



## **Avaya Solution & Interoperability Test Lab**

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# **Application Notes for IPC UnigyV2 with Avaya Modular Messaging 5.2 and Avaya Aura® Communication Manager 6.2 in a Centralized Messaging Environment using QSIG Trunks – Issue 1.0**

## **Abstract**

These Application Notes describe the configuration steps required for IPC UnigyV2 to interoperate with Avaya Modular Messaging 5.2 and Avaya Aura® Communication Manager 6.2 in a centralized messaging environment using QSIG trunks to Avaya Aura® Communication Manager.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

# 1. Introduction

These Application Notes describe the configuration steps required for IPC UnigyV2 to interoperate with Avaya Modular Messaging 5.2 and Avaya Aura® Communication Manager 6.2 in a centralized messaging environment using QSIG trunks to Avaya Aura® Communication Manager.

IPC UnigyV2 is a trading communication solution. In the compliance testing, IPC UnigyV2 used E1 QSIG trunks to Avaya Aura® Communication Manager, for IPC turret users to obtain voice messaging services from Avaya Modular Messaging. E1 QSIG trunks were used from IPC UnigyV2 to Avaya Aura® Communication Manager, and T1 QSIG trunks were used from Avaya Aura® Communication Manager to reach Avaya Modular Messaging. The Avaya Modular Messaging system in the Central site supported local subscribers from Avaya Aura® Communication Manager at the Central site, and from IPC turret users at the Remote site.

## 2. General Test Approach and Test Results

The feature test cases were performed manually. Calls were manually established among IPC turret users with Avaya SIP, Avaya H.323, PSTN users, and/or the Avaya Modular Messaging voicemail pilot to verify various call scenarios. The Avaya Modular Messaging Web Subscriber Options web-based interface was used to configure subscriber features such as Call Me.

The serviceability test cases were performed manually by disconnecting and reconnecting the E1 connection to IPC UnigyV2.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

### 2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing.

The feature testing included subscriber login, greeting, voice message, message waiting indicator, call forward, multiple call forward, personal operator, auto attendant, find me, call me, call sender, and transfer.

The serviceability testing focused on verifying the ability of IPC UnigyV2 to recover from adverse conditions, such as disconnecting/reconnecting the E1 connection to IPC UnigyV2.

## 2.2. Test Results

All test cases were executed. The following were the observations on IPC UnigyV2 from the compliance testing.

- IPC does not offer the Coverage feature, therefore coverage to voicemail for the turret users was accomplished by setting the Modular Messaging pilot number as the Call Forwarding destination for the users.
- For all multiple call forward scenarios involving calls forwarded to the called party's forward-to extension and then covered subsequently to Modular Messaging based on the coverage setting at the forward-to extension, the greeting for the forward-to party will be played instead of the original called party due to the called number not being passed by IPC for diverted calls.

## 2.3. Support

Technical support on IPC UnigyV2 can be obtained through the following:

- **Phone:** (800) NEEDIPC, (203) 339-7800
- **Email:** [systems.support@ipc.com](mailto:systems.support@ipc.com)

### 3. Reference Configuration

As shown in the test configuration below, IPC UnigyV2 at the Remote Site consisted of the Media Manager/Converged Communication Manager, Media Gateway, and Turrets. E1 QSIG trunks were used from IPC UnigyV2 to Avaya Aura® Communication Manager, and T1 QSIG trunks were used from Avaya Aura® Communication Manager to Avaya Modular Messaging. In the test configuration, QSIG allowed IPC turret users at the Remote Site to “cover” to Avaya Modular Messaging at the Central site for voice messaging services.

The Avaya Aura® Session Manager was used in the configuration to support Avaya SIP endpoints, and the configuration of Avaya Aura® Session Manager was performed via the web interface of Avaya Aura® System Manager. The detailed administration of basic connectivity among Avaya Aura® Communication Manager, Avaya Aura® Session Manager, and Avaya Modular Messaging is not the focus of these Application Notes and will not be described.

The detailed administration of E1 QSIG trunks between Avaya Aura® Communication Manager and IPC UnigyV2, to enable IPC turret users to reach users on Avaya Aura® Communication Manager and on the PSTN, is assumed to be in place with details described in [3]. A five digit Uniform Dial Plan (UDP) was used to facilitate dialing between the Central and Remote sites.

These Application Notes will focus on the additional configuration required to support IPC turret users as local subscribers on Avaya Modular Messaging.

