to the Personal Ring Group using the Handoff Feature Access Code.</p> <p>Recommendation: This is a known problem with the Personal Ring Group. Contact Mitel Support for further information and reference DPAR MN00326623.</p>
DTMF	<p>The Ascom i62 do not support in-band DTMF.</p> <p>Recommendation: Use the default DTMF setting (out-of-band, RFC2833).</p>
Call Forwarding with MBG Not tested	<p>The MBG does not currently support device based features.</p> <p>Recommendation: Use the MCD to configure the Call Forwarding, either with FAC or through the web manager. Contact Mitel Support for further information and refer to DPAR MN00361640.</p>
MWI with MBG Not tested	<p>The Ascom i62 cannot currently SUBSCRIBE for MWI when registering through the MBG. The i62 will not receive a notification if there is a new message waiting in its voice mail.</p> <p>Recommendation: Mitel is aware of the problem and is working on correcting it. Contact Mitel Support for further information and refer to DPAR MN00361522.</p>

Network Topology

This diagram shows how the testing network is configured for reference.

Mitel SIP Interop Network Configuration

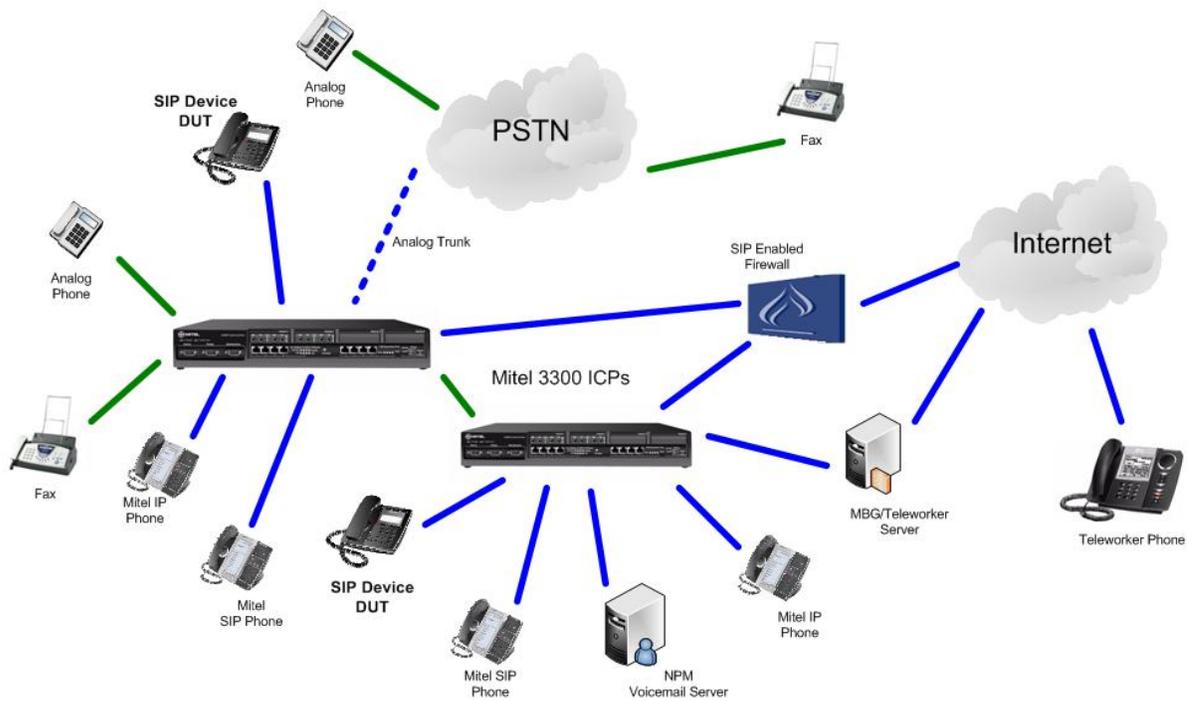


Figure 1 – Network Topology

Configuration Notes

This section is a description of how the SIP Interop was configured. These notes should give a guideline how a device can be configured in a customer environment and how the Ascom i62 was configured in our test environment.

Disclaimer: Although Mitel has attempted to setup the interop testing facility as closely as possible to a customer premise environment, implementation setup could be different onsite. YOU MUST EXERCISE YOUR OWN DUE DILIGENCE IN REVIEWING, planning, implementing, and testing a customer configuration.

MCD Configuration Notes

The following steps show how to program a MCD to connect with the Ascom i62 Phone.

Network Requirements

- There must be adequate bandwidth to support the voice over IP. As a guide, the Ethernet bandwidth is approx 85 Kb/s per G.711 voice session and 29 Kb/s per G.729 voice session (assumes 20ms packet size). As an example, for 20 simultaneous SIP sessions, the Ethernet bandwidth consumption will be approx 1.7 Mb/s for G.711 and 0.6Mb/s. Almost all Enterprise LAN networks can support this level of traffic without any special engineering. Please refer to the MCD Engineering guidelines for further information.
- For high quality voice, the network connectivity must support a voice-quality grade of service (packet loss <1%, jitter < 30ms, one-way delay < 80ms).

Assumptions for the MCD Programming

- The SIP signaling connection uses UDP on Port 5060.

Licensing and Option Selection – SIP Licensing

Ensure that the MCD is equipped with enough SIP Device licenses for the connection of SIP end points. This can be verified within the License and Option Selection form.

The screenshot displays the 'License and Option Selection' form in the MITEL i62 web interface. The top navigation bar shows the MITEL logo, node information ('Node '10.30.32.170' Alarm Status: No Alarm 2014-Mar-04 21:44:40'), and links for 'Message Board', 'About', 'Help', and 'Logout'. The main content area is titled 'License and Option Selection' and includes a search field for 'DN to search' and a 'Show form on' dropdown set to 'Not Accessible'. Below this, there are buttons for 'Change', 'Print...', 'Import...', 'Export...', and 'Data Refresh'. The form content is divided into several sections:

- Online Licensing with the Application Management Center:** Shows 'Application Record ID 97506792'.
- System Information:** A table with columns 'System Type', 'License Sharing', and 'Hardware Identifier'. The values are 'Enterprise', 'No', and '0000033c86d' respectively.
- Licensed Options:** A table with columns 'Locally Consumed', 'Locally Allocated', 'Available for Allocation', 'Purchased', and 'Local Limits' (subdivided into 'Licenses Allowed' and 'Can be Over Allocated').
- Configuration Options:** A table with various settings like 'Country' (United Kingdom), 'Extended Agent Skill Group' (No), 'Maximum Elements per Cluster' (30), etc.

