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# **Application Notes for IntelPeer SIP Trunk**

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These application notes are provided for dealers who are configuring AltiGen Communication's MAXCS with IntelPeer's SIP-Trunking service.

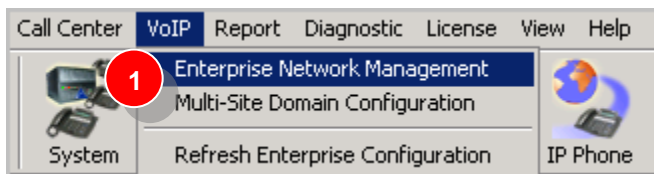
## Introduction

From an administrator's point of view, a SIP trunk is very similar to a Triton analog trunk. Once it is up and running, you can assign a trunk access code to it. You can also mix SIP trunks with analog trunks, T1, or PRI trunks in the Out Call Routing table. Like analog trunks, each SIP trunk has a PSTN number. SIP trunks can also receive caller name and caller ID.

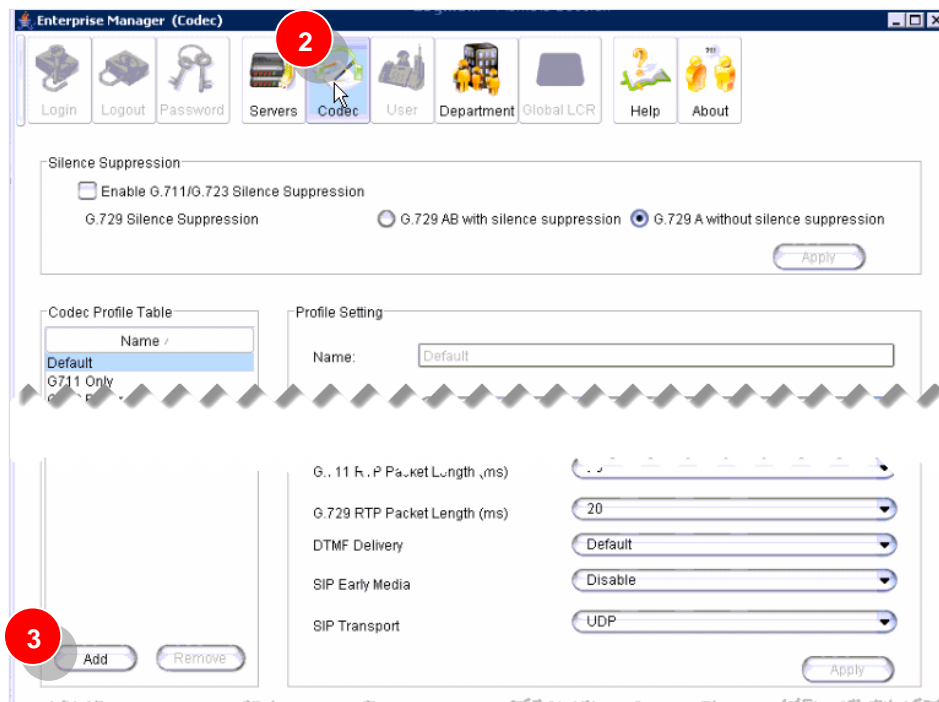
## Configure the SIP Trunk in Enterprise Manager

This section describes the steps you take to configure the SIP trunk within Enterprise Manager.

- 1 In MaxAdministrator, open Enterprise Manager by choosing **VoIP > Enterprise Network Management**.

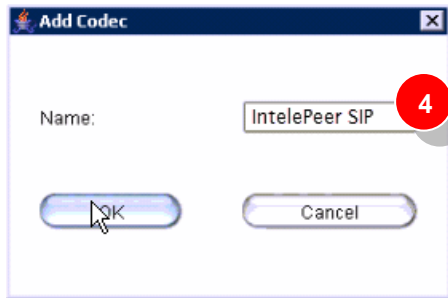


- 2 In Enterprise Manager, click **Codec** on the menu bar.
- 3 In the lower corner, click **Add** to add a new codec profile.