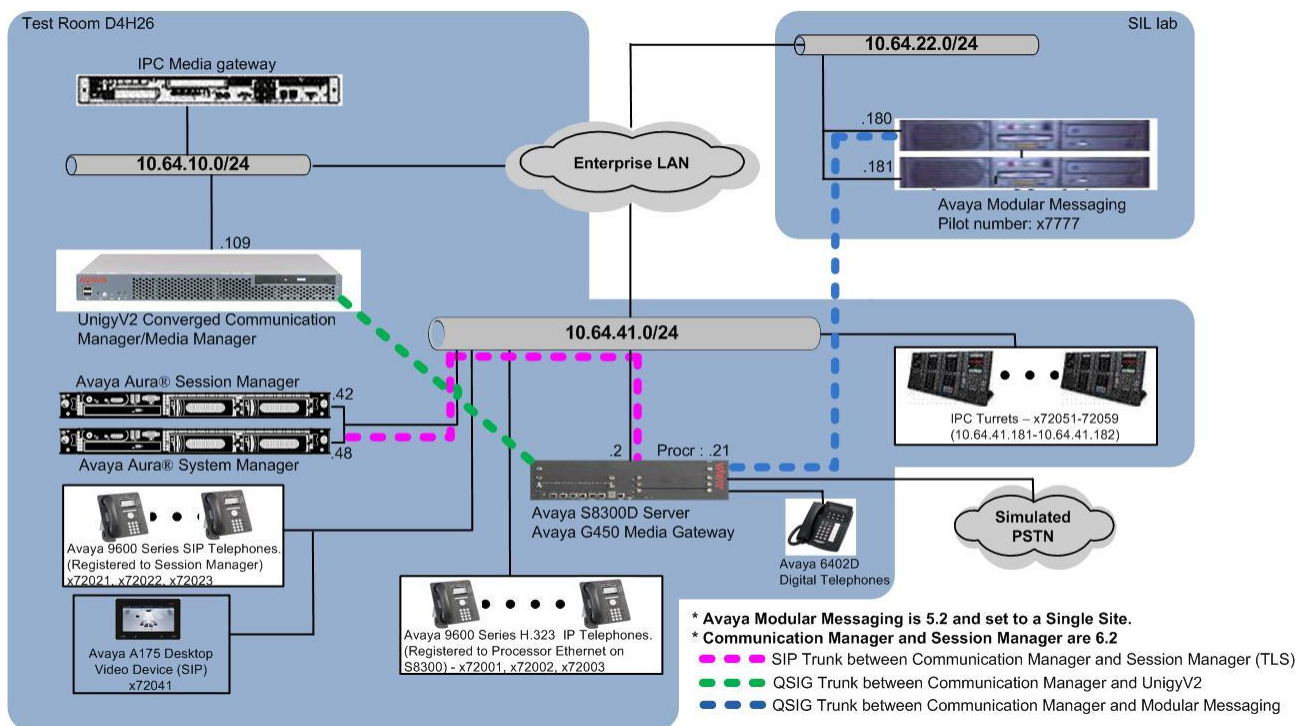


Figure 1: Test Configuration of IPC UnigyV2

## 4. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

Equipment	Software
Avaya Modular Messaging in S3500 Server <ul style="list-style-type: none"><li>Messaging Storage Server</li><li>Messaging Application Server</li></ul>	5.2 SP9 P4 5.2 SP9 P4
Avaya Aura® Communication Manager on Avaya S8300D Server	R016x.02.0.823.0.20001
Avaya G450 Media Gateway <ul style="list-style-type: none"><li>TN464HPDS1 Interface</li></ul>	HW02 FW024
Avaya Aura® Session Manager	6.2.2.0.622005
Avaya Aura® System Manager	6.2.12.202
Avaya A175 Desktop Video Device (SIP)	1.0.2
Avaya 96xx IP Telephone (H.323)	3.1
Avaya 96xx IP Telephone (SIP)	2.6.8
IPC UnigyV2 <ul style="list-style-type: none"><li>Media Manager</li><li>Converged Communication Manager</li><li>Media Gateway</li><li>Turrets</li></ul>	02.00.00.00.1495 02.00.00.00.1495 6.40A.042.004 02.00.00.00.1495

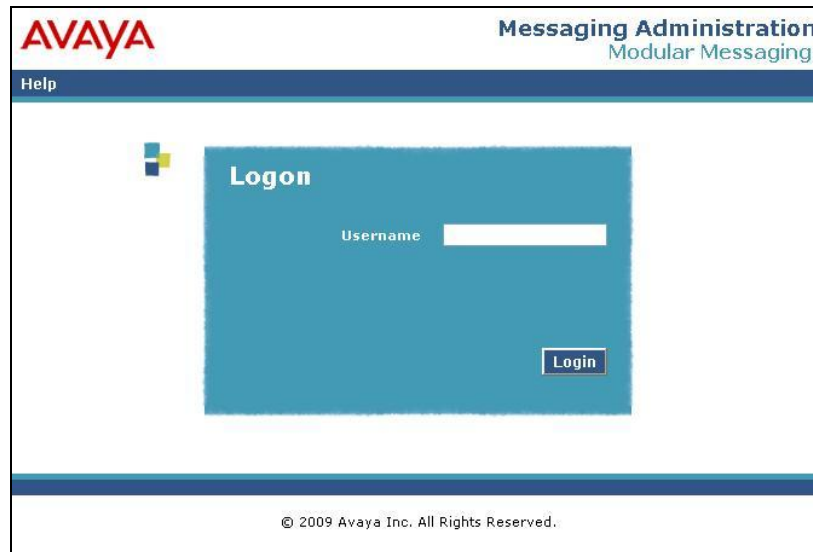
## 5. Configure Avaya Modular Messaging MSS

This section provides the procedures for configuring IPC turret users as local subscribers on Avaya Modular Messaging. The subscriber management is configured on the Messaging Storage Server (MSS) component. The configuration procedures include the following areas:

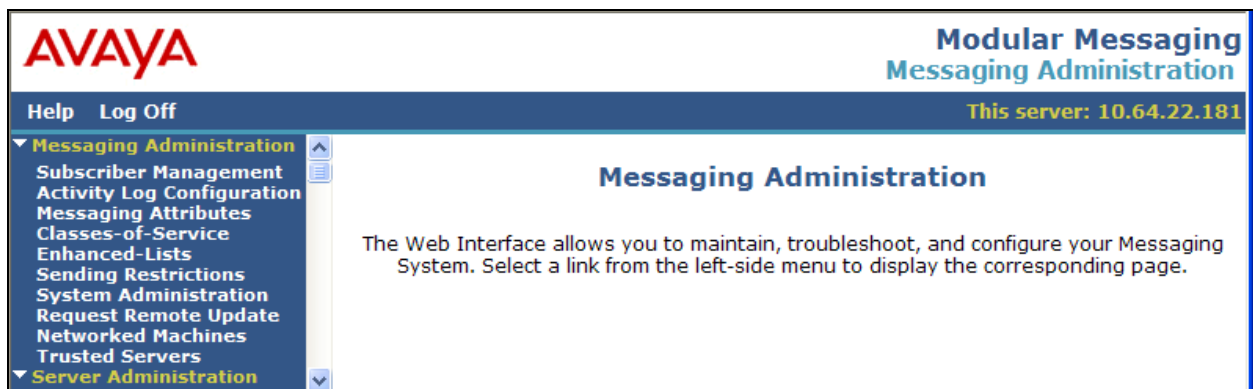
- Launch messaging administration
- Administer subscriber extension ranges
- Administer subscribers

