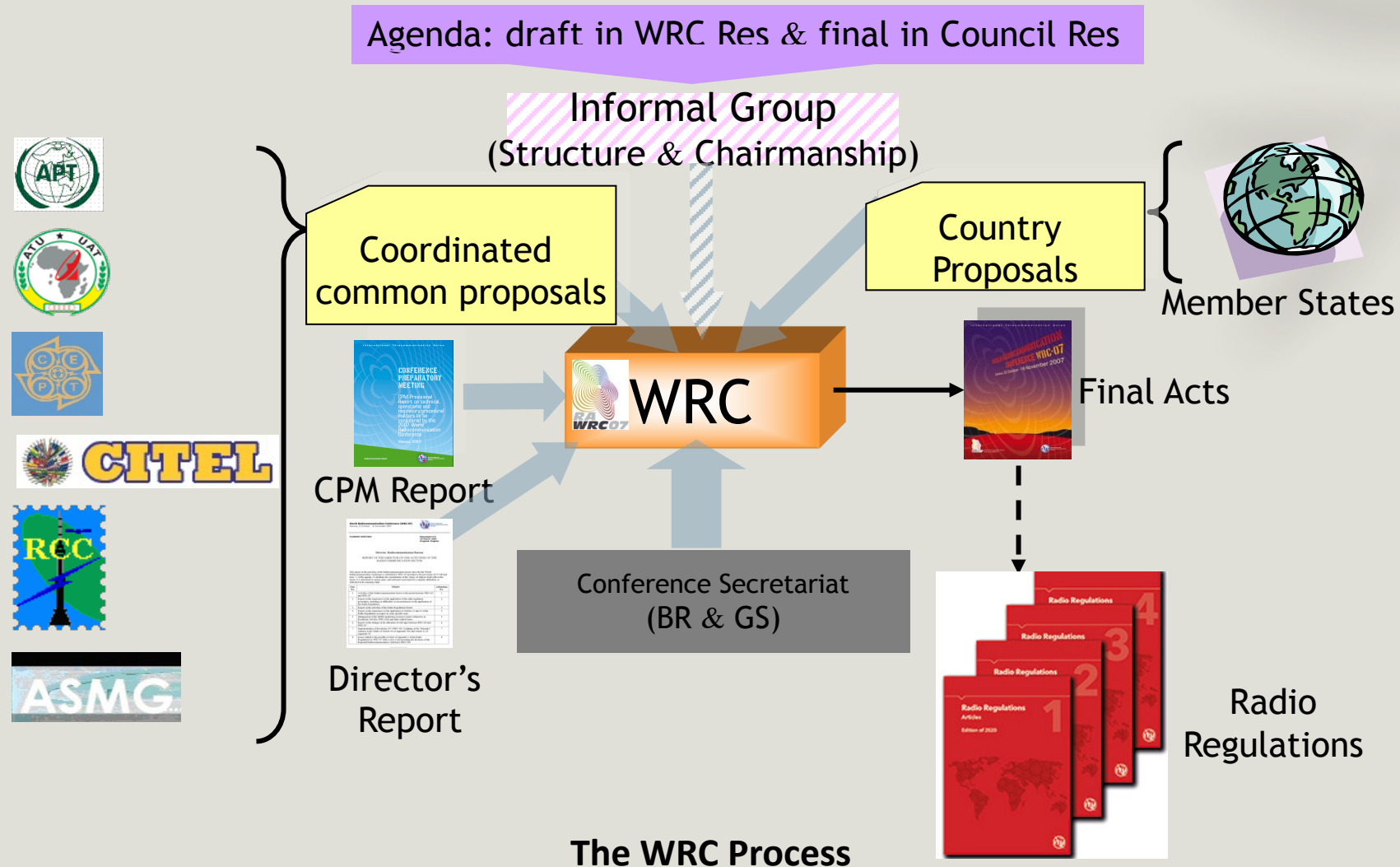




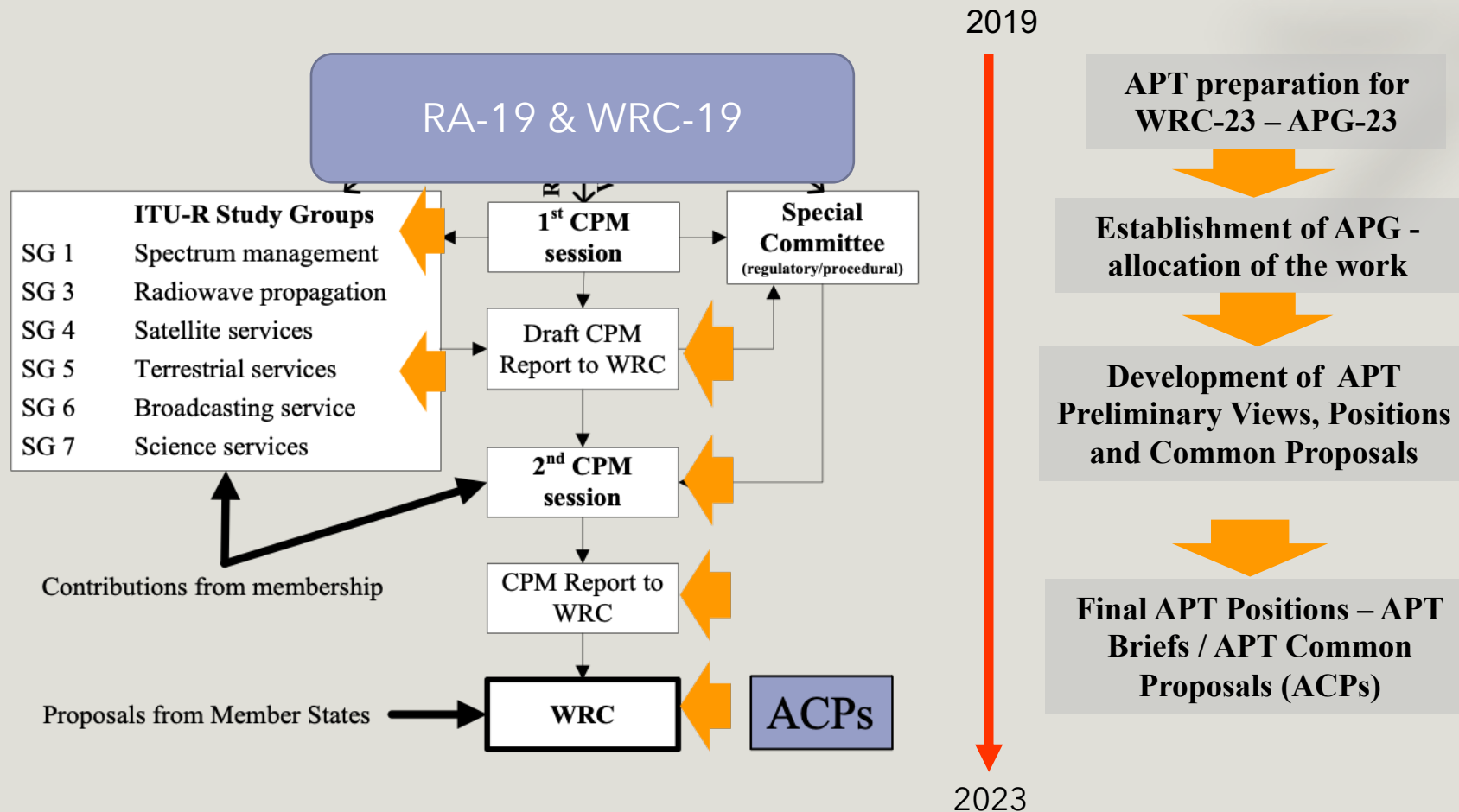
**Preparations for WRC-23**  
**OUTCOMES OF APG 23-2**

