

PRESS RELEASE**Ericsson and Deutsche Telekom succeed in a joint European 100G R&D field trial (100GET) on existing optical platform**

Ericsson (NASDAQ: ERIC) and Deutsche Telekom have successfully made a field trial of higher bandwidth optical transmission. Besides others, Ericsson and DT are engaged in the public funded R&D project 100GET, where this test took place. The new technology (delivered in this trial from the Marconi MHL 3000 WDM platform) will accommodate customer's steady growing broadband services in fixed and mobile broadband networks. By augmenting capacities significantly on existing fiber networks, the optical transport system helps network operators to scale with incremental Capex and to reduce power consumption per bit and thereby the cost substantially.

More and more people enjoy IPTV and video over the Internet. More and more business situation demands audio materials to be sent over the network. These cause a dramatic rise in the amount of bandwidth needing transport across the network. There is a need to widen the whole transport system. To cope with this extra capacity, and especially the links between routers in the core of fixed and converged networks, the optical industry is migrating to a series of higher-speed transport standards. Ericsson is at the forefront of this progress as evidenced by ongoing 40G customer roll-outs and now the advancing of its 100G roadmap to respond to additional early customer demand by upgrading deployed Marconi MHL 3000 systems.

Hans-Dieter Haag, member of CTO-organization within Deutsche Telekom's HQ said: "For today's and future transport networks, a flexible optical transport plane is an unquestioned necessity both regarding technical and commercial scaling. This leverages the value of our exiting fiber assets and helps us to cope with the bandwidth – revenue paradoxes. Further more, it is a key technology to support our efforts in corporate sustainability and power efficiency. Deutsche Telekom is actively contributing to the definition of various 100G standards. We are pleased to see the continuous scaling capabilities of already deployed equipment with mixed 10G & 40G traffic to be used even for the transmission of 100G channels."

Håkan Eriksson, Senior Vice President and CTO of Ericsson said: "100G transmission is at the cutting edge of optical technology and is expected to become a key requirement for many network operators in the coming years. It is an excellent fact that Ericsson is already now displaying our capabilities to demonstrate the technology and work closely with customers like Deutsche Telekom and standards bodies to refine the technology."

For the demonstration, an existing link with mixed 10G and 40G traffic with a 50 GHz channel spacing was used. A line rate of 112 Gbit/s was achieved using polarization multiplexed RZ-DQPSK and a fast polarization tracker over 600 km standard SMF. The link included multiple ROADMs and unequally distributed amplifiers. With links optimized for distance, more than 1200 km optical path length is possible and have demonstrated in lab environments.

In the course of the running R&D project 100GET, DT and Ericsson will continue with field trials throughout 2009 and further cooperate closely with customers to determine the best modulation formats to ensure that the products fit future requirements.

DT and Ericsson continue to drive ongoing industry research and standardization on high-speed optics. For example on 40GbE and 100GbE with IEEE, with the ITU-T for the use of new

generation OTN's OTU-4 digital hierarchy for up to 112Gbit/s and with the OIF for long-haul 100G transmission.

Ethernet is now the preferred interface for transport of packet applications and 100GbE represents a ten-fold increase in bandwidth compared to what is commonly used in Ethernet today.

Notes to editors:

Ericsson's WDM platform is the Marconi MHL 3000, read more [here](#).

Ericsson's standard multimedia content is available at the broadcast room:
www.ericsson.com/broadcast_room

Ericsson is the world's leading provider of technology and services to telecom operators. The market leader in 2G and 3G mobile technologies, Ericsson supplies communications services and manages networks that serve more than 250 million subscribers. The company's portfolio comprises mobile and fixed network infrastructure, and broadband and multimedia solutions for operators, enterprises and developers. The Sony Ericsson joint venture provides consumers with feature-rich personal mobile devices.

Ericsson is advancing its vision of 'communication for all' through innovation, technology, and sustainable business solutions. Working in 175 countries, more than 70,000 employees generated revenue of USD 27 billion (SEK 209 billion) in 2008. Founded in 1876 and headquartered in Stockholm, Sweden, Ericsson is listed on OMX Nordic Exchange Stockholm and NASDAQ

For more information, visit www.ericsson.com or www.ericsson.mobi.

FOR FURTHER INFORMATION, PLEASE CONTACT

Ericsson Corporate Public & Media Relations
Phone: +46 10 719 69 92
E-mail: press.relations@ericsson.com