Licensed Options	Locally Consumed	Locally Allocated	Available for Allocation	Purchased	Local Limits	
					Licenses Allowed	Can be Over Allocated
Users						
IP Users	30	67	0	67	Unrestricted	Yes
External Hot Desk Users	0	6	0	6	Unrestricted	Yes
ACD Active Agents	0	5	0	5	Unrestricted	Yes
HTML Applications	0	0	20	0	Unrestricted	Yes
Analog Lines	0	16	0	16	Unrestricted	Yes
IP Console Active Operators	0	0	1	0	Unrestricted	Yes
Multi-device Users	0	0	20	0	Unrestricted	Yes
Multi-device Suites	0	0	20	0	Unrestricted	Yes
Messaging						
Embedded Voice Mail	17	20	0	20	Unrestricted	Yes
Embedded Voice Mail PMS	1	Yes	0	1	Unrestricted	Yes
Trunking/Networking						
Digital Links	0	2	0	2	Unrestricted	Yes
Compression		8	0	8	Unrestricted	Yes
FAX Over IP (T.38)		4	0	4	Unrestricted	Yes
SIP Trunks	3	3	0	3	Unrestricted	Yes
Others						
MCD IDS Connection	0	No	1	0	Unrestricted	Yes
MLPP	0	No	1	0	Unrestricted	Yes
Configuration Options						
Country		United Kingdom				
Extended Agent Skill Group		No				
Maximum Elements per Cluster		30				
Maximum Configurable IP Users and Devices		700				
Extended Hunt Group		No				
5560 IPT Device Extended Key Lines		No				

Figure 2 – License and Option Selection

Class of Service Assignment

The Class of Service Options Assignment form is used to create or edit a Class of Service and specify its options. Classes of Service, identified by Class of Service numbers, are referenced by the Station Service Assignment form for the SIP devices.

Many different options may be required for your site deployment, but these are the options that are required to be changed from the default for a Generic SIP Device to work with the MCD.

- HCI/CTI/TAPI Call Control Allowed set to **Yes**
- HCI/CTI/TAPI Monitor Allowed set to **Yes**
- Message Waiting set to **Yes**
- Conference Call set to **Yes**
- Public Network Access via DPNSS set to **Yes**
- Auto Campon Timer is **blanked (no value)**

The screenshot displays the MITEL web interface for configuring Class of Service Options. The top navigation bar includes the MITEL logo, node information ('Node '10.30.32.170' Alarm Status: No Alarm 2014-Mar-04 21:44:40'), and links for 'Message Board | About | Help | Logout'. The main content area is titled 'Class of Service Options' and features a search dropdown and a 'Show form on' dropdown set to 'Not Accessible'. A left-hand navigation menu lists various system components, with 'Class of Service Options' currently selected. The main panel shows a table of Class of Service Numbers (1-9) with their respective comments. Below the table, the configuration for Class of Service Number 4 is displayed, showing a list of options and their values.

Class Of Service Number	Comment
1	
2	
3	
4	Multiline Sets
5	VM Ports
6	
7	
8	
9	

Option	Value
Class Of Service Number	4
Comment	Multiline Sets
ACD	
ACD Agent Behavior on No Answer	Logout
ACD Agent No Answer Timer	15
ACD Make Busy on Login	No
ACD Silent Monitor Accept	No
ACD Silent Monitor Allowed	No
ACD Silent Monitor Notification	No
Follow 2nd Alternate Reroute for Recall to Busy ACD Agent	No
Work Timer	0
Announce	
Call Announce Line	No
Off-Hook Voice Announce Allowed	No
Handsfree AnswerBack Allowed	No
Busy Override	
Busy Override Security	No
Disable Executive Busy Override Tone	No
Executive Busy Override	Yes
Call Control Timer	
Busy Tone Timer	30
Dialing Conflict Timer	3
First Digit Timer	15
Inter Digit Timer	10
Lockout Timer	45
Call Duration	

Figure 3 – Class of Service

SIP Device Capabilities Assignment

This form provides configuration options that can be applied to various types of SIP devices. The association between the SIP device and the form is similar to how the Class of Service options work. The SIP Device Capabilities number provides a SIP profile that can be applied to particular SIP devices to allow for alternate capabilities as recommended through the Mitel interop process.

Ascom i62 is recommended to use the predefined SIP Device Capabilities number 69

The screenshot displays the Mitel SIP Device Capabilities configuration interface. At the top, the Mitel logo and system status are visible. The main area shows a table of SIP Device Capabilities:

ID	Name
64	Generic SIP
65	5603 SIP
66	5604 SIP
67	5607 SIP
68	5610 SIP
69	5624 SIP
70	5505 SIP
71	UC Endpoint

Below the table, the configuration for the selected ID (69) is shown. The 'SIP Device Capabilities Number' is set to 69, and the 'Comment' is '5624 SIP'. The 'Call Routing and Administration Options' section includes:

- Outbound Proxy Server: No Yes
- Replace System based with Device based In-Call Features: No Yes
- Allow MWI Notifications without Subscription: No Yes
- Enable Digit Collection In Busy Or Alerting State: No Yes

Figure 4 – SIP Device Capabilities

User and Device Configuration

On the Mitel MCD, a SIP device can be programmed in the User Configuration form or the Multiline IP Set Configuration form and are programmed as a “Generic SIP Phone”. If Resiliency is required, select the Secondary Element from the drop down box.

The screenshot displays the Mitel MCD interface for configuring a user and device. The top navigation bar includes the Mitel logo, node information, alarm status, and utility links. The left sidebar lists various configuration categories, with 'Users and Devices' expanded to show 'User and Device Configuration'. The main content area is titled 'User and Device Configuration' and features a search bar and a 'Show form on' dropdown. Below this, there are buttons for 'Add', 'Change', 'Copy', and 'Delete', along with 'Print...', 'Import...', 'Export...', and 'Data Refresh'. The current configuration is for a user with Number: 4644, Name: i62 4644, Hot Desking User: No, and Device Type: Generic SIP Phone. The 'Profile' tab is active, showing the 'User Profile' section with fields for Last Name (i62 4644), First Name, Department, Location, Role (No Role), Language (English), Email, and Location. The 'Service Profile' section includes fields for Number (4644), Directory Name (i62 4644), Hot Desking User (checkbox), Prime Name (radio buttons for No/Yes), Privacy (radio buttons for No/Yes), Service Level (Full), Local-only DN (checkbox), ACD Enabled (checkbox), Home Element, and Secondary Element (Not Assigned).

Figure 5 – User and Device Configuration – Profile Tab

Enter the Class of Service number and SIP Device Capabilities previously configured in the Service Details tab.

The screenshot shows the MITEL User and Device Configuration interface. The top navigation bar includes the MITEL logo, node information ('10.30.32.170'), alarm status ('No Alarm 2014-Feb-24 17:06:17'), and links for 'Record Changed Success!', 'Message Board', 'About', 'Help', and 'Logout'. The left sidebar contains a tree view of configuration categories, with 'Users and Devices' expanded to show 'User and Device Configuration'. The main content area is titled 'User and Device Configuration' and includes a search bar with 'DN to search' and a 'Show form on' dropdown set to 'Not Accessible'. Below the search bar, there are buttons for 'Add', 'Change', 'Copy', 'Delete', 'Print...', 'Import...', 'Export...', and 'Data Refresh'. The current configuration is for 'Number: 4644', 'Name: i62 4644', 'Hot Desking User: No', and 'Device Type: Generic SIP Phone'. The 'Service Details' tab is active, displaying a table for 'Class of Service' with columns for 'Day', 'Night 1', and 'Night 2'. Other fields include 'Class of Restriction', 'External Hot Desking Enabled', 'External Hot Desking Dialing Prefix', 'External Hot Desking Number', 'Personal Speedcall Allocation', 'SIP Device Capabilities', 'Interconnect Number', 'Tenant Number', 'Lock Default Configuration', 'Max Call History Records', 'Non-Busy Extension', and 'Call Coverage Service Number'.

