



PRESS RELEASE
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Ericsson and Claro Puerto Rico carry out LTE-Advanced trial

- First test of its kind for America Movil in Latin America and Caribbean region
- Trial of Ericsson innovations intended to increase network data speeds by 200%, up to 300 Mbps
- Innovations apply design concepts developed for future 5G systems

Ericsson (NASDAQ:ERIC) and Claro Puerto Rico, a subsidiary of America Movil, will conduct tests on Claro's 4G/LTE network with new LTE-Advanced mobile technology capabilities to enhance network performance. The trials include 256-QAM, UL 64 QAM, 4x4 MIMO (multiple input multiple output) and Ericsson Lean Carrier; technology concepts, when combined, promise downlink speeds increase of 200 percent, up to 300 Mbps, for mobile users on Claro Puerto Rico's network.

The trial, which runs from October 21-28 in the San Juan Metro and Ponce areas, will take place on Claro's commercial network in Puerto Rico, using Ericsson equipment and software.

4x4 MIMO enables increased data speeds; the technology is analogous to expanding a highway from two lanes to four, enabling more cars to travel at the same time.

256-QAM increases the number of transmitted bits per stream, similar to increasing the number passengers in a car.

These two features, combined with Ericsson Lean Carrier, which works by "cleaning" the signal space (i.e., creating smoother highways in our example), will give mobile customers better access to advanced LTE technologies, ensuring a much faster network for Claro.

Implementation of these features in the network would result in higher download speeds for Claro subscribers and a significantly improved user experience while browsing the internet on their phones and tablets. This boost in network speed would mean users will have a better viewing experience while watching their favorite shows, and sharing or viewing videos and pictures of their friends and family online.

Enrique Ortiz de Montellano, CEO of Claro Puerto Rico, said: "Our business objective is to maintain our networks with the latest technology in order to offer customers all the advantages that advanced technology provides. A lot has been discussed around LTE-Advanced, but this is the first time trials have been carried out in Puerto Rico. Together with Ericsson, leaders in mobile broadband, we will test the real scope of these technologies, which will allow us to provide our customers the best mobile broadband experience available."



Clayton Cruz, Vice President of Ericsson Latin America and Caribbean, said: “With the growing demand from consumers, industry and IoT for mobile communications, these tests focus on improving the performance and efficiency of LTE networks today, while supporting the development of our customers as they move towards 5G.”

Although 5G technology will not begin deployment until 2020, some of the features of this technology, like Ericsson Lean Carrier, advanced MIMO technology, and higher order modulation schemes can already be applied in the networks currently in operation.

The strategic long-term relationship between Ericsson and Claro has led to great advancements in the development of mobile broadband in Puerto Rico. This LTE-Advanced trial is another example of the companies’ joint commitment to innovation and continuous telecommunications development in the country.

Ericsson is present today in all high-traffic LTE markets, including the United States, Japan, and South Korea, and is ranked first for handling the most global LTE traffic. In addition, forty percent of the world’s total mobile traffic is carried over Ericsson networks. More than 270 LTE RAN and Evolved Packet Core networks have been delivered worldwide, of which 200 are live commercially.

To learn more:

[Mobile Network Test: Ericsson Lean Carrier Verified In Telstra 4G LTE Service](#)
[Ericsson innovation applies 5G concept for up to 50% higher speed on 4G LTE smartphones](#)
[Ericsson and Qualcomm Technologies successfully test 1 Gbps for Telstra](#)
[Ericsson unleashes Gigabit LTE and creates Hyperscale Cloud RAN](#)

NOTES TO EDITORS

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.

Ericsson has been present in Latin America since 1896, when the company established an agreement in Colombia and delivered equipment for the first time in the region. In the early 1900s, Ericsson increased its presence in Latin America by signing commercial deals in Argentina, Brazil and Mexico. Today, Ericsson is present in 56 countries within South America, Central America, Mexico and the Caribbean, which combined count the region as one of the few with complete Ericsson installations, including a Production Unit, R&D Center and Training Center. Ericsson is the market leading telecom supplier, with over 40% market share in Latin America and more than 100 telecom service contracts in the region.

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