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| Summary:  |
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| Proposal: |
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1. The following pages are intended to be compiled in one CEPT Brief on AI 9

DRAFT CEPT BRIEF ON AGENDA ITEM 9.1 Issue 9.1.2

9.1.2 Resolution 761 (WRC-15). Compatibility of International Mobile Telecommunications and broadcasting-satellite service (sound) in the frequency band 1 452-1 492 MHz in Regions 1 and 3

# ISSUE

This agenda item addresses compatibility between IMT and BSS (sound) in the frequency band 1 452-1 492 MHz in Regions 1 and 3.

# Preliminary CEPT position

CEPT has harmonised the frequency band 1 452-1 492 MHz for supplemental downlink under the mobile service. CEPT supports the protection of this application from BSS (sound).

In order to facilitate the coexistence between IMT and BSS in the band 1 452-1 492 MHz, the current regulatory procedures governing the relation between BSS and terrestrial services need to be modified by inserting a pfd value of -113 dBW/m²/MHz in Article 21 with the view to provide a more stable (long-term stability) situation to IMT.

RR Appendix 5 needs to be modified so as to enable countries wishing to continue to apply coordination procedure under RR No. 9.11 to do so. Therefore a pfd limit will apply to BSS with respect to all terrestrial services except for countries wishing to continue to apply RR No. 9.11, because of more stringent protection requirement (e.g. in order to protect telemetry systems).

# Background

ITU-R WP 4A and WP 5D have joint responsibilities for studies under this agenda item. The conclusion of the draft CPM text shall be agreed by both WP 4A and WP 5D. For this purpose, the Chairmen of both WPs shall coordinate the schedule of the meetings, as appropriate.

WP 4A is responsible for the studies requested in the resolves to invite ITU-R with respect to the BSS (sound) service, taking into account the technical and operational characteristics provided by WP 5D.

WP 5D is responsible for the studies requested in the resolves to invites ITU-R with respect to IMT, taking into account the technical and operational characteristics provided by WP 4A.

In CEPT the frequency band 1 452-1 492 MHz is harmonised for terrestrial mobile/fixed communications networks supplemental downlink (see ECC Decision (13)03). This band has remained almost unused in a large part of the world although some BS, BSS, and AMT systems have been introduced in some countries.

# List of relevant documents

ITU-Documentation (Recommendations, Reports, other)

CEPT and/or ECC Documentation (Decisions, Recommendations, Reports)

* ECC/DEC/(13)03

EU Documentation (Directives, Decisions, Recommendations, other), if applicable

* Commission Implementing Decision (EU) 2015/750 of 8 May 2015 on the harmonisation of the 1 452-1 492 MHz frequency band for terrestrial systems capable of providing electronic communications services in the Union

# Actions to be taken

Contribute to studies in ITU-R WP 4A and WP 5D

# Relevant information from outside CEPT (examples of these are below)

## European Union (date of proposal)

## Regional telecommunication organisations

APT (date of proposal)

ATU (date of proposal)

Arab Group (15-20 April 2017)

Follow up technical studies and note the technical characteristics of satellite broadcasting systems to ensure that there are no restrictions on the use of IMT applications for the frequency band 1452-1492 MHz.

CITEL (July 2017)

USA and Uruguay

Studies under WRC-19 agenda item 9.1/ issue 9.1.2 are limited to Regions 1 and 3. Any eventual changes made to the Radio Regulations under WRC-19 agenda item 9.1/issue 9.1.2 must not impact Region 2 services (and applications thereof) nor subject Region 2 to any changed procedural or regulatory provisions.

RCC (14 April, 2017)

The RCC Administrations are in favour of the development of relevant regulatory provisions and technical conditions in order to provide compatibility between IMT and broadcasting-satellite service (sound) in the frequency band 1452-1492 MHz in Regions 1 and 3, taking into account IMT and BSS (sound) operational requirements.

The RCC Administrations consider that technical conditions and regulatory provisions developed within the framework of conducted studies should also take into account the need to protect aeronautical telemetry systems in aeronautical mobile service.

## International organisations

IATA (date of proposal)

ICAO (date of proposal)

IMO (date of proposal)

NATO (23 June 2017)

This NATO military assessment summary is a common military assessment of the NATO Nations on the potential impacts and benefits of Agenda Item 9.1, Issue 9.1.2. It does not constitute a common position of the NATO Nations.

From a military perspective, studies under this issue present a limited risk on NATO military usage in adjacent bands.

SFCG (date of proposal)

WMO and EUMETNET (date of proposal)

## Regional organisations

ESA (date of proposal)

Eurocontrol (date of proposal)

## OTHER INTERNATIONAL AND REGIONAL ORGANISATIONS

EBU (date of proposal)

GSMA (date of proposal)

CRAF (date of proposal)