SHOWCASE SESSION 1

Day 1 | 23 June | 14:00-14:45

Stage 1: **6 GHz for 5.5G and 6G: Key Use Cases, Deployment Scenarios and Superior Performance** *(Hosted by Huawei)*

During this showcase session Huawei will share the latest updates on three decisive aspects in relation to the use of the upper 6 GHz band in Europe for 5G and its evolution:
1) The "Darwin Exhibition Hall" will display the most advanced and innovative 5G NR use cases including high speed mobile broadband, smart cities, and industrial Internet of Things;
2) We report on Huawei's recent field test results, demonstrating the ability of early 6 GHz prototype base stations to achieve comparable performance to co-sited commercial C-band base stations;
3) We explain the superior performance levels that licensed access to spectrum (5G NR) can support compared with licence-exempt access based on general authorization."

Presentations, videos and panel discussion with **Alessandro Casagni, Dr. Qiujing Maggie & Zaheen Khan***, Huawei.*

Stage 2: **Spectrum Options & Trade-offs for 5G and Private Wireless in Connected Enterprise** *(Hosted by Microsoft)*

This Spotlight session builds on the conference theme of what the telecoms industry calls "verticals". It looks more broadly at what organisations need for their on-site and regional connectivity, and what that means for spectrum and policy. While some in the regulatory sphere have been seduced by the 5G rhetoric and believe that "everything will be 5G", the reality is more complex and heterogeneous. 5G will indeed be hugely important – but it will take time to evolve and mature. It is neither realistic nor desirable to expect a wireless monoculture – nor a wireless landscape dominated by a handful of generalist service providers.

The session will explore how policymakers should embrace "demand diversity", as different enterprises and solutions providers will pick the right connectivity solutions for their human and IoT application needs – and the unique settings of their factories, ports and cities. As well as public and private 5G in numerous delivery models, there will also be growing roles for Wi-Fi, satellite, LoRa and wireless mesh technologies. We need to be accepting of complexity, where it makes sense. Different 4G/5G bands make sense for use at the scales of cities, campuses or individual buildings and machines. There are trade-offs of theoretical "efficiency" of spectrum use, versus the realities of timing/urgency, device availability, skills and security. Enterprises do not want to be forced into relationships with traditional MNOs, just to use licensed bands for their Industry 4.0 applications. They may also prefer well-engineered unlicensed options – not everything needs "network slicing" or heavyweight core networks to connect to their IT and cloud platforms.

Panel discussion with **Dean Bubley (moderator), Mitch De Geest***, CEO Citymesh***, Heidi Himmanen***, Chief Adviser, Traficom &* **Sander Rotmensen***, Director of Industrial Wireless Communication Products, Siemens.*

Stage 3: **5G MmWave Deployment – State of Play in Europe** *(Hosted by Qualcomm)*

*Presentations and Q&A with **Luigi Ardito**, Senior Director of Government Affairs EMEA, Qualcomm, **Janette Stewart**, Partner, Analysys Mason & **Tony Lavender**, Partner, Plum Consulting.*

Stage 4: **5G New Radio for Non-Terrestrial Systems in FR1 (< 6 GHz) and FR2 (> 6 GHz) spectrum** *(Hosted by ESOA)*

*Panel discussion and Q&A with **Aarti Holla**, Secretary General, ESOA (moderator) and **Frank Zeppenfeldt**, Future Programs, ESA. More speakers to be confirmed shortly.*