### 5.1. Launch Messaging Administration

Access the MSS web interface by using the URL “http://ip-address” in an Internet browser window, where “ip-address” is the IP address of the MSS server. The **Logon** screen is displayed. Log in using a valid user name and password. The **Password** field will appear after a value is entered into the **Username** field.



The **Messaging Administration** screen appears, as shown below.



## 5.2. Administer Subscriber Extension Ranges


Select **Messaging Administration** → **Networked Machines** from the left pane, to display the **Manage Networked Machines** screen. Select the MSS server from the table listing, and click **Edit the Selected Networked Machine** toward the bottom right of the screen.

The screenshot displays the Avaya Modular Messaging Messaging Administration web interface. The top header shows the Avaya logo and the title 'Modular Messaging Messaging Administration' with the server IP '10.64.22.181'. A left-hand navigation pane lists various administrative tasks under categories like 'Messaging Administration', 'Server Administration', 'IMAP/SMTP Administration', and 'Server Information'. The main content area is titled 'Manage Networked Machines' and contains a table with the following data:

Machine	IP Address	Machine Type	Total Subs
alpinemss1	10.64.22.181	local	18

Below the table, there are several action buttons: 'Display Report of Networked Machines', 'Delete the Selected Networked Machine', 'Add a New Networked Machine', 'Edit the Selected Networked Machine', 'Display Network Snapshot', and 'Display Report of Networked Machine Ranges'. A 'Help' button is located at the bottom left of the main content area.

The **Edit Networked Machine** screen is displayed. Under the **MAILBOX NUMBER RANGES** section, locate an available entry line and enter the desired starting and ending mailbox numbers to be used for the IPC subscribers as necessary.



**Modular Messaging  
Messaging Administration**

[Help](#)   [Log Off](#)

**This server: 10.64.22.181**

▼ **Messaging Administration**

▼ **Server Administration**

▼ **IMAP/SMTP Administration**

▼ **Server Information**

▼ **Subscriber Management**

▼ **Activity Log Configuration**

▼ **Messaging Attributes**

▼ **Classes-of-Service**

▼ **Enhanced-Lists**

▼ **Sending Restrictions**

▼ **System Administration**

▼ **Request Remote Update**

▼ **Networked Machines**

▼ **Trusted Servers**

▼ **Configure Using DCT**

▼ **TCP/IP Network Configuration**

▼ **External Hosts**

▼ **MAS Host Setup**

▼ **MAS Host Send**

▼ **Windows Domain Setup**

▼ **Console Reboot Option**

▼ **Date/Time/NTP Server**

▼ **Syslog Server**

▼ **Modem/Terminal Display**

▼ **Modem/Terminal Configuration**

▼ **Modem/Terminal Removal**

▼ **TCP/IP Service Settings**

▼ **SMTP Options**

▼ **Mail Options**

▼ **IMAP/SMTP Status**

▼ **Server Status**

▼ **Alarm Summary**

▼ **Disk Information**

▼ **Server Notes**

▼ **CMOS Settings**

▼ **RAID Status**

▼ **Rebuild RAID Status**

▼ **Reboot Interval**

## Edit Networked Machine

<u>Machine Name</u>	<input type="text" value="alpinemss1"/>	<u>Password</u>	<input type="password"/>
		<u>Confirm Password</u>	<input type="password"/>
<u>IP Address</u>	<input type="text" value="10.64.22.181"/>	<u>Machine Type</u>	<input type="text" value="tcpip"/>
<u>Mailbox Number Length</u>	<input type="text" value="5"/>	<u>Default Community</u>	<input type="text" value="1"/>
<u>Updates In</u>	<input type="text" value="yes"/>	<u>Updates Out</u>	<input type="text" value="yes"/>
<u>LDAP Port</u>	<input type="text" value="56389"/>	<u>Log Updates In</u>	<input type="text" value="no"/>

**MAILBOX NUMBER RANGES**

<u>Prefix</u>	<u>Starting Mailbox Number</u>	<u>Ending Mailbox Number</u>
<input type="text"/>	<input type="text" value="00000"/>	<input type="text" value="99999"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>



### 5.3. Administer Subscribers

Select **Messaging Administration** → **Subscriber Management** from the left pane, to display the **Manage Subscribers** screen. For the **Local Subscriber Mailbox Number** field toward the top of the screen, enter the first IPC turret user extension to add as a local subscriber, in this case “72051”. Click **Add or Edit**.

The screenshot shows the Avaya Modular Messaging Messaging Administration web interface. The left sidebar contains a navigation menu with categories like Messaging Administration, Server Administration, and IMAP/SMTP Administration. The main content area is titled 'Manage Subscribers'. At the top, there is a form for 'Local Subscriber Mailbox Number' with the value '72051' and an 'Add or Edit' button. Below this is a table with columns: Machine Name, Local Subscriber Mailboxes, Total Subscribers, and Filtered Subscribers. The table lists 'Local Subscribers' (alpinemss1) and 'Remote Subscribers' (internet). Each row has a 'Filter' button and a 'Manage' button. The status bar at the bottom indicates 'This server: 10.64.22.181'.