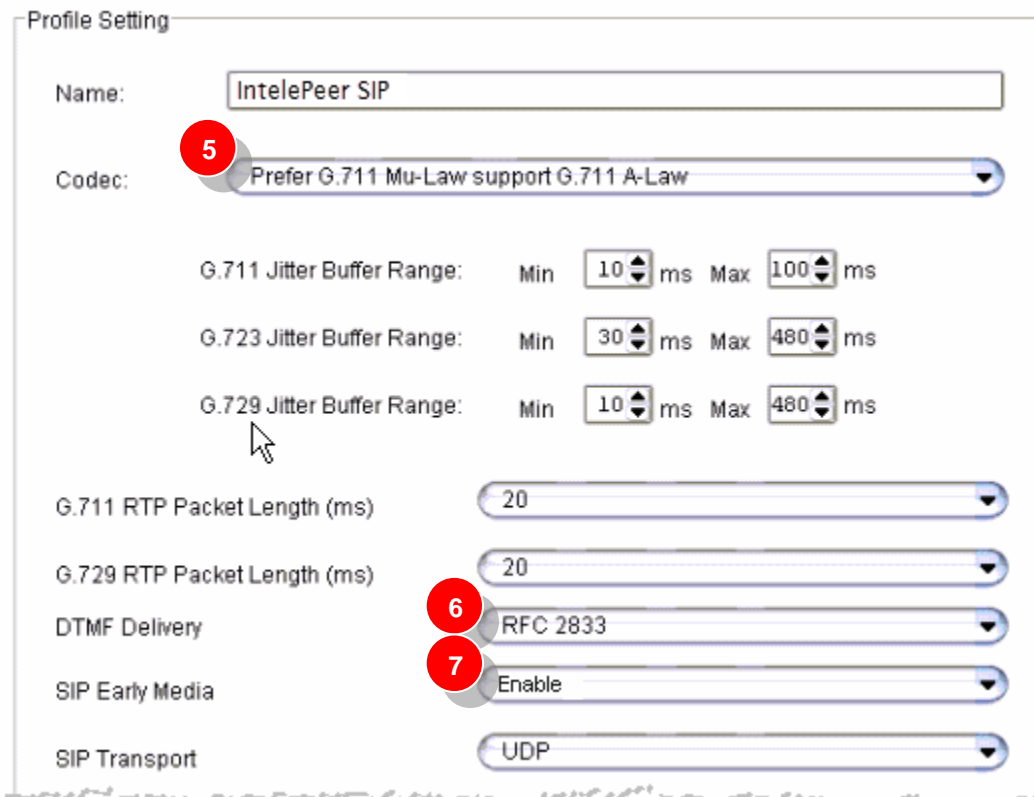




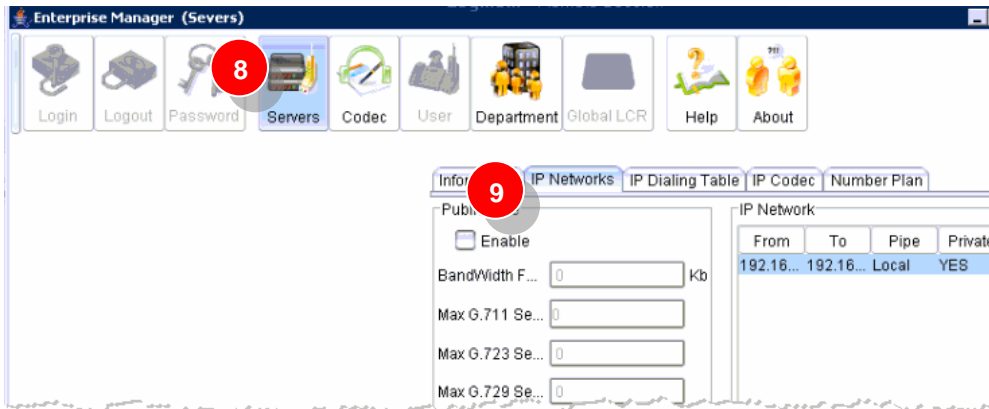
- Name this new codec profile *IntelePeer SIP*, and then click **OK**.