**Bharat B Bhatia,**  
**President, ITU-APT Foundation of India**  
**Vice Chairman - Asia Pacific, World Wireless Research Forum (WWRF)**

# WRC Process and Role of Regional bodies



# WRC- Process & APT Preparations



# APG23

APT's preparatory activities for WRC-23 was started in 2020 by the 1<sup>st</sup> Meeting of APT Conference Preparatory Group for WRC-23 (APG23-1). The meeting elected the following office bearers

<b>Chairman, APG-23</b>	Dr. Kyu Jin Wee (Rep. of Korea)
<b>Two Vice-Chairmen, APG-23</b>	Ms. Zhu Keer (People's Rep. of China) Mr. Muneo Abe (Japan)
<b>Chairman, Editorial Committee</b>	Mr. Christopher Hose (Australia)

APG23-1 unanimously appointed Mr. Kavouss Arasteh as a Special Senior Adviser to the APG-23

# WRC-23 has 19 agenda items under Agenda 1 and 6 other standing Agenda items (2,4,7,8,9,10)

Working Party	Assigned Agenda Items	Working Party Chairman/Co-Chairman
<b>WP1: Fixed, Mobile and Broadcasting Issues</b>	1.1, 1.2, 1.3, 1.4,1.5, 9.1 (c), RR 21.5 (Doc.550)	Dr. Hiroyuki Atarashi (Japan) Dr. Jae Woo Lim (Rep. of Korea)
<b>WP2: Aeronautical and Maritime Issues</b>	1.6, 1.7, 1.8, 1.9, 1.10, 1.11 Res.427	Mr. Bui Ha long (Viet Nam)
<b>WP3: Science Issues</b>	1.12, 1.13, 1.14, 9.1 a), d) and WRC-19 Doc.573	Mr. Wahyudi Hasbi (Indonesia)
<b>WP4: Satellite Issues</b>	1.15, 1.16, 1.17, 1.18, 1.19 & 7	Ms. Fenhong Cheng (China) <b>Mr. M Pattanaik (India)</b>
<b>WP5: General Issues</b>	2, 4, 8, 9.1 b), and 10	Dr. Taghi Shafiee (Iran)

# APG Meetings Calendar

Date/venue	Meeting of the APT Conference Preparatory Group Meeting for WRC-23
24 - 25 September 2020 Virtual Meeting	APG23-1
19-23 April 2021 Virtual	APG23-2
November 2021	APG23-3
June-July 2022	APG23-4
Mid-January 2023	APG19-5
July-August 2023	APG23-6



# RADIO ASSEMBLY (RA-23) MATTERS

- **ITU-R Resolutions**

- Doc.RA19/PLEN/77 shows a list of ITU-R Resolutions indicating actions taken at RA-19. We should review these and suggest edits as appropriate

- **Revision of Resolution ITU-R 1-8**

- Working methods for the Radiocommunication Assembly, the Radiocommunication Study Groups, the Radiocommunication Advisory Group and other groups of the Radiocommunication Sector

- **APT Coordination of ITU-R office bearer nominations**

- APG reviewed the current ITU-R Study Groups Chairmen and Vice-Chairmen
- Chairmen of SGs 3, 5, 6 and 7 are in the 2<sup>nd</sup> term and, therefore new Chairmen will be elected for these SGs. At the next meeting, APG will start discussions about those vacant positions of SG Chairs and India should put forward their candidates at the Next APG
- Most of the Vice-Chairmen in SGs 4, 5, 6 and 7 are in first term and therefore new candidates for Vice-Chairman of these SGs might experience severe competition.