	<a href="#">Machine Name</a>	<a href="#">Local Subscriber Mailboxes</a>	<a href="#">Total Subscribers</a>	<a href="#">Filtered Subscribers</a>
• Local Subscribers	alpinemss1	17	18	18
• Remote Subscribers	internet		0	0

The **Add Local Subscriber** screen is displayed next. Enter the desired string into the **Last Name**, **First Name**, and **Password** fields.

In the compliance testing, the same telephone extensions for the IPC subscribers were used for the **Mailbox Number**, **Numeric Address**, and **PBX Extension** fields. Select the appropriate **Class Of Service**, and retain the default values in the remaining fields. Repeat this section to add all IPC subscribers.

72051

**AVAYA**

Modular Messaging  
Messaging Administration

Help Log Off This server: 10.64.22.181

**Add Local Subscriber**

**BASIC INFORMATION**  
\* (Required Fields)

*Last Name	Unigy-V2	First Name	72051
*Password	*****	*Mailbox Number	72051
*Numeric Address	72051	PBX Extension	72051
*Class Of Service	0 - class00	*Community ID	1

## 6. Configure IPC Converged Communication Manager

This section provides the procedures for configuring IPC Converged Communication Manager. The procedures include the following areas:

- Launch Unigy Management System
- Administer dial patterns
- Administer route plans
- Administer voicemail buttons

The configuration of Media Manager is typically performed by IPC installation technicians. The procedural steps are presented in these Application Notes for informational purposes.

### 6.1. Launch Unigy Management System

Access the Unigy Management System web interface by using the URL “http://ip-address” in an Internet browser window, where “ip-address” is the IP address of the Media Manager. Log in using the appropriate credentials.

The screen below is displayed. Enter the appropriate credentials. Check **I agree with the Terms of Use**, and click **Login**.

In the subsequent screen (not shown), click **Continue**.



The screenshot shows the login interface for the IPC Unigy Management System. It features a blue square logo with the letters 'IPC' in white. To the right of the logo are two input fields: 'User Name:' and 'Password:'. Below these fields is a checkbox labeled 'I agree with the' followed by a blue underlined link 'Terms of Use'. A 'Login' button is positioned to the right of the checkbox. At the bottom of the form, the following text is displayed: 'IPC Unigy™ Management System', 'Unigy™ Version 02.00.00.00.1495', and '© Copyright 2012 IPC Systems, Inc.'

## 6.2. Administer Dial Patterns

In the subsequent screen, select **Configuration → Sites** from the top menu. The **Sites** information is displayed in the left pane.

Select **Routing → Dial Patterns** in the left pane, to display the **Dial Patterns** screen in the right pane. Click **Add New** in the upper right pane.

Add a new dial pattern for the Modular Messaging pilot number from **Section 3**, and another dial pattern for Modular Messaging that includes the routing prefix from Communication Manager. Note that when a call to an Avaya endpoint covers to Modular Messaging, the divert destination received from Communication Manager will include the routing prefix, which must be configured on Converged Communication Manager.

The following screen showed the dial pattern used during the compliance test. Click **Save** (not shown).

The screenshot displays the UniQy Configuration interface. The top navigation bar includes 'Configuration', 'System Designer', 'Tools', 'About', and 'Help'. The right side of the top bar shows the time '12:29 EDT-0400' and the user 'ipctech'. The main header area shows 'uniqy.' and 'Configuration -> Sites'. On the left, a sidebar menu lists various configuration categories: 'Instance:' (All Instance), 'Site Configuration:' (Location), and 'Location:' (All Locations). Under 'Routing', 'Dial Patterns' is selected and highlighted. The main content area is titled 'Dial Patterns' and contains a table with the following data:

Name	Pattern String	Description	Zone Name
all	*	all	Default Zone 1

Below the table are 'Add New' and 'Delete' buttons. Underneath is a 'Dial pattern Details' section with a 'Properties' tab. The properties are:

- Name: \*
- Zone: \*
- Description: \*
- Pattern String: \*

### 6.3. Administer Route Plans

Select **Routing** → **Route Plans** in the left pane, and click **Add New** (not shown) in the right pane to create a new route plan for each new dial pattern from **Section 6.2**.

The screen is updated with three panes, as shown below. In the **Route Plan** middle pane, enter a descriptive **UI Name** and optional **Description**. For **Calling Party**, enter “\*” to denote any calling party from UnigyV2. For **destination**, enter “\*” to denote any called party from UnigyV2. Select “Forward” for **Action**, and click **Save** (not shown).

The screenshot shows the Unigy Configuration -> Sites interface. The left pane shows the navigation tree with 'Route Plans' selected. The middle pane is titled 'Create New Route Plan' and contains the following fields:

- UI Name: All-QSIG
- Description: All calls QSIG trunk
- Calling Party: \*
- Destination: \*
- Action: Forward
- Instance: Default Instance

The right pane is titled 'Available to Assign' and shows a list of route lists:

Name
TDM Recording_DoNotChange
RL_MG
RL_SI
RL_IP Office
RL_SES

The screen is updated with the newly created route plan. Select the route plan, and click **Edit** toward the bottom of the screen (not shown).

The screenshot shows the Unigy Configuration -> Sites interface. The left pane shows the navigation tree with 'Route Plans' selected. The middle pane is titled 'Route Plan' and contains a table with the following data:

UI Name	Calling Party	Destination	Action	Instance Name
All-QSIG	*	*	FORWARD	Default Instance
all	*	*	FORWARD	Default Instance

Below the table are buttons: Delete, Add New, Revert, and Save Sequence Change. The bottom pane is titled 'Route Plan Details' and contains the following fields:

- Calling Party: \*
- Destination: \*
- Action: FORWARD
- RouteList:

The screen is updated with three panes again, as shown below. In the right pane, select the applicable route list and drag into the **Route List** sub-section in the middle pane, as shown below. Click **Save**.

