

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

Seasons Greetings

At the end of a successful year, we would like to thank our customers and partners for the trustful collaboration in 2009. We enjoyed working with you at the various events and testing projects throughout the year!

Best wishes to you and your family — Happy holidays and a peaceful and successful New Year 2010.

Your EANTC Team

Green light for the world's most advanced Carrier Ethernet interconnect test program

EANTC, partnering with European telehouse Ancotel and Light Reading, the leading media company in the worldwide communications industry, is pleased to announce the launch of a new extensive test program for service providers to validate and showcase end-to-end Carrier Ethernet services across multiple carriers.

Service providers worldwide are challenged to offer functionally advanced, manageable and scalable Carrier Ethernet services with a global footprint. To address this issue, EANTC and Ancotel will stage a centralized Global Interconnect test infrastructure

using External Network-Network Interfaces (ENNI) as specified by the Metro Ethernet Forum (MEF).

The pilot testing program is scheduled to kick off with a technical Hot Stage Event in January. The goal of the extensive testing program lies in supporting advanced evaluation providing a real technical value. The results will be showcased at various events in 2010, including Ethernet Expo London and Ethernet Expo New York.

In the course of the test program running throughout 2010, EANTC will focus on validating advanced Carrier Ethernet interconnects by evaluating functionality, resilience, as well as SLA support. The goal is to accelerate wide deployment of interconnections by testing against a common standard.

Service providers looking to evaluate their Carrier Ethernet services interconnections in a public, independent, multi-party effort can register with Carsten Rossenhoevel (cross@eantc.de).

Detailed information on the test campaign will be made available in an independent test report published by Light Reading and, as always, on EANTC's web site at www.eantc.com

Upcoming Events

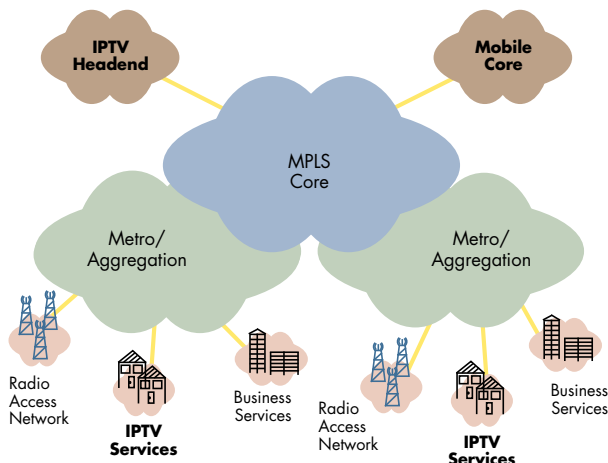
We look forward meeting you at:

- MPLS & Ethernet World Congress (MPLSEWC) and Ethernet Wholesale Summit 2010 in Paris, France, February 9-12, Marriott Rive Gauche Hotel: Visit our live vendor interoperability showcase
- Carrier Ethernet Global Interconnect Test (CEGI) Program for service providers
- Live showcase (results of pilot phase) at MPLS & Ethernet World Congress and Ethernet Wholesale Summit 2010 in Paris (see above)

In this Issue

Carrier Ethernet Global Interconnect	Announcing the Global Interconnect Test Program. Test results presented at various events in 2010
MPLS & Ethernet World Congress	Introducing EANTC's upcoming multi-vendor interoperability test in Paris (February 2010)
SITLine ETH VLAN Test	Test report of Rohde & Schwarz's encryption device

MPLS & Ethernet World Congress 2010 Public Interoperability Test



EANTC is delighted to invite you to join us and other vendors at the upcoming live interoperability test at the 12th MPLS and Ethernet World Congress in Paris, Feb 9-12, 2010. The world's number one MPLS event is organized by Upperside Conferences.

Our multi-vendor interoperability showcase will once again provide a premier platform within the telecom industry to demonstrate state-of-the-art technology standards.

At the event, EANTC will present the results of a two-week hotstaging event with the Carrier Ethernet and MPLS implementations of multiple vendors tested in many combinations:

- IP/MPLS and Optical integration
- Multicast/IPTV services
- Mobile Backhaul clock synchronization (IEEE 1588, Synchronous Ethernet)
- MPLS Transport Profile (TP) Evolution

For the first time, the *Ethernet Wholesale* conference will be held in parallel this year, dealing with service provider wholesale offers, specifically in relation to regulation on unbundling and wholesale of mobile backhaul services.

Rohde & Schwarz SITLine ETH VLAN encryption device tested

Having tested the Rohde & Schwarz SITLine ETH encryption device in 2008, EANTC continued the test series with the company's new device generation this year. The Rohde & Schwarz SITLine ETH VLAN has added support for multiple virtual connections per device port, thereby allowing the customer to use the device also for connecting several Virtual Private Networks (VPN) sites with each other.

The device successfully passed the EANTC tests, validating performance, functionality, and security management capabilities of the new SITLine ETH VLAN device. The results fundamentally confirmed the device's ability to encrypt Ethernet traffic without impacting network performance.

As in the previous test, two variants of the devices exist and were tested: The 2-port Gigabit Ethernet device SITLine ETH VLAN 1G and the 8-port Fast Ethernet device SITLine ETH VLAN 100. Each device can handle up to 4,000 different Secure Links using VLAN IDs according to IEEE 802.1q. For each VLAN ID a separate Secure Link is established to one remote encryption device. This allows the customer to set up several Secure Links from the same encryption device to different remote encryption devices sitting on different locations

The test environment was based on an MPLS network containing three MPLS provider edge (PE) routers with appropriate pseudowires configured.

With regard to functionality, the devices successfully proved their capabilities to not only automatically establish secure links but also to recover them. Other highlights included automatic VLAN ID scanning and device redundancy service without interruption.

The performance tests also produced some excellent results, showing nearly line rate throughput, very low forwarding latency, and the ability to handle up to 4,000 secure links in parallel.

Further information and detailed test results are available at www.eantc.com/test-reports

