



Press Release

San Diego, California, USA – March 22, 2010

Paving the way for rapid, cost-effective optical migration to 40G

New technology from Nokia Siemens Networks enables operators to smoothly upgrade to high-capacity optical networks

At the Optical Fiber Communication Conference in San Diego, Nokia Siemens Networks is demonstrating a new platform – the hiT 7300 coherent 40G transponder. This new optical networking technology enables service providers to rapidly transition to 40G optical transmission networks to support the growing subscriber demand for bandwidth-intensive applications.

“The increasing uptake in mobile broadband triggered by smart device usage and new Internet-based applications means we are all generating much more data traffic,” said Oliver Jahreis, head of product management DWDM at Nokia Siemens Networks. “Existing capacity constraints are leading many operators to consider undertaking the move to 40G. Our new 40G transponder makes the move easier, as it reduces costs for operators while ensuring lower latency and faster data services for their customers.”

The hiT 7300 coherent 40G transponder platform is easier to install than existing systems. It lets operators deploy 40G transmission systems without the costly and time-consuming fiber measurement currently required for other systems. In new deployments, operators can avoid even the need for dispersion compensating modules, leading to low-latency connections, simplified amplifier design and overall reductions in deployment costs and footprint. This also reduces the operating expenditure and speeds up service delivery.

In addition, the Nokia Siemens Networks transponder supports 40G transmission over older fiber – dating back to the 1990s and earlier – unlike existing systems. It utilizes the installed network infrastructure, thereby protecting the operator’s investments by using “coherent transmission” technology*, in particular a modulation format called CP-QPSK (coherent polarization multiplexed quadrature phase shift keying).

The transponder is designed to be seamlessly integrated into Nokia Siemens Networks’ hiT 7300 dense wave division multiplexing (DWDM) platform, which has been deployed for more than 80 customers worldwide.

About Nokia Siemens Networks

Nokia Siemens Networks is a leading global enabler of

telecommunications services. With its focus on innovation and sustainability, the company provides a complete portfolio of mobile, fixed and converged network technology, as well as professional services including consultancy and systems integration, deployment, maintenance and managed services. It is one of the largest telecommunications hardware, software and professional services companies in the world. Operating in 150 countries, its headquarters are in Espoo, Finland. www.nokiasiemensnetworks.com