Huawei works towards global 5G innovation partnership

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[Barcelona, Spain. 24 February 2016] As global momentum builds across the ICT industry towards the 5G era, efforts to strengthen the mobile industry ecosystem are essential to make 5G a success. As a driving force of 5G innovation, Huawei aims to take the lead with a view to creating a truly global open 5G partnership. At the Mobile World Congress (MWC) 2016, the company is showcasing some of the latest 5G research achievements accomplished together with its industry partners.

Huawei’s growing network of partners currently spans 20 operators, including CMCC, Deutsche Telekom, Vodafone, NTT DOCOMO, Telefonica, TeliaSonera and Etisalat, as well as 10 industry partners across Asia, Europe and North America.

Huawei is committed to delivering customer-centric innovation through open partnerships in order to lay the foundation for the next generation of wireless technologies. Over the past few years, Huawei has established joint innovation programmes with leading operators and conducted lab tests and field trials on a broad range of 5G-enabling technologies.

At the MWC 2016, Huawei is showcasing flagship examples of these joint research efforts:

- **5G New Radio Access Technologies** (5G New RAT) in a large-scale field trial conducted with NTT DOCOMO;
- **5G Full Duplex Radio Technology** developed with China Mobile;
- **5G mobile architecture** for Ultra-Reliable Low Latency Communication (URLLC) applications designed together with Vodafone;
- **Superfast 5G mmWave technology** reaching transmission speeds of 70Gbps and end-to-end network slicing technologies, both achieved with Deutsche Telekom.

Huawei is also collaborating with equipment vendors to demonstrate 5G technologies. Examples on display at the MWC include:

- **New 5G waveform technologies** demonstrated with Rohde Schwarz;
- **5G access technologies** demonstrated with Aeroflex, a Cobham Company.

In addition, Huawei has launched a number of programmes together with partners from vertical industries to explore 5G-enabled machine-to-machine communications technologies such as massive sensors connectivity and URLLC, with applications ranging from self-driving cars to cloud-controlled robots.

As a global ICT industry leader, Huawei is working to expand the global 5G innovation footprint by leveraging technological innovations and partnerships at these early stages of 5G development to contribute to a global standard.
“We will continue to focus our efforts on 5G technology innovation,” said Dr Wen Tong. “In the spirit of joint innovation with the entire ecosystem, we will strive to bring 5G technologies to maturity and to deliver value to our customers and to end users. To achieve this, we are addressing some of the most challenging areas in 5G technologies. These include:

- a new air-interface capable of meeting all requirements for 5G applications;
- programmable, application-driven network architecture built on a cloud-native platform; and
- a holistic set of new capabilities to enable vertical applications for emerging 5G services and solutions.

We are excited to be participating in the recently announced series of 5G technology field trials in China. Huawei is eager to contribute to the joint effort required to get 5G ready for its commercial launch in 2020.”

The MWC is taking place in Barcelona, Spain, from 22 to 25 February 2016. Huawei is showcasing its latest products and solutions at Fira Gran Via Hall 1 and Hall 3. For more information, please visit the Huawei MWC 2016 minisite [2].

About Huawei

Huawei is a leading global information and communications technology (ICT) solutions provider. Our aim is to enrich life and improve efficiency through a better connected world, acting as a responsible corporate citizen, innovative enabler for the information society, and collaborative contributor to the industry. Driven by customer-centric innovation and open partnerships, Huawei has established an end-to-end ICT solutions portfolio that gives customers competitive advantages in telecom and enterprise networks, devices and cloud computing. Huawei’s 170,000 employees worldwide are committed to creating maximum value for telecom operators, enterprises and consumers. Our innovative ICT solutions, products and services are used in more than 170 countries and regions, serving over one-third of the world’s population. Founded in 1987, Huawei is a private company fully owned by its employees.

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