

**PCC.II/REC. 61 (XXXII-18) <sup>1</sup>**

**PUBLIC PROTECTION AND DISASTER RELIEF (PPDR) IN  
THE FREQUENCY BAND 380-399.90 MHZ**

The 32 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II),

**CONSIDERING:**

- a) That Public Protection and Disaster Relief (PPDR) systems have a fundamental role to play to respond with efficacy and efficiency to public, national and international objectives for PPDR;
- b) That in *resolves* 1 of Resolution 646 (Rev. WRC-15) “Public protection and disaster relief” administrations are encouraged to use harmonized frequency ranges for PPDR to the maximum extent possible, taking into account the national and regional requirements and also having regard to any needed consultation and cooperation with other concerned countries;
- c) That Resolution 646 (Rev.WRC-15) encourages administrations to consider the identified frequency bands/ranges or parts thereof in *resolves* 2 and 3 when undertaking their national planning for the purposes of achieving harmonized frequency bands/ranges for advanced PPDR systems and applications,

**RECOGNIZING:**

- a) The benefits of spectrum harmonization, among them, economies of scale, facilitating cross-border coordination among stations and facilitating inter-operability and inter-functioning among the systems utilized for public protection and disaster relief, both in-country and in cross-border emergency and relief operations;
- b) That some CITEL administrations are currently implementing broadband PPDR applications based on IMT systems according to Recommendation PCC.II/REC.49 Rev.1 (XXVIII-16) “Public Protection and Disaster Relief (PPDR) based on International Mobile Telecommunications (IMT);
- c) That some CITEL administrations are currently using parts of the band 806-824/851-869 MHz for PPDR according to Recommendation PCC.III/REC.28 (VI-96) “800-900 MHz trunking”;
- d) That *resolves* 5 of Resolution 646 (Rev. WRC-15), the use of the frequency ranges for PPDR in *resolves* 2 and 3, as well as countries’ frequency arrangements for PPDR, must not cause unacceptable interference, nor constrain the use of these frequency ranges by application of the services to which these ranges are allocated in the Radio Regulations;
- e) That Recommendation ITU-R M.2015 “Frequency arrangements for public protection and disaster relief radiocommunication systems in accordance with Resolution 646 (Rev.WRC-15)” provides details on frequency arrangements for PPDR that includes the frequency band 380-399.90 MHz only with FDD duplex;
- f) That some CITEL administrations may be using other country-specific frequency arrangements for the provision of PPDR;

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- g) That some CITEL administrations have deployed broadband PPDR systems in the frequency band 380-399.90 MHz with TDD duplex;
- h) The Recommendation PCC.II/REC. 46 (XXV-15) “Guidelines to establish agreements for spectrum use in coordination areas”;
- i) The Recommendation PCC.II/REC. 44 (XXIII-14) “Guidelines for the harmonization of measurement procedures for the technical verification of spectrum use for coordination in border areas”;
- j) That the frequency band 380-399.90 MHz is not identified for IMT;
- k) That it is the prerogative of each administration to define the most appropriate use of frequency bands,

#### **TAKING NOTE:**

Of Report ITU-R M.2377 “Radiocommunication objectives and requirements for Public Protection and Disaster Relief (PPDR)”,

#### **RECOMMENDS:**

1. That CITEL administrations that wish to deploy narrowband networks for public protection and disaster relief (PPDR) services in the frequency range 380-399.90 MHz consider the following frequency arrangement:

<b>Mobile transmission frequency (MHz)</b>	<b>Base transmission frequency (MHz)</b>	<b>Duplex type</b>	<b>Duplex separation (MHz)</b>	<b>Channel bandwidth (kHz)</b>
380 – 389.90	390 – 399.90	FDD	10	12.5 / 25

2. That CITEL administrations considering the frequency arrangement in *recommends 1)* develop strategies to coordinate with neighboring countries to ensure compatibility between PPDR applications and stations of other services.

