

EANTC

Welcome to the August Newsletter from EANTC – The European Advanced Networking Test Center.

Light Reading Publishes Results of EANTC Test of ZTE's and Alcatel-Lucent's 100 Gigabit Ethernet-Enabled Routers

EANTC and Light Reading set up a public test program aimed to provide operators with an unbiased, empirical view of the 100 Gigabit Ethernet routers coming to the market. The aim was to demonstrate true 100 Gigabit Ethernet performance and service scalability as part of an energy-efficient, future-proof service provider solution. ZTE Corporation, China's largest listed telecom equipment company, was the first to submit their core router to our open test program. The router passed our performance, service scalability and power efficiency test without difficulties. We put Alcatel-Lucent's 7750SR6 router to the test as well; it showed impressive results. In-depth test reports of the two products have been published by Light Reading.

EANTC is Accredited Training Provider for MEF's New Carrier Ethernet Professional Certification



MEF Accreditation Ceremony
Mike Volgende, MEF Chairman
and Carsten Rossenhövel

The MEF (Metro Ethernet Forum) has accredited EANTC as a training provider (MEF-ATP) for its Carrier Ethernet professional certification program. This program is designed for telecommunications professionals seeking to enhance and validate their expertise in Carrier Ethernet technologies, standards, services and applications. MEF Carrier Ethernet Certified Professional (MEF-CECP) certification is awarded on the basis of MEF-proctored tests developed by distinguished leaders and experts in the Carrier Ethernet industry.

EANTC's managing director, Carsten Rossenhövel, and technical lead engineer Sergej Kaelberer are among the first group of 61 MEF-CECPs announced in July. Carsten and Sergej participated in the pilot phase of the MEF-CECP test earlier this year and passed the three-hour beta exam with 156 questions.

The MEF Carrier Ethernet Certified Professional (MEF-CECP) is the first certification developed by an industry forum focusing Carrier Ethernet education. Professionals acquire the skills needed to design, manage or implement Carrier Ethernet networks, services and applications. Formal training is provided through a select group of MEF-ATPs, including EANTC. *(continued on page 2)*

In this Issue

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EANTC and Light Reading set up a public test program to provide operators with an unbiased, empirical view of the 100 Gigabit Ethernet routers coming to the market.

Accredited Training Provider for Carrier Ethernet Professional Certification

EANTC has been accredited by MEF to provide training for this industry-first certification program

Cisco MPLS-TP Test

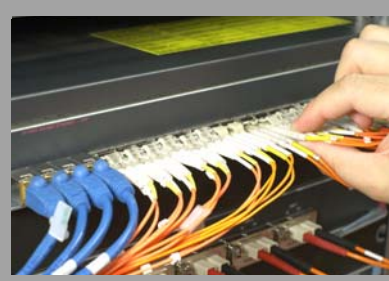
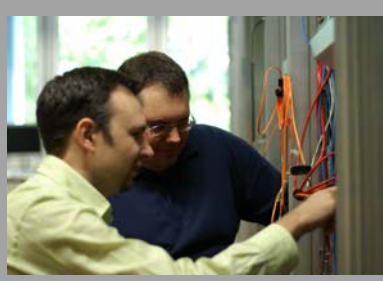
We were commissioned by Cisco Systems to conduct an in-depth review of their new MPLS-TP implementation

Carrier Ethernet World Congress 2011

Upcoming public multi-vendor Carrier Ethernet Interoperability test and showcase

Broadband Forum GPON Plugfest 15

EANTC has been invited to organize the next GPON plugfest of the industry forum



As well as receiving an official certificate, MEF-CECPs are listed on a directory published on the widely visited EthernetAcademy.net.

Cisco MPLS-TP Test

EANTC was commissioned by Cisco Systems to conduct an in-depth review of Cisco's new MPLS-TP implementation across three switching platforms (CRS, ASR9000, 7600) and a management solution. We took a look at MPLS-TP linear protection and the integration of IP/MPLS and MPLS-TP networks regarding pseudowire transport and fault management (OAM). Cisco's MPLS Transport Profile implementation, coupled with *Cisco Prime Network* demonstrated a robust solution aimed at service providers looking to move into an Ethernet-based connection-oriented transport solution.

Using *Cisco Prime Network* we were able to visualize transport services and display failure events to using a graphical user interface. For MPLS-TP services these management capabilities are critical for delivering high-quality services. We were able to verify that the MPLS-TP toolkit provided by Cisco is mature, standards-based and robust.

Upcoming Carrier Ethernet World Congress 2011

The seventh CEWC will be held from October 10 to 13, 2011, in Hotel Okura, Amsterdam, Netherlands. With more than 700 attendees last year, it is the largest conference and exhibition for the Ethernet networking and services industry. This event attracts the highest echelons of the packet transport industry – 153 C-level delegates attended in 2010. It is an ideal forum to network, do business, and learn about Carrier Ethernet technologies, standards and business models.

In collaboration with IIR Telecoms, EANTC will showcase advanced CE solutions in end-to-end scenarios with other industry leading vendors. This year's public multi-vendor interoperability showcase will focus on the following topics:

- IEEE 1588 and SyncE for clock synchronization
- In-depth Ethernet Ring Protection Switching (ERPS) feature interoperability
- Service OAM focusing on performance monitoring
- Interoperable management and service provisioning
- Microwave technology as a replacement for fiber

EANTC will verify the test results in detail during a two-week hot-staging at our Berlin lab, from September 12 to 23. We will document successful test results in an extensive test report.

Along with participating vendors, we will design and implement a comprehensive end-to-end core, metro and access network, and showcase applications to demonstrate usage of such network services.




[IIR conference registration for CEWC 2011.](#)

Broadband Forum GPON Plugfest 15

Service providers need to deliver increasing amounts of bandwidth to residential subscribers while limiting investment in active components. Passive Optical Network technologies such as Gigabit PON (GPON) can help, because they enable the use of passive splitters throughout the physical topology.

EANTC has been invited by the Broadband Forum to organize the next GPON plugfest at our premises in Berlin. This month, we have begun discussing the test plan for GPON with vendors and the Broadband Forum. Manufacturers of Optical Line (OLT) and Optical Network Terminals (ONT) are invited to test multi-vendor GPON interoperability at EANTC, Oct 24–28. This event provides a great opportunity to perform tests with fellow players in this fast-developing market. Vendors are invited to contribute to the test plan by sharing their ideas with us.

Upcoming Events

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|  | <p>MEF-CECP Seminar Berlin, October 17-21, 2011 Registration required</p> |
|  | <p>Carrier Ethernet Interoperability Test: Service Provider Day Berlin, September 22, 2011 By invitation only</p> |
|  | <p>Carrier Ethernet World Congress and Carrier Ethernet APAC 2011 Amsterdam, October 10–13, 2011 Singapore, Nov 30–Dec 2, 2011</p> |