**Report of the Agenda Item Coordinator during WRC-19**

Mr. Dong Zhou ([dzhou322@gmail.com](mailto:dzhou322@gmail.com))

11/11/2019

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;

Resolution 160 (WRC 15) – Facilitating access to broadband applications delivered by high altitude platform stations

1. APT Common Proposals and APT Views for WRC-19 (which has been submitted to WRC-19)

APT Members support no changes to the Radio Regulations (Method A as contained in the CPM Report) to ensure protection of all existing services to which frequency bands are allocated and their future development in the frequency bands 6 440-6 520 MHz and 6 560-6 640 MHz

In addition, APT Members are of the view that any consideration of the frequency band 24.25-27.5 GHz in Region 2 under this agenda item should not limit the possibility to identify the band for IMT on a global basis under WRC-19 agenda item 1.13.

APT Members consider that protection of all existing services to which frequency bands are allocated and their future development should be ensured.

No consensus was reached among APT Members on any Method to address this agenda item in the frequency bands 27.9-28.2 GHz, 31-31.3 GHz, 38-39.5 GHz, 47.2-47.5 GHz and 47.9-48.2 GHz.

1. Topics proposed by other regional Groups or ITU Members which are not included in no. 2 above
2. Progress of discussion during WRC-19 on the Agenda Item

WG 4B3 has a few technical issues left under Method B.

* 6GHz (6 440-6 520 MHz & 6 560-6 640 MHz)

In the context of Alternative 2 (Worldwide identification HAPS to ground), the proposed footnote draft has been approved. Still one *resolve* needs to be resolved.

* 28GHz (27.9-28.2 GHz)

Regarding to the drafting footnote for Alternative 2(worldwide identification HAPS to ground), 3 different versions are under discussion. Meanwhile, there are ongoing discussions about ATPC and compliance issue, and pfd mask for MS protection issues, i.e., 3 *resolves* need further discussion.

* 31GHz (31-31.3 GHz)

One *resolve* need further discussion, namely ATPC and compliance.

* 38GHz (38-39.5 GHz)

Unsolved issues are ATPC and compliance. Solution to protect FSS is still under discussion.

* 47GHz (47.2-47.5GHz & 47.9-48.2GHz)

In these two bands, Amendments to the existing provisions introduced by Alternative 2 were drafted. The ATPC and compliance issue is still under discussion.

1. Issues which require discussion at APT Coordination Meetings and seek guidance thereafter

As the 4B3 meeting is wrapping up the technical discussion, it’s time to listen to the views of APT countries and decide the Region 3 view for each band. APT members are invited to consider following proposals and form the APT position.

1. 6GHz (6 440-6 520 MHz & 6 560-6 640 MHz),

NOC

1. 28GHz (27.9-28,2 GHz)

Divergent views were expressed from APT members in past APG meetings and in this Conference, some supported using this band for HAPS, while some supported NOC.

Proposals:

If No consensus reached on Global/Regional identification for HAPS in APT, interested country(ies) can join the country footnote with the consent of concerned administration(s).

1. 31GHz (31-31.3 GHz)

During last two weeks 4B3 meetings, in Method B, two directionalities (HAPS-to-Ground & Ground-to-HAPS) were considered. Considering not too many views were expressed regarding this band in past APG meetings, APT members are invited to consider:

1. To support HAPS identification on Region 3 level for uplink OR both uplink and downlink.
2. If No consensus reached on *a)*, interested country(ies) can join the footnote with the consent of concerned administration(s).
3. 39GHz (38-39.5 GHz)

4B3 meeting is considering two directionalities and related resolution protecting concerned services. Noting this band received divergent views among APT members and also this band is considered in AI 1.13, Region 3 could consider the following views:

This frequency band may be used by HAPS for uplink or combined uplink and downlink.

It is also considered in agenda item 1.13 for possible IMT identification, some APT administrations support to use the frequency band for IMT or other service. Therefore, some difficulties may exist to identify this frequency band for HAPS in Region 3.

Proposals:

If No consensus reached on Global/Regional identification for HAPS in APT, interested countries may join the country footnote with the consent of concerned administration(s).

1. 47GHz (47.2-47.5 GHz & 47.9-48.2 GHz)

This band is already identified for HAPS on global basis.

The meeting will finish the modification of resolution 122. APT administrations could consider supporting it or not.

*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*. *Coordinators can also organize coordination meetings on the respective agenda items whenever necessary.*