

Ericsson lays out vision for cellular IoT with new segments and solutions

- Outlines evolution of cellular IoT in four segments leveraging new capabilities with 4G and 5G to tap growth opportunities from industry digitalization
- Introduces Broadband IoT and Industrial Automation IoT as new segments in addition to Massive IoT and Critical IoT
- Launches Massive IoT enhancements and new Broadband IoT solutions on existing LTE networks to enable more advanced use cases

Ericsson (NASDAQ: ERIC) today unveiled the next steps in the evolution of [cellular IoT](#) and launched new solutions that will enable service providers to address a larger part of the IoT market with diverse use cases across verticals including automotive, manufacturing, and utilities.

Ericsson outlines cellular IoT evolution in four market segments: Massive IoT, Broadband IoT, Critical IoT, and Industrial Automation IoT. Two of these segments are new – Broadband IoT and Industrial Automation IoT. Broadband IoT adopts mobile broadband capabilities for IoT and supports higher data rates and lower latencies than Massive IoT. Industrial Automation IoT will enable advanced industrial automation applications with extremely demanding connectivity requirements.

In line with its cellular IoT vision, Ericsson is launching enhanced functionalities for Massive IoT* and new solutions for Broadband IoT. One example of Massive IoT enhancement is the NB-IoT Extended Cell Range 100km, which stretches the standards-based limit from around 40km to 100km through software updates without changes to existing NB-IoT devices. This opens huge opportunities in IoT connectivity in rural and remote areas, particularly for logistics, agriculture and environment monitoring. Ericsson has deployed NB-IoT data connections up to 100km with [Telstra](#) and [DISH](#).

The Broadband IoT solutions being launched include drone detection and link control, radio access network (RAN) slicing, Advanced Subscriber Group Handling, and Multi-Gigabit LTE for 2Gbps data throughput and around 10 millisecond latency. The new solutions will enable a wide range of use cases in automotive, drones, AR/VR, advanced wearables, smart manufacturing, and smart utilities.

Fredrik Jejdling, Executive Vice President and Head of Networks, Ericsson, says: “Cellular IoT is moving from early adoption with Massive IoT to global rollout. We are now describing ‘what’s next?’ for our customers and how they can make the most out of their 4G and 5G investments on the same network and address more advanced IoT use cases across industries.”

PRESS RELEASE

January 31, 2019



Evolving cellular IoT

Ericsson's evolution concept describes how cellular IoT can move from the more basic use cases of Massive IoT such as asset tracking and smart metering to increasingly sophisticated use cases enabled by Broadband IoT (for example infotainment in cars, AR/VR, drones and advanced wearables), and then by Critical IoT (for example, autonomous vehicles), and Industrial Automation IoT (for example, collaborative robotics in manufacturing).

This stepwise approach will make it easier for service providers to match cellular IoT capabilities with current and future use cases by continuing to enhance LTE networks while preparing for 5G. With effective use of techniques such as network slicing, service providers can support all four segments in a single network, allowing them to optimize their assets and tap into revenue opportunities within industries. According to the Ericsson Mobility Report, the number of [cellular IoT connections](#) is expected to reach 4.1 billion in 2024 – increasing with an annual growth rate of 27 percent.

Patrick Filkins, Senior Research Analyst, IoT and Mobile Network Infrastructure at IDC, says: "Ericsson has come up with a uniquely clear vision for cellular IoT with well-defined segments for service providers to address new business growth opportunities from industry digitalization. Ericsson's cellular IoT evolution concept will support service providers to incrementally allow add-on use cases even within a single vertical."

NOTES TO EDITORS:

Watch our live broadcast on [Facebook](#) and [YouTube](#), January 31 at 15.00 CET

*Enhanced functionalities for Massive IoT: NB-IoT extended cell range 100km; Cat-M1 & NB-IoT higher throughput; NB-IoT improved network capacity; Cat-M1 & NB-IoT improved device positioning; Cat-M1 improved mobility; and small cells support for NB-IoT

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Ericsson enables communications service providers to capture the full value of connectivity. The company's portfolio spans Networks, Digital Services, Managed Services, and Emerging Business and is designed to help our customers go digital, increase efficiency and find new revenue streams. Ericsson's investments in innovation have delivered the benefits of telephony and mobile broadband to billions of people around the world. The Ericsson stock is listed on Nasdaq Stockholm and on Nasdaq New York. www.ericsson.com

Ericsson at Mobile World Congress 2019

Join or follow Ericsson at MWC 2019 in Barcelona from February 25 to 28 and experience the future of 5G and IoT innovation. We will present unique insights on 5G business opportunities and showcase use cases that enhance service providers' business and customer experiences. Take the opportunity to learn more about the latest trends and technology shaping the ICT industry, now and in the future. Join us live and online at www.ericsson.com/mwc