	Day	Night 1	Night 2
Class of Service	4	4	4
Class of Restriction	1	1	1
External Hot Desking Enabled	<input checked="" type="radio"/> No <input type="radio"/> Yes		
External Hot Desking Dialing Prefix	[Greyed out]		
External Hot Desking Number	[Greyed out]		
Personal Speedcall Allocation	10		
SIP Device Capabilities	69		
Interconnect Number	1		
Tenant Number	1		
Lock Default Configuration	<input checked="" type="radio"/> No <input type="radio"/> Yes		
Max Call History Records	[Greyed out]		
Non-Busy Extension	<input checked="" type="radio"/> No <input type="radio"/> Yes		
Call Coverage Service Number	1		

Figure 6 – User and Device Configuration – Service Details Tab

The Login PIN is the SIP authentication password and the username is the DN. The Number and Login PIN must match the information in the Ascom i62 User Configuration.

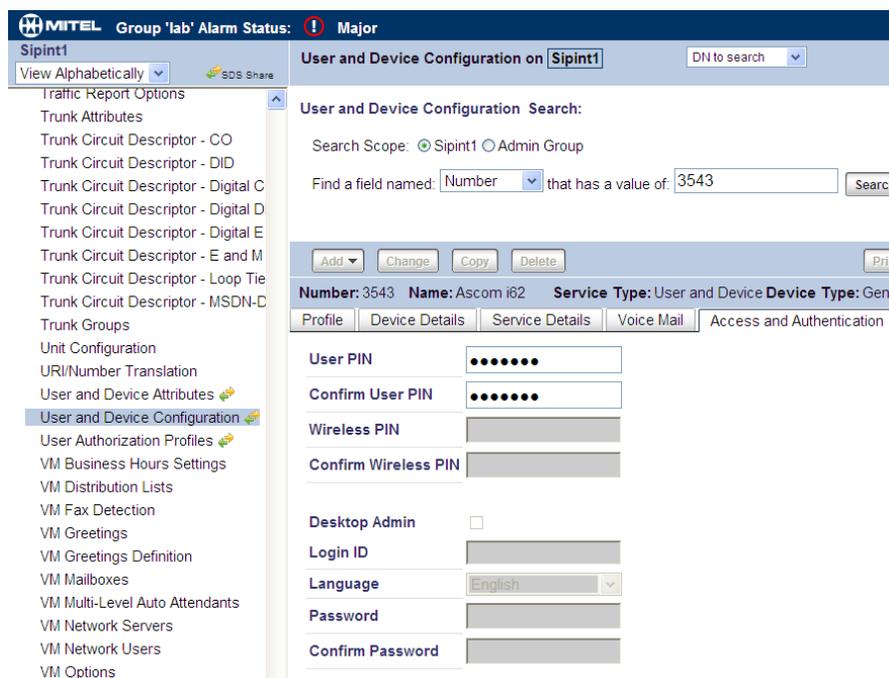


Figure 7 – Multiline IP Set Configuration – Access and Authentication Tab

You use the Keys tab in the User and Device Configuration to assign the line type, ring type, and directory number to each line selected on the Ascom i62 device. The Ascom i62 must be programmed with 2 lines to allow Device based In-Call Features.

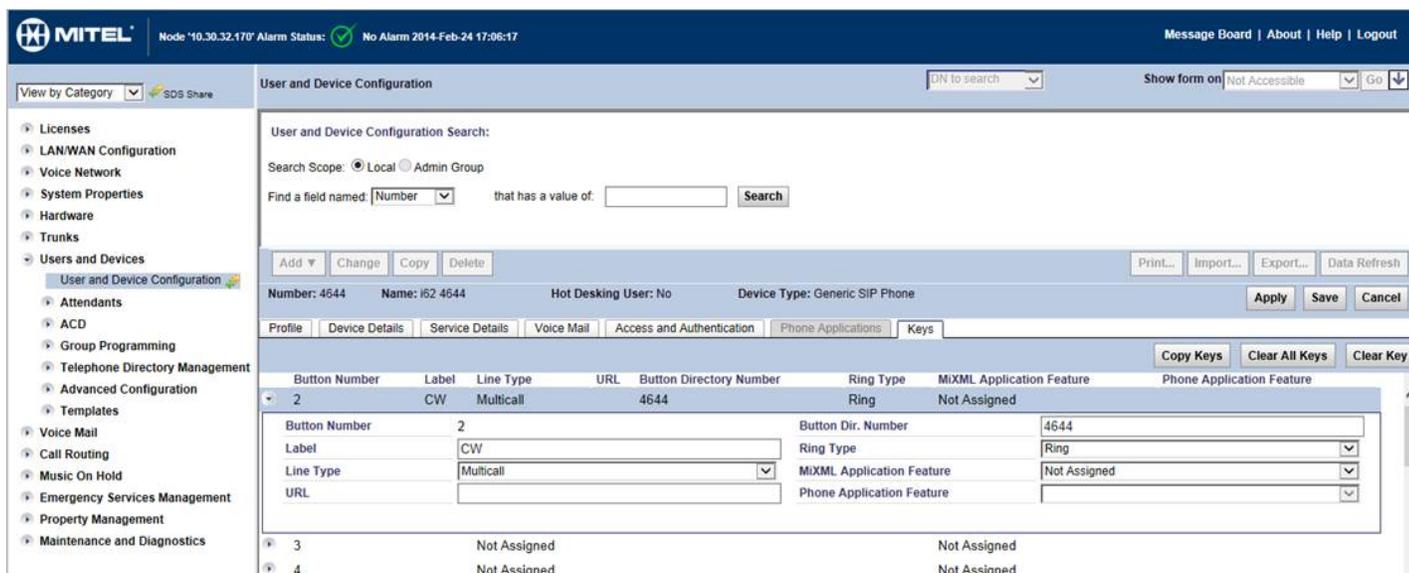


Figure 8 – Multiline Set Key Assignment

Reroute Assignment

Mitel recommends that call forwarding is programmed using the Call rerouting forms of the MCD. Call forwarding programmed from the Ascom i62 has also been tested but we suggest that administrators use Call Rerouting.

Call Rerouting is configured at the system to allow for extensions to forward on different conditions to different extensions, i.e. forward to voicemail when no answer. The following is a description how to configure call rerouting and does not necessarily show how this Ascom i62 was programmed.

Program the Call Rerouting First Alternative Assignment form with the destination of the call forwarding and the options (Normal, This, Last). Please see the MCD help files for more info.

There is also a Call Rerouting Second Alternative Assignment form for more complicated forwarding needs.

