

Annex1

EC Mandate 700 MHz mandate

Various tasks, organization issues, timing

Output ECC PT1#43

(endorsed by CPG PTD#3)

This document has been agreed by the last ECC PT1#43 and endorsed by CPG PTD (concerning the tasks where CPG PTD support is expected).

Based on the results of the last ECC (see **ECC#33 Minutes section 8.1**) which serves as reference, this document describes the relevant detailed tasks to respond to the EC mandate (section A), the organization issues (section B) and the timing (section C) where the relevant deliverables have to be submitted to ECC PT1 for approval.

It focuses on task 1 and 2 of the EC mandate. This document will be reviewed by ECC PT1 further to WRC 15 to describe the detailed tasks to respond to task 3 of the mandate.

A. Description of tasks to respond to the mandate

This section describes for each tasks identified at the last ECC (Tasks 1x and Tasks 2x hereafter) how to develop the relevant response.

Preferred technical channeling arrangement in 694¹-790 MHz (ECC PT1 – SWG A)

Task 1 a: *Development of a preferred technical channeling arrangement in 694²-790 MHz for wireless broadband with the understanding that such channelling arrangement could potentially not only cater for electronic communications services, but also for PPDR : ECC PT1 supported by CPG PTD and, with regard to PPDR, ECC PT1 to liaise with WG FM/ PT 49 and WG SE, as appropriate.*

The 700 MHz channeling arrangement is already under discussion in CPG PTD (some options under consideration)

ECC PT 1 should avoid duplicating the work of CPG PTD:

- **CPG PTD** to consider how to reduce the number of options under consideration (WBB) and to report to ECC PT1 on (limited) option(s) for identification of preferred one if needed.

¹ This provisional lower band edge is subject to a precise definition within the scope of this Mandate. It is identical with the provisional lower limit stipulated in WRC-12 Resolution 232 which is subject to additional refinement at the WRC-15

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Concerning PPDR, ECC PT1#43 informed WG FM /PT FM 49 that the very large majority of the current options under consideration at CPG PTD focused on a frequency division duplex (FDD) arrangement. Based on the progress of the work from CPG PTD in the reduction of number of options for the channeling arrangement, ECC PT1 intends to provide later to WG FM/PT 49 more detailed information on preferred frequency arrangement(s) under investigation. Where and when appropriate, on PPDR, a LS could be developed to inform CPG PTA of relevant channeling arrangement.

Common least restrictive technical conditions (BEM) (ECC PT1 – SWG C)

Task 1b: *Development of Common least restrictive technical conditions (BEM) for wireless broadband with the understanding that such BEM could potentially not only cater for electronic communications services, but also for PPDR: ECC PT1, with regard to PDDR, see above Task 1a*

The BEM issues could be described as hereafter

ECC PT1 should avoid duplicating the work of CPG PTD

- ECC PT1: BEM (in blocks/oob): coexistence between systems in the band– cooperation with WG FM/WG FM 49/ where appropriate on the PPDR systems foreseen in the band.

ECC PT1#43 agreed to launch a CG to start to investigate the issue and nominated Ms. Doriana Guiducci (Italy) to chair this group.

- ECC PT1#43 sent a LS to WG FM/PT 49 to seek the views of PT FM 49 on the planned approach of developing common technical conditions (BEM) which would be suitable for commercial mobile broadband and also for PPDR networks.
- **CPG PTD** : concerning adjacent band issues, ECC PT1 to benefit from CPG PTD studies (see hereafter task c)
- ECC PT1: To assess the compatibility with harmonized conditions of wireless broadband at 790 -862 MHz. ECCPT1#43 noted that the BEMs for 800 MHz could be used as a starting point for discussions in the CG on BEM (see above).

