

I. Introduction

This Avaya IP Office Integration Guide provides general instructions for integration of the **VOIP-600 Series Phone** with an IP Office installation. It is recommended to read this instruction set completely before starting any installation. For detailed VOIP-600 setup instructions, please consult the **VOIP-600 Series Phone Manual**.

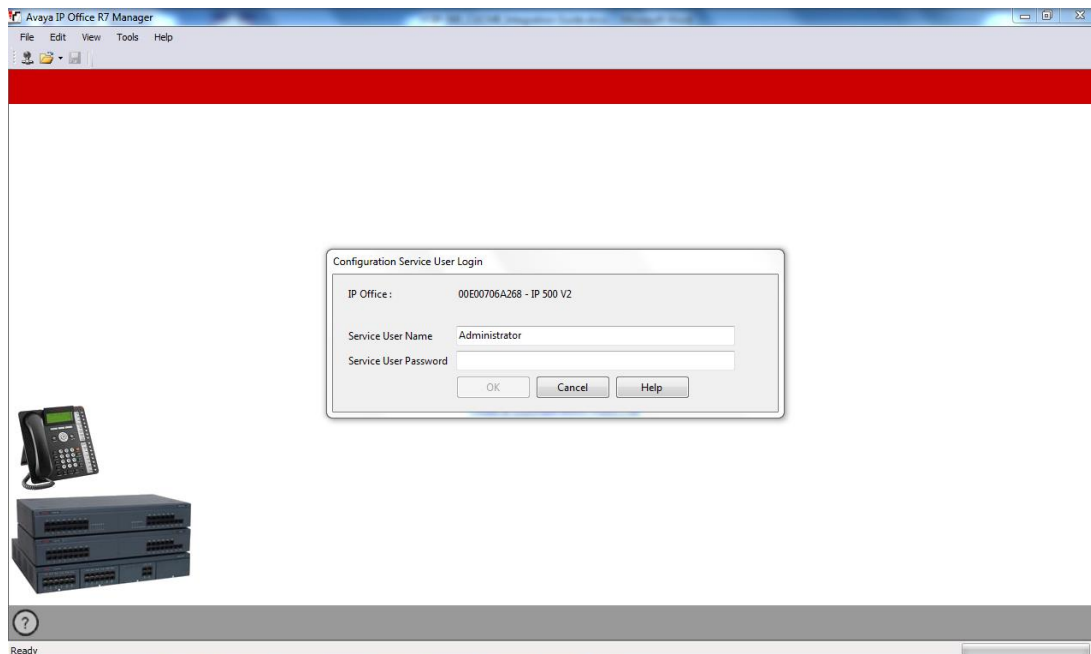
II. Prerequisites

- Avaya IP Office Manager Version 9 pre-installed
- SIP Device Licensing for 3rd Party IP Endpoints
- Network access to the IP Office Manager, **VOIP-600 Series Phones** and all network services (SIP, HTTP, FTP, RTP/SRTP)