Call Rerouting First Alternative Assignment									
First Alternative Number	Busy / DND DID	Busy / DND TIE	Busy / DND CO	Busy / DND Int	No Answer DID	No Answer TIE	No Answer CO	No Answer Int	Directory Number
1	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
2	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
3	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
4	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
5	This	This	This	This	This	This	This	This	6950
6	This	This	This	This	This	This	This	This	6900
7	Normal	Normal	Normal	Normal	This	This	This	This	6900
8	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
9	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
10	This	This	This	This	This	This	This	This	6513
11	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
12	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
13	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
14	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	
15	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	

Figure 9 – Call Rerouting Alternative Assignment

If any Call Forwarding Always is required then the Call Rerouting Always Alternative Assignment form would need to be programmed.

Call Rerouting Always Alternative Assignment					
Always Alternative Number	Originating Device DID	Originating Device TIE	Originating Device CO	Originating Device INT	Directory Number
1	No Reroute	No Reroute	No Reroute	No Reroute	
2	No Reroute	No Reroute	No Reroute	No Reroute	
3	No Reroute	No Reroute	No Reroute	No Reroute	
4	No Reroute	No Reroute	No Reroute	No Reroute	
5	No Reroute	No Reroute	No Reroute	No Reroute	
6	No Reroute	No Reroute	No Reroute	No Reroute	
7	No Reroute	No Reroute	No Reroute	No Reroute	
8	No Reroute	No Reroute	No Reroute	No Reroute	
9	No Reroute	No Reroute	No Reroute	No Reroute	
10	Reroute	Reroute	Reroute	Reroute	6513
11	No Reroute	No Reroute	No Reroute	No Reroute	
12	No Reroute	No Reroute	No Reroute	No Reroute	
13	No Reroute	No Reroute	No Reroute	No Reroute	
14	No Reroute	No Reroute	No Reroute	No Reroute	
15	No Reroute	No Reroute	No Reroute	No Reroute	

Figure 10 – Call Rerouting Always Alternative Assignment

Use the Alternative Numbers from the previous forms and fill out the Call Rerouting Assignment form for the Ascom i62 programmed extension.

Call Rerouting Assignment						
Number	Call Rerouting - Day	Call Rerouting - Night1	Call Rerouting - Night2	Call Rerouting DND Type	Call Rerouting - 1st Alt.	Call Rerouting - 2nd Alt.
6100	1	1	1	All	1	1
6101	1	1	1	All	1	1
6102	1	1	1	All	1	1
6300	1	1	1	All	7	1
6301	1	1	1	All	7	1
6302	1	1	1	All	7	1
6303	1	1	1	All	7	1
6305	1	1	1	All	7	1
6306	1	1	1	All	1	1
6511	1	1	1	All	1	1
6512	1	1	1	All	1	1
6513	1	1	1	All	1	1
6521	1	1	1	All	1	1
6522	1	1	1	All	1	1
6523	1	1	1	All	1	1
6541	1	1	1	All	1	1
6542	1	1	1	All	10	1
6570	1	1	1	All	1	1
6580	1	1	1	All	1	1
6590	1	1	1	All	1	1

Figure 11 – Call rerouting Assignment

Ascom i62 Configuration Notes

Configuration notes below cover necessary settings to log in an Ascom i62 to a WiFi network and MCD. For additional configuration of Ascom i62 functionality refer to “Configuration Manual Ascom i62 VoWiFi Handset”.

The Portable Device Manager (PDM) is used for administration and programming of the i62 WiFi handsets and exists in two versions, the *PDM Windows version* and the *PDM System version*.

Below note describes configuration with PDM Windows version. All settings and updates are in this case done via the DP1 Desktop Programmer for i62.

The following steps show how to program the Ascom i62 WiFi phone to interconnect with the MCD MCD. In the Start menu, select All Programs > Ascom WinPDM > Ascom WinPDM.

1. Navigate to File > Site Management
2. In Site Management window, click New button and enter the site details as it is shown on Figure 12.

