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| XXIV MEETING OF PERMANENT **CONSULTATIVE COMMITTEE II:**  **RADIOCOMMUNICATIONS**  **September 29 to October 3, 2014**  **Mérida City, Yucatán, Mexico** | | **OEA/Ser.L/XVII.4.2**  **CCP.II-RADIO/doc. 3692/14**  **2 October 2014**  **Original: Spanish** | |
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|  | **AGENDA ITEM 1.3: PRELIMINARY PROPOSALS  FOR WRC-15[[1]](#footnote-1)** | |  |
|  | **(Item on the Agenda: 3.1 (SWG1))** | |  |
|  | **(Document submitted by the Rapporteur)** | |  |

**SWG 1 – Mobile and Fixed Issues**

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**SOURCE:** CCP.II-RADIO/doc. 3634/14

## Agenda item 1.3 to review and revise Resolution 646 (Rev. WRC-12) for broadband public protection and disaster relief (PPDR), in accordance with Resolution 648 (WRC‑12);

**BACKGROUND:**

Resolution **646 (WRC-03)** – Public Protection and Disaster Relief (PPDR), encouraged administrations, for the purpose of achieving regionally harmonized frequency bands, to consider certain identified frequency bands on a regional basis for public protection and disaster relief (PPDR) solutions. The resolution also makes reference to Report ITU-R M.2033, which defines the “Radiocommunication objectives and requirements for public protection and disaster relief” to satisfy the operational needs of PPDR organizations around the year 2010.

Since the adoption of Resolution **646 (WRC-03)**, new mobile broadband technologies have emerged. There has also been growth in the data-traffic demand for mobile broadband public protection applications, including real-time mobile video applications. This demand for new PPDR applications, not originally thought of in 2003, will continue to increase. Therefore, Resolution **648 (WRC-12)**:

“ *resolves to invite WRC-15*

to consider the studies in *invites ITU-R* below on broadband PPDR and take appropriate action with regard to revision of Resolution **646 (Rev. WRC-12)**,

*invites ITU-R*

to study technical and operational issues relating to broadband PPDR and its further development and to develop recommendations, as required, on:

* technical requirements for PPDR services and applications;
* the evolution of broadband PPDR through advances in technology;
* the needs of developing countries,”

As the responsible group, ITU-R Working Party 5A (WP 5A) is developing a draft new Report ITU-R M.[PPDR] on “Public protection and disaster relief communications” to address the three studies above called for by Resolution **648 (WRC-12)** and a consequential action to suppress Report ITU-R M.2033. Therefore, the editorial amendments to Resolution **646 (Rev.WRC-12)** should replace all references to Report ITU-R M.2033 with a reference to the new Report ITU-R M.[PPDR]. Referencing the new Report ITU-R M.[PPDR] within Resolution **646 (Rev. WRC-12)** will also give administrations the flexibility to provide updated information on their PPDR objectives and requirements without the need of a WRC action.

The benefits resulting from the use of regionally or internationally harmonized frequency bands documented in Resolution **646 (Rev. WRC-12)** still remains. Allowing revisions, other than editorial amendments, to the resolution runs the risk of administrations proposing administration specific frequency ranges for PPDR. This may introduce spectrum fragmentation and has the potential to hinder regional or international roaming if manufacturers are required to include support for many disparate frequencies in their devices (i.e., will hinder economies of scale and equipment availability).

**Proposals:**

Canada proposes to support Method A of the draft CPM text for WRC-15 agenda item 1.3 as shown below. Under this method, no change will be made to Resolution **646 (Rev.WRC-12)**, other than editorial amendments to Footnote 1 of Resolution **646 (Rev.WRC-12)** and the text surrounding it, and updated references to ITU-R Reports. The broadband PPDR requirements will be addressed through ITU-R studies appropriately.

Method A fulfills the objectives of review and revision of Resolution **646 (Rev. WRC-12)**, as stated in Resolution **648 (WRC-12)**.

MOD CAN/ 1.3/1

RESOLUTION 646 (REV.wrc--15)

Public protection and disaster relief

The World Radiocommunication Conference (Geneva, 2015),

considering

…

*g)* that new technologies for wideband and broadband public protection and disaster relief applications are being developed in various standards organizations;

…

*m)* that the Tampere Convention on the Provision of Telecommunications Resources for Disaster Mitigation and Relief Operations (Tampere, 1998), an international treaty deposited with the United Nations Secretary-General and related United Nations General Assembly Resolutions and Reports are also relevant in this regard1,

…

recognizing

*g)* that currently some bands or parts thereof have been designated for existing public protection and disaster relief operations; [[2]](#footnote-3)3

…

noting

*c)* that public protection and disaster relief agencies and organizations have a set of requirements, including but not limited to interoperability, secure and reliable communications, sufficient capacity to respond to emergencies, priority access in the use of non-dedicated systems, fast response times, ability to handle multiple group calls and the ability to cover large areas as described in Report ITU‑R M.[PPDR];

**Reason**: Method A provides sufficient flexibility to administrations by addressing broadband PPDR requirements through ITU-R studies and maintains the approach agreed in the *resolves* part of Resolution **646 (Rev. WRC-12),** in which the requisite frequency bands/ranges are harmonized to the extent possible on the international/regional level for PPDR applications.

**SUP** CAN/1.3/2

RESOLUTION 648 (wrc-12)

# Studies to support broadband protection and disaster relief

**Reasons:** Method A fulfills the objectives of review and revision of Resolution **646 (Rev. WRC-12)**, as stated in Resolution **648 (WRC-12)**.

1. CCP.II-RADIO/doc. 3634/14 [↑](#footnote-ref-1)
2. 3 3-30, 68-88, 138-144, 148-174, 380-400 MHz (including CEPT designation of 380-385/ 390-395 MHz), 400-430, 440-470, 764-776, 794-806 and 806-869 MHz (including CITEL designation of 821-824/866-869 MHz). [↑](#footnote-ref-3)