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Qualcomm, Telstra, Ericsson and NETGEAR Announce World's First Gigabit Class LTE Mobile Device and Gigabit-Ready Network

-- Reaching Gigabit Class LTE download speeds represents notable milestone on path to 5G, delivers fiber-like wireless connectivity experience to consumers --

HONG KONG, Oct. 18, 2016 /PRNewswire/ -- At the 4G/5G Summit today, Qualcomm Incorporated (NASDAQ: QCOM) announced that its subsidiary, Qualcomm Technologies, Inc., has worked closely with Telstra, Ericsson and NETGEAR on the world's first Gigabit Class LTE mobile device, and the first Gigabit Class LTE commercially ready network. The results of this relationship includes: The NETGEAR Mobile Router MR1100, based on the Qualcomm® Snapdragon™ X16 LTE modem along with Qualcomm® Wi-Fi solutions, which is the first consumer end device capable of reaching Gigabit Class LTE download speeds up to 1 Gbps; and Telstra's new Gigabit Class LTE network enabled by Ericsson. Together, they create a new breed of mobile applications and experiences for immersive virtual reality, near-instant access to cloud storage and services, incredibly fast downloads of multimedia content and more. With delivery of the final NETGEAR Mobile router design, Telstra will now complete comprehensive device, network and user testing ahead of commercial launch in the coming months.

"Achieving the world's first Gigabit Class LTE download speeds between a mobile device and commercial ready network is another industry achievement towards the availability of Gigabit LTE services," said Serge Willenegger, Senior Vice President, Qualcomm Technologies. "Qualcomm Technologies has long been a leader in LTE, pioneering many of the building blocks for 3G and 4G and now paving the way to 5G. We're excited to celebrate this milestone with our partners and to demonstrate our leadership in the commercialization of key technologies that will be foundational elements of future 5G deployments."

NETGEAR has worked with Qualcomm Technologies to integrate the Snapdragon X16 LTE modem – announced at Qualcomm Incorporated's annual Analyst Day in February this year, and is coupled with Qualcomm Wi-Fi solutions to offer Gigabit class performance – into the new NETGEAR Mobile Router MR1100. Gigabit Class LTE download speeds are achieved through a combination of 3x carrier aggregation, 4x4 MIMO on two aggregated carriers plus 2x2 MIMO on the third carrier, and 256-QAM higher order modulation. The arrival of Gigabit Class LTE download speeds can help OEMs create a new class of mobile devices that can deliver fiber-like download speeds wirelessly, exciting consumers and expanding opportunities for new experiences and revenue streams.

"Since our founding in 1996, NETGEAR has led the industry in providing the world with the best-in-class connectivity experience," said Andrew Green, Vice President of mobile network products for NETGEAR. "As the pioneer in creating the world's first Gigabit Class LTE mobile device, NETGEAR is proud to deliver incredibly fast fiber-like connectivity – wirelessly. NETGEAR is redefining what a mobile router can be and the experiences it can deliver."

As the first LTE network in the world to support over-the-air data download speeds up to 1Gbps, Telstra's new Gigabit Class LTE network sets a new standard for wireless connectivity. The network utilizes Telstra's long-standing tradition of innovation, as well as key network infrastructure equipment and software from Ericsson, to achieve these remarkable download speeds.

"We pride ourselves on our connectivity expertise and we continue that tradition today by completing the first commercialization of a Gigabit Class LTE network and device," said Mike Wright, Telstra's Group Managing Director Networks. "With the world's first Gigabit Class LTE network, we have substantially improved our network capacity and increased real-world LTE download speeds, while also gaining a distinct advantage over competitors as we can now offer an entirely new class of LTE service."

"Telstra's commercial ready Gigabit Class LTE network and device is an important milestone as it paves the path to 5G," said Per Narvinger, Head of Product Line RAN, Ericsson. "Many of the techniques enabled by Ericsson technology to achieve these ultra-high speeds, such as the use of multiple spectrum bands, advanced MIMO antenna technology, higher

order modulation scheme, as well as Ericsson Lean Carrier, are critical to making 5G a reality."

Qualcomm Technologies showed a live demo of the Gigabit Class LTE device and network at the 4G/5G Summit. For more information on this relationship between Qualcomm Technologies, Telstra, Ericsson and NETGEAR and this landmark achievement, please watch our [video](#) or visit the [blog](#).

About Qualcomm Incorporated

Qualcomm Incorporated (NASDAQ: QCOM) is a world leader in 3G, 4G and next-generation wireless technologies. Qualcomm Incorporated includes Qualcomm's licensing business, QTL, and the vast majority of its patent portfolio. Qualcomm Technologies, Inc., a subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of Qualcomm's engineering, research and development functions, and substantially all of its products and services businesses, including its semiconductor business, QCT. For more than 30 years, Qualcomm ideas and inventions have driven the evolution of digital communications, linking people everywhere more closely to information, entertainment and each other. For more information, visit Qualcomm's [website](#), [OnQ blog](#), [Twitter](#) and [Facebook](#) pages.

About Telstra

Telstra is a leading telecommunications and information services company. We offer a full range of services and compete in all telecommunications markets in Australia, operating the largest mobile and Wi-Fi networks. Globally, we provide end-to-end solutions including managed network services, global connectivity, cloud, voice, colocation, conferencing and satellite solutions. We have licenses in Asia, Europe and the United States and offer access to more than 2,000 points of presence across the globe. For more information visit www.telstra.com.

About Ericsson

Ericsson is the driving force behind the Networked Society – a world leader in communications technology and services. Our long-term relationships with every major telecom operator in the world allow people, business and society to fulfill their potential and create a more sustainable future.

Our services, software and infrastructure – especially in mobility, broadband and the cloud – are enabling the telecom industry and other sectors to do better business, increase efficiency, improve the user experience and capture new opportunities.

With approximately 115,000 professionals and customers in 180 countries, we combine global scale with technology and services leadership. We support networks that connect more than 2.5 billion subscribers. Forty percent of the world's mobile traffic is carried over Ericsson networks. And our investments in research and development ensure that our solutions – and our customers – stay in front.

Founded in 1876, Ericsson has its headquarters in Stockholm, Sweden. Net sales in 2015 were SEK 246.9 billion (USD 29.4 billion). Ericsson is listed on NASDAQ OMX stock exchange in Stockholm and the NASDAQ in New York.

About NETGEAR, Inc.

NETGEAR (NASDAQ: NTGR) is a global networking company that delivers innovative products to consumers, businesses and service providers. The Company's products are built on a variety of proven technologies such as wireless (WiFi and LTE), Ethernet and powerline, with a focus on reliability and ease-of-use. The product line consists of wired and wireless devices that enable networking, broadband access and network connectivity. These products are available in multiple configurations to address the needs of the end-users in each geographic region in which the Company's products are sold. NETGEAR products are sold in approximately 28,000 retail locations around the globe, and through approximately 29,000 value-added resellers, as well as multiple major cable, mobile and wireline service providers around the world. The company's headquarters are in San Jose, Calif., with additional offices in approximately 25 countries. More information is available from the [NETGEAR investor page](#) or by calling (408) 907-8000. Connect with NETGEAR on [Twitter](#) and [Facebook](#).

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