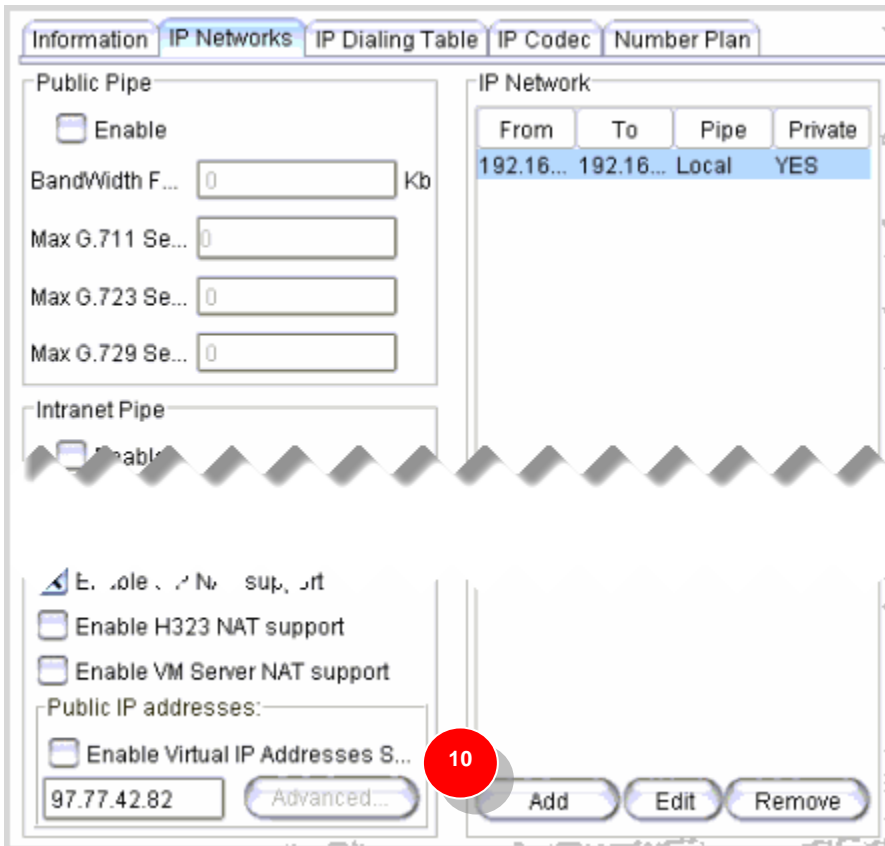
- Select the proper codec from the drop-down list.
- Set **DTMF Delivery** to *RFC 2833*.
- Set **SIP Early Media** to *Enable*. Click **Apply**.



- Click **Servers** on the menu bar.
- Click the **IP Networks** tab.

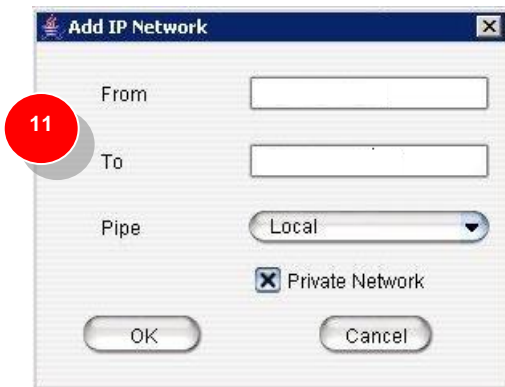


10 In the bottom of the IP Network pane, click **Add**.



11 Enter the following information:

- For the *From* and *To* IP addresses, enter the gateway IP address.
- Check **Private Network**.

