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## ERICSSON AND QUALCOMM DEMONSTRATE MULTEFIRE AT MWC16

- MulteFire™ is an LTE-based technology that operates solely in unlicensed spectrum, combining the performance benefits of LTE with the deployment simplicity of Wi-Fi
- Through its hosting and integration capabilities, MulteFire delivers coverage, capacity and full mobility for better user experiences and security in local area deployments
- Building owners, systems integrators and enterprises can utilize unlicensed spectrum to help operators grow their indoor coverage footprint

Ericsson (NASDAQ: ERIC) and Qualcomm Technologies, Inc., a subsidiary of Qualcomm Incorporated (NASDAQ: QCOM), have demonstrated MulteFire – an emerging, LTE-based technology solely for unlicensed spectrum – at Mobile World Congress 2016 in Barcelona, Spain. The live demonstration – using the commercial Ericsson Radio Dot System running in the 3.5 GHz band and Qualcomm Technologies’ pre-commercial devices in combination with the Ericsson Virtual Evolved Packet Core – showcases benefits and key use cases for operators, building owners and systems integrators seeking to collaboratively address coverage issues. MulteFire combines the performance benefits of LTE with the deployment simplicity of Wi-Fi.

Existing LTE in unlicensed spectrum solutions LTE-U and License Assisted Access require an anchor channel in licensed spectrum. Since MulteFire does not require this anchor, it can function as a neutral host, serving multiple entities’ indoor small cell deployments or providing dedicated broadband services to enterprises.

Ericsson’s scalable Virtual Evolved Packet Core solution enables multiple business models for neutral host operations. In addition, the MulteFire solution can be integrated with an operator’s existing core network, supporting full mobility between MulteFire and traditional 3GPP radio access networks (2G, 3G and 4G). The end result is enhanced coverage, increased capacity, full mobility for better user experiences and inherent LTE security in local area deployments.

The use cases for emerging, unlicensed spectrum technologies enable innovative business models within the traditional framework of network providers, operators and customers. In the case of indoor coverage, for example, we spend 90% of our lives inside and yet only 40% of subscribers say they are satisfied with their indoor connectivity experience. ([Ericsson ConsumerLab report](#), July 2015)

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Addressing this need is a challenge because network operators have no practical means of proactively identifying buildings in need of improved indoor connectivity on a large scale. Similarly, operators may have limited access to building owners and IT departments. The partnerships and deployments enabled by MulteFire deployment will close this gap to ensure operators – in conjunction with building owners, systems integrators and enterprises – can build indoor coverage on a massive scale.

Ericsson's managed services offering, [Small Cell as a Service](#), can further support operators, enterprises and neutral hosts in their planning, deployment and ongoing operation of these indoor systems.

Innovative business models, achieved through strategic partnerships and unlicensed spectrum technologies, will drive the industry forward and help realize the full potential of global networks. Support for MulteFire technology is an example of how Ericsson is constantly working on delivering innovative solutions to stimulate the industry and leverage existing network assets.

#### NOTES TO EDITORS

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*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 2014 were SEK 228.0 billion (USD 33.1 billion). Ericsson is listed on NASDAQ OMX stock exchange in Stockholm and the NASDAQ in New York.*

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FOR FURTHER INFORMATION, PLEASE CONTACT

Ericsson Corporate Communications

Phone: +46 10 719 69 92

E-mail: [media.relations@ericsson.com](mailto:media.relations@ericsson.com)

Ericsson Investor Relations

Phone: +46 10 719 00 00

E-mail: [investor.relations@ericsson.com](mailto:investor.relations@ericsson.com)