



PRESS RELEASE
FEBRUARY 21, 2016

Journey to 5G: Singtel partners with Ericsson to ready 4G LTE network for Internet of Things

Singtel and Ericsson today announced their partnership to ready Singtel's 4G LTE network to support the expected rapid growth of connected devices. The collaboration will start with a trial of Narrow Band Internet of Things (NB-IoT) technology beginning in the second half of 2016.

NB-IoT, a solution which will enable extended coverage and much less complex devices, will enable Singtel to support new IoT use cases in areas such as smart cities, utilities and the environment. Singtel's 4G LTE network already supports low-cost Category 1 (Cat-1) devices, which are built for IoT applications.

Tay Soo Meng, Group Chief Technology Officer, Singtel, says: "IoT connectivity is an important part of Singapore's enterprises and supports the Singapore Government's Smart Nation initiative. We anticipate a growing demand to connect a multitude of sensors and devices in a cost-effective manner. Focusing on power saving capabilities in our networks enables energy efficiency benefits for the IoT eco-system; we expect at least 10 years battery life. With the early introduction of low-powered IoT devices, this brings us a step closer to 5G goals, where new device and sensor technologies can leverage network connectivity to power a variety of use cases, such as lighting and vehicle-to-infrastructure connectivity.

"Singtel continues to pursue leading technologies with Ericsson -- a part of our 5G partnership programs. Ericsson is one of the leaders in exploring new technologies such as LTE-M and NB-IoT, paving the way towards the new connected eco-system and we are delighted to work closely with them to continuously deliver innovative solutions to our market."



IoT is a rapidly growing segment and, according to the Ericsson Mobility Report, 28 billion connected devices are expected by 2021, of which more than 15 billion will be connected M2M and consumer electronics devices. Support for massive Machine Type Communications is also one of the key aspects enabled by the fifth generation network eco-system.

Long-term battery life has become a prerequisite for a vast number of IoT devices, supporting field deployments with minimal power requirements and maintenance. It is possible to enable over 10 years of battery life on existing LTE networks. Power saving capabilities allow devices to enter a new deep sleep mode and are ideal for devices that only need to contact the network once per hour or even less frequently.

Sam Saba, Region Head, Ericsson South East Asia & Oceania, says: "IoT is an emerging market and we are pleased to work with Singtel to enhance their network to support the adoption of IoT. Together we will continue to explore future IoT technologies such as Cat-M and NB-IoT which promises to reduce device costs and improve coverage and battery life even further. Examples of applications that can leverage on these technologies are temperature, air quality and flood water sensors."

[Ericsson at Mobile World Congress 2016](#)

During Mobile World Congress 2016 in Barcelona, Ericsson will showcase its unique industry insights, the latest innovation and inspirational discussions that enable powerful new business opportunities. We are in the midst of the societal transformation we call the Networked Society: a society in which mobility, broadband and cloud empower every person and every industry to reach their full potential. Opportunity is everywhere, and companies are transforming according to the role they have chosen to play in the value chains and ecosystems of the Networked Society.

Join us in our Hall (Hall 2, Stand 2N60) to learn about 5G, the Internet of Things and cloud, and to discuss the impact digital transformation can have on people, business and society.

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NOTES TO EDITORS

About Singtel

Singtel is Asia's leading communications group providing next-generation communication, infotainment and technology services to consumers and businesses across Asia Pacific. The Group has a presence in Asia, Australia and Africa with over 595 million mobile customers in 25 countries. In Singapore, Singtel's consumer operations delivers a complete and integrated suite of services, including mobile, broadband and TV. Singtel provides a superior customer experience by continually setting new goals in service, quality and innovation.

About Ericsson

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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.

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