APmax™

Service Description
Web Portal Service

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Innovative Systems
APmax™

Web Portal Service
Service Description

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## Publication history

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<th>Author</th>
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1. Introduction

1.1 Service Description

The Web Portal Service provides the ability to control and configure enhanced services provided by the Innovative Systems APmax™ over the Internet. The primary purpose is to allow end-user service subscribers to view and change their service settings via a user-friendly web-browser-based interface.

Each subscriber has a Username and Password that they use to access the Web Portal. Once the subscriber successfully logs-in to the Web Portal they will have access to one or more user interfaces that are specifically designed for configuring the service or services to which they are subscribed. The end user can view their current service attribute values and modify those attributes to customize the service to meet their needs. Any configuration changes are transmitted directly to the APmax system and are therefore effective immediately.

In addition to viewing and customizing service settings, subscribers to enhanced services will have access to variety of features, such as the following examples:

- Voice Mail message management
- Incoming and outgoing call management
- Contact lists and address books
- “Click to Call” call origination
- Incoming call routing
- Conferencing (managing active conferences)
- Automated Attendant bulletin boards

1.2 Requirements
1.2.1 Service Provider System Requirements
The APmax service provider system for the Web Portal Service must have
APmax Release 3.0 or greater installed, and must be accessible from the
Internet.

1.2.2 End User Requirements
End users of the Web Portal Service access enhanced service interfaces
through a web browser, and therefore have the following requirements:

- The end user must have an account with an Internet service provider
- The end user must use one of the following operating systems: Microsoft
  Windows Vista, Microsoft Windows 7, Microsoft Windows 8 in desktop
  mode, or Apple Mac OS X
- The end user must access the Web Portal interface from one of the
  following web browsers:
  - Apple Safari
  - Google Chrome
  - Microsoft Internet Explorer 7 or greater
  - Mozilla Firefox
- Microsoft Silverlight must be installed

1.3 Benefits to the End User
This service allows telephone company customers to control and configure
their enhanced service settings via a web-browser-based interface. Section 1.1
provides examples of the features to which end users will have access.

1.4 Benefits to the Telephone Company
This service provides customer satisfaction and service provider
differentiation. This service may also allow the telephone company to gain
accounts from its competitors and additional monthly revenue from the
service.
2. Licensing

2.1 Part Numbers

The Web Portal Service part numbers described by this document are as follows:

Table 2-1 Service Part Number

<table>
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<th>Part Number</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>863055</td>
<td>Web Portal License</td>
</tr>
</tbody>
</table>

Table 2-2 Expansion Part Number

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Integrated Web Portal / 1000 Subs</td>
<td>863060</td>
</tr>
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</table>

The service part number does not include any licenses for Integrated Web Portal subscribers. Integrated Web Portal subscribers are licensed in blocks of 1000 by purchasing the expansion part number.

2.2 Related Services

The following enhanced services provided by the Innovative Systems APmax have interfaces available in the Web Portal Service. Full descriptions of these services and their features are provided in the service description document associated with each service.

- Automated Configuration Service
- IPTV
- Notify Plus (see Section 7.3)
2. Licensing

- On-Demand Conferencing Plus
- Originating Call Management
- Switch Service Control
- Terminating Call Management
- Universal Call Management
- Voice Mail
3. **Service Operation**

3.1 **Service Flow**

The Web Portal application consists of a client application running in a web browser using Microsoft Silverlight plugin technology. This portal application uses SOAP service calls over HTTP / HTTPS to save and retrieve data to and from the APmax. Real-time data is "pushed" to the portal application through network TCP streams connected to the APmax. An example of “real-time data” is the notification of new calls in the portal when they are placed or received.

3.2 **Data**

The Web Portal application data is served from the APmax using the Apache web server running on the APmax administrative processor. The files that make up the portal reside in the following APmax file system folder: /usr/local/apache2/htdocs/Portal. Under that folder the directory structure is as follows:

- **PortalPage.html**: The HTML page that hosts the portal. Note: this includes includedFiles/silverlight.html.
- **ClientBin/**
  - **SilverLightPortal.xap**: The compiled portal code for use in Silverlight.
- **Res/**
  - **Logo.png**: The logo displayed at the top of the portal page.
  - **MapBorder.png**: Used for displaying a map of a clicked address, if this is configured.
- **Scripts/**
  - **Mapping.js**: Used for displaying a map of a clicked address, if this is configured.
- **includedFiles/**
  - **silverlight.html**: An include file which has the HTML necessary to display the Silverlight portion of the main HTML page.
4. Provisioning and Administration

4.1 Switch Provisioning
For more information, see the Innovative Systems document on using the APmax with the appropriate switch type.