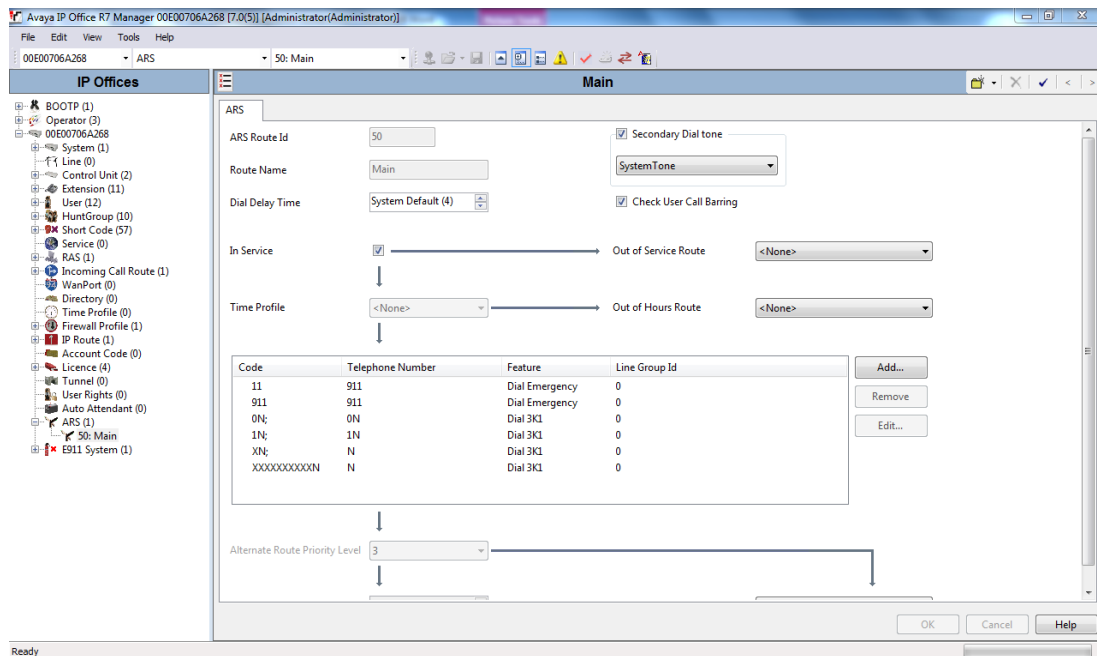
III. IP Office Manager Basic Configuration

Basic instructions for integrating a **VOIP-600 Series Phone** with an Avaya IP Office R7 Manager are included. Advanced setup of IP Office Manager features is outside the scope of this document.

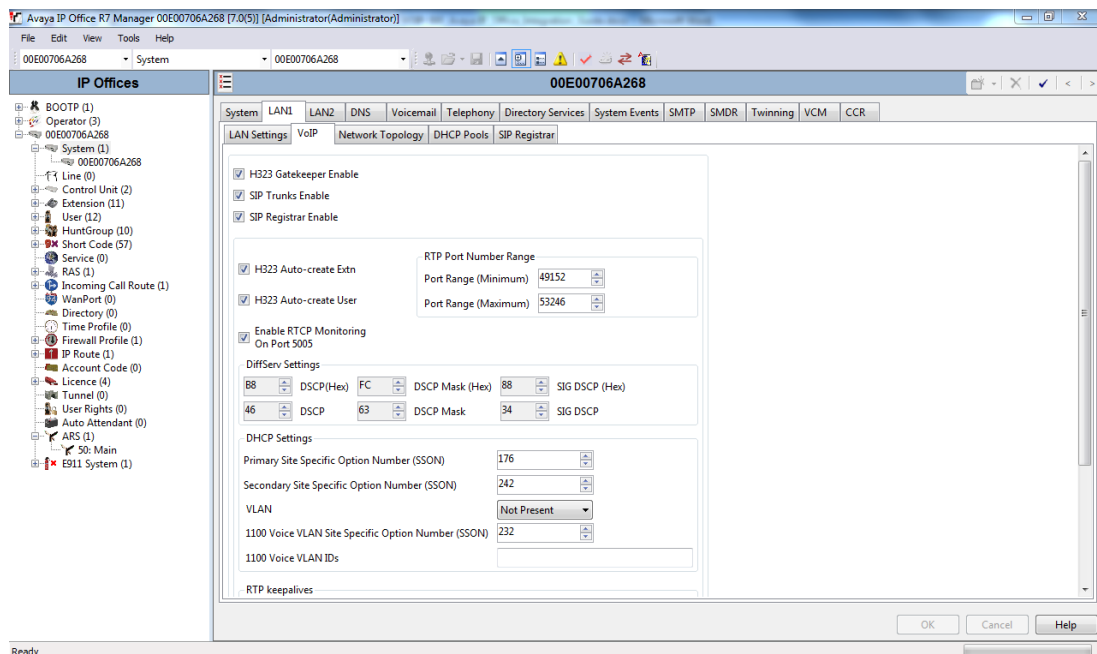
1. Using IP Office R7 Manager, connect to the IP Office Control Unit.