# 11 WRC-23 Agenda items identified as possible HIGH Priority for India

Agenda	Key Issue to be Considered
1.1	Consider the pfd criteria in 4 800-4 990 MHz identified for IMT in many countries,
1.2	Consider the identification for IMT in 7 025-7 125 MHz globally
1.4	Consider use of HAPS as IMT base stations (HIBS) in frequency bands below 2.7 GHz* already identified for IMT
1.11	Consider regulatory actions to support the modernization of the GMDSS
1.15	Consider the use of the band 12.75-13.25 GHz (E-s) by earth stations on aircraft and vessels communicating with GSO space stations in the FSS globally
1.16	Consider the use of the bands 17.7-18.6 GHz and 18.8-19.3 GHz and 19.7-20.2 GHz (s-E) and 27.5-29.1 GHz and 29.5-30 GHz (E-s) by non-GSO FSS earth stations in motion (ESIM)
1.17	Consider <i>satellite-to-satellite links in bands 11.7-12.7 GHz, 18.1-18.6 GHz, 18.8-20.2 GHz and 27.5-30 GHz</i>
7	Satellite Regulatory Issues
RR21.5	IMT stations using active antenna systems (AAS)
9.1 c)	Study the use of IMT system for fixed wireless broadband in the frequency bands allocated to the fixed services on primary basis
10	Develop WRC-27 Preliminary Agenda items



# Next APG 23-3 will be in November 23

- **APG 23-3 will**

- update APT preliminary views on WRC-23 Agenda Items based on input contributions from APT Members
- consider the progress in ITU-R Study Groups in relation to WRC-23 Agenda items, and take necessary actions as appropriate
- review the activities of other regional organisations, in particular, their preliminary views/positions with a view to fostering inter-regional cooperation
- review of issues related to RA-23 and develop preliminary views of APT, if any

- **10 top Asian countries made contributions to APG23-1 and APG23-2 on various agenda items and issues**

- Japan, New Zealand, Australia, Korea (Republic of), Singapore, Indonesia, China, Viet Nam Thailand, Samoa

- **Urgent need to identify the agenda items on which India will make contribution to APG23-3**

- Possibly 1.1, 1.2, 1.4, 1.11, 1.15, 1.16, 1.17, 7, 9.1 c), RR21.5, 10

- **India's National Preparatory Committee (NPC-WRC-23) to start preparing for these items soon.**

# Next Steps in Preparations for WRC-23

- APG23-2 preliminary views on WRC-23 Agenda items are summarised in the following slides.
- Please see full output documents of APG23-2 for more details on these agenda items and issues.
- IAFI will create a Working group for drafting of Inputs for APG23-3 and submission to the Administration in early September. Nominations are invited for this group. Please email your interest to [info@itu-apt.org](mailto:info@itu-apt.org)
- These will be presented in our 3<sup>rd</sup> Workshop planned for September 2021 and submitted to the NPC.

# WRC-23 Agenda items on Fixed, Mobile & Broadcasting issues

- **1.1** In the band 4 800-4 990 MHz (identified for IMT in 39 countries), consider the pfd criteria in No. 5.441B for the protection of stations of the aeronautical and maritime mobile services located in international airspace and waters from other stations located within national territories (**Res. 223 Rev. WRC-19** )
- **APG 23-2 View:**
  - In APG23-2 meeting, some APT Members expressed the view that while addressing agenda item 1.1, it is not necessary to apply the pfd criteria in RR. No. **5.441B** to protect stations of the aeronautical and maritime mobile services located in international airspace and waters (i.e., outside national territories).
  - Some other APT Members support the on-going ITU-R studies on technical and regulatory conditions for the protection of stations of the aeronautical and maritime mobile services located in international airspace or waters (i.e. outside national territories) and operated in the frequency band 4 800-4 990 MHz in accordance with Resolution **223 (Rev.WRC-19)**.

