EUROPEAN COMMISSION
Directorate-General for Communications Networks, Content and Technology

Future Networks
Future Connectivity Systems

Brussels, 17 May 2019
DG CNECT/E1

European 5G Observatory
- Is Europe ready for 5G? -

Stakeholder Workshop
17 May 2019 (10:00-16:00)

Venue: Centre Albert Borschette
CCAB Room 0.A
Rue Froissart 36, 1040 Brussels

MEETING AGENDA

9:15-10:00   **Coffee and registration**

10:00-10:10   **Welcome** *(Peter STUCKMANN, Head of Unit, EC DG CONNECT)*

10:10-10:40   **Opening** *(Khalil ROUHANA, Deputy Director General, EC DG CONNECT)*

10:40-12:30   **Session I – Where do we stand regarding 5G deployment in Europe?**

Speakers: Frédéric PUJOL, IDATE; Anja TRETBAR-BUSTORF, T-Mobile Austria; Wassim CHOURBAJI, Qualcomm; Dexter THILLIEN, Fitch Solutions

In 2016, the Commission adopted the 5G Action Plan setting ambitious targets for 5G commercial launch by 2020 and comprehensive 5G deployment by 2025. Following its endorsement by Council and Parliament and the request by the EP to set up a regular reporting mechanism, the European 5G Observatory (www.5gobservatory.eu) was launched in 2018 to monitor the progress of the 5G Action Plan. In particular, the main market developments and the preparatory actions by public authorities are reported.

IDATE, which is conducting the European 5G Observatory activity for the Commission, will present the main findings of the first phase. The session is structured into four main blocks, after each of which a short Q&A session is foreseen. The second block will feature representatives from relevant market segments (operator, vendor and financial markets) to illustrate recent market developments and trends.

- *Introduction of the session (IDATE)*
- *Presentation of the latest 5G Observatory report (IDATE):*
  - *5G Observatory Scoreboards (EU28 & international)*
  - *5G commercial launches & product/market developments (followed by short presentations by market players)*
  - *5G trials in EU28*
  - *State of play of national 5G strategies and assignment of 5G pioneer bands*

12:30-13:30 Lunch break (60 min)

13:30-14:50 Session II – Make the regulatory framework work for 5G

Moderator: Peter STUCKMANN, Head of Unit, EC DG CONNECT

Panellists: Laszlo TOTH, GSMA; Aarti HOLLA, ESOA; Ulrich REHFÜSS, Nokia; Jonas WESSEL, PTS Sweden; Frank KRÜGER, BMVI Germany

The European Electronic Communication Code (the Code) adopted at the end of 2018 provides a revised and more investment-friendly framework for the sector. In the area of 5G, the Code introduces minimum spectrum license durations of 20 years and adapted mechanisms for spectrum assignment coordination such as a voluntary peer review. In addition, a number of implementing measures such as the Small Cells Act will be important for 5G deployment as well.

The session will assess the findings of the 5G Observatory in light of the regulatory framework in place and will identify the elements that will be of critical importance for 5G deployment in terms of implementation and application by Member States and regulators. Further measures necessary to facilitate the deployment targets could also be identified for further consideration.

- *Introduction of the session (European Commission)*
- *Panel discussion*
  - *Review of consistency in spectrum assignment among MS*
  - *Reasons for relatively slow adoption of mmWave ecosystem in the EU*
  - *Remaining deployment obstacles*
  - *The case for co-investment and network sharing for 5G deployment*
  - *5G specialised services*

14:50-15:50 Session III – Reporting methodology on 5G deployments in the future

Moderator: Philippe LEFEBVRE, Head of Sector, EC DG CONNECT

Panellists: Joan BATLLE, Barcelona City Council; Johannes THEISS, Vodafone; Sabrina STANISLAS BOUMIER, French Ministry of Finance; Maxime FLAMENT, 5GAA; Erzsebet FITORI, FTTH Council; Christian BAUER, 5G-ACIA; Jonas NÄSLUND, Ericsson; Frédéric PUJOL, IDATE

The first phase of the European 5G Observatory concentrated on 5G readiness and preparatory actions. As 5G commercial launch is now within reach, the next phase of the Observatory will also start monitoring the progress of the actual network deployment in the light of the 2025 targets of the 5G Action Plan for Europe.

It is expected that early 5G deployments will focus on enhanced mobile broadband for consumers and businesses, but will also include the first use cases for vertical sectors. Deployments targeted for more advanced use cases in a broad range of vertical sectors are expected to appear gradually between 2020 and 2025.

This session will present preliminary ideas and scenarios for an effective 5G deployment reporting strategy, addressing in particular the relevant indicators for reporting purposes, such as the number of base stations ready for 5G services (i.e. connected with fibre backhaul and/or equipped for use of 5G pioneer spectrum). The mapping of 5G coverage and quality of service will also be discussed: this could include population coverage, area coverage, coverage of transport paths, as well as tracking of local (campus-like) deployments.

- *Introduction to the session (IDATE)*

- *Presentation of a "concept paper" on "5G deployment reporting methodology" (IDATE)*

- *Panel discussion:*

  - *What network elements need to be 5G ready?*
  - *What are the criteria to consider a base station 5G ready?*
  - *What are the service features that need to be in place?*
  - *What are the relevant 5G QoS indicators?*
  - *Measuring deployment in cities and along transport paths*
  - *Measuring deployment for local use cases, e.g. Industry 4.0*
  - *Confidentiality aspects: Which data could present confidentiality challenges or be business secrets? Which data should be aggregated/anonymised? Etc.*
  - *How can operators/regulators support data collection/mapping?*

15:50-16:00 Closure *(European Commission)*

Notes:
Working language will be English (there will be no interpretation available)

There is no set lunch arrangement offered. However, there is a self-service restaurant on the top floor of this Commission building, with a wide selection of meals, including special dietary requirements.