



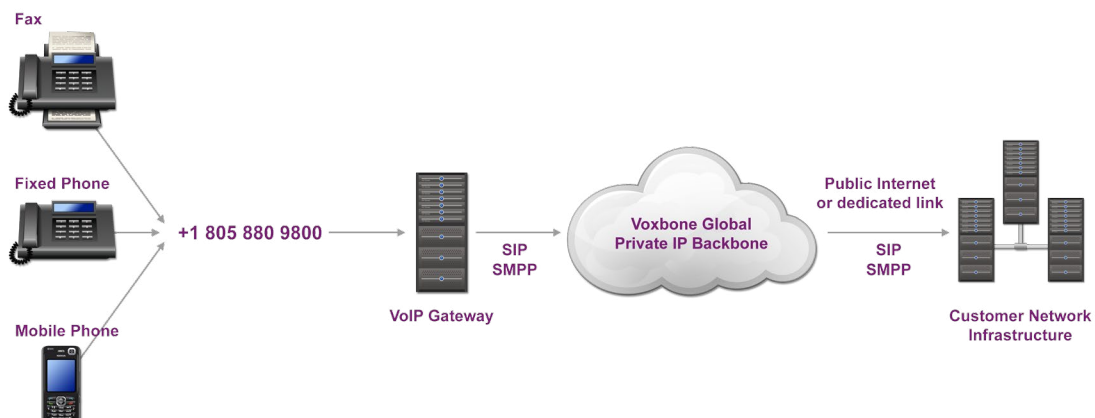
## Overview

**VoxDID allows customers to extend the international reach of their telephone network rapidly and with limited costs. Voxbone maintains a supply of mobile and geographical phone numbers from more than 55+ countries and 8,000 cities for direct inward dialing (DID). Calls to these telephone numbers are converted from PSTN to VoIP and are transported to anywhere in the world over Voxbone's intercontinental private IP backbone. In a growing number of countries, existing telephone numbers can be ported to the VoxDID service. Additionally, Voxbone offers its customers the ability to select special or "golden" numbers or number ranges as a value-added service.**

## How it Works

Voxbone operates as a licensed telecommunications service provider in 55+ countries. In the majority of these countries, Voxbone has its own telephone number ranges and local network infrastructure and has porting agreements with local operators and national regulators. In other countries, Voxbone has long-term leasing agreements with local Tier-1 carriers.

As illustrated in the following diagram, calls to these numbers originate from fixed or mobile telephone networks and are then converted to VoIP (SIP) by a VoIP/media gateway. The call is then routed via redundant IP links to the nearest SuperPOP in Brussels, New York, Los Angeles, Frankfurt or Hong Kong. From there, it can be transported to anywhere in the world via the public Internet or via a private interconnection with Voxbone's core network in the SuperPOP closest to the customer's network infrastructure. SMS on text messages are delivered over a SMPP connection. To ensure quality of service for call delivery via the public Internet, Voxbone directly interconnects with 12 Tier-1 global Internet carriers.



## Service Applications

VoxDID can be used for any application that requires inbound calling. Typical applications include:

- Mobile and geographical telephone numbers for OTTS, SIP trunking and cloud UC/PBX providers
- Secondary phone numbers for residential fixed or mobile subscriptions
- Virtual local telephone numbers for international businesses
- Internet-based value-added services such as speech-to-text and search
- International access numbers for:
  - Teleconferencing services
  - Voice applications and IVRs
  - Call centers
  - Calling-card service providers

## Technical Specifications

<b>Protocol</b>	SIP, SMPP
<b>Codecs</b>	G711a, G711µ, G729
<b>CLI</b>	E.164 CLI, localized CLI
<b>DTMF</b>	RFC 2883, SIP info
<b>FAX support</b>	T.38
<b>Failover</b>	DNS-SRV, backup URI
<b>Load balancing</b>	DNS-SRV
<b>Security</b>	TLS
<b>Other supported specifications</b>	RFC 3323 (Privacy mechanisms for SIP), RFC 5806 (Diversion indication in SIP)