4.2 Database Backup and Restore
Database transactions on the APmax are recorded to an internal transaction log. All applicable data is automatically backed up. This process is performed as a background operation and is transparent to the user.

4.3 Web Portal Configuration
The administrative settings of the Web Portal Service are found in the Internet Access Settings add-on in the APmax UI. See the Internet Access Settings chapter in the APmax User Manual for full descriptions of how to configure the following settings for the APmax.

- Service Provider
- E-mail Server
- Web Portal Top Banner, HTML, and Root Web Address
- Real-Time Call Logging
- System-wide Password Rules
- SSL
- Internet Access Administrative Users
- External DSP Addresses

Once the Internet Access Settings have been configured for the APmax, Internet Access-enabled subscribers can go to the Web Portal Service login page by navigating their web browser to the APmax Root Web Address, which is determined in the Internet Access Settings add-on. Typically the APmax Root Web Address will be “http://<external address>/Portal/PortalPage.html” where “<external address>” is the IP address or domain name that someone on the Internet would use to access the service provider defined in the Internet Access Settings. However, the APmax Root Web Address for APmax systems
with Release 4.1 or greater may be configured to be “http://<external address>” without the “/Portal/PortalPage.html” extension. See the Internet Access Settings chapter in the APmax User Manual for more information.
5. **Subscriber Management**

5.1 **Introduction**

The Web Portal Service provides web-browser-based user interfaces for many enhanced services on the Innovative Systems APmax. Any enhanced service subscriber who is Internet Access-enabled will be able to login to the Web Portal and will have access to some basic Web Portal Service interfaces (see Section 6.2). The Service Description documents associated with specific enhanced services will provide more details on the Web Portal Service interfaces available to the subscribers of each particular service.

This section provides an overview of the steps necessary for a subscriber on the APmax system to be configured for full access to Integrated Web Portal features.

5.2 **Integrated Web Portal Subscriber Management**

Integrated Web Portal subscribers have access to a broad range of features that combine the functions of multiple enhanced services. The steps required to configure an Integrated Web Portal subscriber are given below:

1). The following services must be installed on the APmax system on which the subscriber record is located: Voice Mail, On-Demand Conferencing Plus, Call Logging, and Web Portal.

2). The subscriber’s Internet Access account must be active. The Subscriber Management chapter in the APmax User Manual provides instructions for enabling Internet Access for subscribers.

3). The subscriber must be added to the following services and must have Internet Access turned on for each service: Voice Mail, On-Demand Conferencing Plus, Call Logging. **Note:** The easiest way to configure all of the above services for the subscriber is to use the Web Portal Configuration interface described in the Subscriber Internet Access Settings section of the Subscriber Management chapter in the APmax User Manual.
5. Subscriber Management
6. Internet Access Interface

6.1 Introduction
This section describes the base Web Portal interfaces that are used by end users to:

- Access the Web Portal interface.
- Manage their user account.
- View and modify current service settings.

The web pages that display actual service settings are not described here. Those pages are designed specifically for each service and are described in detail in the Service Description document provided with each service.

6.2 Web Portal Interfaces
The Web Portal interfaces described in the following three sub-sections are available to all subscribers who have active Internet Access accounts.

- Section 6.2.1 - Logging in to Web Portal
- Section 6.2.2 - Changing the User Password
- Section 6.2.3 - Email Address Management

Section 6.2.4 gives an overview of the interfaces that will be available to enhanced service subscribers, and Section 6.2.5 gives an overview of what will be available to Integrated Web Portal subscribers.

6.2.1 Logging in to Web Portal
The login page for Web Portal, shown in Figure 6-1, prompts users to enter their Username and Password, and then press the Login button to enter Web Portal. The Username and Password used on this page were assigned by the service provider as described in the Subscriber Internet Access Settings section of the Subscriber Management chapter in the APmax User Manual.

