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## ERICSSON AND TELSTRA SUCCESSFULLY TRIAL 1TBPS OPTICAL LINK

- Telstra and Ericsson have successfully conducted the first trial of 1Tbps technology in Australia over 995km of an existing optical fiber network
- Ericsson and Telstra test the fastest ever optical connection in Australia
- Ericsson demonstrates terabit technology leadership by moving ultra-fast transmission from the lab to verify its functionality in an existing optical network

Ericsson (NASDAQ:ERIC) announces the successful trial of its 1Tbps (terabit per second) optical transmission equipment over Telstra's fiber optic network. One terabit is equal to 1000 gigabits.

The successful test over the 995 kilometer optical link between Sydney and Melbourne in Australia shows it is possible to deploy 1Tbps technology in a real network environment. Furthermore, when 1Tbps is commercialized, operators will be in a position to deploy it to meet their capacity requirements.

Telstra Director Transport & Routing Engineering, David Robertson says: "We are currently upgrading our optical transmission networks with Ericsson's next generation 100Gbps technology and this trial demonstrates that the higher 1Tbps speeds are possible.

"The trial has proven that our existing optical cable plant can support Tbps channels along with 40Gbps and 100Gbps channels simultaneously on the same fibre, verifying that we have the ability to increase capacity on our existing fiber cables when required." Alessandro Pane, Head of Ericsson R&D Optical Transmission, says: "Like so many developed countries, Australia is a very technologically advanced market and Australians are sophisticated users of broadband and mobile technology. In addition, there is widespread smart phone, tablet, IPTV and HDTV take-up. Supporting all these services requires an ever-growing capacity in backhaul and inter-city transmission.

"Telstra is a key account for Ericsson and we frequently partner to trial new technology and products. This trial provides insights that are valuable to the Australian market and operators worldwide."

## PRESS RELEASE

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Ericsson recently announced it will provide Telstra with the SPO 1400, the latest packet optical transport platform (POTP) for the metro and the MHL 3000 for long-haul applications with 100Gbps service support. The trial tested a 1Tbps line card in the MHL 3000.

Ericsson's terabit solution, which was used in the trial, has some important advantages: the optical characteristics are software configurable; innovative frequency packing for high spectral efficiency; and advanced forward error correction for superior performance of the communications channel.

### NOTES TO EDITORS

Download high-resolution photos and broadcast-quality video at [www.ericsson.com/press](http://www.ericsson.com/press)

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*Our offering comprises services, software and infrastructure within Information and Communications Technology for telecom operators and other industries. Today 40 percent of the world's mobile traffic goes through Ericsson networks and we support customers' networks servicing more than 2.5 billion subscriptions.*

*We are more than 110,000 people working with customers in more than 180 countries. Founded in 1876, Ericsson is headquartered in Stockholm, Sweden. In 2012 the company's net sales were SEK 227.8 billion (USD 33.8 billion). Ericsson is listed on NASDAQ OMX, Stockholm and NASDAQ, New York stock exchanges.*

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