# WRC-23 Agenda items on Fixed, Mobile & Broadcasting issues

- **1.2** Consider the identification for IMT of the following frequency bands: 3 300-3 400 MHz(sub-Reg.1 & Reg.2), 3 600-3 800 MHz(Reg.2), 6 425-7 025 MHz(Reg.1), 7 025-7 125 MHz(globally) and 10.0-10.5 GHz(Reg.2) **Res. 245 (WRC-19)**
  - Some APT Members were of the view that in the 2<sup>nd</sup> APG-23 meeting it should focus on the frequency band 7 025-7 125 MHz which is consistent with the mandate contained in Resolution **245 (WRC-19)**.
  - Some APT Members supported the development of APT Preliminary Views regarding the frequency bands for other Regions mentioned in Resolution **245 (WRC-19)**.
  - Some APT Members are of the view that when addressing other frequency bands for Region 1 and Region 2, the APT Preliminary Views could be discussed and considered with regard to impact of the possible IMT identification in those bands on existing services in Region 3 in these and adjacent frequency bands.
  - Some APT Members pointed out that identification of the frequency band 10-10.5 GHz in Region 2 under this agenda item may have a global impact on EESS (active) in the frequency band 10.0-10.4 GHz.

# WRC-23 Agenda items on Fixed, Mobile & Broadcasting issues

- **1.3** Consider a primary allocation of the band 3 600-3 800 MHz to the mobile service within Region 1 **Res. 246 (WRC-19)**
  - Due to possibility of contiguous utilization of the frequency band 3 600 - 3 800 MHz with the lower and upper adjacent frequency bands by the various applications of the mobile service, it is more desirable to satisfy this agenda item in WRC-23 with similar technical and regulatory conditions. As an example guideline, such conditions could be found in RR No. 5.430A relevant to the allocation of the band in this agenda item.
  - The non-overlapping scope of agenda items 1.2 and 1.3 in the dealing with the frequency band 3 600-3 800 MHz was discussed.
  - APT Members are of the view that the allocation of the frequency band 3 600-3 800 MHz to the mobile service on a primary basis within Region 1, should not have any adverse effect on the allocation of the existing services and their future development in Region 3.

# WRC-23 Agenda items on Fixed, Mobile & Broadcasting issues

- **1.4** Consider use of high-altitude platform stations as IMT base stations (HIBS) in the mobile service in certain frequency bands below 2.7 GHz\* already identified for IMT, on a global or regional level **Res. 247 (WRC-19)** \*studies of bands 694-960 MHz, 1 710-1 885 MHz (1 710-1 815 MHz for ↑ only in Reg. 3), 2 500-2 690 MHz (2 500-2 535 MHz for ↑ only in Reg. 3, except 2 655-2 690 MHz in Reg. 3)
  - APT Members support the ongoing ITU-R studies for establishing a new globally or regionally harmonised regulatory framework for HIBS with a view to providing flexibility of spectrum usage for HIBS in certain frequency bands below 2.7 GHz already identified for IMT referred to in Resolution **247 (WRC-19)**, while ensuring protection of the existing services, to which the frequency band is allocated on a primary basis, without imposing any additional technical or regulatory constraints in their deployment including other IMT uses, existing systems and the planned development of primary services.

# WRC-23 Agenda items on Fixed, Mobile & Broadcasting issues

- **1.5** Review the spectrum use and spectrum needs of existing services in 470-960 MHz in Region 1 and consider regulatory actions in 470-694 MHz in Region 1 **Res. 235 (WRC-15)**
  - APT Members are of the view that conclusion to be reached on the agenda item 1.5 is a Region 1 issue and WRC-23 decisions shall in no way adversely affect Region 3 frequency allocations and existing and future use of the relevant frequency band.