The screenshot displays the UniQy Configuration -> Sites interface. The top navigation bar includes links for Configuration, System Designer, Tools, About, and Help, along with the time 12:48 EDT-0400 and the user ipctech. The main header shows the UniQy logo and the path Configuration -> Sites, with a 'Powered by' indicator.

The interface is divided into three panes:

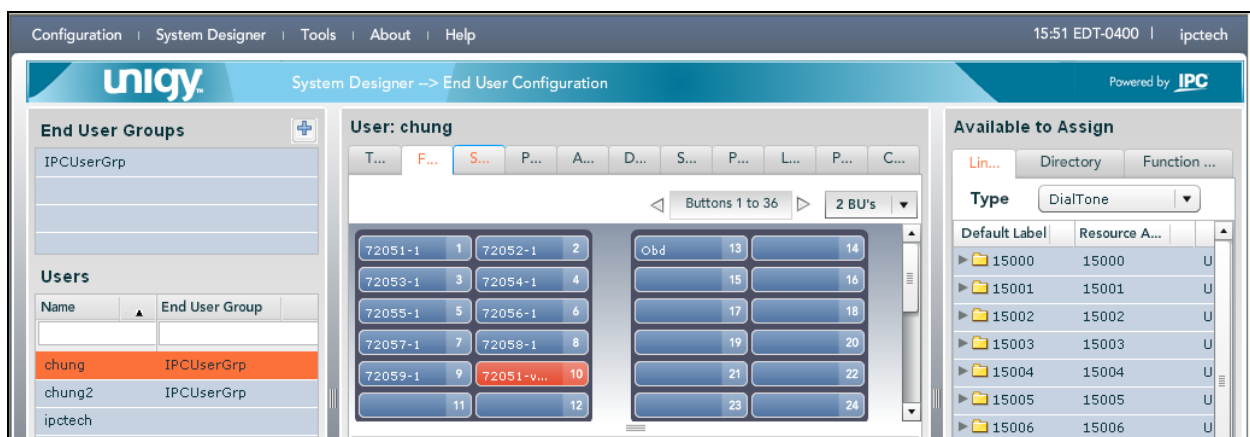
- Left Pane:** Contains a tree view of the configuration hierarchy. The 'Routing' section is expanded, showing 'Trunk Groups', 'Route Lists', 'Dial Patterns', 'Route Plans' (highlighted), 'Trunk Dial Plans', and 'Trunk Dial Plan Rules'.
- Middle Pane:** Titled 'Route Plan', it contains a 'Create New Route Plan' form. The form fields are: 'UI Name' (All-QSIG), 'Description' (All calls to QSIG), 'Calling Party' (\*), 'Destination' (\*), and 'Action' (Forward). Below these is a 'Route List' section with a list box containing 'RL\_MG'. A 'Remove' button is located below the list box. At the bottom of the pane are 'Back', 'Revert', and 'Save' buttons.
- Right Pane:** Titled 'Available to Assign', it shows a list of route lists. The 'Route Lists' tab is selected, and the list includes 'Name', 'TDM Recording\_DoNotChange', 'RL\_MG' (highlighted), 'RL\_SI', 'RL\_IP Office', and 'RL\_SES'.

## 6.4. Administer Voicemail Buttons

Select **System Designer** → **End User Configuration** from the top menu, to display the end user information in the left pane. Select the desired user from the left pane.

In the middle pane, select the **Face Layout** tab.

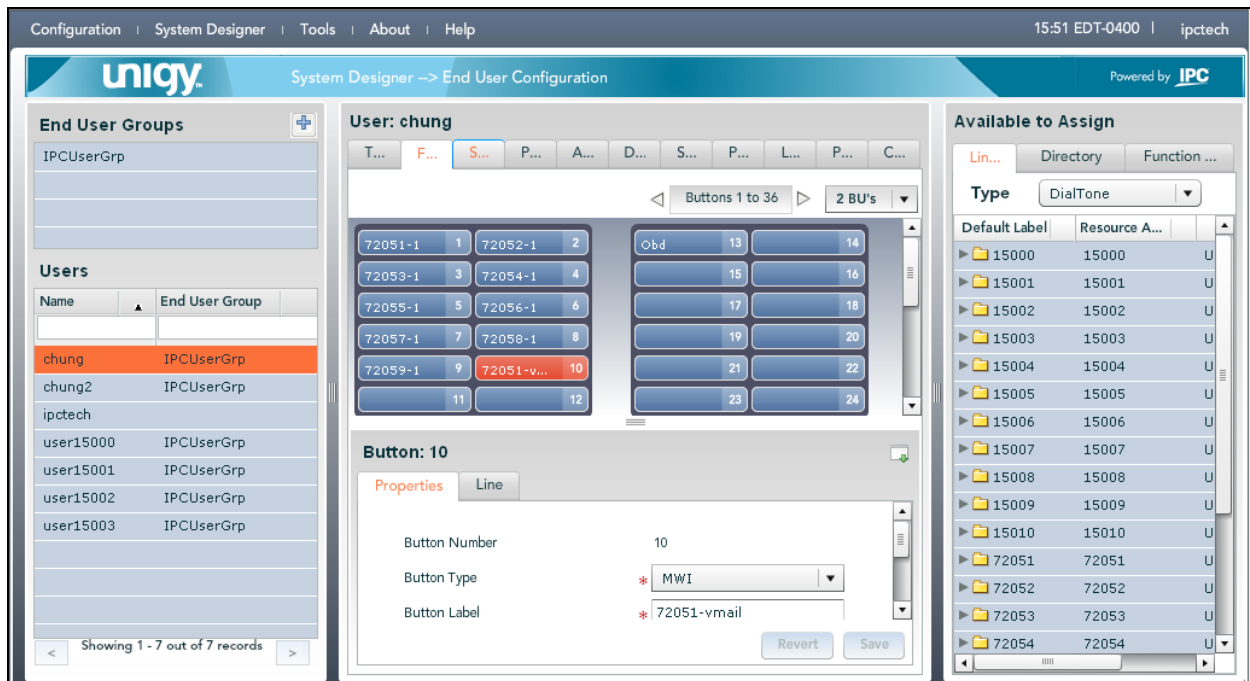
In the right pane, select the **Lines** tab. For **Type**, select “DialTone” from the drop-down list to display a list of available lines. Scroll the pane as necessary to locate and expand the desired turret extension, in this case “72051”. Select the corresponding appearance for the turret extension from the right pane, and drag into an available button in the middle pane, in this case button “10” as shown below.



