EVOLVE IP

SIP Trunk Guide

Standards for Evolve IP SIP Trunks

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Foreword

This guide is designed to provide details for Evolve IP SIP Trunk implementation. The standards and protocols shown below are based on industry best practices and represent Evolve IP's standard SIP Trunk offering.

Function	Preferred	Supported	Purpose
Signaling	RFC3261 and related	none	Application-layer control protocol for creating, modifying, and terminating sessions with one or more participants.
Authentication	SIP REGISTER method	IP Trust *	Security
Dialed Digits	E.164 format	10 digits OR 1 + 10 digits	Standardize on number format
CODEC	G.711	G.729	Convert voice signals to digital form
DTMF	RFC2833	In-band	Touch Tone handling

* IP Trust requires additional configuration

If we are providing a SIP Trunk to a PBX, additional configuration is required to support features such as call forwarding to an outside number.

Any solutions requiring additional configurations OR a solution that falls outside of the preferred or supported protocols and standards shown above shall be considered on an ICB basis. Evolve IP reserves the right to reject any solution based on ICB analysis.