Once a valid Username and Password have been submitted, the user will be presented with one of the following interfaces:
6.2.1.1 Password Change Required

For security purposes, a user may be required to change their password the next time they enter Web Portal. This requirement is triggered by setting the Password Change field to Yes in the Subscriber Management interface of the APmax UI (see the Subscriber Internet Access Settings section of the Subscriber Management chapter in the APmax User Manual, version 4.3.01 or greater).

Upon login to Web Portal, the user will be presented with the Password Change Required prompt (see Figure 6-2), where they must fill out the New Password and Verify New Password fields. The Password Strength indicator will show the security strength of the new password. For more information on passwords, see Section 6.2.2 - Changing the User Password.
6.2.2 Changing the User Password

End users can modify the Password they use to login to Web Portal by following these steps:

1). Login to Web Portal (see Section 6.2.1).
2). Click on the My Settings tab if it is not already selected.
3). Select the General category in the My Settings tab. The Change Password interface (see Figure 6-3) will be displayed on the right-hand side of the screen.
4). Fill out the Old Password, New Password, and Verify New Password fields. The Password Strength indicator will show the security strength of the new password. The minimum length of the new password is determined by the system-wide Minimum Password Strength setting found in the Internet Access Settings add-on in the APmax UI. The maximum length of a password is effectively unlimited.

Password strength is determined by number of characters, type of characters (uppercase letters, lowercase letters, numbers, symbols), and whether or not the password includes common words found in the Web Portal internal dictionary. The four levels of password strength are described below:

- **Weak** - Any password that is not Medium, Strong, or Best.
- **Medium** - Any password with 8 or more characters that has at least two different types of characters and does not directly match words in the Web Portal internal dictionary.
- **Strong** - Any password with 8 or more characters that has at least three different types of characters and does not match any variation of a word in the internal dictionary.
- **Best** - Any password with 14 or more characters that has at least three different types of characters and does not match any variation of a word in the internal dictionary.
5). Press the Save button in the lower right-hand corner of the screen to save the new password.

Figure 6-3   General Settings

6.2.3 Email Address Management

The Email Address List interface (see the right-hand side of Figure 6-3) is used to manage the email addresses associated with the logged in user. End user email addresses are used by enhanced services for notification emails, email delivery of Voice Mail Service messages, and other functions.

To add an email address, press the Add button in the Email Address List interface. An Add Email Address window similar to Figure 6-4 will be displayed. Enter the new address and press the OK button to complete the addition.

Figure 6-4   Add Email Address

To delete an email address from the Email Address List interface, select the address to delete and press the Delete button located below the list. A delete confirmation prompt will be displayed. Choose OK in the prompt to complete the deletion.

After changes to the Email Address List are complete, press the Save button in the lower right-hand corner of the screen to save the new additions or deletions.
6.2.4 Basic Service Interfaces

When a subscriber who is not enabled for Integrated Web Portal features logs into Web Portal they will always have access to the *My Settings* tab (see Figure 6-5), and may have access to one or more other tabs, depending on the enhanced services to which they are subscribed. For example, in Figure 6-5 the *Home* tab is displayed because the logged in subscriber has the Voice Mail Service.

**Figure 6-5  My Settings Tab**

The *My Settings* tab is partitioned into two sections: *Categories* and *Settings*. The *General* category is available to all subscribers and is used to manage the logged in subscriber’s Internet Access password, as described in Section 6.2.2. All other categories represent one or more enhanced services for which the subscriber has been Internet Access-enabled. Selecting a category will typically display one or more groups of service properties in the *Settings* section on the right-hand side of the screen. Pressing the expand button next to group will display service settings related to that group. The Service Description document provided with each enhanced service will give detailed descriptions of the settings available for each category and group.
6.2.5 Integrated Service Interfaces

Integrated Web Portal subscribers have access to several combined service features in addition to the basic Web Portal features for each service to which they are Internet Access-enabled. When an Integrated Web Portal subscriber logs in they will have access to four tabs (Home, My Calls, My Contacts, My Settings) containing various functions and settings. The My Settings tab functions the same way for Integrated Web Portal subscribers as described in Section 6.2.4 - Basic Service Interfaces. The other tabs are described in the following sections.