Select the new button in the upper middle pane, in this case button “10”, to enable the button to be configured in the lower middle pane.

In the lower middle pane, enter the following values for the specified fields, and retain the default values for the remaining fields.

- **Button Type:** “MWI”
- **Button Label:** A descriptive name.
- **NumberToDial:** The Modular Messaging pilot number (not shown).



Repeat this section for all desired users. In the compliance testing two voicemail buttons corresponding to turret subscriber extensions of “72051” and “72052” were created for the two turrets users.



## 7. Configure IPC Media Gateway

This section provides the procedures for configuring IPC Media Gateway. The procedures include the following areas:

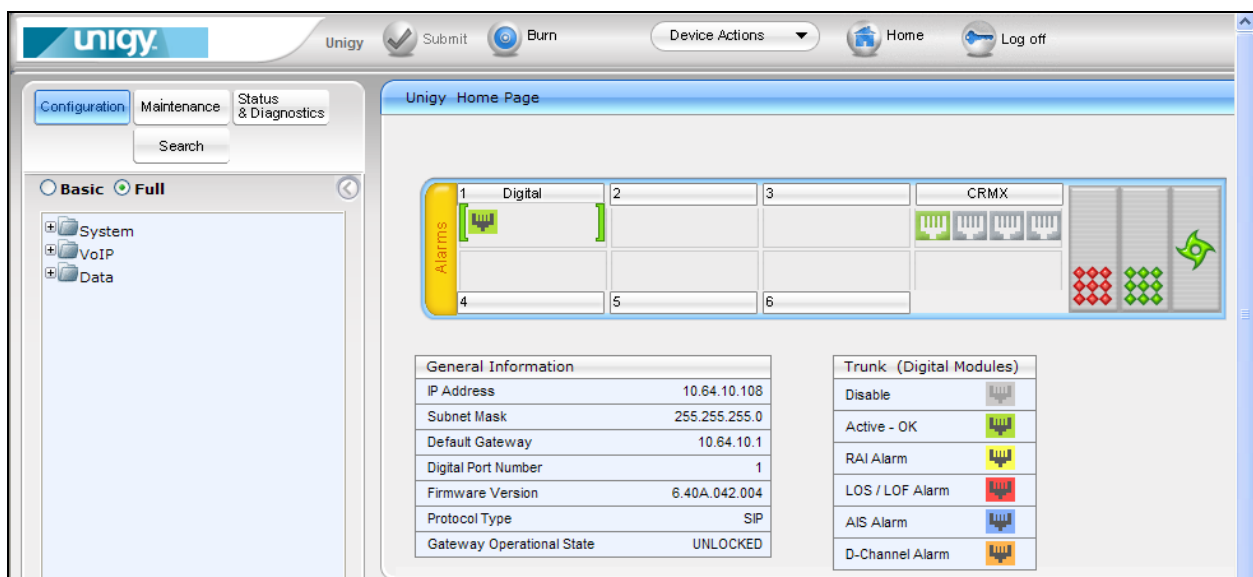
- Obtain network interface name
- Administer media realm
- Administer proxy sets
- Administer IP group
- Administer trunk group settings
- Administer MWI notification

The configuration of the Media Gateway is typically performed by IPC installation technicians. The procedural steps are presented in these Application Notes for informational purposes.

### 7.1. Obtain Network Interface Name

Access the Media Gateway web interface by using the URL “http://ip-address” in an Internet browser window, where “ip-address” is the IP address of the Media Gateway. Log in using the appropriate credentials.

The screen below is displayed. Click the radio button for **Full** in the left pane.



Select **VoIP → Network → IP Settings** to display the **Multiple Interface Table** screen. Note the value of **Interface Name**, in this case “Voice”.

The screenshot shows the Unigy web interface. The left sidebar contains a tree view with the following structure:

- System
  - VoIP
    - Network
      - IP Settings** (selected)
      - IP Routing Table
      - QoS Settings
    - DNS
    - TDM
    - Security
    - PSTN
    - Signaling
    - Media
    - Services
    - Control Network
    - SIP Definitions
    - Coders And Profiles
    - GW and IP to IP
    - IP Media

The main content area is titled "Multiple Interface Table". It includes a note: "Note: Select row index to modify the relevant row." and an "Add Index" button. Below this is a table with the following data:

Index	Application Type	IP Address	Prefix Length	Gateway	VLAN ID	Interface Name
0	<input type="radio"/> OAMP + Media + Control	10.64.10.108	24	10.64.10.1	1	Voice

Below the table, there is a section for "WAN Interface Name" with a value of "Not Configured".

## 7.2. Administer Media Realm

Select **VoIP → Media → Media Realm Configuration** from the left pane to display the **SIP Media Realm Table** screen. Click **Add** button.

