

NEC Wins World's First 40Gb/s Capacity Upgrade Contract for a Large Scale Submarine Cable Network

Melbourne, July 8, 2010 – NEC Corporation announced today the signing of a multimillion-dollar contract with a purchasing consortium of 14 major telecom operators in the Asia Pacific region for the world's first 40Gb/s dense wavelength division multiplexing (DWDM) capacity upgrade to an existing large scale submarine cable network.

The existing APCN2 (Asia Pacific Cable Network 2), with over 19,000km of cable that connects 10 landing stations in the Asia Pacific region, was originally supplied by NEC in 2001 with a 10Gb/s DWDM system design. In response to the rising transmission demands in the region, NEC proposed its state-of-the-art 40Gb/s DWDM technology as a dramatic enhancement and expansion to the capacity of the existing 10Gb/s submarine cable network. NEC estimates that by adding 40Gb/s wavelengths the cable's capacity can be enlarged by as much as 4 times its original ultimate design capacity of 2.56Tb/s.

"We are honoured that the APCN2 purchasing consortium has again selected us as their capacity upgrade supplier. This upgrade is indeed a significant step for NEC, as we demonstrate our ability to provide high-quality and state-of-the-art 40Gb/s DWDM products and services for a series of demanding clients," commented Osamu Harada, General Manager of NEC's Submarine Networks.

The upgrade is scheduled to be completed by 2Q of 2011.

Product Features

NEC NS Series T640SW Line Terminal Equipment

- A combination of 10Gb/s and 40Gb/s wavelengths are available
- Size and Power Consumption reduced by 50% as compared to previous models
- State-of-the-art technology, such as Tunable wavelength light sources (Tunable LD) and Tunable Dispersion Compensation per wavelength (TDCM), allow the highest system flexibility and availability

Benefit to the Customer

- Improve the value of existing assets by increasing ultimate design capacity by 4 times through state-of-the-art 40Gb/s DWDM technology
- Save on CAPEX and OPEX

-Ends-

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About NEC Corporation

NEC Corporation is a leader in the integration of IT and network technologies that benefit businesses and people around the world. By providing a combination of products and solutions that cross utilize the company's experience and global resources, NEC's advanced technologies meet the complex and ever-changing needs of its customers. NEC brings more than 100 years of expertise in technological innovation to empower people, businesses and society. For more information, visit NEC at <http://www.nec.com>.

About NEC Australia – www.nec.com.au

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About the APCN2 Purchasing Consortium

The fourteen purchasing consortium members are AT&T, China Telecom, China Unicom, Chunghwa Telecom, C&W, KDDI, KT, NTTCom, PLDT, Reach, SingTel, Softbank Telecom, Starhub and TM.