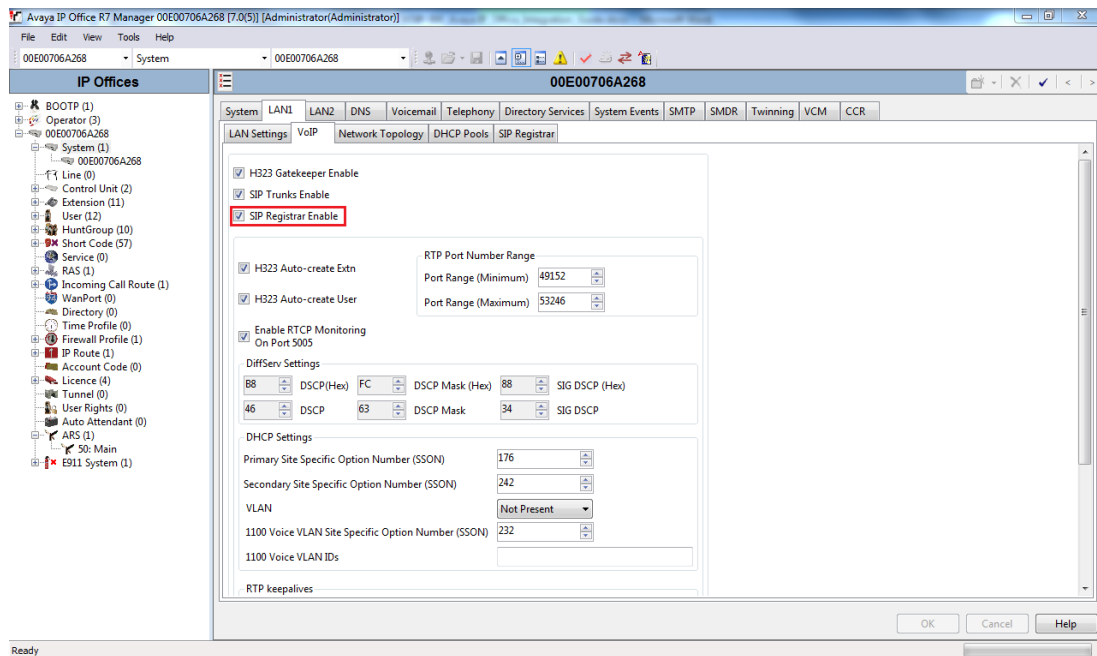
2. Login to Avaya IP Office Manager:



3. SIP Extension Support is required for VOIP-600 integration. Begin by selecting **System > LAN1 (or LAN2) > VoIP** in the IP Office Manager:

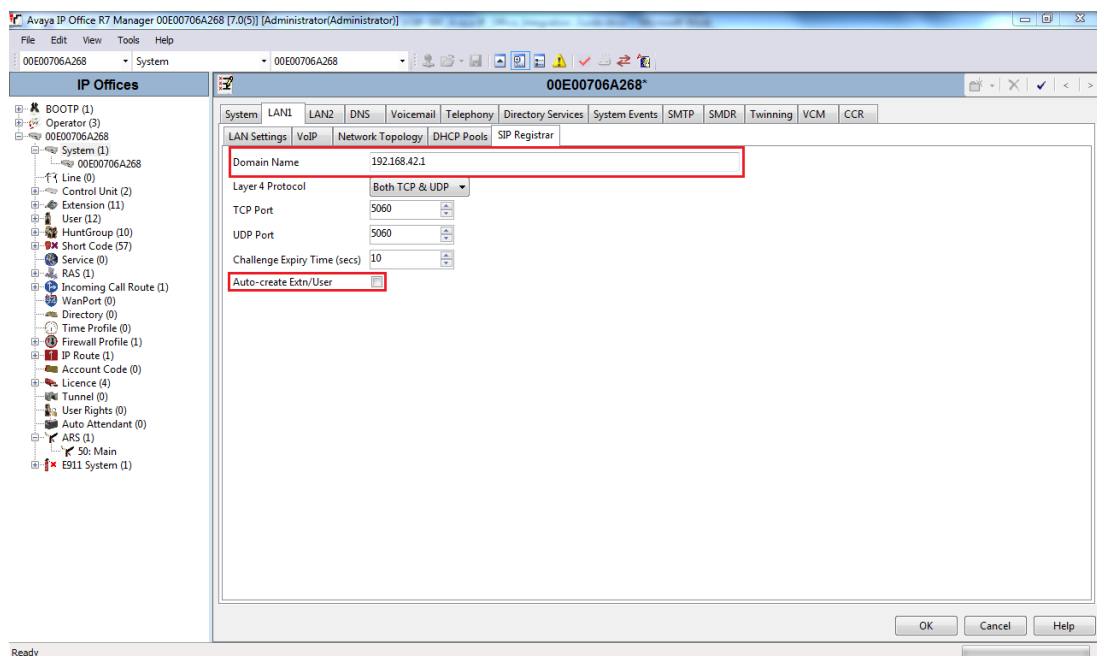


4. Check that **SIP Registrar Enable** is enabled.

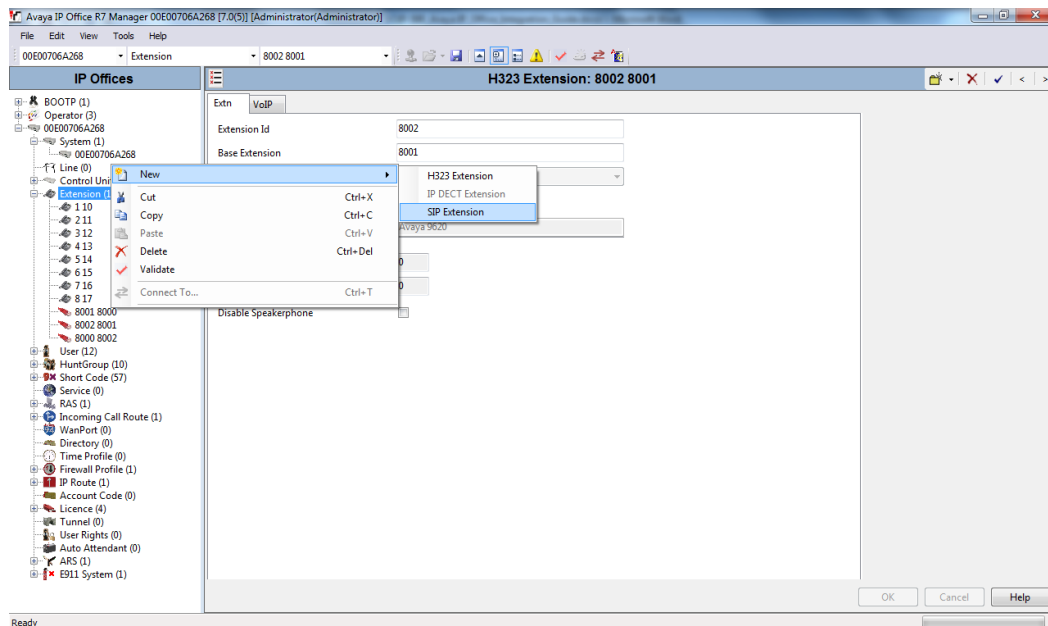


5. Select the **SIP Registrar** sub-tab.

6. In **Domain Name** enter the Fully Qualified Domain Name (FQDN) or the IP address associated with the correct LAN port on the IP Office Control Unit. Deselect **Auto-create Extn/User**. Click **OK**.



7. A SIP Extension will need to be created for each **VOIP-600 Series Phone**. Right Click on **Extension**, select **New** and then click on **SIP Extension**.