In the new index entry line, enter the values shown in the screenshot below. Note that the **Media Realm Name** can be any descriptive name, and the **IPv4 Interface Name** is the network interface name from **Section 7.1**.

The screenshot shows the Unigy web interface for configuring SIP Media Realms. The left sidebar contains a tree view with categories: System, VoIP, Network, TDM, Security, PSTN, Signaling, and Media. Under the Media category, the following options are listed: Voice Settings, Fax/Modem/CID Settings, RTP/RTCP Settings, IPMedia Settings, General Media Settings, Media Realm Configuration (which is selected), and Media Security. The main content area is titled "Media Realm Table" and features an "Add" button. Below the button is a table with the following structure:

Index	Media Realm Name	IPv4 Interface Name	IPv6 Interface Name
1	IPCRrealm	Voice	None

Below the table, there is a pagination control showing "Page 1 of 1" and a "View 1 - 1 of 1" indicator.

### 7.3. Administer Proxy Sets

Select **VoIP → Control Network → Proxy Sets Table** from the left pane to display the **Proxy Sets Table** screen.

For **Proxy Set ID**, select “0”. Set the first **Proxy Address** to the IP address of IPC Media Manager, and set the corresponding **Transport Type** to “UDP”. Retain the default values in the remaining fields.

Repeat the above with **Proxy Set ID** of “1”.

Note that the current release requires both proxy set IDs to be configured.

UniGy

Configuration Maintenance Status & Diagnostics

Search

Basic Full

- System
- VoIP
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  - Security
  - PSTN
  - Signaling
  - Media
  - Services
  - Control Network
    - SRD Table
    - SIP Interface Table
    - IP Group Table
    - Proxy Sets Table
    - NAT Translation Table
  - SIP Definitions
  - Coders And Profiles
  - GW and IP to IP
  - IP Media
- Data

Proxy Sets Table

Proxy Set ID: 0

	Proxy Address	Transport Type
1	10.64.10.109	UDP
2		
3		
4		
5		

Enable Proxy Keep Alive	Disable
Proxy Keep Alive Time	60
Proxy Load Balancing Method	Disable
Is Proxy Hot Swap	No

Submit

## 7.4. Administer IP Group

Select **VoIP** → **Control Network** → **IP Group Table** from the left pane to display the **IP Group Table** screen.

For **Proxy Set ID**, select “1”. For **Media Realm**, select the media realm name from **Section 7.2**. Retain the default values in the remaining fields.

The screenshot displays the UniV2 CM62MM52QQ web interface. The top navigation bar includes the UniV2 logo, a 'Submit' button, a 'Burn' button, a 'Device Actions' dropdown, and links for 'Home', 'Help', and 'Log off'. The left sidebar contains a tree view with categories: Configuration, Maintenance, and Status & Diagnostics. Under Configuration, the 'Basic' tab is selected, and the 'Full' view is shown. The tree view lists various system components, with 'Control Network' expanded to show 'IP Group Table' as the selected item. The main content area is titled 'IP Group Table' and features a 'Basic Parameter List' section. This section contains two expandable tables: 'Common Parameters' and 'Gateway Parameters'. The 'Common Parameters' table includes fields for 'Index' (set to 1), 'Description' (IPC VMail), 'Proxy Set ID' (set to 1), 'SIP Group Name', 'Contact User', 'Domain Name in Contact', 'SRD' (set to 0), 'Media Realm' (set to IPCRealm), and 'IP Profile ID' (set to 0). The 'Gateway Parameters' table includes fields for 'Always Use Route Table' (set to No), 'Routing Mode' (set to Not Configured), and 'SIP Re-Routing Mode' (set to Standard). A 'Submit' button is located at the bottom right of the interface.

Common Parameters	
Description	IPC VMail
Proxy Set ID	1
SIP Group Name	
Contact User	
Domain Name in Contact	
SRD	0
Media Realm	IPCRealm
IP Profile ID	0

Gateway Parameters	
Always Use Route Table	No
Routing Mode	Not Configured
SIP Re-Routing Mode	Standard

## 7.5. Administer Trunk Group Settings

Select **VoIP → GW and IP to IP → Trunk Group → Trunk Group Settings** from the left pane to display the **Trunk Group Settings** screen.

Create a new trunk group entry with the following values for the specified fields.

- **Trunk Group ID:** “1”
- **Channel Select Mode:** “Cyclic Ascending”
- **Registration Mode:** The IP group table index from **Section 7.4**.
- **MWI Interrogation Type:** “Use Result” to enable sending of SIP NOTIFY messages (not shown).

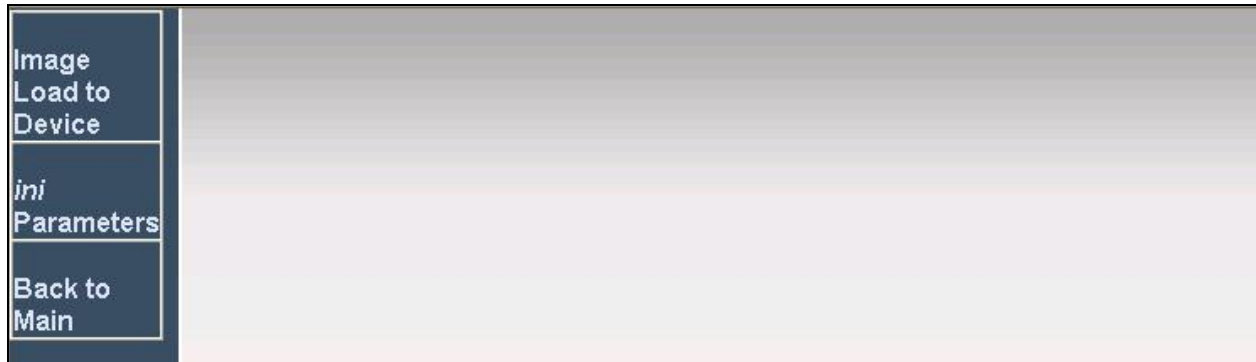
The screenshot shows the Unigy web interface for configuring Trunk Group Settings. The left navigation pane is expanded to 'Full' view, showing a tree structure where 'Trunk Group Settings' is selected under 'GW and IP to IP'. The main content area, titled 'Trunk Group Settings', features a table with 6 rows. The first row is pre-filled with '1' for Trunk Group ID, 'Cyclic Ascending' for Channel Select Mode, and '1' for Serving IP Group ID. The other rows are empty. Below the table are 'Register' and 'Un-Register' buttons. The top of the interface includes a navigation bar with 'Submit', 'Burn', 'Device Actions', 'Home', 'Help', and 'Log off' buttons.

