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| Subject:  | Draft CEPT Brief on WRC-15 Agenda Item 9.2 (satellite part) |
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| Summary:  |
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| Proposal: |
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Editor´s Note: The following pages are intended to be compiled in one CEPT Brief on AI 9

DRAFT CEPT BRIEF ON AGENDA ITEM 9.2 (SATELLITE PART)

# ISSUE

Collection of difficulties or inconsistencies encountered in the application of the Radio Regulations (RR) that are identified by the administrations, the Radiocommunication Bureau (BR) and the Radio Regulations Board (RRB), as well as the suggestion of the BR and the RRB of modifications of the RR to alleviate such difficulties or inconsistencies.

# Preliminary CEPT position

CEPT will gather any difficulties or inconsistencies encountered by its members in their application of the provisions of the Radio Regulations related to space procedures. CEPT will afterwards bring them to the attention of the Radiocommunication Bureau so that they may be included in the Director’s Report to WRC-15).

# Background

In February 2014, the Radiocommunication Bureau (BR) has published Circular Letter CR/358 through which a new Class of Station (code UC) has been created for an earth station while in motion associated with a space station in the fixed-satellite service (FSS) in the bands listed under provision RR No. 5.526 (i.e. the 19.7 - 20.2 GHz and 29.5 - 30.0 GHz bands in Region 2 and 20.1 - 20.2 GHz and 29.9 - 30.0 GHz bands in Regions 1 and 3). CEPT developed ECC Report 184 and ECC/DEC/(13)01 in order to create a harmonized regime exempting from individual licensing ESOMPs that complied with certain technical and operational criteria. CEPT views the publication of Circular Letter CR/358 as very positive for ESOMPs operations and notices that the guidance provided by the BR aligns with the same principles which in the CEPT led to the development of the regulatory framework for ESOMPs.

CEPT believes that there are no technical or regulatory reasons for RR No. 5.526 to apply to only a portion of the 19.7 - 20.2 GHz and 29.5 - 30.0 GHz bands in Regions 1 and 3. This limited application is inconsistent with ECC/DEC/(13)01 and constrains the operation of ESOMPs, particularly compared to those operating in Region 2. CEPT then proposes to extend the applicability of RR 5.526 to the entire 19.7 - 20.2 GHz and 29.5 - 30.0 GHz bands in Regions 1 and 3, without requiring that earth stations in motion and their satellites to be operating in both the fixed-satellite service and in the mobile-satellite service. Considering the principles which led to the creation of RR Nos. 5.526 to 5.529 and the new class of earth station (code UC) recently created, those networks would only need to be in the fixed-satellite service, thus respecting the technical and regulatory conditions of FSS.

Initial discussions showed that a modification to the RR that would form part of a possible implementation of the proposals above would be the following, noting that additional regulatory provisions may need to be developed to specify the technical and regulatory conditions under which ESOMP would operate with FSS satellites.

MOD 5.526 In the bands 19.7-20.2 GHz and 29.5-30 GHz , networks in the fixed-satellite service may include links between earth stations at specified or unspecified points or while in motion, through one or more satellites for point-to-point and point-to-multipoint communications.

# List of relevant documents

ITU-Documentation (Recommendations, Reports, other)

Annex 32 to Document 4A/242 – “Possible elements for the Director's Report related to the experience in the application of the radio regulatory procedures and other related matters - Review of the provisions associated with the use of the band 15.4-15.7 GHz by the FSS (Earth-to-space and space-to-Earth)”

Annex 38 to Document 4A/468 – “Note to the Director, Radiocommunication Bureau – Conversion of the current rule of procedure concerning the format used for the submission of information under Resolutions 552 (WRC-12) and 553 (WRC-12)”

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

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

# Actions to be taken

* Administrations are encouraged to inform CPG PTB about any inconsistency and difficulty on the application of the provisions of the Radio Regulations related to space procedures.
* Consideration of suggested modifications or other means from CEPT countries to alleviate the identified difficulties and inconsistencies
* Consideration of suggested modifications or other means from countries outside CEPT to alleviate identified difficulties and inconsistencies

# 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 (December 2013)

Follow up the current studies.

CITEL (October 2012)

**Preliminary Views**

**Canada**:

* Will be participating and contributing, where appropriate, in ITU-R studies and within CITEL and will be reviewing the Director’s Report to WRC-15 in preparation for its proposals to the conference.
* Is of the view that the inconsistencies in the application of “Additional allocation” and “Different category of service” in Article 5 should be studied in ITU-R and addressed at WRC-15.

RCC (November 2013)

The RCC administrations support measures to eliminate any difficulties or inconsistencies encountered in the application of the Radio Regulations

## International organisations

IATA (date of proposal)

ICAO (date of proposal)

IMO (date of proposal)

NATO (date of proposal)

SFCG (date of proposal)

WMO and EUMETNET (date of proposal)

## Regional organisations

ESA (date of proposal)

EUMETNET (date of proposal)

Eurocontrol (date of proposal)

## OTHER INTERNATIONAL AND REGIONAL ORGANISATIONS

EBU (date of proposal)

GSMA (date of proposal)