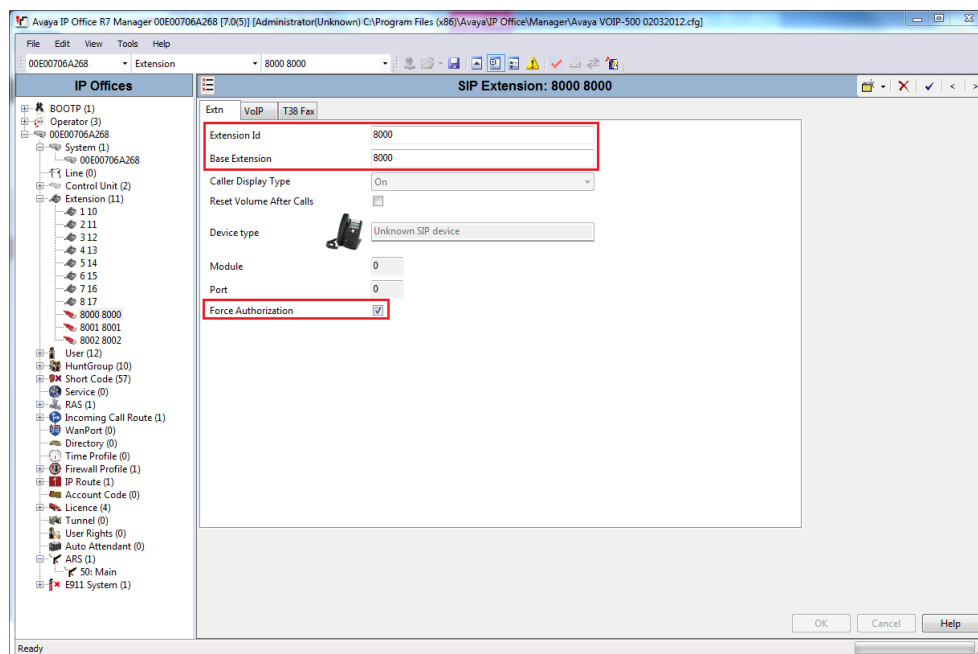


8. Enter the following fields to create a new extension:

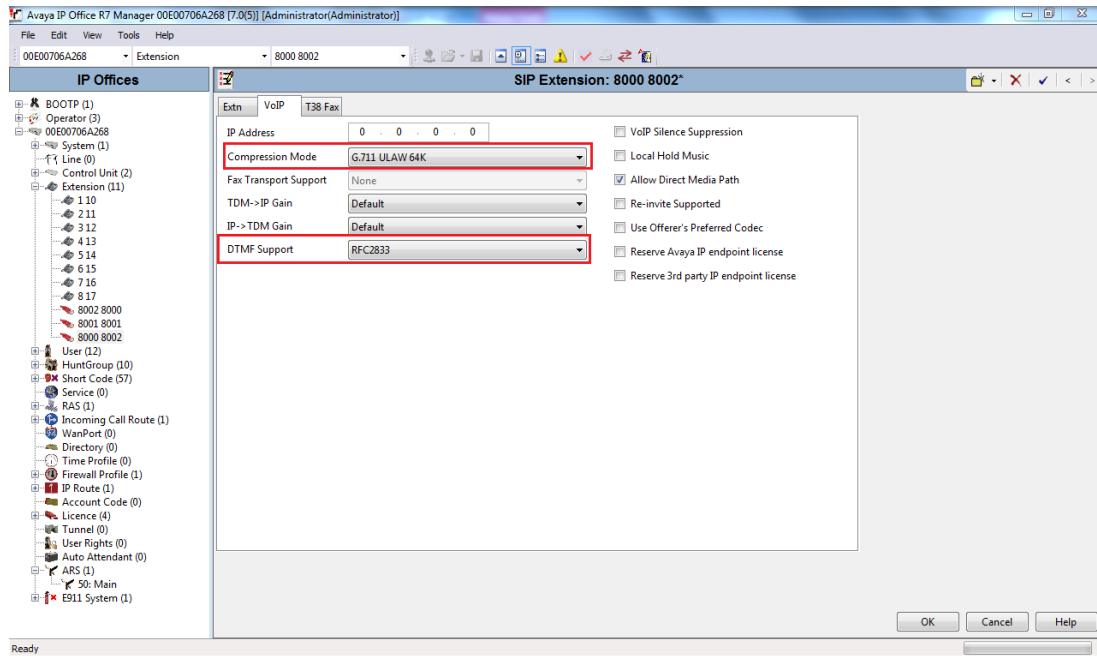
Extension ID: A unique extension to identify the logical extension in IP Office, by default IP extensions start at 8000.