- **WRC-23 Agenda items on Aeronautical & Maritime issues**
- **1.6** Consider regulatory provisions to facilitate radiocommunications for sub-orbital vehicles **Res. 772 (WRC-19)**
  - APT Members support ITU-R studies of spectrum needs for communications between stations on board sub-orbital vehicles and terrestrial/space stations and of appropriate modification, if any, to the Radio Regulations consistent with Resolution **772 (WRC-19)**.
  - APT Members are of the view that when studying appropriate modification to the Radio Regulations, existing services must be properly protected.
-



- **WRC-23 Agenda items on Aeronautical & Maritime issues**
- **1.7** Consider AMS(R)S allocation for both the E-s & s-E directions of aeronautical VHF communications in all or part of the frequency band 117.975-137 MHz **Res. 428 (WRC-19)**
  - APT Members support ITU-R studies for a new AMS(R)S allocation in accordance with Resolution **428 (WRC-19)** for the Earth to space and space to Earth direction.

- **WRC-23 Agenda items on Aeronautical & Maritime issues**

- **1.8** Review and, if necessary, revise Res. 155 (Rev.WRC-19) & No. 5.484B to accommodate the use of FSS networks by control and non-payload communications of unmanned aircraft systems **Res. 171 (WRC-19)**
  - Since WRC-19, there has been no significant progress as of yet in ITU-R WP 5B in regard to technical, operational and regulatory studies. APT Members are encouraged to actively participate in the future ITU-R WP 5B meetings and its corresponding group to follow the discussion.

# • WRC-23 Agenda items on Aeronautical & Maritime issues

- **1.9** Review Appendix 27, to accommodate digital technologies for commercial aviation safety-of-life applications in existing HF bands allocated to the AM(R)S and ensure coexistence of current and modernized HF systems **Res. 429 (WRC-19)**
  - APT Members support studies with a view to identify any necessary modifications to RR. Appendix 27 to accommodate wideband HF technologies for the aeronautical mobile (route) service (AM(R)S) between 2 850 and 22 000 kHz in accordance with Resolution **429 (WRC-19)** with the need to avoid harmful interference to Primary services in the same band and adjacent bands in particular existing AM(R)S HF systems.
  - APT Members recognise that there are differing Wideband HF technologies and are of the view that changes to RR. Appendix 27 should allow new digital wideband HF systems taking into account technology neutrality.

- **WRC-23 Agenda items on Aeronautical & Maritime issues**

- **1.10** Consider spectrum needs, for possible new AMS allocations for non-safety aeronautical mobile applications **Res. 430 (WRC-19)**
  - APT Members support ongoing ITU-R studies on spectrum needs, coexistence with radiocommunication services and regulatory measures for possible new allocations for the aeronautical mobile service for the use of non-safety aeronautical mobile applications, in accordance with Resolution **430 (WRC-19)**;
  - APT Members are of the view that the protection of existing primary services in the 15.4-15.7 GHz and 22-22.21 GHz frequency bands and, as appropriate, in adjacent frequency bands should be ensured.

# • WRC-23 Agenda items on Aeronautical & Maritime issues

- **1.11** Consider possible regulatory actions to support the modernization of the GMDSS and implementation of e navigation **Res. 361 (Rev.WRC-19)**
  - ***Resolves 1: GMDSS Modernization***
    - APT Members support possible introduction of automatic connection system (ACS) and international NAVDAT service for the modernization of GMDSS.
    - APT Members are of the view that ITU-R studies take into consideration the activities of IMO for GMDSS modernization, such as introduction of NAVDAT system and revised IMO performance standards of GMDSS equipment.
  - ***Resolves 2: E-navigation***
    - APT Members support the ITU-R studies and associated regulatory actions, taking into consideration the activities of IMO, for implementation of e-navigation.
  - ***Resolves 3: Introduction of additional satellite systems into the GMDSS***
    - APT Members are of the view that the introduction of additional GSO satellite systems into the GMDSS are considered, provided that the results of study on sharing and compatibility with other services in the same and adjacent frequency bands ensure protection of services to which the bands are allocated.

