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TE SubCom announces Ocean Control suite, first offering of full network programmability for undersea domain

Next generation of Open Cables enables automated computer control of overall network (terrestrial and undersea) via external controller

EATONTOWN, N.J., USA, May 8, 2018 – [TE SubCom](#), a [TE Connectivity Ltd.](#) company and an industry pioneer in undersea communications technology, today announced the introduction of its Ocean Control suite. This technology represents a major leap forward in network control efficiency through software-defined networking (SDN). By enabling automated control over all parts of a communications network, the Ocean Control suite offers extensive remote programmability and control of an entire communications network, both terrestrial and undersea. This will substantially increase the capabilities, efficiencies and options available to an external orchestrator.

The suite uses RESTful application programming interfaces (APIs) with read and write functionality to interface with undersea network elements like Wavelength Selective Switch Reconfigurable Optical Add Drop Multiplexer (WSS ROADMs). SubCom partner Ciena™ is among the first to take advantage of the new API capabilities, which will be demonstrated to a select audience in Ciena's Ottawa labs throughout May.

The first release of Ocean Control is available now with the full support of SubCom's enhanced Line Monitoring System (eLMS). Two additional releases are anticipated later this year that will further expand and enhance the Ocean Control suite's functionality to cover all major wet and dry network elements.

Mark Enright, vice president, customer solutions of TE SubCom said, "The Ocean Control suite enables us to further strengthen SubCom's commitment to customers, through our partnership with Ciena. With this new technology, we're building the API platform that will underpin the future of an optimized network control interface."

"We look forward to the opportunity to put the SubCom APIs to good use. They will provide a seamless integration into our Blue Planet Manage, Control and Plan (MCP) domain controller to enable the automated delivery of services across Ciena packet-optical networks, and more programmable management," said Ian Clarke, vice president, global submarine systems of Ciena.

About TE SubCom

TE SubCom (SubCom), a TE Connectivity Ltd. company, is an industry pioneer in undersea communications technology and marine services, and a leading global supplier for today's undersea communications requirements. As a vertically integrated supplier, SubCom designs, manufactures, deploys, and maintains the industry's most reliable fiber optic cable systems. Its solutions include long-haul and regional systems, repeaterless networks, capacity upgrades, offshore oil and gas, and scientific research applications. SubCom brings end-to-end network knowledge and global experience to support on-time delivery and the needs of customers worldwide. To date, the company has deployed enough subsea communication cable to circle the Earth 15 times at the equator. For more information, visit www.SubCom.com.

About TE Connectivity

TE Connectivity Ltd. is a \$13 billion global technology and manufacturing leader creating a safer, sustainable, productive, and connected future. For more than 75 years, our connectivity and sensor solutions, proven in the harshest environments, have enabled advancements in transportation, industrial applications, medical technology, energy, data communications, and the home. With 78,000 employees, including more than 7,000 engineers, working alongside customers in nearly 150 countries, TE ensures that EVERY CONNECTION COUNTS. Learn more at www.te.com and on [LinkedIn](#), [Facebook](#), [WeChat](#) and [Twitter](#).

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