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WORLD CONGRESS

Barcelona | 16-19 February 2009

Technology Evolution Stream

Fira de Barcelona - Thursday February 19th, 2009

As LTE moves from theory to reality, so the interest in the technology and all it involves has grown exponentially. 2009 will see the first LTE network deployments, devices and services and, in recognition of that, the GSMA and NGMN Alliance have jointly developed an in-depth, day-long stream of the Mobile World dedicated entirely to the development, deployment and operation of next generation LTE networks and services. It will feature presentations from those at the very cutting edge of product development and network rollout and address issues including testing and trials, QoS, device development, roaming and the emerging challenge of backhaul.

Developed jointly with:



Agenda

- 09.00-10.20 **Keynote Session: Technology Evolution - Drivers, Enablers and Challenges**
 Moderators: Alex Sinclair, Chief Technology Officer, **GSMA**; Peter Meissner, Operating Officer, **NGMN Alliance**
- 09.00-09.20 **“Towards Next Generation Mobile Networks: the Operators View”**
 Vivek Badrinath, Executive Vice President IT Networks and Product Support, **FT/Orange**, Chairman of the **NGMN Board**
- 09.20-09.40 **“Mobile Broadband Evolution”**
 Marc Rouanne, Head of Radio Networks, **Nokia Siemens Networks**
- 09.40-10.00 **“The Road to the Next Generation Network”**
 Shen Donglin, Vice President Wireless Technology & Marketing, **ZTE Corporation**
- 10.00-10.20 **Panel Discussion with Keynote Speakers**
- 10.20-10.40 Coffee break

10.40-1.00 **Session 1: “Drivers and Success Factors for the Deployment of NGMN”**

10.40-11.20 **Deployment Strategies – Panel**

To cover:

- Strategic objectives and implications of LTE deployment
- Technical options for meeting specific strategy requirements

Panellists

Mats Lundbäck, Head of Technical Development, Mobility Services, **TeliaSonera**

Emin Gürdenli, Head of Radio Networks T-Mobile Europe and Technical Director T-Mobile UK, **T-Mobile**

Hanna Sibley, Product Manager LTE, **Ericsson**

Tan Zhu, Vice President of Global Wireless Product Line Management, **Huawei**

11.20-12.20 **Interoperability and Roaming**

11.20-11.40 **LTE's Place in Technology Evolution –**
 Adrian Scrase, Chair, **3GPP**

11.40-12.00 **Roaming Requirements for LTE –**
 Reinhard Kreft, Head of Standardisation & Industry Engagement, **Vodafone**

12.00-12.20 **Harmonized Development of FDD and TDD Drives Success in the Next Generation Mobile Network –**
 Bill Huang, General Manager of China Mobile Research Institute, **China Mobile**

12.20-1.00 **Trials and Testing**

12.20-12.40 **LTE Trials and Interoperability Testing from the LSTI –**
 Julius Robson, Chairman, LSTI Proof of Concept Group, **Nortel**

12.40-1.00 **Technical challenges in LTE interoperability testing and field trials –**
Anton Messmer, Director of Subdivision Mobile Radio Testers, **Rohde & Schwarz**

1.00-2.00 Lunch

2.00-5.00 **Session 2: “Key Technical and Business Aspects of Network Evolution”**

2.00-3.20 **Network Operations & Rollout Realities**

2.00-2.20 **Deployment Realities of LTE –**

Seizo Onoe, Senior Vice President and Managing Director of R&D Strategy Department, **NTT DOCOMO**

2.20-2.40 **The role of QoS in the Next Generation Mobile Network –**

Juan Cambeiro, Innovation Analyst, **Telefonica**

2.40-3.00 **Next Generation RAN Architecture Challenges –**

Ibrahim Gedeon, Chief Technical Officer, **Telus**

3.00-3.20 **Self Organizing Networks: Reducing OPEX End-to-End, Day-in-Day-Out –**

Vish Nandlall, Chief Technical Officer, Wireless, **Nortel**

3.20-4.20 **Terminals – Development and Timescales**

3.20-3.40 **Mobile Broadband Consumer Electronics Devices Now & Beyond –**

Dr. Jinsung Choi, Vice President, Head of MCTR (Mobile Communication Technology Research) Lab, **LG**

3.40-4.00 **LTE and the Embedded Market -**

Roberto Di Pietro, Vice President, Marketing & Business Development Europe, **Qualcomm**

4.00-4.20 **Software Defined Radio – a 3G dream; a next generation requirement? –**

Thomas Kaiser, Chief Executive Officer, **mimoOn**

4.20-5.00 **Backhaul Challenge – Panel**

To cover:

- The step change in backhaul demand that accompanies LTE
- Alternative backhaul solutions – upgrade choices and their comparative strengths and weaknesses

Panellists

Arnaud Cauvin, Mobile Backhaul Evolution Program Manager, **FT Orange**

Larry Lang, Vice President and General Manager, Services and Mobility, **Cisco**

Giacomo Mirelli, Director of Optics, Chief Technology Officer for Mobile Evolution Transport Architecture, Carrier Business Group, **Alcatel-Lucent**

K. Jay Miyahara, General Manager, Mobilefone Solutions Division, **NEC**

Ben McCahill, Head of Mobile Strategy, **Tellabs**

About the GSMA Mobile World Congress

The GSMA Mobile World Congress (formerly 3GSM World Congress) combines the world's largest exhibition for the mobile industry with a stimulating and insightful congress that brings together prominent leaders and personalities from mobile operators and equipment vendors, as well as Internet and entertainment professionals. In 2008, it was visited by over 54,000 telecom executives, including over 25,000 board level attendees and nearly 3,400 press and media representatives.

About NGMN Alliance (www.ngmn.org)

The Next Generation Mobile Network (NGMN) Alliance currently consists of 53 world leading global network operators, technology vendors and universities. The network operators represent more than half of all mobile phone users worldwide and technology vendors represent more than 90 percent of implemented mobile wireless infrastructure. The key objective of the Alliance is to provide a platform for innovation for mobile broadband communications that enables an exceptional mobile user experience - cost-effective and user-friendly services and a range of end user devices like mobile phones and embedded mobile devices for laptops, consumer electronics, game consoles, etc. The NGMN White Paper summarises the vision for mobile broadband communications and includes common operator recommendations as well as requirements for the standards for the next generation of mobile broadband networks, devices and services.