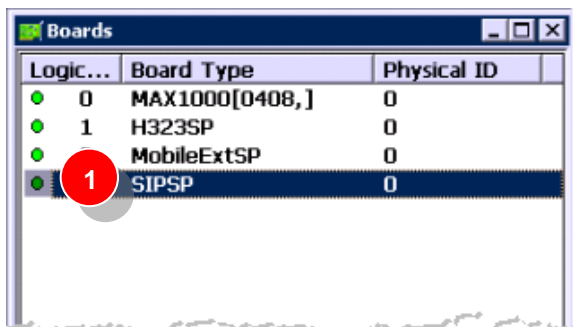


12 Click **OK**.

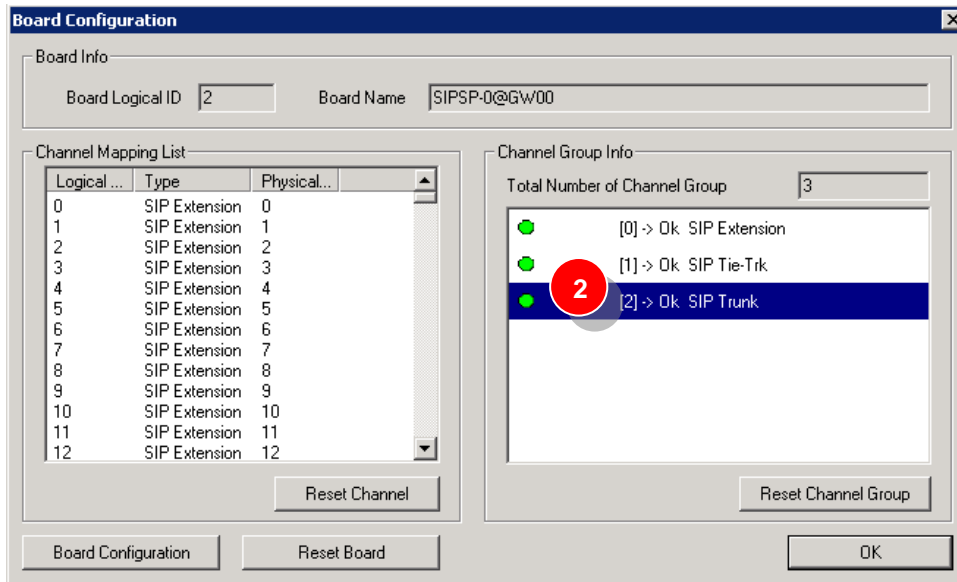
## Configure the SIP Trunk in MaxAdministrator

This section describes the steps to configure and enable the SIP trunk within MaxAdministrator.

