



# THAI METEOROLOGICAL DEPARTMENT

## WMO Preliminary Position on WRC-19 Agenda



**Reference:** January 2017 meeting of WMO Steering-Group on Radio-Frequency Coordination (SG-RFC)



## Among WRC-19 agenda items, 13 items are prime interest or concern for meteorology and related fields

### 1) Agenda item 1.1: Amateur service in the 50-54 MHz band

**Position:** Does not oppose but appropriate protection of radiolocation service allocated by RR No 5.162A is ensured

### 2) Agenda item 1.2: Satellite hard limits at 400 MHz (MSS/METSAT/EESS ES)

**Position:** Support the establishment of in band power/e.i.r.p limits to ensure the protection of met. Operations (e.g. METSAT and EESS (e-to-s)) in the 401-403 MHz

### 3) Agenda item 1.3: METSAT and EESS at 460-470 MHz

**Position:** Support the upgrade of the METSAT (s-to-e) allocation to primary in this band and creation of a primary allocation to the EESS (s-to-e), while retaining the priority of METSAT over EESS as expressed in footnote RR No. 5.289





## 4) Agenda item 1.6: Non GSO FSS at 37.5-51.4 GHz

**Position:** Support the development of regular framework for non-GSO FSS in the 37.5-51.4 GHz band and ensure the protection of EESS (e-to-s) in the band 40-40.5 and EESS (passive) in the band 36-37 GHz and 50.2-50.4 GHz including ensure effective operation of ground-based radiometers in the 50.4-51.4 GHz

## 5) Agenda item 1.7: Small satellite

**Position:** Emphasize that the 400.15-406 MHz is the key band for radiosondes and DCS worldwide operations and is concerned about its consideration under this AI

## 6) Agenda item 1.13: IMT 5G

**Position:** Support the need to conduct studies and does not oppose new IMT 5G identification/allocations range 24.25-86 GHz provided that protection of ISS, EESS (e-to-s and s-to-e) and EESS (passive) is ensured





## 7) Agenda item 1.14: HAPS

**Position:** Does not oppose new identifications and that protection of ISS, EESS (s-to-e) in the 25.5-27 GHz and EESS (passive) is ensured

## 8) Agenda item 1.15: FS/MS above 275 GHz

**Position:** Does not oppose new identifications and that protection of EESS (passive) is ensured

## 9) Agenda item 1.16: RLAN 5 GHz

**Position:** Oppose relaxed restrictions that would allow the outdoor use of RLAN devices in the 5250-5350 MHz and

Oppose to an allocation/identification for RLAN in the frequency band 5350-5470 MHz, since it will endanger the operation of current EESS (active) systems and meteorological radars





## 10) Agenda item 9.1.5: RLAN 5 GHz and ref. to radar ITU-R rec.

**Position:** Support referencing Rec. ITU-R M.1849-1 in No 5.450A of the RR to ensure the continue protection of meteorological radars from WAS/RLAN system

## 11) Agenda item 9.1.6: Wireless Power Transmission (WPT)

**Position:** Does not oppose to study the suitable harmonized freq. ranges (20-6800 kHz) of WPT provided that it does not impact operation of lightning detection networks operating in the 20-350 kHz range and oceanographic radars operating in the 5250-5274 kHz band

## 12) Agenda item 1.16: FSS at 51.4-52.4 GHz

**Position:** Does not oppose to possible allocation of 51.4-52.4 GHz band to the FSS (e-to-s) provided that protection of EESS (passive) in the bands 50.2-50.4 GHz and 52.6-54.25 GHz is ensured

## 13) Agenda item 10: Agenda for next WRCs

**Position:** Support retention of WRC-23 agenda, related to EESS (active) around 45 MHz and space weather sensors





**Thank you for your attention**



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