**Report of the Agenda Item Coordinator during CPM19-2**

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1. Agenda Item 1.14

to consider, on the basis of ITU-R studies in accordance with Resolution **160 (WRC-15)**, appropriate regulatory actions for high-altitude platform stations (HAPS), within existing fixed-service allocations;

1. APT Preliminary Views and/or APT Views for the modification of draft CPM Report (which was submitted to CPM19-2) on the Agenda Item

For the APT Preliminary Views on the Agenda item adopted at APG19-4, please refer to the output document of APG19-4 meeting (Doc. APG19-4/OUT-17).

APT did not submit any input contributions to CPM19-2 meeting on this Agenda item.

1. Topics proposed by other regional Groups or ITU Members which are not included in no. 2 above

Several ITU Members proposed updates of the draft CPM Report based on the recent study results related to this agenda item.

1. Progress of discussion during CPM19-2 on the Agenda Item

SWG 1c under WG 1 considered this agenda item with establishing 3 drafting groups as follows.

* DG 1c1 – ai 1.14 FS/MS/AMS (Chairman: Ms. Azar Zarrebini)
* DG 1c2 – ai 1.14 SCIENTIFIC (Chairman: Mr. Jean-Yves Guyomard)
* DG 1c3 – ai 1.14 FSS/ISS (Chairman: Mr. Boris Sorokin)

CPM Report on this agenda item was finalized with the following methods to satisfy the agenda item and their regulatory and procedural considerations based on the updated study results.

* **Method A** – No change

The existing provisions in the Radio Regulation remain unchanged in the corresponding frequency band.

* **Method B** – Identification of bands, or parts thereof in accordance with Resolution 160 (WRC-15) with options
* **Method B1** – Revision of the regulatory provisions for HAPS in the FS with a primary status in bands already identified for HAPS

This may include, e.g. global or regional identification for HAPS, limitations regarding link directions, and inclusion of the technical conditions of operation of HAPS systems for the protection of other services. This could be achieved by new or revised footnotes to the Table of Frequency Allocations, and new or revised associated Resolutions.

* **Method B2** – Add new identification(s) for HAPS in bands already allocated to the FS with a primary status

This may include, e.g. global or regional identification for HAPS, limitations regarding link directions, and inclusion of the technical conditions of operation of HAPS systems for the protection of other services. This could be achieved by new or revised footnotes to the Table of Frequency Allocations, and new or revised associated Resolutions.

* **Method B3** – Add a primary allocation to the FS and a new identification for HAPS in the band 24.25-25.25 GHz (Region 2) not already allocated to the FS

This may include, primary allocation for FS in Region 2 and identification for HAPS in that Region, together with conditions e.g. limitations regarding link directions, and inclusion of the technical conditions of operation of HAPS systems for the protection of other services. This could be achieved by new or revised footnotes to the Table of Frequency Allocations, and new or revised associated Resolutions.

* **Method C** – Suppress the existing HAPS identification, pursuant to *resolves* 3 of Resolution 160 (WRC-15)

There are two views expressed with respect to Method B3 as follows.

*View 1: Some administrations are of the view that method B3 is out-of-scope of Resolution 160. Resolution 160 permits HAPS identifications only in bands allocated to the fixed service on a primary basis. In Region 2, the band 24.25-25.25 GHz is not allocated to the fixed service. In addition, no studies have been performed between the fixed service and other incumbent services except for HAPS fixed links and primary and adjacent existing services.*

*View 2: Some administrations are of the view that method B3 is in the scope of Resolution 160. Resolution 160 permits a HAPS identification in the band 24.25-27.5 GHz in Region 2. In Region 2, the 24.25-25.25 GHz portion of this range is not allocated to the fixed service, but Resolution 160 inconsistently states that the entire 24.25-27.5 GHz range is allocated to the fixed service. Therefore, this sub-band could be allocated to the fixed service under agenda item 1.14, but limited to HAPS application only, since no studies have been performed between conventional fixed service systems and other incumbent services.*

An overview of methods and relevant options currently considered in the CPM Report under the agenda item is provided in the table below:

Summary of methods to satisfy the agenda item and associated frequency bands

| Section 1/1.14/ | Bands | Methods and options | | |
| --- | --- | --- | --- | --- |
| Method A | Method B | Method C |
| 4.1/5.1 | 6 440- 6 520 MHz | √ | B1 | √ |
| 4.2/5.2 | 6 560- 6 640 MHz | √ | Not proposed | √ |
| 4.3/5.3 | 21.4-22 GHz (R2 only) | √ | B2 | N/A |
| 4.4/5.4 | 24.25-25.25 GHz (R2 only) | √ | B3 | N/A |
| 4.5/5.5 | 25.25-27.5 GHz (R2 only) | √ | B2 | N/A |
| 4.6/5.6 | 27.9-28.2 GHz | √ | B1 | √ |
| 4.7/5.7 | 31-31.3 GHz | √ | B1 | √ |
| 4.8/5.8 | 38-39.5 GHz | √ | B2 | N/A |
| 4.9/5.9 | 47.2-47.5 GHz / 47.9-48.2 GHz | √ | B1 | √ |

1. Issues which require discussion at APG Coordination meeting and seek guidance thereafter

*None*

*Note: Coordinators are encouraged to conduct informal consultation with interested APT Members on the issues/topics under no. 3 and inform the outcomes of consultation to the Coordination Meeting*.