Base Extension: This is the extension used to call the **VOIP-600 Series Phone**.

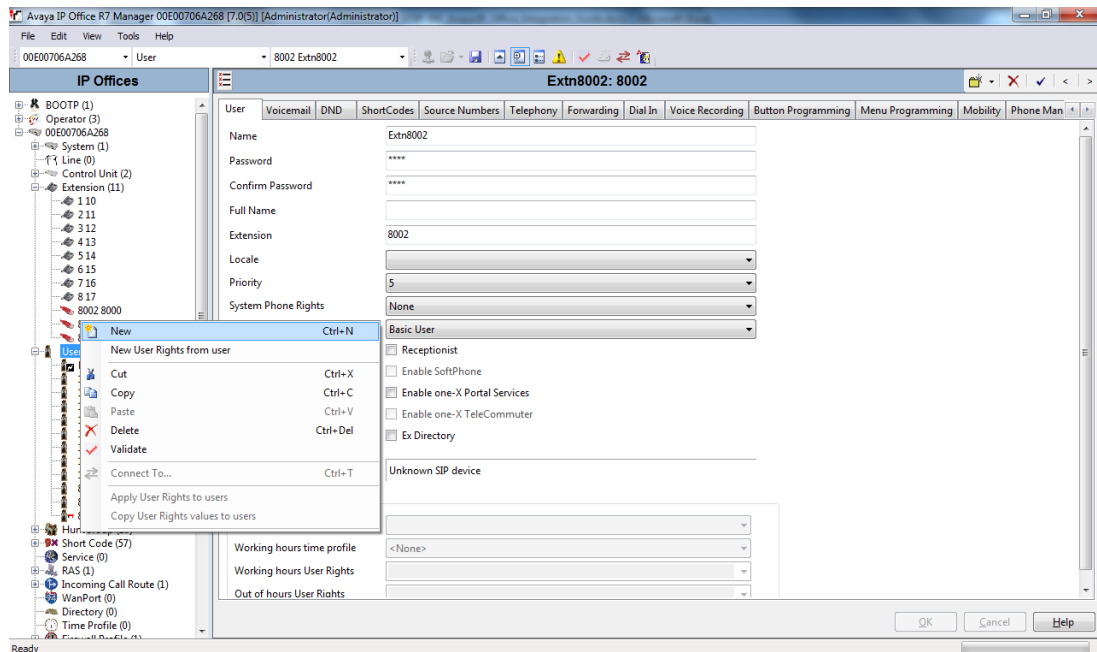
Force Authorization: Select to force authentication of the **VOIP-600 Series Phone**.



- Now select the **VoIP** tab and select the **Compression Mode**. The default of the **VOIP-600 Series Phone** is **G.711 U-LAW 64K** and will work in most cases, more information on audio codecs can be found in the **VOIP-600 Series Phone** manual. Now set **DTMF Support** to **RFC2833**.



- Each **VOIP-600 Series Phone** should have a unique User. Right click on **User** and select **New**.



