# Polaris Networks launches test tools for end-to-end testing of eMTC (LTE Cat M1) and NB-IoT base stations and devices

San Jose, California, November 14, 2016 – Polaris Networks, a leading provider of testing solutions for LTE technology, today announced the launch of its latest addition to the Polaris NetTest suite, the CIoT Serving Gateway Node (C-SGN) Emulator, a software solution that simulates the optimized core network required for Cellular Internet of Things (CIoT).

As part of the NetTest suite, the C-SGN Emulator enables chip manufacturers for devices and base stations, as well as network equipment manufacturers, IoT service providers, and research and test establishments, to create an end-to-end lab environment for verifying functions and features that characterize enhanced Machine Type Communication (eMTC) and Narrow Band Internet of Things (NB-IoT) implementations based on 3GPP Release 13 specifications. The C-SGN Emulator supports various features that are specified by 3GPP in its Release 13 standards for IoT, including optimizations in the control plane and the user plane for small data transfer, support for non-IP data transmission, and many other features to provide comprehensive test coverage for verification of IoT devices and equipment. In order to reduce complexity in the setup of a test environment for IoT, the C-SGN Emulator also supports simulation of SMS Central Function (SMS-SC) and the Service Capability Exposure Functions (SCEF).

"The C-SGN Emulator extends the test coverage of the NetTest suite into the Internet of Things space," said Aditya Saraf, Vice President of Sales and Marketing at Polaris Networks. "We are working with some of the leading exponents of Cellular IoT, industry leaders and eco-system partners in bringing a reliable and proven solution for IoT testing."

**About Polaris Networks:**
Polaris Networks is a global solution provider in the field of LTE Technology, offering a wide range of software for use as test tools in the lab and Packet Core deployment in private and public LTE networks. LTE solutions from Polaris Networks are actively used by Network Equipment Manufacturers, Telecom Service Providers, and Test Labs across several countries. The company is headquartered in San Jose, CA, USA and has two R&D centres in Kolkata, India. To learn more about Polaris Networks, visit www.polarisnetworks.net.

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