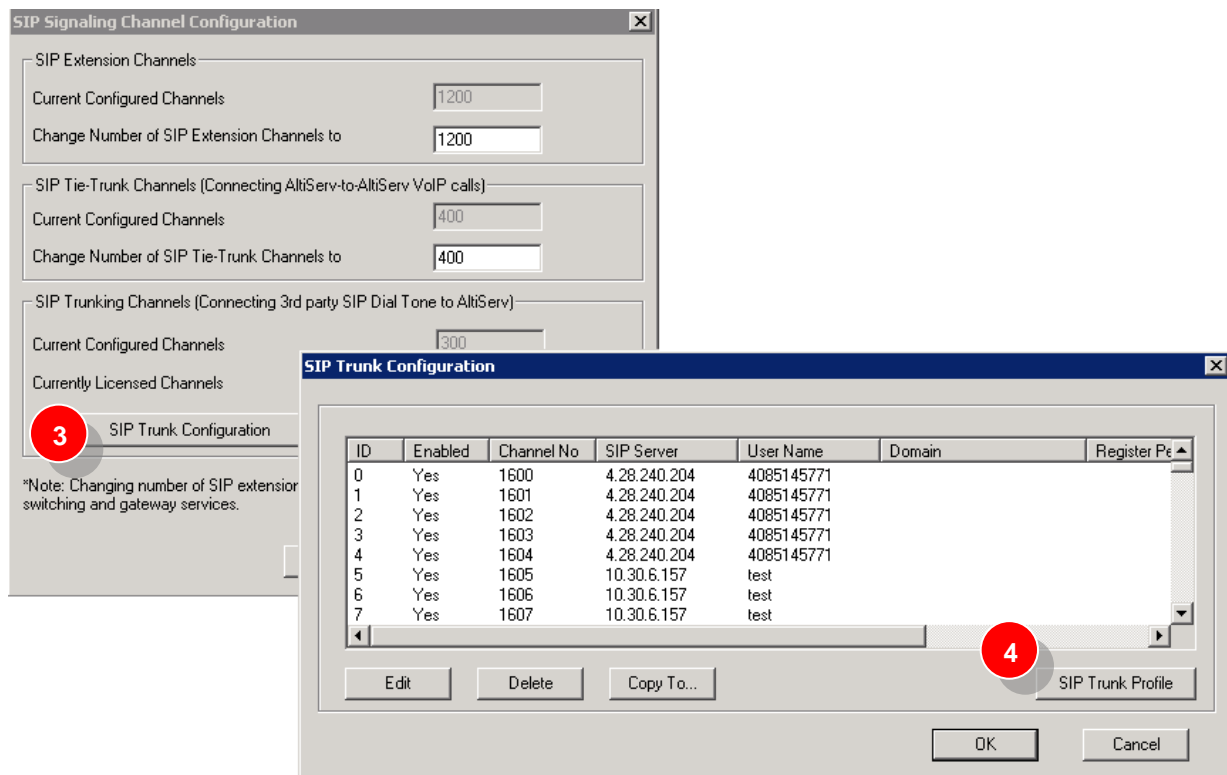
- 1 In MaxAdministrator, double-click the SIPSP board in the Boards panel.



- 2 In the Board Configuration window, double-click **SIP trunk**.



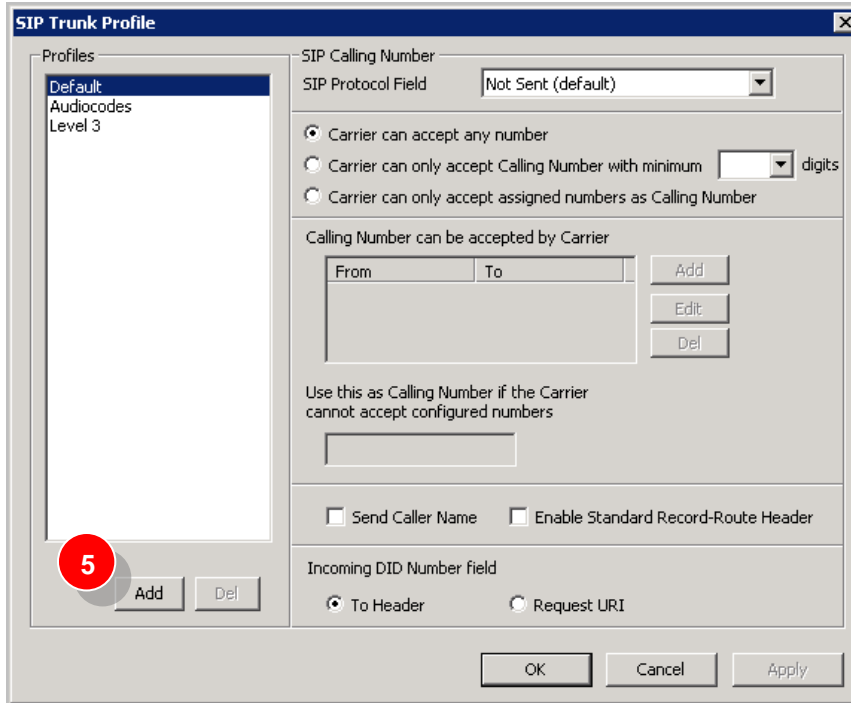
- In the SIP Signaling Channel Configuration window, click **SIP Trunk Configuration**.



