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

Name and email of the Coordinator: Zhuoran Liu / liuzhr@srrc.org.cn

Report Date: 21/Feb/2019

1. Agenda Item 2

To consider in-band power limits for earth stations operating in the mobile-satellite service, meteorological-satellite service and Earth exploration-satellite service in the frequency bands 401-403 MHz and 399.9-400.05 MHz, in accordance with Resolution 765 (WRC‑15);

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

APT members support the ITU-R studies in accordance with Resolution 765 (WRC-15) to conduct and complete, in time for WRC-19, the necessary technical, operational and regulatory studies on establishing in-band power limits for earth stations required to protect satellite system with lower or moderate power (e.g. DCS) from harmful interference from telecommand-link earth stations operating in the EESS and MetSat in the frequency band 401-403 MHz and the MSS in the frequency band 399.9-400.05 MHz.

2.1 For the band 399.9-400.05 MHz

APT members do not support Method A in the Draft CPM Report for this Agenda Item and support the e.i.r.p. limit indicated in Table 4/1.2/3-1of the Draft CPM Report. APT members are of the view that transitional arrangements are needed to ensure that the existing telecommands for EESS systems, including those systems to be notified before a certain date (e.g. November 22, 2019), may continue to operate [until TBD]

2.2 For the band 401-403 MHz

APT members support Method E in the Draft CPM Report for this Agenda Item. APT members are of the view that transitional arrangements are needed to ensure that the existing telecommands for EESS, including those systems to be notified before a certain date (e.g. November 22, 2019), may continue to operate until January 1, 2029.

1. Topics proposed by other regional Groups or ITU Members which are not included in no. 2 above
* For the 400MHz band, addition of NOC to both bands (USA)
* Addition of a 10 kHz spectrum for those links subject to RR No. 1.23 in Method D to account for Doppler shifts. (CAN)
* Addition of a new method I similar to old Method C but with different two limits, one for the total power, one for any 4kHz reference bandwidth. (RUS) To merge this method I with old Method E.
* Addition to Method E with two options, one of the options introduces a new WRC-19 Resolution (TBD).
* Propose to delete Method F (ASMG).
1. Progress of discussion during CPM19-2 on the Agenda Item

All documents were introduced at the first SWG on AI 1.2.

The meeting entered into drafting exercises on a merged document taking into account all input contributions. Two new method were added.

Discussions took place on the possible mitigation technique(s) available for those Earth stations operated under RR No.1.23 with respect to the DCS systems operated in the same two bands listed above. Questions were raised as to whether this (these) technique(s) will work in actual uses.

The Meeting discussed the question about whether NOC was intended in contemplating the CPM Methods for the 400MHz band. The meeting decided to revert back to original CPM draft.

A 10 kHz spectrum was taken into account for those links subject to RR No. 1.23 in Method D. But some administrations still have concerns with this additional 10 kHz.

The aim of newly added Method I is to avoid misuses of the relevant provisions to allow multiple emissions to emulate a single earth station which means higher actual EIRPs than intended.

During WG discussion, it was noted that there is an empty Resolution in Method G, and some administrations have difficulties to agree to undefined conditions with defined advantages and disadvantages to be attached to these conditions. Compromise text was reached to associate the “advantages and disadvantages” only to the proponent of the Method.

The TEMP document (TEMP/13) for this agenda item was approved with other minor changes.

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

N/A

*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*.