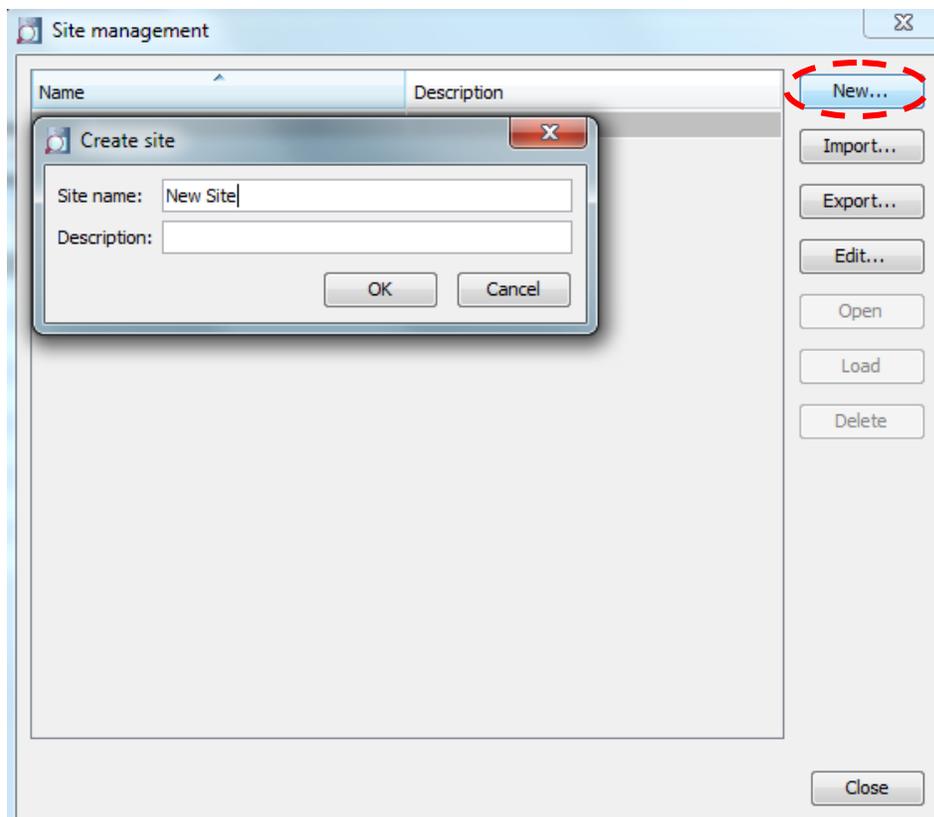


Figure 12 – Create new site

3. Import the package containing the definition file and the software, File>File Management

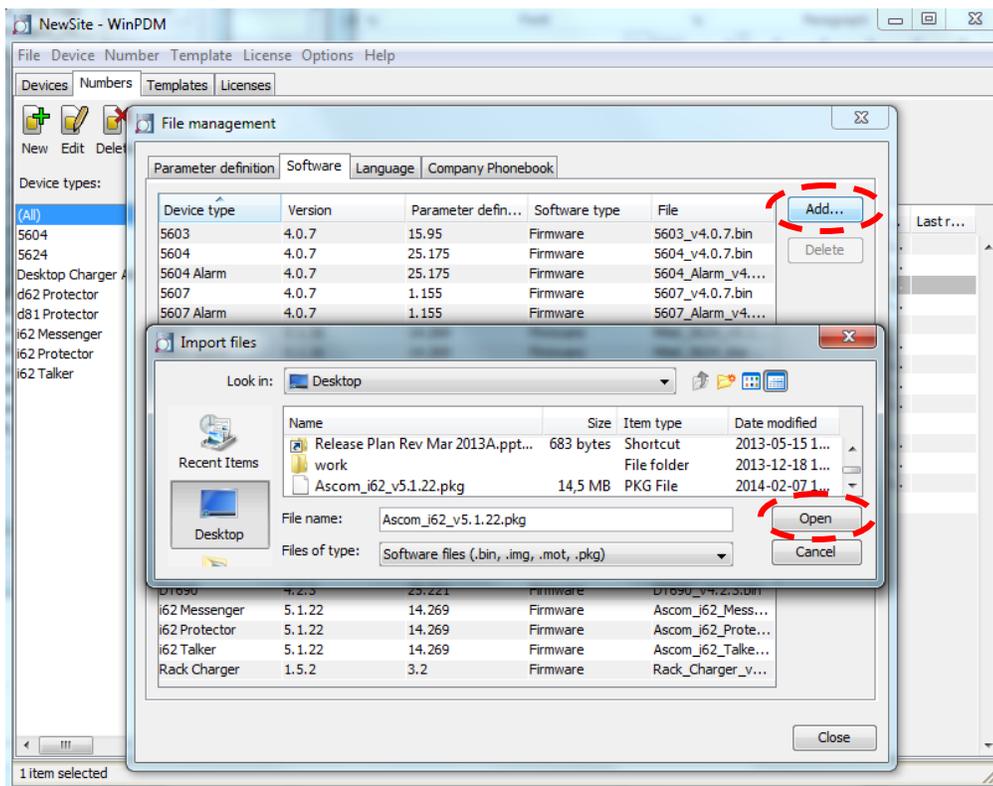


Figure 13 – Add new package

4. Click Numbers tab and then click New button. Enter the handset number, which matches the number created in the Mitel MCD, and ensure that Device type is correct (see Figure 14).

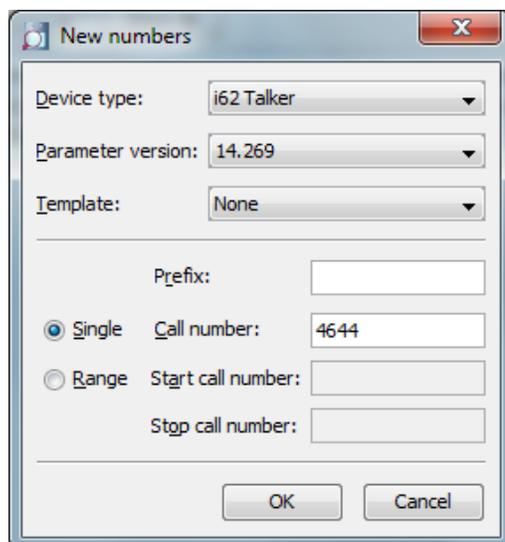


Figure 14 – Add new number

5. Insert Ascom i62 WiFi phone into USB cradle. As soon as new device is detected by USB port, the New Device Wizard window will popup offering to “Associate this handset with number”, “Run template” or “Do nothing”. Select “Associate this handset with number” and then select the number that you have just added (see Figure 15).

The prompt to enter user name and password should appear on the phone’s screen. Since this phone has not been configured yet, leave it for now.

NOTE: The new configuration settings will come into effect as soon as you remove the handset from USB cradle.

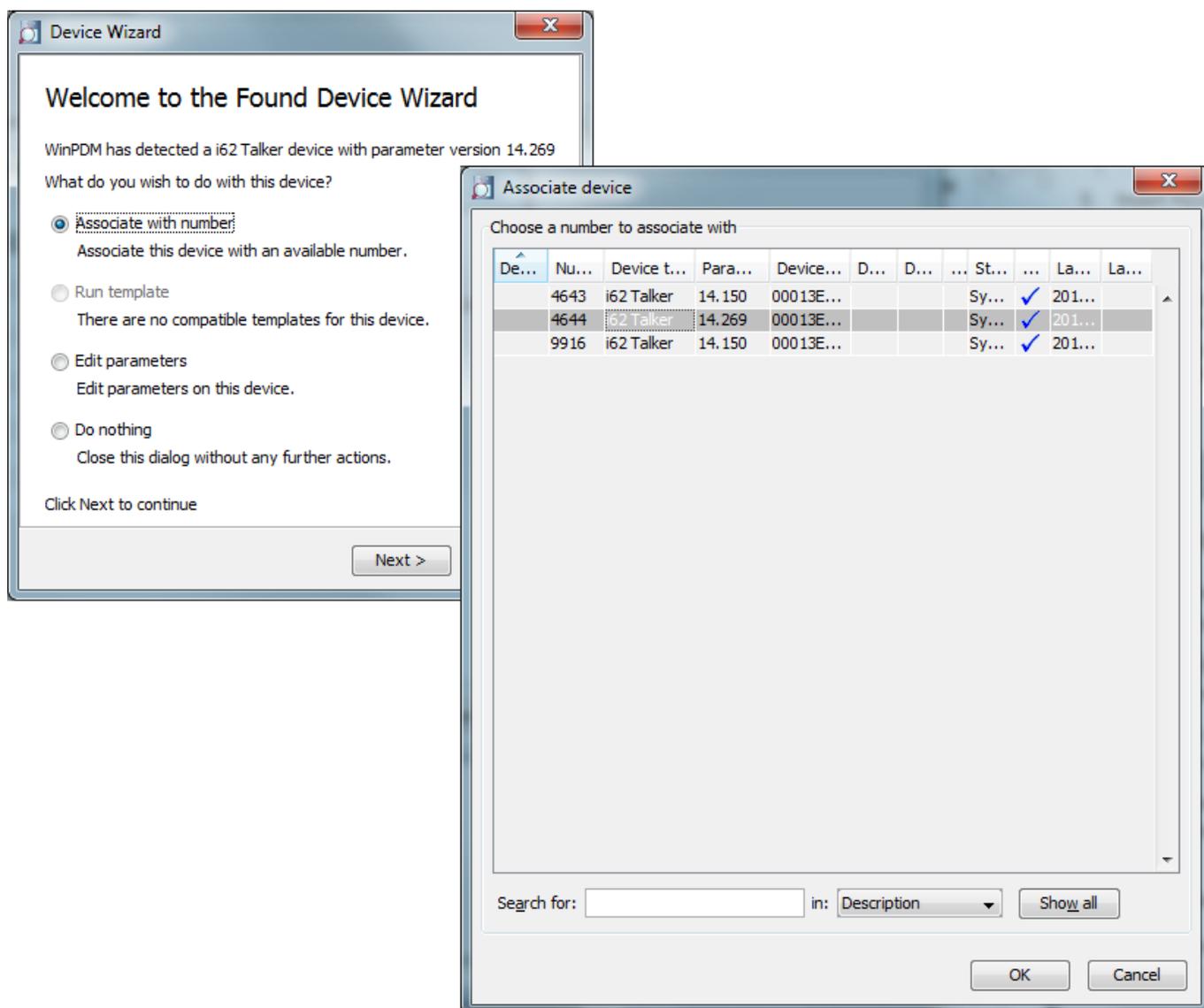


Figure 15 – Associate number with device

6. Click again Numbers tab and right click on the number in right hand pane. Select Edit.

NOTE: Alternatively, you can select the number in the right hand pane and then click “Edit” button at the tab’s top.

