

Welcome to Quintum's Tenor[®] Notes for August, 2004

- ◆ **Quintum Now Supports SIP and H.323 on all Tenors!** The newest generation of Tenors is now able to support both H.323 and SIP protocols. Session Initiation Protocol (SIP) has been added to the latest software code for the Tenor MultiPath Switch products, thus allowing the Tenor products to recognize inbound H.323 and SIP calls, and process them on a call by call basis. Users will also be able to configure the call signaling preferences for outbound calls which will be handled based on the preferred signaling.

Quintum has tested and confirmed that Tenors are interoperable with SIP phones, VoIP gateways, terminal adaptors and SIP softphone products, as well as SIP proxies from many well known manufacturers.

First generation models of Tenors will be software upgradeable to SIP, but users will need to select either H.323 or SIP. Please check our Technical Note for any additional limitations that may affect the earlier models of Tenors. For complete information on the SIP release, please download our Technical Note, which can be found at: http://partners.quintum.com/files/prod_lit/SIP_Introduction_Aug04_Final1.pdf

- ◆ **Quintum's Next Generation of Tenors.** You've heard several announcements from Quintum on our newest generation of Tenors and their capabilities. The Next Generation of Tenors includes the new **Tenor AS**, which offers a two or four port model, with new station side (all FXS ports) VoIP gateway configurations to support CPE to VoIP gatewaying applications such as remote extension. The new **Tenor AX** offers a choice of 8, 16 or 24 ports of simultaneous VoIP calls, and an enterprise configuration for PSTN back up and 911 support. The **Tenor DX** provides up to 4 T1/E1/PRI spans. Here are the common features for the new generation:

- ◆ Tenors now **support both H.323 and SIP protocols**;
- ◆ Tenors can be **configured for either Gateway or MultiPath functionality**, allowing for all FXS, all FXO or a combination of port configurations;
- ◆ Support for the new **Tenor Monitor** VoIP network monitoring tool;
- ◆ **Configuration Manager** software to easily set up your Tenor network;
- ◆ **Codec Auto-Negotiation**;
- ◆ **Universal Dial Plan**;
- ◆ **IVR/RADIUS AAA Compliance**.

Of course, Tenors still have our patented SelectNet™ Technology, as well as PacketSaver™ and NATAccess™ Technologies. Now the New Gen of Tenors are even more adaptable and functional than ever! Check them all out on our website at: http://www.quintum.com/main/tenor_series.html

- ◆ **New Case Study on Quintum's Website:** Techland Group, Quintum's distributor in the UK, implemented a VoIP network for Christie & Co., the leading business agent in the UK, operating both nationally and internationally, specializing in the hotel, licensed, leisure, care and retail commercial property markets. The challenge was to tie together its varied telephony infrastructure, maximize the excess bandwidth it had, and free it from its dependence on PBX switch vendors and service providers. Two key requirements that Quintum was able to uniquely support were; 1) minimize the impact on the existing telephony infrastructure and users and 2) assure high voice quality all the time – independent of what might occur on the IP network.

Christies successfully deployed Quintum Tenors with its unique MultiPath configuration that allowed that VoIP solution to be deployed transparently to the existing voice network and its users. The Tenor deployment also utilized Quintum's SelectNet™ feature which assures the QoS of their voice calls, including the calls in progress, by dropping back to the PSTN in real time if there is any problem on the IP network. ROI was achieved in only a few months. In fact, the deployment was so transparent that neither the Board members nor the employees were aware that they were using VoIP! Read the complete case study at: http://partners.quintum.com/files/prod_lit/Christies_casestudy.pdf

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