

PCC.II/REC. 41 (XXII-13) ¹

**PUBLIC PROTECTION AND DISASTER RELIEF (PPDR) BASED ON INTERNATIONAL
MOBILE TELECOMMUNICATIONS (IMT) SYSTEMS**

The XXII Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

CONSIDERING:

- a) That Public Protection and Disaster Relief (PPDR) systems based on International Mobile Telecommunications (IMT) technology have a fundamental role to play to respond with efficacy and efficiency to public, national and international objectives for PPDR;
- b) That many administrations wish to promote inter-operability and inter-functioning among systems utilized for public protection and relief operations, both at the national level as well as for cross-border operations in situations of emergency and relief operations;
- c) That the Radiocommunication Sector (ITU-R) is doing studies towards the possible revision of Resolution 646 (Rev. WRC-12) "Public protection and disaster relief" according to the World Radiocommunication Conference 2015 (WRC-15) agenda item 1.3;
- d) That some administrations have made decisions to include broadband PPDR communications in 700 MHz and wish to promote harmonization given the inherent benefits,

RECOGNIZING:

- a) The benefits of spectrum harmonization, such as a greater potential for interoperability, a broader industrial base and a larger volume of material resulting from economies of scale and greater availability of equipment; improved spectrum management and planning and greater cross-border coordination and circulation of equipment;
- b) That there are administrations of OAS/CITEL which are considering implementation of PPDR broadband applications based on IMT systems, either in dedicated spectrum or shared spectrum with commercial networks,

TAKING NOTE:

- a) Of the detailed requirements for PPDR networks described in the Report ITU-R M.2033 "Objectives and Requirements of Radiocommunications for Public Protection and Relief Operations";
- b) Of the Asia Pacific Telecommunity Report N° APT/AWG/REP-27 "PPDR Applications using IMT-based Technologies and Networks", adopted during the 12th meeting of the APT Wireless Group in April, 2012, which establishes technical requirements for the use of technologies and networks based on IMT for PPDR applications, as well as the different approaches for use of IMT systems to respond to the broadband PPDR needs,

EMPHASIZING:

¹ CCP.II-RADIO/doc. 3428/13 cor.1

- a) That it is the prerogative of each government to define the most adequate approach and mechanism for the concession of spectrum licensees for deployment of IMT networks to satisfy the broadband PPDR needs;
- b) That the content of this Recommendation does not limit the evaluation of and probable CITEL recommendation on the harmonized use of other IMT frequency bands for PPDR purposes,

RECOMMENDS:

To OAS/CITEL administrations that wish to deploy broadband networks to meet Public Protection and Disaster Relief (PPDR) needs in the 700 MHz band, consider the following bands conforming the channel plan they have adopted for the 700 MHz band:

- 1.1. 703-748/758-803 MHz (A5 scheme of Recommendation ITU-R M.1036-4)
 - 1.1.1. In administrations that wish to define a particular frequency range for PPDR, it is recommended to preferably use the lower portion of this band.
- 1.2. 758-768/788-798 MHz (A4 scheme of Recommendation ITU-R M.1036-4).

INVITES:

The administrations of the OAS/CITEL to follow the studies of the ITU-R regarding the amounts of spectrum necessary to satisfy the broadband PPDR needs according to their own particular conditions, and if required, submit for CITEL's consideration other options of frequency bands identified for IMT below 1 GHz in the possibility that in their administrations may not be possible to use the frequency band contained in this Recommendation.