# Configure Miscellaneous Settings in Regional Voice Parameters on SPA100 Series

## Objective

The objective of this document is to show you how to configure the miscellaneous parameters in regional voice settings on the SPA 100 Series.
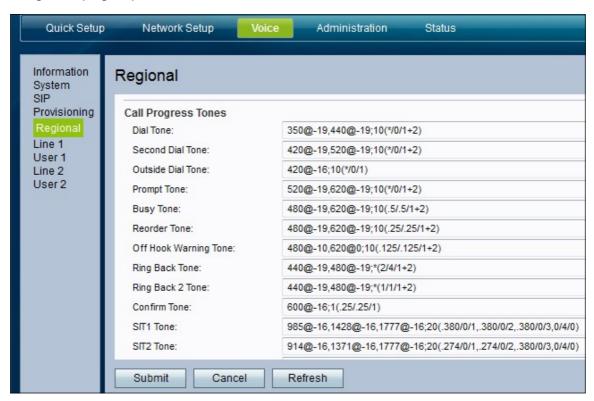
## Applicable devices

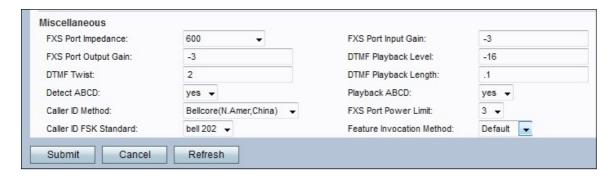• SPA100 Series Adapters

## Software Version

• 1.3.1 (003)

## Configure Miscellaneous Parameters in Regional Voice

Step 1. Log in to the Phone Adapter Configuration Utility and choose **Voice > Regional**. The *Regional* page opens:



Step 2. Scroll down to the Miscellaneous section.

Step 3. In *FXS Port Impedance* drop-down list set the electrical impedance of the FXS port. The Foreign Exchange Station (FXS) interface connects directly to a phone or fax machine and supplies ring, voltage, and dial tone. The options are:

- 600
- 900
- 600+2.16uF
- 900+2.16uF
- 270+750||150nF
- 220+850||120nF
- 220+820||115nF
- 200+600||100nF

Step 4. Enter the Input gain in dB in the *FXS Port Input Gain* field, it can be written up to three decimal places. The input value controls the sensibility of the microphone. The range is 6.000 to -12.000. It is set as -3 by default.

Step 5. Enter the Output gain in dB in the *FXS Port Output Gain* field, it can be written up to three decimal places. The output value controls the sensibility of the loudspeaker when activated. The range is 6.000 to -12.000. It is set as -3 by default.

Step 6.  Enter the local DTMF playback level in dBm in the *DTMF Playback Level* field, it can be written up to one decimal place. It is set as -16.0 by default. DTMF (dual tone multi frequency) is the signal to the phone generates when you press a telephone's keys,each pressed key  generates two tones of specific frequencies

Step 7. Enter the local DTMF playback duration in milliseconds in the *DTMF Playback Length* field.

Step 8. Enter the DTMF Playback twist level in dBmin in the *DTMF Twist* field.

Step 9. Choose **yes** to enable local detection of DTMF ABCD from the *Detect ABCD* drop-down list.

Step 10. Choose **yes** to enable local playback of OOB DTMF ABCD from the *Playback ABCD* drop-down list.

Step 11. Choose the caller ID method that you would like to apply to the call from the *Caller ID Method* drop-down list. The following options are available:

- Bellcore (N.Amer,China) — CID, CIDCW, and VMWI. FSK sent after first ring (same as ETSI FSK sent after first ring) (no polarity reversal or DTAS).

- DTMF (Finland, Sweden) — CID only. DTMF sent after polarity reversal (and no DTAS) and before first ring.

• DTMF (Denmark) — CID only. DTMF sent before first ring with no polarity reversal and no DTAS.

• ETSI DTMF — CID only. DTMF sent after DTAS (and no polarity reversal) and before first ring.

• ETSI DTMF With PR — CID only. DTMF sent after polarity reversal and DTAS and before first ring.

• ETSI DTMF After Ring — CID only. DTMF sent after first ring (no polarity reversal or DTAS).

• ETSI FSK — CID, CIDCW, and VMWI. FSK sent after DTAS (but no polarity reversal) and before first ring. Waits for ACK from CPE after DTAS for CIDCW.

• ETSI FSK With PR (UK) — CID, CIDCW, and VMWI. FSK is sent after polarity reversal and DTAS and before first ring. Waits for ACK from CPE after DTAS for CIDCW. Polarity reversal is applied only if equipment is on hook.

• DTMF (Denmark) with PR — CID only. DTMF sent after polarity reversal (and no DTAS) and before first ring.

**Note:** The default is Bellcore (N.Amer, China).

Step 12. From the *FXS Port Power Limit* drop-down list, choose a value for the field. The choices are from 1 to 8. The default is 3.

Step 13. Choose the caller ID FSK standard that you would like to apply to the call from the *Caller ID FSK* drop-down list. The default is bell 202.

Step 14. Choose the method that you would like to use for feature Invocation from the *Feature Invocation Method* drop-down list. The options are Default or Sweden default. The default is Default.

Step 15. Click **Submit** to save setting changes.