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| CPG19-4 |
| Cluj-Napoca, Romania, 4th - 7th July 2017 |
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| Date issued:  | 7th July 2017 |
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| Subject:  | Draft CEPT Brief on WRC-19 Agenda Item 9.1 issue 9.1.7 |
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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 9.1.7 - Issue 2) in the Annex to Resolution 958 (WRC‑15)

9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:

9.1 on the activities of the Radiocommunication Sector since WRC‑15.

# ISSUE

Issue 2) in the Annex to Resolution 958 (WRC‑15) “Urgent studies required in preparation for the 2019 World Radiocommunication Conference”

2) Studies to examine:

* 1. whether there is a need for possible additional measures in order to limit uplink transmissions of terminals to those authorized terminals in accordance with No 18.1;
	2. the possible methods that will assist administrations in managing the unauthorized operation of earth station terminals deployed within its territory, as a tool to guide their national spectrum management programme, in accordance with ITU‑R  Resolution 64 (RA‑15).

# Preliminary CEPT position

CEPT notes that this Agenda Item addresses the issue of enforcement of unauthorized ubiquitous FSS earth stations and not the issue of earth stations in motion (ESIM) which is covered by Agenda item 1.5.

CEPT does not see the need for any changes of the Radio Regulations. Furthermore, CEPT is of the view that this issue is already addressed in Article 18. CEPT supports possible ITU-R studies on best practices, related to national management of unauthorized operation of earth station terminals deployed within territory of concerned administration.

# Background

No 18.1 provides that no transmitting station may be established or operated by a private person or by any enterprise without a licence issued in an appropriate form and in conformity with the provisions of the Radio Regulations by or on behalf of the government of the country to which the station in question is subject.

The International Telecommunication Regulations “recognize the right of any Member, subject to national law and should it decide to do so, to require that administrations and private operating agencies, which operate in its territory and provide an international telecommunication service to the public, be authorized by that Member”, and specify that “within the framework of the present Regulations, the provision and operation of international telecommunication services in each relation is pursuant to mutual agreement between administrations”.

Working Party (WP) 1B, the responsible group for the studies on this issue of Agenda item 9.1, met 2-9 June 2016. WP 1B sent a LS to WP 4A with regard to studies on managing uplink transmissions of terminals to be limited to authorized terminals. WP 4A is asked to provide comments to Annex 5 to Document 1B/51 and/or any relevant information.

A similar issue is being studied under WRC-19 AI 1.5 and the results of these studies may be noted in further development of the CEPT position on this issue. It is expected that the concern about unauthorized usage of ESIM will be addressed under AI 1.5 in a manner similar to the way it was addressed under Resolution 156 (WRC-15); namely, by requiring ESIM networks to “Have the capability to limit operations of such earth stations to the territory or territories of administrations having authorized those earth stations.” (doc. PTB(17)18).

At the February 2017 meeting of PTB doc. PTB(17)INFO10 was introduced which examined the adequacy of the current language in Article 18 requiring authorisation of transmitters. The contribution also provides some relevant information about how Article 18 is implemented by network operators in practice.

WP 1B has developed a Questionnaire which has been sent to administrations to gather information on current situation though the circular letter 1/LCCE/99. CEPT administrations are encouraged to answer this Questionnaire. Deadline for the Questionnaire is 13 May 2017.

# List of relevant documents

ITU-Documentation:

* Annex 07 to Document 1B/123 – Working document towards draft CPM text on WRC-19 Agenda item 9.1, issue 9.1.7 – Res. 958 (WRC-15) Annex item 2
* Annex 08 to Document 1B/123 – Work plan for WRC-19 Agenda item 9.1, issue 9.1.7 – Res. 958 (WRC-15) annex item 2
* Annex 09 to Document 1B/123 – Working document towards a preliminary draft new Report on studies for WRC-19 Agenda item 9.1, issue 9.1.7
* Resolution ITU‑R 64 – Guidelines for the management of unauthorized operation of earth station terminals
* 1/LCCE/99 – Questionnaire prepared by ITU-R Working Party 1B relating to the operation of ubiquitously deployed earth station terminals in the context of studies under WRC-19 Agenda item 9.1, issue 9.1.7

CEPT and/or ECC Documentation

# Actions to be taken

To prepare proposals to the draft CPM Report, if necessary

To develop an ECP on this issue.

# 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 (April 2017)

* Support the current studies in order to assist administrations to manage the unauthorized operation of earth station terminals.
* Support introducing any possible additional measures in order to limit uplink transmission of terminals to those authorized terminals.

CITEL (July 2017)

Preliminary Proposal

USA

NOC USA/9.1/9.1.7/1

Radio Regulations (WRC-15) Volumes 1, 2 and 4

USA

SUP USA/9/1/9.1.7/2

ANNEX TO RESOLUTION 958 (WRC-15) No. 2

Urgent studies required in preparation for the

2019 World Radiocommunication Conference

Reasons: Earth station licensing and related issues are national matters and no changes to the Radio Regulations are necessary as Article 18 sufficiently addresses the required international regulatory measures. Instead, better training and monitoring capability, along with ITU developed reports and handbooks, can assist administrations in inhibiting the use of unauthorized uplink earth terminals and can enable administrations to locate and terminate the unauthorized transmissions.

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RCC (14 April, 2017)

The RCC Administrations consider that the issue of preventing the unauthorized use of earth stations terminals, including ESIM terminals shall be considered both under the WRC-19 Agenda item 9.1 issue 9.1.7, which is a general issue covering all frequency bands and all types of ubiquitous FSS earth stations, and WRC-19 Agenda item 1.5 relating only to a single (Ka) band and regulatory aspects for operations of earth stations in motion (ESIM) in the Ka frequency bands allocated to FSSInternational organisations

IATA (date of proposal)

ICAO (date of proposal)

IMO (date of proposal)

SFCG (date of proposal)

WMO and EUMETNET (date of proposal)

NATO (Military Assessment only)

This NATO military assessment summary is a common military assessment of the NATO Nations on the potential impacts and benefits of Agenda Item 91. Issue 9.1.7. It does not constitute a common position of the NATO Nations.

From a military perspective, it is important to safeguard the current conditions for military use of mobile satellite uplink transmissions and that decisions under this issue will not negatively impact NATO military operations or expand to address message content or cybersecurity issues.

## 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)