- In the SIP Trunk Configuration window, click **SIP Trunk Profile**.

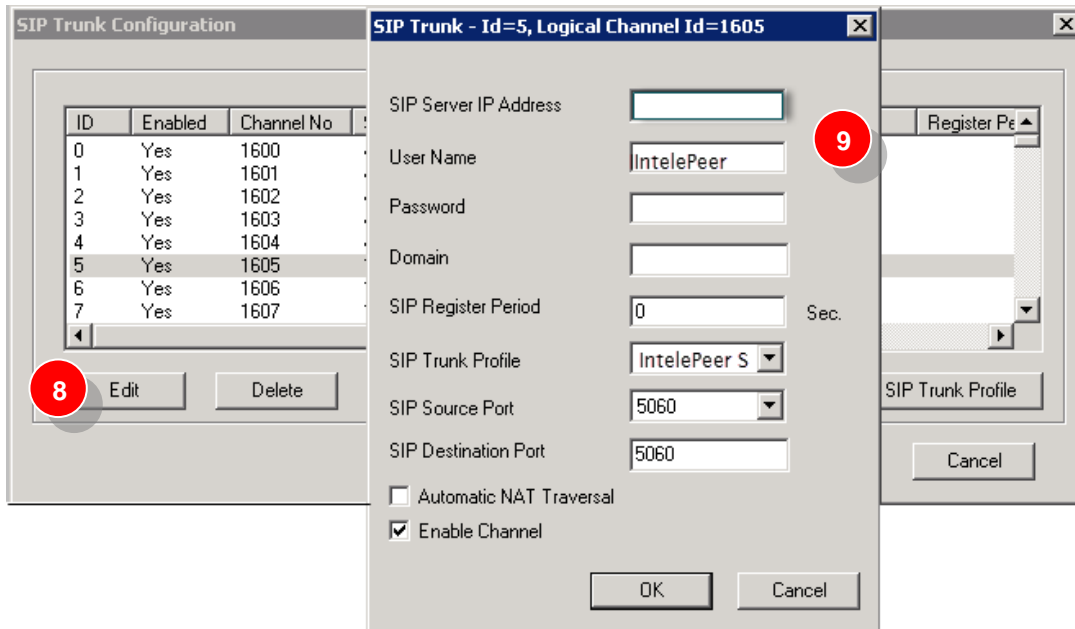


- 5 In the SIP Trunk Profile window, click **Add** to add a new profile.



- 6 Enter the name *IntelePeer* for this new profile, and then click **OK**.
- 7 Adjust the default settings as needed, and then click **Apply** and **OK**.
- 8 In the SIP Trunk Configuration window, select any available trunk channel and then click **Edit**.





- 9 Enter the following information:
  - For the *SIP Server IP Address*, enter the gateway IP address.
  - Enter **IntelPeer** as the *User Name*.
  - Enter the domain provided to you by IntelPeer.
  - Select the *IntelPeer* SIP Trunk profile.
  - Check **Enable Channel**.
- 10 Click **OK** to save the changes.
- 11 Click **OK** again, to close the SIP Trunk Configuration window.
- 12 A pop-up window may warn you to restart switching; ignore these instructions and click **OK**.
- 13 Click **OK** to close the Board Configuration window.

## Verify Configuration

At this point, you should verify the configuration and make sure that the voice path can be heard in both directions.

- 1 Make a call through the SIP trunk.
- 2 Receive a call through the SIP trunk (for convenience, call from your cell phone).
- 3 If you have several SIP trunks, make/receive several calls at the same time.

If the voice is not heard in both directions, please review the configuration steps to make sure you have configured the trunks properly. If you still have a problem, contact Altigen Communications.