7. In Edit Parameters screen, collapse System node and select system A. Configure the highlighted parameters (see Figure 16).

NOTE: In our test environment we have chosen to use “DHCP mode” and leave the default IP settings intact.

NOTE: The setting for “SSID” must match exactly the one configured in your wireless access point. (See next section as an example).

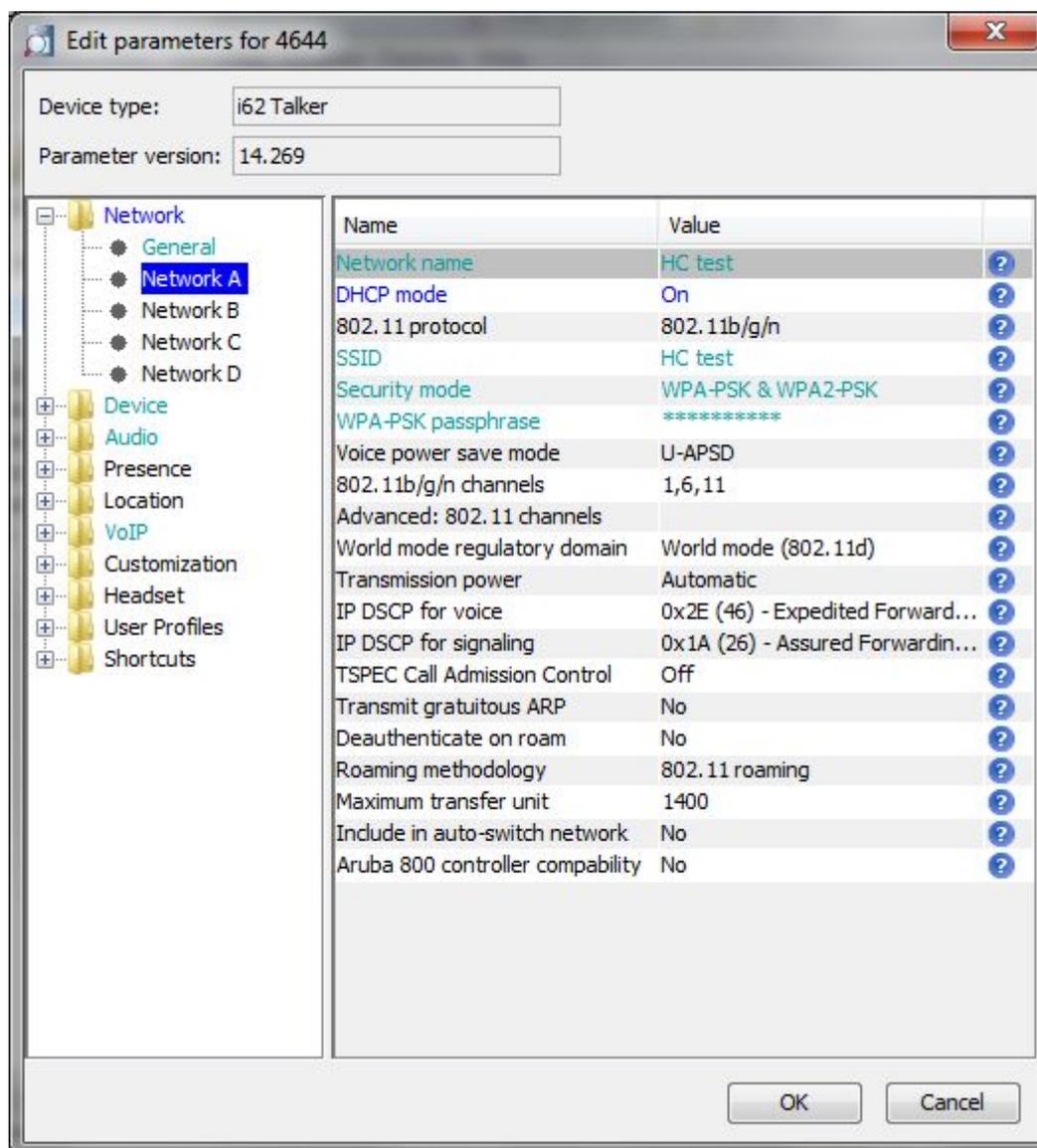


Figure 16 – Network Settings

- In Edit Parameters screen, expand VoIP node and click General. Select SIP as the VoIP protocol and ensure that the Codec configuration conforms to your Network deployment.