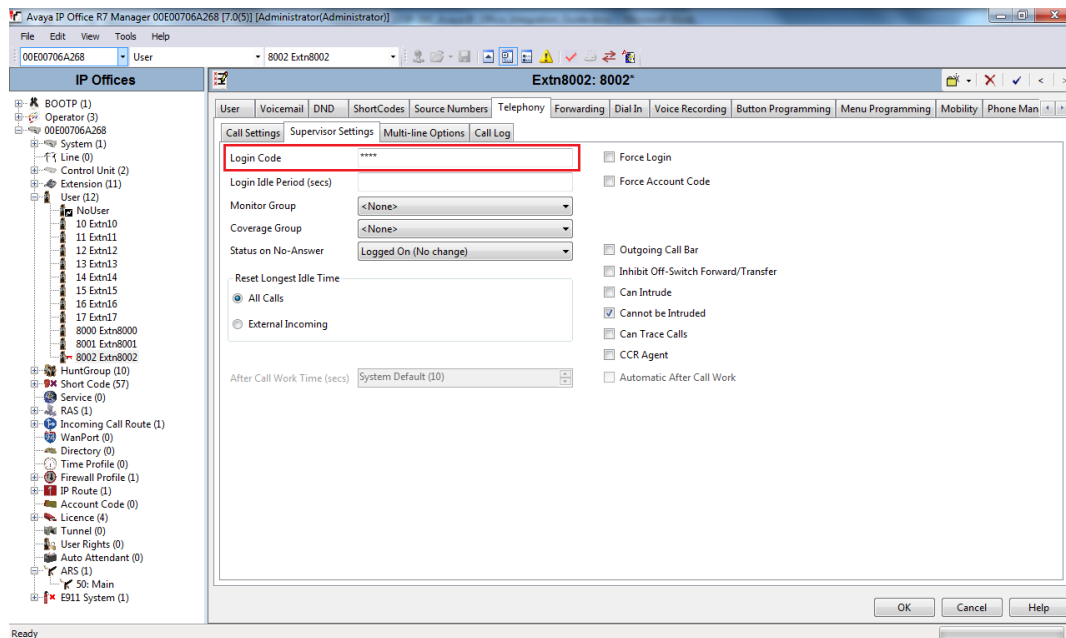
11. Enter the following fields to create a new user;
Name: This will be displayed as the user's name in IP Office Manager, and is used as the username for SIP registration when configuring the **VOIP-600 Series Phone**.
Extension: This should match the **Base Extension** configured for the SIP extension in step 8. It is also used as the phone number when configuring the **VOIP-600 Series Phone**.

The screenshot shows the 'Avaya IP Office R7 Manager' window. On the left is a tree view of the system configuration. The main window is titled '8002 Extn8002' and shows the 'User' configuration tab. The 'Name' field is highlighted with a red box and contains 'Extn8002'. The 'Extension' field is also highlighted with a red box and contains '8002'. Other fields include 'Password', 'Confirm Password', 'Full Name', 'Locale' (dropdown), 'Priority' (dropdown), 'System Phone Rights' (dropdown), and 'Profile' (dropdown). There are also checkboxes for 'Receptionist', 'Enable SoftPhone', 'Enable one-X Portal Services', 'Enable one-X TeleCommuter', and 'Ex Directory'. At the bottom, there are 'OK', 'Cancel', and 'Help' buttons.

12. Select the **Telephony** tab and then the **Call Settings** sub-tab. Disable **Call Waiting On** and **Answer Call Waiting on Hold**, call waiting is not support on the **VOIP-600 Series Phone**.

The screenshot shows the 'Avaya IP Office R7 Manager' window with the 'Telephony' tab selected. The 'Call Settings' sub-tab is active. The 'Call Waiting On' checkbox is unchecked, and the 'Answer Call Waiting On Hold' checkbox is also unchecked. Other settings include 'Outside Call Sequence' (Default Ring), 'Inside Call Sequence' (Default Ring), 'Ringback Sequence' (Default Ring), 'No Answer Time (secs)' (15), 'Wrap-up Time (secs)' (2), 'Transfer Return Time (secs)' (Off), and 'Call Cost Mark-Up' (100). There are also checkboxes for 'Busy On Held' and 'Offhook Station'. At the bottom, there are 'OK', 'Cancel', and 'Help' buttons.

