

Voice Signalling and Media Conversion

Extend your reach and grow your profitability with our comprehensive suite of Voice services

Overview

Epsilon has designed its suite of managed voice services to make capturing new revenue in Voice simple and efficient. We support the growth of your Voice business with a tailored portfolio of services including TDM to IP media conversion, TDM to SigTran gateway, and managed SIP Transit services.

Our Voice Signalling and Media Conversion services bridges the TDM-VOIP worlds and provides protocol and media conversion coupled with integrated bandwidth for easier and smoother customer service turn up. For mobile and roaming purposes, our signalling service provides a TDM-to-IP SigTran Gateway to interconnect TDM and IP operators for the exchange of SS7 signalling over an IP network.

The SIP Transit service is designed for operators who may seek an international switching hub to route local interconnect traffic. It is aimed at saving bandwidth as no backhaul for non-domestic traffic is required.

We deliver our outsourced solutions using Epsilon's carrier-grade, high-availability Voice network offering end-to-end Quality of Service (QoS) and Experience (QoE) to ensure maximum call quality and Voice services for you and your customers.

SigTran



TDM to IP Conversion



Features

- TDM-to-IP SigTran Gateway
-
- SS7 Signalling Over an IP network
-
- 16:1 Bandwidth Compression
-
- Fully Managed and Outsourced Solutions
-
- End-to-End QoS & QoE
-
- Conversion Services
-
- Real-Time Network Monitoring
-
- VoIP Security
-
- Mobile Roaming Enablement

Benefits



A Simplified Approach

Through a single relationship with Epsilon, you can access a growing suite of Voice services and connect to local markets globally



High Availability

We combine end-to-end QoS and QoE with strict SLAs to guarantee the quality of your Voice services



Flexible Model

You can rapidly scale up your services to meet changing demands for Voice services globally



Reduce Cost

You can leverage our global network to serve growing demand without needing to invest in your own infrastructure



Fully Managed Services

We have a global team of experts and 24/7 customer-centric support to meet your every need and extend your business capabilities



Guaranteed Quality

With our Voice services, you can benefit from intelligent routing and network monitoring to boost performance

“We are committed to supporting our customers and partners’ success with voice based communications. Our Voice services have been developed to make it easy for our customers to move with and benefit from changes in technology, such as simplifying the migration from legacy circuit switched services to SIP by enhancing interconnect capabilities and supporting growth in profitability.”



Alison White

Head of Voice Business
Epsilon

Why Choose Us?

Trusted Provider

We have over 20 years of experience working with the industry and delivering reliable Voice services to the market

Intelligent Networking

Our bespoke, internally developed intelligent networking technology allows you to optimise Voice performance

Voice Experts

We have a global team of expert engineers that are continually innovating and growing our capabilities

Global Presence

We have a dense interconnect fabric of 600+ Network Service Providers available to connect to your Voice services

Unique Portfolio

Our Managed Voice services address the biggest challenges Voice Service Providers are facing globally

Deliver Complete Solutions

We enable you to combine a suite of Voice Gateway solutions, and global connectivity to meet the needs of your customers

Technical Specifications

RFC 3398	SS7 / SIP interworking
Q.1912.5	ISUP to SIP Header mapping
SS7	ANSI, ETSI and ITU versions
ISUP	Integrated Services User Part (Level 4 SS7)
SIP	Session Initiated Protocol
SigTran	SS7 signalling carried over IP
ISUP over SigTran	ISUP signalling carried via SigTran
29.163	ISUP to SIP service delivery

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