	Trunk Group ID	Channel Select Mode	Registration Mode	Serving IP Group ID	Gateway Name	Contact Use
1	1	Cyclic Ascending		1		
2						
3						
4						
5						
6						

## 7.6. Administer MWI Notification

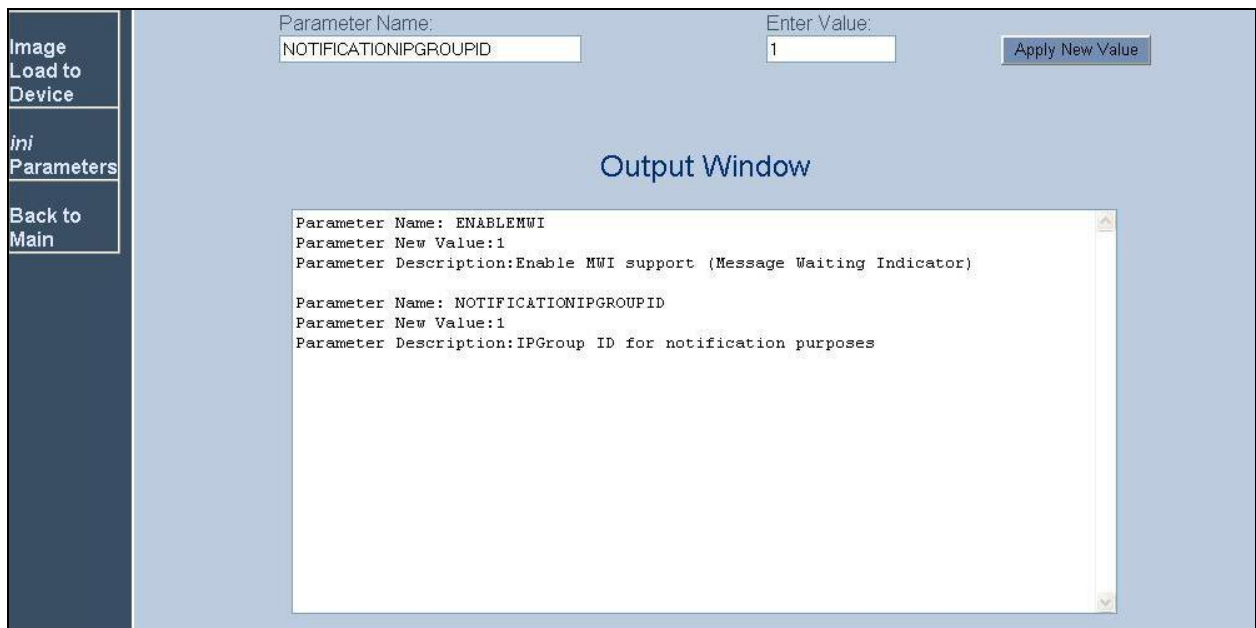
Access the Media Gateway administration page web interface by using the URL “http://ip-address/AdminPage” in an Internet browser window, where “ip-address” is the IP address of the Media Gateway.

The screen below is displayed. Select **ini Parameters**, and enter the appropriate credentials in the pop-up box (not shown).



The screen below is displayed next. Enter “ENABLEMWI” and click **Apply New Value** to verify the Parameter New Value is set to “1” which means MWI is enabled. If it is not enabled, enter “ENABLEMWI” and “1”, then click **Apply New Value** to set the parameter.

Repeat with “NOTIFICATIONGROUPID” as shown below.



## 8. Verification Steps

This section provides the tests that can be performed to verify proper configuration of Avaya Modular Messaging and IPC UnigyV2.

Place a call from an IPC turret user to the Modular Messaging pilot number. Verify that Modular Messaging recognizes the calling party as a local subscriber.

## 9. Conclusion

These Application Notes describe the configuration steps required for IPC UnigyV2 to successfully interoperate with Avaya Modular Messaging 5.2 and Avaya Aura® Communication Manager 6.2 in a centralized messaging environment using QSIG trunks to Avaya Aura® Communication Manager. All feature and serviceability test cases were completed with observations noted in **Section 2.2**.

## 10. Additional References

This section references the product documentation relevant to these Application Notes.

1. *Administering Avaya Aura® Communication Manager*, Document 03-300509, Issue 7.0, Release 6.2, July 2012, available at <http://support.avaya.com>.
2. *Avaya Modular Messaging for the Avaya Message Store Server (MSS) Configuration*, Release 5.2, August 2012, available at <http://support.avaya.com>.
3. *Application Notes for IPC UnigyV2 with Avaya Aura® Communication Manager 6.2 using QSIG Trunks*, Issue 1.0, available at <http://support.avaya.com>.
4. *Unigy V2 1.1 System Configuration*, Part Number B02200187, Release 00, upon request to IPC Support.



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