



## **RSPG Opinion on Common Policy Objectives for WRC-12**

### **Qualcomm Response**

**January 2011**

Qualcomm highly welcomes the Opinion of RSPG on European common policy objectives for the World Radio Conference 2012. We believe that this Opinion appropriately connects a number of key European policies with the agenda items of the Conference. In this context, we would like to share with RSPG further detailed views on particular agenda items.

#### ***Agenda Item 1.17: 800 MHz band use by mobile broadband***

Europe has taken significant steps to harmonise and make available the 800 MHz for mobile broadband since the allocation of this band to the Mobile Service and its identification for IMT by WRC-07.

We believe that additional actions could be undertaken at WRC-12 in order to further strengthen the harmonised and efficient use of the 800 MHz by mobile broadband in Europe, taking into the cross border coordination issues with broadcasting services as well as with the aeronautical radionavigation services. We therefore support RSPG call to Member states to ensure that *‘no regulatory measure relevant to coexistence with broadcasting in addition to GE-06 agreement is adopted and to support new regulatory provisions for the coexistence between mobile and aeronautical radionavigation services [...] so as to facilitate the deployment of mobile in EU countries’*. We also support RSPG request to the European Commission to engage with countries using the aeronautical radionavigation service in order to help lifting the constraints on the wide use of the 800 MHz band for mobile broadband in neighboring EU countries.

#### ***Agenda Item 8.2: harmonisation of further mobile broadband spectrum***

The long term success of mobile broadband services in Europe will be predicated on the access to radio spectrum, a valuable finite resource. Spectrum harmonisation at ITU level is key for the emergence of global standards and economies of scale.

Fragmented small markets from a spectrum perspective hinder the development and implementation of new technologies.

Qualcomm therefore subscribes to the views expressed by the RSPG which calls Member States ‘*to support agenda item(s) for WRC-16 addressing the allocation and/or further harmonisation of spectrum*’ for mobile broadband. Despite our strong support for technology neutral spectrum rights assignment mechanisms, we believe that in the context of the World Radio Conference and the Radio Regulations, the policy objective of harmonising further spectrum for mobile broadband should be translated into an allocation of spectrum to the Mobile Service (when required), associated with an IMT identification. The IMT framework has proven to be very efficient from an industry perspective and should be maintained.

***Agenda Item 1.19: cognitive radio technologies***

Qualcomm embraces the goal of increasing spectrum use efficiency and believes cognitive radio technologies can play an important role in this regards. As detailed in our response to the RSPG Opinion on Cognitive Technologies, we believe that the development of a complementary authorisation scheme for spectrum rights of use, named “Authorised Shared Access” (ASA), which allows for a shared use of spectrum using cognitive radio technologies (geo-location databases, sensing, etc.) based on an individual authorisation model of spectrum rights, could act as a regulatory enabler to making available, in a timely manner, harmonised spectrum for mobile broadband while overcoming time, resource and political constraints.

Cognitive radio technologies should be seen in the context of the evolution path of mobile broadband technologies and fall, from a Radio Regulations and WRC standpoint, within the scope of the Mobile Service spectrum allocation and IMT identification processes. Agenda item 1.9 should therefore not result in any spectrum identification in the Radio Regulations which would specific to cognitive radios.