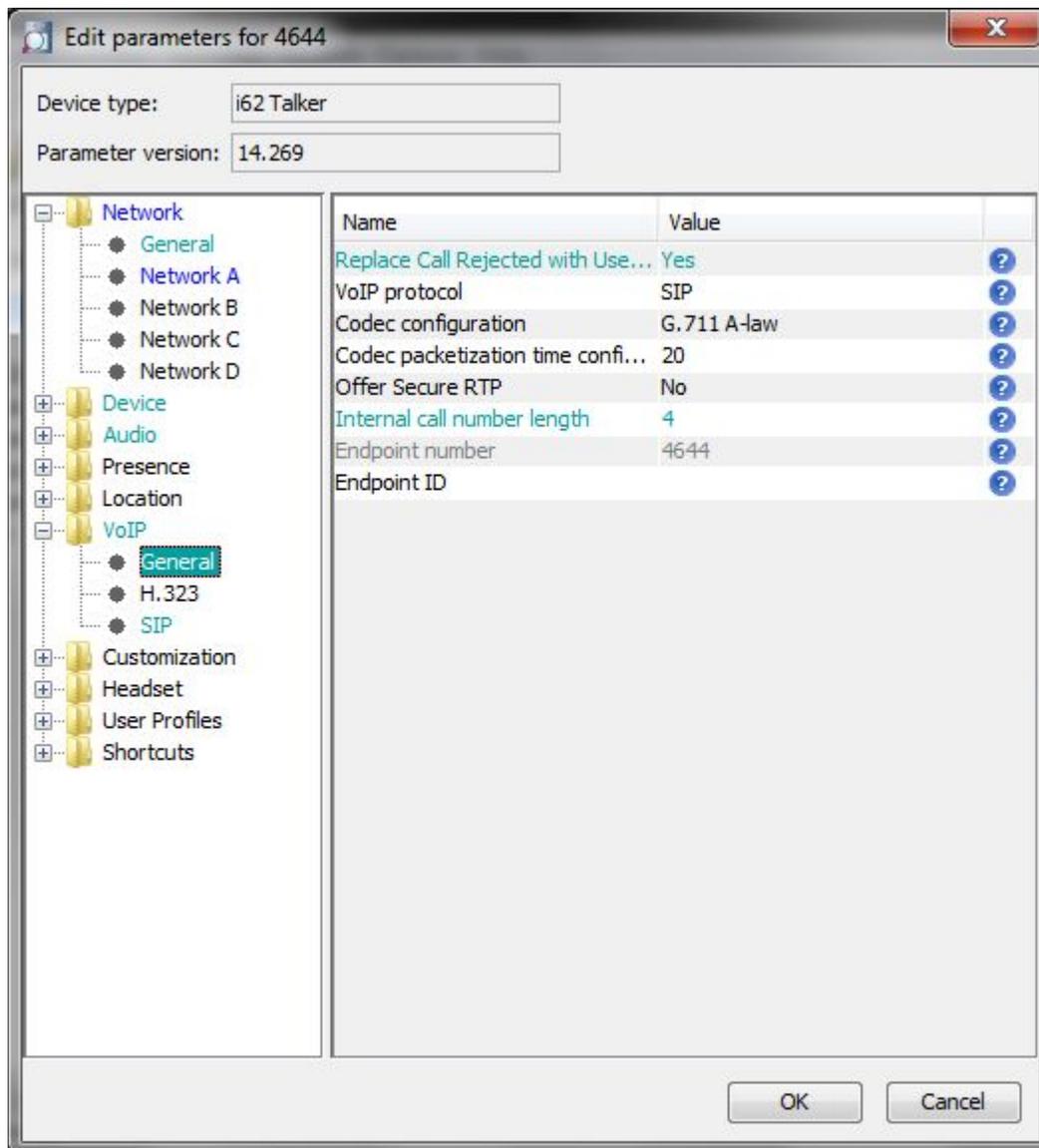


Figure 17 – VoIP: General

In left hand pane, click VoIP and then SIP. Enter the IP address/FQDN of the Mitel MCD. If Resiliency is being used, enter the IP address/FQDN of the secondary MCD. Enter the password of the device as previously configured on the MCD in the 'SIP proxy password' field. Ensure that the Registration identity and Authentication identity are Endpoint ID. Set the Hold type to Send Only as shown below.

