



# Managed Conversion Service

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.

The Managed Conversion Service 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.

## Services

Signalling Service, Media Conversion Service, and SIP Transit

## Features

- TDM-to-IP SIGTRAN Gateway
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- SS7 Signalling Over an IP network
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- 16:1 Bandwidth Compression
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- Fully Managed and Outsourced Solutions
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- End-to-End QoS & QoE
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- 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

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“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.”

### James Knowles

Director, Voice Business Unit  
Epsilon

## Why Choose Us?

### Trusted Provider

We have over 15 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

## Voice Gateway Solutions - SIGTRAN



## TDM to IP Conversion



### TECHNICAL SPECIFICATIONS

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

### Contact Us

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