- Section 6.2.5.1 - Integrated Home Tab
- Section 6.2.5.2 - Integrated My Calls Tab
- Section 6.2.5.3 - Integrated My Contacts Tab

6.2.5.1 Integrated Home Tab

The left-hand side of the Home tab (see Figure 6-6) displays a summary list of the logged in subscriber’s recent calls. Hovering the mouse pointer over the name of a caller in the Recent Calls list will display the caller’s information, if available, in the Contacts section of the Home tab. Clicking on a phone number in the Recent Calls list will dial that number. On the right-hand side of each call in the list is an icon that represents the call results. These icons are described below:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>📞</td>
<td>Indicates this was a dialed call.</td>
</tr>
<tr>
<td>📞✅</td>
<td>Indicates an answered call.</td>
</tr>
<tr>
<td>📞✘</td>
<td>Indicates the call was missed.</td>
</tr>
<tr>
<td>📞🚫</td>
<td>Indicates the call was blocked.</td>
</tr>
<tr>
<td>📞侉</td>
<td>The call resulted in a new Voice Mail message. Clicking on this button will play the associated Voice Mail message over the subscriber’s PC speakers. Hovering the mouse pointer over this button will reveal additional options: Click to Email Message 💌, which sends the Voice Mail message as an audio file attachment to the subscriber’s Email Notify addresses, and Click to Delete Message 🗑️.</td>
</tr>
</tbody>
</table>
The **Contacts** section on the right-hand side of the *Home* tab is used to quickly navigate to contacts that have been defined in the *My Contacts* tab (see Section 6.2.5.3). Clicking on a contact in the list below the **Search** field will display the information for that contact on the right-hand side of the **Contacts** section. If the contact has one or more phone numbers defined, there will be a **Call** button next to each number, and pressing the button will dial that number. If the contact has an email address defined, clicking on the address will launch the user’s default email client. The **Group** and **Organization** fields are used to filter the list of contacts by those respective contact groupings. The **Search** fields allows a name or partial name to be entered to narrow the list of contacts to names that match the entered text.
In the lower right-hand corner of the Home tab is the Quick Settings section which allows the Active Voice Mail Greeting and Default Call Number options to be easily changed without navigating to the Voice Mail category in the My Settings tab (see the Voice Mail Service Description for more information).

6.2.5.2 Integrated My Calls Tab

The My Calls tab displays a comprehensive list of the logged in subscriber’s calls, as illustrated in Figure 6-7. The Filter by drop-down box at the top of the tab allows the scope of the list to be narrowed to a specific call result. The results of the calls in the list are indicated by the icons in the Type column. These icons are described below:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>📞</td>
<td>Indicates this was a dialed call.</td>
</tr>
<tr>
<td>🔔</td>
<td>Indicates an answered call.</td>
</tr>
<tr>
<td>📧</td>
<td>Indicates the call was missed.</td>
</tr>
<tr>
<td>🔴</td>
<td>Indicates the call was blocked.</td>
</tr>
<tr>
<td>📬</td>
<td>The call resulted in a new Voice Mail message.</td>
</tr>
<tr>
<td>📬✔️</td>
<td>The Voice Mail message left by the call has been saved.</td>
</tr>
<tr>
<td>📬☓️</td>
<td>The Voice Mail message left by the call has been deleted.</td>
</tr>
</tbody>
</table>
Clicking on a call row in the *My Calls* tab will display a caller profile below the call, as shown in Figure 6-7. The *First Name, Last Name, Phone Type,* and *Group* of the contact can be updated from within this profile by changing the values in the appropriate fields and pressing the *Update* button in the contact profile. More extensive contact management must be done in the *My Contacts* tab (see Figure 6-9).

If the call resulted in a new or saved Voice Mail message, then the play sound and volume control (see Figure 6-8) for the message in the selected call will be displayed in the caller profile, allowing the user to play the message over their PC speakers.

Voice Mail messages can be deleted by checking the box on the left-hand side of the call row, and then pressing the *Delete* button in the lower right-hand corner of the *My Calls* tab. Alternatively, checking the box and pressing the *Mark Read* button will save the Voice Mail message and will change the icon to the saved message icon.
To dial a phone number listed in the From Number column of the My Calls tab, simply press the Call button next to the number.