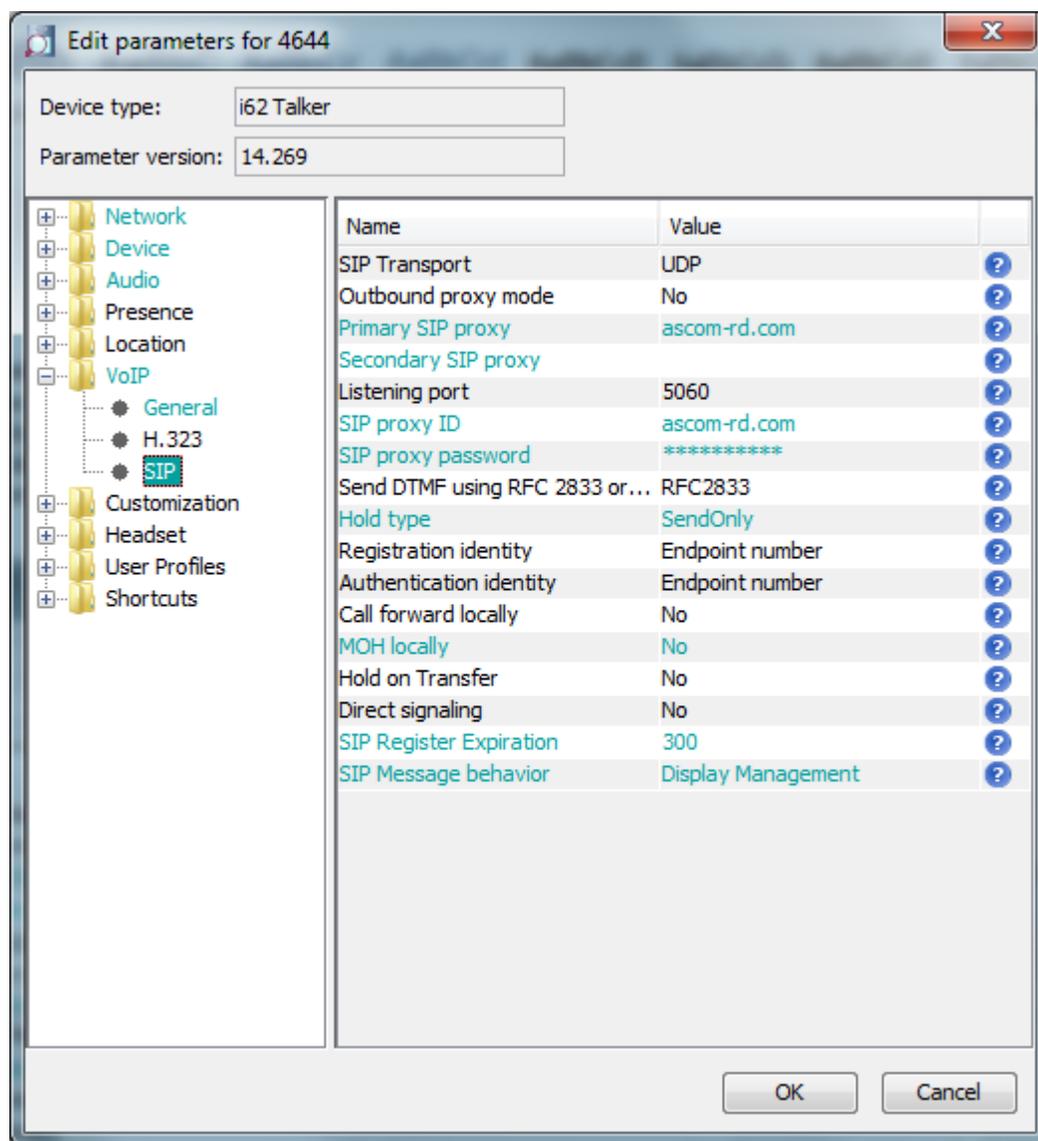


Figure 18 – VoIP: SIP settings for Bronze Resiliency

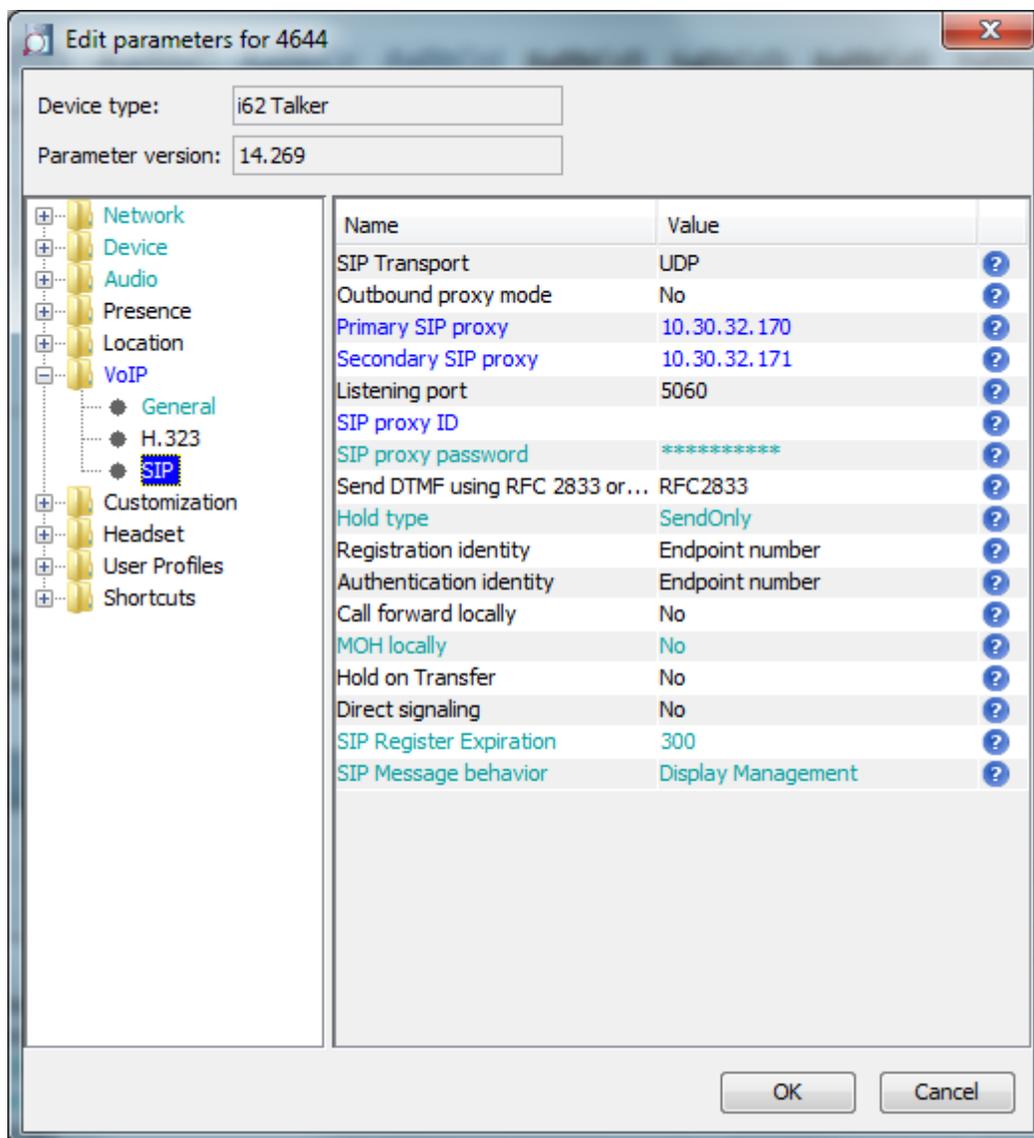


Figure 19 – VoIP: SIP settings for Silver Resiliency

9. In left hand pane, click Device and then Message Centre. The “Message Centre number” is required in order the handset to send SUBSCRIBE message to the MCD (needed for MWI). Enter the extension of the Voice Mail in both the “Message Centre number” and the “Voice mail number”.

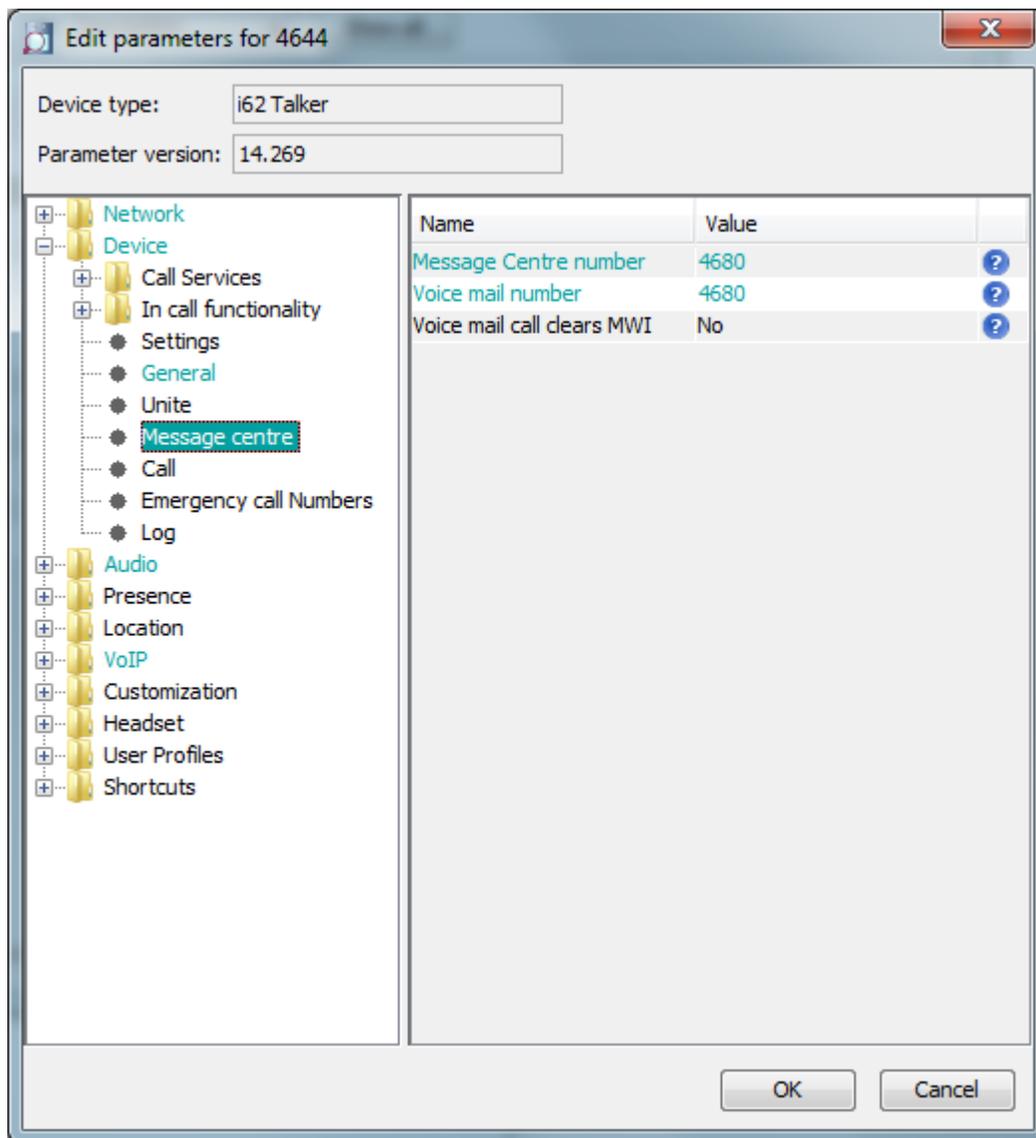


Figure 20 – Device settings: Message Centre



Global Headquarters	U.S.	EMEA	CALA	Asia Pacific
Tel: +1(613) 592-2122 Fax: +1(613) 592-4784	Tel: +1(480) 961-9000 Fax: +1(480) 961-1370	Tel: +44(0)1291-430000 Fax: +44(0)1291-430400	Tel: +1(613) 592-2122 Fax: +1(613) 592-7825	Tel: +852 2508 9780 Fax: +852 2508 9232

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