

## Simplify Converged Switching in Emerging Networks

The ENTICE™ Tandem/International Gateway (E-TIG) Solution provides the capability to terminate and/or originate IP traffic to and from TDM networks around the world. Powered by the field-proven ENTICE (Emerging Networks Telecommunications Infrastructure Control Environment), this solution interworks with all networks around the world, whether they are H.323, SIP, ISDN, CAS or SS7.

The E-TIG provides carrier-grade call control, translations, routing and OAM&P services on a customizable platform, enabling cost-effective deployment of converged solutions ranging from 384 ports to a single POP of over 28,000 non-blocking (fiber-connected) ports. For larger deployments, this can be extended to over 100,000 non-blocking ports using VocalTec's virtual IMT (IP-based) technology. The E-TIG can process pure TDM traffic (without an IP leg) and TDM-to-IP traffic with equal ease, and, with the addition of the ENTICE Session Controller (E-SC), can also process IP-to-IP traffic.

## Dynamic flexibility and scalability that can address future needs

Carrier-class reliability and centralized element management ensure the continuous availability and operational simplicity of VocalTec's Tandem/ International Gateway solutions. E-TIG supports live updates and dynamically loadable applications, minimizing downtime when adding or enhancing features.

Using SOAP technology, carriers can add their own front-and back-end interfaces to the element management system, which presents a unified methodology for configuring complex multi-vendor networks.

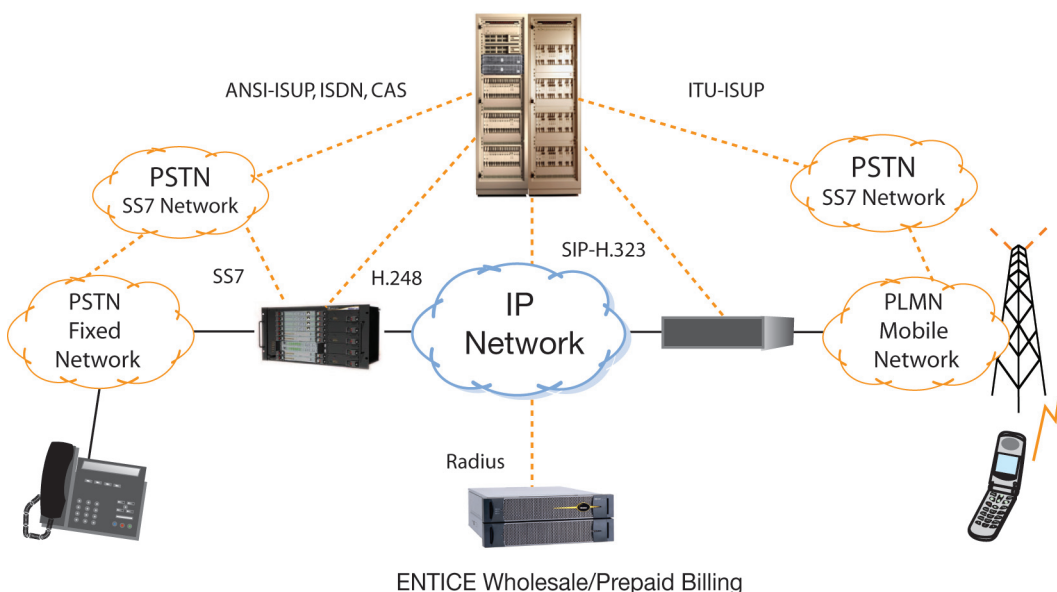
VocalTec's ENTICE Tandem/International Gateway is a flexible solution that can be scaled and adapted to address future needs. Using open APIs, carriers can modify features, customize solutions, or integrate third-party applications—without the need to deploy new software generics. Extensive routing features enable carriers to optimize their route plans to meet customer requirements.

## Benefits

- Processes TDM/TDM, IP/TDM, or IP/IP traffic\*
- Flexible routing features provide capability to optimize route plans
- Modular, open architecture enables customizable solution
- Built-in APIs ensure rapid deployment of new applications
- Centralized element management streamlines network administration
- Distributed architecture facilitates expansion to over 100,000 ports
- Optional applications include billing, prepaid/ prepaid/postpaid card modules and and residential/enterprise VOIP

\*Optional VocalTec ENTICE Session Controller is required for processing IP/IP traffic

## VocalTec's Tandem/International Gateway Solution



Designed for converged networks anywhere in the world, the VocalTec Tandem/ International gateway solution provides carrier-grade call control, translations, routing and OAM&P services on a customizable platform.