Coexistence between wireless broadband and Broadcasting at 694¹ MHz (ECC PT1- SWG C)

Task 1c : *To study how to ensure coexistence between wireless broadband and Broadcasting at 694¹ MHz : ECC PT1 supported by CPG PTD*

The issue of coexistence between wireless broadband and Broadcasting at 694¹ MHz is already under discussion at CPG PTD (and ITU R)

- ECC PT 1 should avoid to duplicate the debate. ECC PT1#43 identified two input contributions (from GSM A and Nokia/NSN) on that topic also submitted to CPG PTD. ECC PT1#43 clarified that these input contributions are more suitable for CPG PTD.
- **CPG PTD** : to consider the issue and to provide relevant feedback to ECC PT 1 as soon as possible

Cross-border coordination issues (ECC PT1-SWG C)

In addition to the above tasks responding to the task 1 of EC mandate and later in the process (To be assessed in 2014/2015):

- To assess cross-border coordination issues for wireless broadband systems. ECC PT1#43 agreed that this activity will be launched in a later stage
- To assess cross-border coordination between wireless broadband and other terrestrial applications, including at the EU external borders : ECC PT1 will benefit from results of **CPG/PT-D**, where appropriate

PMSE issues (ECC PT1 SWG A-SWG C)

Task 1 d : *To assess and study, if needed, the possible impact on PMSE below 694 MHz and to identify the relevant coexistence criteria*

- ECC PT1 to liaise with WG FM/PT FM 51 and WG SE/SE 7 as appropriate

For information: **CPG PTD** already sent a LS to WGFM/FM51 (see CPG PTD(12)024 ANNEX 6)

- **CPG PTD** to review the issue and to develop where appropriate an additional liaison statement to WGSE/SE7 copy WGFM/FM51.

Task 2 a : *To identify possible spectrum to accommodate PMSE in the 694-790 MHz band (in particular wireless microphones) - For example either in the center gap of a potential FDD arrangement or a relevant guard band :*

- ECC PT1 (SWG A) to assess the interest of PMSE community on possible opportunities in possible center gap : to liaise with WG FM/PT FM 51 and WG SE/SE 7 as appropriate. **CPG PTD** has to develop a position on this subject for the next WRC (see invite 5 of Res 232)

ECC PT1#43 sent a Liaison to seek the view from WG FM/PT FM 51 on on the interest of using PMSE in the centre gap of a potential FDD arrangement or a relevant guard band, and if so, any relevant information on such a usage.

- ECC PT1 to avoid duplication of work of CPG PTD on PMSE

Task 2 b : *To develop relevant common technical conditions (BEM) for PMSE :*

- ECC PT1 SWGC (depending on result of task 2a) To consider if current BEM at 800 MHz are suitable with preferred frequency arrangement at 700 MHz to liaise with WG FM/PT FM 51 and WG SE/SE 7 when and as appropriate (see above task 2a)

B. Organization issues

ECC PT1 seeks for an efficient way of working and to benefit from collocated CPG PTD.

ECC PT1 is the leading group to manage the development of the relevant reports to be submitted to ECC. This activity will be conducted in conjunction with CPG PTD.

ECC PT1#43 nominated M. Steve Green as overall coordinator of these activities to respond to the EC mandate (Tasks 1 & 2) taken into account his role as WRC-15 1.2 coordinator and ECC

PT1 participant. This approach streamlines the process avoiding unnecessary Liaison Statements between both groups (ECC PT1/CPG PTD)

ECC PT1 chairman will report to ECC on progress on this mandate;

C. Time schedule

Tasks 1 and 2

- Interim report from CEPT for approval in October 2013 ECC meeting

ECC PT1/ CPG PTD **September 13** (based on inputs from others ECC entities as appropriate) to approve the interim report to be submitted to ECC#35 (November 13)

Draft Skeleton of interim report

- Description of tasks
- Main issues to consider – initial assumptions

- Draft CEPT Report A for approval for public consultation in June 2014 ECC meeting

ECC PT1/ CPG PTD **May 14** (based on inputs from others ECC entities as appropriate) to approve the draft CEPT report A to be submitted to ECC (June 14)

- Final CEPT report A for final approval in October 2014 ECC meeting

ECC PT1/CPG PTD **September 14** (based on inputs from CPG PTD and others ECC entities as appropriate) to approve the Draft report to be submitted to ECC (November 14)

Task 3

- Draft CEPT Report B for approval for public consultation in March 2016 ECC Meeting
- Final CEPT report B for final approval in June 2016 ECC Meeting

Based on outcome of WRC15, ECC PT1– Q1 2016 - to approve the Draft report to be submitted to ECC (March 16)