

## **Tektronix Launches True End-to-End Performance Monitoring/Testing Solution for IMS**

### **Unified Assurance Solution Provides Necessary Visibility to Manage IMS Networks and Services in a Converged Fixed Mobile Environment**

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Tektronix, Inc. , a leading worldwide provider of communications network management and diagnostics solutions, announced further extensions of IP Multimedia Subsystem (IMS) performance monitoring capabilities to its industry-leading Unified Assurance suite to enable true end-to-end performance monitoring and testing of current and next generation fixed, mobile and converged networks. Expanding on its leadership position and experience offering the most advanced performance monitoring and diagnostic test tools for fixed and mobile networks, Tektronix' IMS solution provides network operators the service view necessary to manage the inherent complexity and achieve interoperability with non-IMS environments in the early field trials and commercial deployments of IMS networks.

The promise of IMS provides distinct advantages of any service, anytime, anywhere to enhance the customer's experience. For network operators, the multi-network IMS services forces them to manage the customer experience by viewing their networks from a service perspective first, a paradigm shift from previous methodologies. As a result, it is imperative to have full visibility into end-to-end network performance with timely information that accurately represents end users' experience, enabling real correlation between customer quality of experience (QoE) and network quality of service (QoS).

"For network operators offering IMS-based services, ensuring a high quality customer experience is a key element of success," said Doug Dickerson, Vice President, Network Management, Tektronix. "Tektronix' Unified Assurance platform, which provides the foundation for our IMS solution, enables the operator to monitor service quality and customer experience in real time throughout the deployment of IMS networks and services."

#### **Tektronix' IMS Solution Portfolio: Well-Designed, Proven Test, Diagnostics & Network Management Offering**

Already the market leader in SIP-based and IMS network performance monitoring, Tektronix has enhanced the Unified Assurance suite to include additional IMS technical capabilities and protocol support. Together with its market-leading portfolio of diagnostic and mobile protocol test equipment, comprising IMS functional and load test solutions, Tektronix offers a well- designed and proven test, diagnostics and network management offering to address the IMS architecture complexity and interoperability challenges that network operators are facing. Tektronix' IMS solution has been deployed with key customers as they prepare for the transition to the IMS network architecture.

With its extensive experience in IP and mobile test, Tektronix test and diagnostics products enable faster time to market and time to revenue for innovative fixed mobile convergence solutions, such as IMS. Tektronix' network diagnostics portfolio includes IMS load test and a fully-configurable IMS functional test platform. Tektronix also supports Berlin-based Fraunhofer Institute for Open Communication Systems (FOKUS) and its Open IMS Playground Laboratory, the leading IMS open test lab in Europe, with its IMS diagnostics solutions.

Tektronix' Unified Assurance product suite provides network operators a comprehensive, vendor-

independent view of the performance of IP multi-service networks and services. This powerful system provides real time, multi-protocol/interface network, service and customer monitoring of next generation IP, legacy, mobile and core networks.

#### Unified Assurance Key Features & Capabilities

- UA provides a proactive approach to monitor the quality of the customer experience for new IMS-enabled multi-network applications. End-to-end based key performance indicators and key quality indicators are delivered for IMS applications, such as:
  - Converged voice (fixed mobile convergence)
  - VoIP (hosted VoIP, IP Centrex)
  - Peer to peer video services (mobile to mobile multi-media services)
  - Presence based applications (unified messaging, push-to-talk)
- UA's service quality visibility enables network operators to prioritize and manage operations activities according to actual service experience being delivered, and proactively track the quality of service experienced by customers to maintain high customer satisfaction.
- UA provides unparalleled fault isolation, diagnosis and troubleshooting capabilities with its industry-leading correlation and drill-down features, allowing operators to quickly identify when network-related issues are impacting revenue generating services.
- UA offers complete support of IMS-enabling technologies delivered over multi-technology fixed and wireless networks (2G, 2.5G and 3G), including:
  - SIP, H.248/GCP, BICC, HTTP, WAP, SMS & MMS
  - RTP, RTCP, RTSP
  - DNS/ENUM, DHCP, RADIUS & DIAMETER
  - GPRS/UMTS/UTRAN access networks
  - UMA access networks
  - Fixed Broadband access networks

#### About Tektronix

Tektronix is a leading supplier of test, measurement, and monitoring products, solutions and services for the communications, computer, and semiconductor industries -- as well as military/aerospace, consumer electronics, education and a broad range of other industries worldwide. With 60 years of experience, Tektronix enables its customers to design, build, deploy, and manage next-generation global communications networks, advanced and pervasive technologies. Headquartered in Beaverton, Oregon, Tektronix has operations in 19 countries worldwide. Tektronix' Web address is [www.tektronix.com](http://www.tektronix.com) .

Tektronix provides network operators and equipment manufacturers a comprehensive and unparalleled suite of network diagnostics and management solutions for fixed, mobile, IP and converged multi-service networks. These solutions support such architectures and applications as fixed mobile convergence, broadband wireless access and triple play services, including IPTV. Learn more about Tektronix' communications test, measurement and network monitoring solutions by visiting [www.tek.com/communications](http://www.tek.com/communications) .

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