Samsung Electronics Research UK (SRUK)
Communications House
South Street
Staines, U.K.
TW18 4QE

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Delivered to: CONNECT RSPG
E-Mail: CNECT-RSPG@ec.europa.eu

Radio Spectrum Policy Group: Draft RSPG Opinion on Common Policy Objectives for WRC-15.

1. Introduction

Samsung Electronics is pleased to respond to the public consultation regarding the above draft opinion from the RSPG. In general Samsung Electronics believes the discussion on policy objectives for WRC-15 amongst the EU Member States is an essential component for coordinating the ECP's and delivering harmonised availability and efficient use of radio spectrum across the European region.

Samsung Electronics' comments focus on the common policy objectives relating to WRC-15 agenda items 1.1, 1.2 and 10.

2. WRC-15 Agenda Item Proposals

Agenda Item 1.1

Samsung Electronics fully supports the IMT identification of further spectrum for mobile broadband (MBB) applications. Samsung Electronics agrees that further spectrum is required to satisfy the forecast for continued growth in demand for these applications and supports the studies and spectrum estimates that underpin these requirements.

More specifically Samsung Electronics:

- Fully supports the policy objective to maximise the global harmonisation of IMT spectrum identifications.
- Fully supports worldwide identification of the additional frequency bands proposed for IMT around 1.5 GHz and in the range 3400-3800 MHz.
- Agrees that support is not required for a Region 1 co-primary allocation to the mobile service in the band 470-694 MHz at WRC-15.

However, Samsung Electronics remains concerned that the additional ranges identified above may not be sufficient to meet the IMT needs by 2020 and therefore:

- Believes that the band 2700-2900 MHz could be utilised more efficiently and provide useful capacity for mobile broadband applications.

Agenda Item 1.2
Samsung Electronics fully supports all the common policy proposals put forward in the draft RSPG Opinion.

Agenda Item 10
Samsung Electronics believes that continuing growth in demand for mobile broadband services will continue beyond 2020. These services will grow hand-in-hand with developments in terminal equipment and handset capabilities that will lead into new areas of use and new applications that today can only just be envisaged. Device interconnectivity will become ever more pervasive moving into “smart” operations associated with M2M applications and energy usage management (e.g. Smart home / Smart city) and areas such as health care.

Consumers will expect ever faster and seamless connectivity with ubiquitous high performance no matter where they are situated.

In Europe, Samsung Electronics is actively collaborating with industry partners, research organisations and academia to carry out research that will shape the nature and characteristics of future networks suitable for 2020 and beyond.

Samsung Electronics believes that the spectrum required to support the demands of these future networks will need to be identified in higher frequency bands than those currently under consideration for WRC-15. The higher frequency bands can support systems requiring wider contiguous bandwidth, enabling more efficient delivery of very high data rate, low latency applications. IMT identification (in the Radio Regulations) of higher frequency bands will help drive international harmonisation and provide an important focus for further research and development.

Samsung Electronics considers that IMT identification of a frequency band (or bands) within the range 25 GHz to 43.5 GHz should be investigated. Within this range, there are a number of candidate bands already allocated in the Radio Regulations to the mobile service on a primary basis that could be studied for IMT identification. Additionally there may also be opportunities for new allocations to the mobile service (and IMT identification) within this range.

Therefore Samsung Electronics fully supports a policy objective for a future WRC-19 agenda item that will address the spectrum needs of future mobile networks and identify IMT spectrum above 6 GHz in the Radio Regulations.