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Directorate-General for Communications Networks, Content and Technology

Electronic Communications Networks and Services

Radio Spectrum Policy Group

RSPG Secretariat

DG CNECT B4: Spectrum – Office: BU33 7/065

Per e-mail to **CNECT RSPG** (CNECT-RSPG@ec.europa.eu)

**Intel Response to the RSPG17-040 public consultation on
“Draft RSPG Work Programme for 2018 and beyond”**

Ladies and gentlemen,

Intel appreciates RSPG work towards developing their Work Programme for 2018-2019 and welcomes the opportunity to provide Intel views on the RSPG public consultation on “Draft RSPG Work Programme for 2018 and beyond”.

Our response to the RSPG work programme is provided below.

Sincerely

Christoph Legutko
Government and Policy - Central and Eastern Europe Director
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European Electronic Communications Code, EECC.

Intel view:

Rationale

No comment

Scope of RSPG activity

Intel welcomes this approach

Planned type of deliverable

Intel welcomes this approach

Time schedule

No comment

RSPG structure and working methods

Intel view:

Rationale.

No comment

Scope of RSPG activity

Intel welcomes this approach

Planned type of deliverable

Intel welcomes this approach

Time schedule

No comment

Peer review and Member State cooperation on authorizations and awards

Intel view:

Rationale.

Intel welcomes this approach

Scope of RSPG activity

Intel welcomes this approach

Planned type of deliverable

Intel welcomes this approach

Time schedule

Workshop to share best practices can be held as appropriate.

5G Implementation Challenges

Intel view:

Rationale.

Intel appreciates RSPG efforts and contributions to the development of Europe's 5G spectrum policy strategy and encourages RSPG to make clear to all stakeholders in the Commission and in the Member States that spectrum is only a half of the bill and that the other half is the necessity to connect all the dense placed 5G base stations via ultra-fast links to the backbones.

Scope of RSPG activity

Intel welcomes the RSPG's strategic roadmap towards 5G for Europe and encourages RSPG to cooperate with all stakeholders in the Commission and in the Member States to also ensure that a strategy exists to facilitate the multi-gigabit links roll out in the last mile to enable expedite rollout of 5G small cell base stations delivering gigabits per second to the users and consumers.

Intel also welcomes effort by RSPG to facilitate access to the 3.5 GHz band in Europe as well as any activities that would enable 5G use for applications in addition to mobile broadband including the Internet of Things, Intelligent Transportation Systems, etc.

Planned type of deliverable

Intel welcomes this approach

Time schedule

The proposed time schedule appears realistic, however its acceleration would help to start 5G implementation in Europe earlier.

Common Policy objectives for WRC-19

Intel view:

Rationale

No comment.

Scope of RSPG activity

Intel welcomes this approach and accentuates the following aspects:

With respect to IMT, "radio tuning ranges" will be important in the harmonization of spectrum for the terrestrial component of IMT-2020 (i.e. "5G"). The 26 GHz "pioneer band" (24.25 - 27.5 GHz) should remain a high priority for Europe due to the possibility of harmonization of a radio tuning range which also covers the 28 GHz band (26.5-29.5 GHz), all or parts of which is already available in several leading countries outside Europe. Similarly, a radio tuning range of 37-43.5 GHz will facilitate harmonization of additional spectrum for IMT-2020 ("5G") for countries enabling part or all of this frequency range.

With respect to Intelligent Transportation Systems (ITS), the spectrum bands utilized by these systems should remain technology neutral; a technology mandate issued by any European Commission's Directorate should be avoided. The wideband data transmission for road

transport and telematics (ITS) frequency band at 63-64 GHz should be moved into the Channel 4 of the 57-66 GHz spectrum (63.72-65.88 GHz) or into the 66-71 GHz range, to align it with the current or future WiGig (IEEE 802.11ad) channel arrangements.

Planned type of deliverable

Intel welcomes this approach

Time schedule

Intel welcomes this approach

“Good offices” to assist in bilateral negotiations between EU countries

Intel view:

Rationale

Intel welcomes this approach

Scope of RSPG activity

Intel welcomes this approach

Planned type of deliverable

Intel welcomes this approach

Time schedule

No comment

European Spectrum Strategy

Intel view:

Rationale

Intel welcomes RSPG’s efforts to ensure that spectrum policy decisions are not taken in isolation and with reference to the current policy imperatives but as a part of a holistic strategic vision for entire Europe to increase the potential long term benefits.

In this context, Intel supports RSPG approach to take into account not only the technical parameters but also the economic, political, social, cultural and other strategic considerations impacting spectrum policy.

Scope of RSPG activity

Intel notes the rapid pace of technological innovation poses significant challenges to the time horizon envisioned (10-30 years). In addition, it will be imperative to not lose sight of urgent short-term spectrum policy decisions that are needed to facilitate the benefits of current and near technologies.

Planned type of deliverable

Intel welcomes this approach

Time schedule

No comment