## A Flexible, Converged Switching Solution For International Networks

### The Problem

The explosive growth of packet-based networks coupled with the economic realities of legacy network investments is spurring carriers to find feasible ways to converge voice and data traffic. Wholesale carriers recognize the need for a converged switching architecture in order to offer competitive services at reasonable prices in an evolving network. The ideal solution should offer carrier-grade reliability, scalability of both port count and SS7 signaling power, and an architecture that supports rapid service deployment.

### The VocalTec Tandem/International Gateway

The VocalTec Tandem/International Gateway solution serves as the interface between packet-based and TDM networks, processing all combinations of network traffic (TDM/TDM, IP/TDM, IP/IP) with equal ease. Flexible routing capabilities, including least-cost, time-of-day, and percentage routing, enable carriers to optimize their route plans to address customer requirements.

### Reliable and Scalable

Based on industry proven hardware from Dialogic, Audiocodes or Lucent combined with ENTICE controllers from VocalTec the E-TIG solution is capable of translating and interworking with signaling protocols from countries around the world. A 14,000- port system can be configured with a single SS7 point code to minimize network costs, or it can be configured with up to 56 point codes to provide SS7 gateway services between various networks. The solution can easily be expanded to over 100,000 ports using an IP core and combining switch elements into a single entity. VocalTec is the world leader in reliability and availability and offers the E-TIG on a range of hardware. For service providers seeking the same continuous level of availability employed by many of the top telecoms and Fortune 100 companies, E-TIG is offered with controllers based on the VocalTec ftServer® platform running Red Hat® Linux® and featuring six 9's of hardware availability and optional NEBs compliance. For other customers E-TIG running with a VocalTec high availability platform featuring Red Hat Linux,

**The VocalTec Tandem International Gateway Delivers - Offers carriers protocol translation, flexible routing capabilities, and a unified service creation environment**

### About VocalTec

VocalTec Communications (Nasdaq: CALL) is a global provider of carrier-class multimedia and voice-over-IP solutions for communication service providers. A pioneer in VoIP technology since 1994, VocalTec provides proven trunking, peering and residential/enterprise VoIP application solutions that enable flexible deployment of next-generation networks (NGNs). Leveraging a unique combination of cutting-edge technologies and interoperable solutions, VocalTec maintains a solid track record of successful deployments worldwide. VocalTec has played a central role in the implementation and support of dozens of advanced telecom solutions, specializing in the smooth migration of voice networks from TDM to IP. Partnering with prominent system integrators and equipment manufacturers, VocalTec serves an installed base of leading carriers.

[www.vocaltec.com](http://www.vocaltec.com)

Specifications and descriptions are summary in nature and subject to change without notice.

redundant power and RAID disk arrays is sufficient.

### Service Delivery

Service providers who are looking to further enhance their revenues by adding in demand services to their networks need look no further. Because the E-TIG uses the same ENTICE architecture as other VocalTec ENTICE solutions, additional components can be added to an E-TIG to allow the delivery of exciting services such as residential broadband voice services, hosted PBX and prepaid card services.

Because these components are based on a single architecture and come from a single vendor, service providers can eliminate much of the cost and complexity of adding popular services to their network. Because the E-TIG is an open solution, a vendor can also add solutions and services from a wide variety of other vendors to grow their business.

### Customizable

With its flexible and scalable architecture, the VocalTec E-TIG allows you to minimize risk while meeting the demand for safe, reliable interconnect and control of your networks. In addition, the E-TIG features open front-end and back-end interfaces based on SOAP technology and open API's. This allows them to be easily integrated into other front-end or back end systems and allows new services to be implemented quickly. Additionally, E-TIG solutions feature a custom application interface based on Java and C++ that can be further used to create and deploy new innovative features quickly without disrupting the stability of the base system. VocalTec's global professional service and customer service groups provide solution deployment, integration, and round-the-clock support.

### Features

- Fully-distributed open architecture
- Support for SS7, ISDN, CAS, H.323, SIP
- Least cost, time-of-day, and percentage routing
- Service creation environment
- Supports micro-rebooting
- Scales to over 100,000 ports
- SOAP-based element management

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