### 6.2.5.3 Integrated My Contacts Tab
The My Contacts tab (see Figure 6-9) is used to manage detailed profile information about contacts, and is also used to manage the call records of individual contacts.

The left-hand side of the My Contacts tab contains a list of all the contacts defined for the logged in subscriber. Selecting a contact in the list will display the profile and call information of the contact on the right-hand side of the tab. The Group and Organization fields above the Contacts list are used to filter the list by those respective contact properties (see Section 6.2.5.3.5 for information on managing groups and organizations). The Search fields allows a name or partial name to be entered to narrow the scope of the list to names that match the entered text.

**Figure 6-9   Integrated My Contacts Tab**

The lower right-hand section of the My Contacts tab displays a list of the recent calls to or from the selected contact. The results of the calls in the list are indicated by the icons in the Type column. These icons are described in Section 6.2.5.2. If the call resulted in a new or saved Voice Mail message, then clicking on the call row will display the play sound and volume control (see Figure 6-10), allowing the user to play the message over their PC speakers.
To dial a phone number listed in the From Number column of the Calls list, simply press the Call button next to the number. Calls may also be placed to any of the selected contact’s phone numbers by pressing the Call button next to the appropriate phone in the Phone Numbers list in the upper right-hand section of the screen.

The upper right-hand section of the My Contacts tab displays the profile information of the selected contact, such as group, organization, email, and address. If the contact has an email address defined, clicking on the address will launch the logged in subscriber’s default email client. Also, if a mapping API key has been configured for this service provider (see the Internet Access Settings chapter in the APmax User Manual for more information), then clicking on the contact’s address link will display the location on a map.

Instructions for imported, adding, editing, and deleting contacts are given in the following sections.

- Section 6.2.5.3.1 - Importing Contacts
- Section 6.2.5.3.2 - Adding Contacts
- Section 6.2.5.3.3 - Editing Contacts
- Section 6.2.5.3.4 - Deleting Contacts

6.2.5.3.1 Importing Contacts
Contact records from other applications (e.g., Microsoft Office Outlook) can be imported into Web Portal by using the Import button in the lower left-hand corner of the My Contacts tab.

When this button is pressed a standard file selection window will be displayed. Use the file selection window to locate the .csv (Comma Separated Value) or .vcf (Virtual Contact File) file that contains the contact records, and then press the Open button to complete the import.
Imported .csv files must have the same format as .csv contact files that are created when exporting contact information from Microsoft Office Outlook. The contact fields expected in the .csv file are given below.

```
"Title","First Name","Middle Name","Last Name","Suffix",
"Company","Department","Job Title","Business Street",
"Business Street 2","Business Street 3","Business City",
"Business State","Business Postal Code",
"Business Country/Region","Home Street","Home Street 2",
"Home Street 3","Home City","Home State",
"Home Postal Code","Home Country/Region","Other Street",
"Other Street 2","Other Street 3","Other City","Other State",
"Other Postal Code","Other Country/Region",
"Assistant's Phone","Business Fax","Business Phone",
"Business Phone 2","Callback","Car Phone",
"Company Main Phone","Home Fax","Home Phone",
"Home Phone 2","ISDN","Mobile Phone","Other Fax",
"Other Phone","Pager","Primary Phone","Radio Phone",
"TTY/TDD Phone","Telex","Account","Anniversary",
"Assistant's Name","Billing Information","Birthday",
"Business Address PO Box","Categories","Children",
"Directory Server","Email Address","Email Type",
"Email Display Name","Email 2 Address","Email 2 Type",
"Email 2 Display Name","Email 3 Address","Email 3 Type",
"Email 3 Display Name","Gender",
"Government ID Number","Hobby","Home Address PO Box",
"Initials","Internet Free Busy","Keywords","Language",
"Location","Manager's Name","Mileage","Notes",
"Office Location","Organizational ID Number",
"Other Address PO Box","Priority","Private",
"Profession","Referred By","Sensitivity","Spouse",
"User 1","User 2","User 3","User 4","Web Page"
```

6.2.5.3.2 Adding Contacts

Contacts can be manually added one at a time by pressing the Add button in the lower left-hand corner of the My Contacts tab. When this button is pressed the right-hand side of the tab will display an empty contact profile, as illustrated in Figure 6-11.
Figure 6-11  Adding a Contact

Follow these steps to complete the addition of the new contact:

1). Enter the *First Name*, *Middle Name* (optional), and *Last Name* of the contact.