13. Select the **Supervisor** sub-tab. In the **Login Code** field enter a password to be used by the **VOIP-600 Series Phone** for authentication. Avaya IP Office will only accept numbers in this field.



14. If adding multiple **VOIP-600 Series Phones**, repeat Steps 7-13 for each device.

IV. VOIP-600 Series Phone Configuration

1. Using a web browser, enter the IP address of the **VOIP-600 Series Phone** that you are programming. Login to the device with the configured Username and Password.
2. In the VOIP-600 main menu, select **Network > SIP Settings**.
3. Enter the following fields on the **SIP Settings** page. Then click **Apply**.
Assign a phone number:
 Phone Number: Enter the Base Extension created in step 8.

Specify domain name:

Domain Name: Enter the IP address of the IP Office Manager Control Unit.

Enable/disable SIP registration:

Register: Checked

Specify SIP registrar:

Username: Enter the Name created in step 11.

Password: Enter the Login Code created in Step 13.

IP Address: Enter the IP address of the IP Office Manager Control Unit.

Port: (default: 5060)

Re-registration Time: (default: 3600)

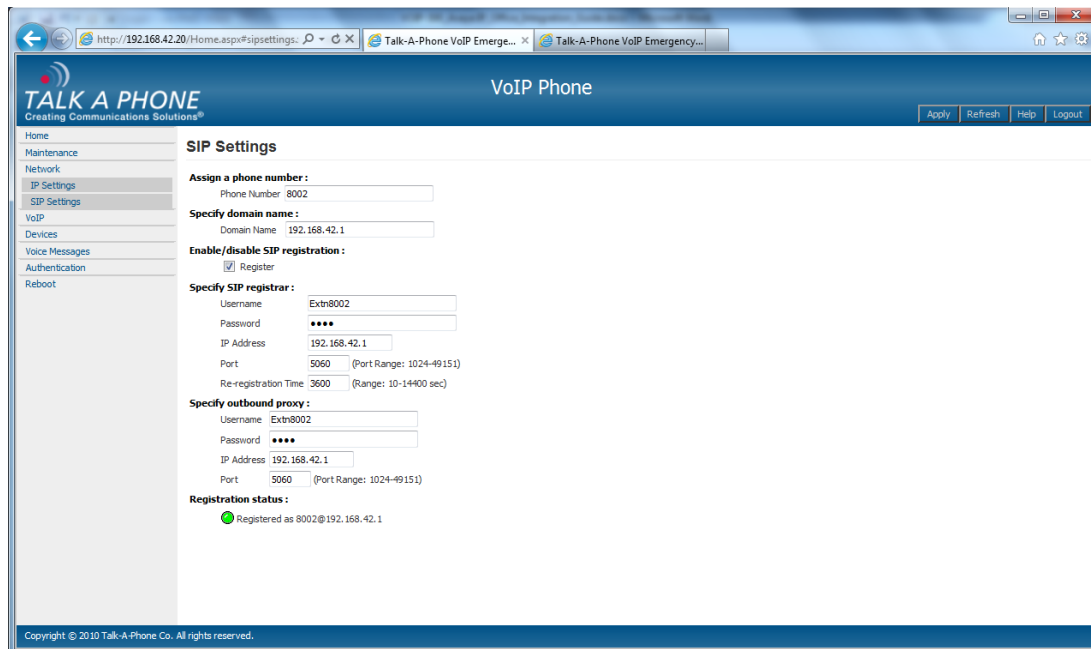
Specify outbound proxy:

Username: Enter the Name created in step 11.

Password: Enter the Login Code created in Step 13.

IP Address: Enter the IP address of the IP Office Manager Control Unit.

Port: (default: 5060)



4. Repeat steps 1-4 for any additional **VOIP-600 Series Phones**.