2). Select the *Group* and/or *Organization* into which this contact should be classified (see Section 6.2.5.3.5 for information on managing groups and organizations).

3). Enter the *Email* address and any instant messaging or social networks that may be used to communicate with this contact.

4). Use the *Phone Numbers* section to home, work, and cell phone numbers that may be used to call this contact.

5). Enter the location of the contact into the *Address* section.

6). Press the *Save* button below the *Address* section to complete the addition of the new contact.

Once the contact has been saved, the contact can be called from within Web Portal and will be linked to any incoming or outgoing calls in which they participate.
6.2.5.3.3 Editing Contacts
To edit the profile of a Web Portal contact, select the contact in the list on the left-hand side of the My Contacts tab, and press the Edit button located below the list. The right-hand side of the tab will be populated with all of the known information about the contact, as illustrated in Figure 6-12.

Figure 6-12 Editing a Contact

![Editing a Contact](image)

Editing a contact functions the same as adding a contact (see Figure 6-12), with one exception: The picture representing the contact can be updated by pressing the Update Pic button in the contact profile to display a standard file selection window.

Note: The contact picture is limited to a maximum Width of 1280 pixels and a maximum Height of 1024 pixels. It must be one of the following image file formats: JPG, JPEG, or PNG.

Use the file selection window to navigate to a .jpg, .jpeg, or .png image file and press the Open button. The selected picture will now be displayed in the contact profile and also in the My Calls and Home tabs when a call from this contact is selected.
Press the Save button in the lower right-hand corner of the My Contacts tab to save any changes made to the selected contact’s profile, or press the Cancel button to discard the changes.

### 6.2.5.3.4 Deleting Contacts
To delete a contact record, select the contact in the list on the left-hand side of the My Contacts tab, and press the Delete button located below the list. A delete confirmation prompt will be displayed. Press the OK button in the prompt to complete the deletion or the Cancel button to abort the deletion.

### 6.2.5.3.5 Groups and Organization Management
The Group and Organization fields in Web Portal are used to categorize contacts so that they can be more easily located and profiled.

To add a new group or organization, press the add button next to the Group or Organization selection boxes in the Contacts section of the My Contacts tab. A Create Group (see Figure 6-13) or Create Organization popup form will be displayed. Enter the Name of the new group or organization and press the Save button to complete the addition.

![Figure 6-13 Create Group](image)

To edit the name of a group or organization, select the target in the Group or Organization selection boxes in the Contacts section of the My Contacts tab and press the edit button next to the selection box. An Edit Group (see Figure 6-14) or Edit Organization popup form will be displayed. Change the Name of the group or organization and press the Save button to complete the update.

![Figure 6-14 Edit Group](image)
To delete a group or organization, select the target in the Group or Organization selection boxes in the Contacts section of the My Contacts tab and press the delete button next to the selection box. A delete confirmation prompt will be displayed. Deleting a group or organization will not delete the contacts in that group or organization. Press the OK button to complete the deletion or press the Cancel button to abort the deletion.

Groups and organizations can also be managed when editing or adding a contact record. The Group and Organization fields in the contact profile screen contain the same add, edit, and delete buttons that are described above (see Figure 6-15).

Figure 6-15  Edit Contact Profile
7. Feature Interaction

7.1 Triggers
The real time display of call data and “Click-to-Call” call origination function depends upon the proper provisioning of the AIN Termination Attempt (TA), AIN Off-hook Delay (OHD) and Real Time Call Logging service for a given subscriber.

For more information on properly provisioning a full Web Portal subscriber please refer to the Innovative Systems document on using the APmax with the appropriate switch type.

7.2 Interaction with CLASS
None.

7.3 Notify Plus
Integrated Web Portal features (see Section 5.2 - Integrated Web Portal Subscriber Management) are not compatible with Notify Plus Service subscribers.
## List Of Terms

<table>
<thead>
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<th>Term</th>
<th>Description</th>
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<tbody>
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</table>
Bibliography

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