# WRC-23 Agenda items on Science issues

## issues

- **1.12** Consider new secondary allocation to the EESS (active) service for spaceborne radar sounders within the range of frequencies around 45 MHz **Res. 656 (Rev.WRC-19)**
  - APT Members are of the view that a possible new secondary allocation could be considered to the Earth exploration-satellite service (active) for spaceborne radar sounders within the range of frequencies around 45 MHz if ITU-R studies show that the protection of in-band and adjacent band incumbent services could be ensured while not imposing any additional restrictions onto those services.

# WRC-23 Agenda items on Science issues

## issues

- **1.13** Consider to upgrade of the allocation of the frequency band 14.8-15.35 GHz to the space research service **Res. 661** (**WRC-19**)
  - APT Members support ITU-R studies for the consideration of upgrading the SRS allocation from secondary to primary in the frequency band 14.8-15.35 GHz, while ensuring protection and not imposing constraints on incumbent services in this frequency band as well as the band 15.35-15.4 GHz and appropriate transitional measures need to be developed to protect incumbent service allocated on a secondary basis in the frequency band 15.2-15.35 GHz.

# WRC-23 Agenda items on Science issues

## issues

- **1.14** Consider possible adjustments of the existing or possible new primary frequency allocations to EESS (passive) in the frequency range 231.5-252 GHz, to ensure alignment with more up-to-date remote-sensing observation requirements **Res. 662 (WRC-19)**
  - APT Members support the consideration of possible adjustments of the existing or possible new primary frequency allocations to EESS (passive) in the frequency range 231.5-252 GHz in accordance with Resolution 662 (WRC-19) subject to the outcome of the study results. Any changes to the EESS (passive) allocations in the frequency range 231.5-252 GHz shall not adversely affect the operation of other primary services allocated in this frequency band.



# WRC-23 Agenda items on Satellite issues

## issues

- **1.15** Consider the use of the band 12.75-13.25 GHz (E-s) by earth stations on aircraft and vessels communicating with GSO space stations in the FSS globally **Res. 172 (Rev.WRC-19)**
- APT Members support on-going studies being carried out by ITU-R Working party 4A for the use of the frequency band 12.75 - 13.25 GHz (Earth-to-space) by earth stations on aircraft and vessels communicating with GSO space stations in the FSS while ensuring protection of existing services in those frequency bands and in adjacent bands, in accordance with Resolution **172 (WRC-19)**.
- APT Members also support ITU-R studies to develop technical conditions and regulatory provisions for operation of earth stations on aircraft and vessels communicating with GSO space stations in the FSS operating in the frequency band 12.75-13.25 GHz (Earth-to-space), while ensuring protection to the existing services and those in the adjacent bands, in accordance with Resolution **172 (WRC-19)**.
- operation of such earth stations on aircraft and vessels should not impact the usability of the allotments in the Plan and assignments in the List under Appendix 30B of the Radio Regulations.
- use of the frequency band 12.75-13.25 GHz (Earth-to-space) by earth stations on aircraft and vessels shall not limit the access of other administrations to their national resources in Appendix **30B** as well as implementation of Resolution **170 (WRC-19)**.

# WRC-23 Agenda items on Satellite issues

## issues

- **1.16** Consider the use of the bands 17.7-18.6 GHz and 18.8-19.3 GHz and 19.7-20.2 GHz (s-E) and 27.5-29.1 GHz and 29.5-30 GHz (E-s) by non-GSO FSS earth stations in motion (ESIM) **Res. 173 (WRC-19)**
  - The results of on-going sharing and compatibility studies carried out by WP4A between earth stations in motion (ESIM) planned for communications with non-GSO FSS in the frequency bands 17.7-18.6 GHz, 18.8-19.3 GHz and 19.7-20.2 GHz (space-to-Earth), and 27.5-29.1 GHz and 29.5-30 GHz (Earth-to-space) and the existing services including passive services allocated in those frequency bands and the adjacent bands should ensure the protection of these services, in accordance with Resolution 173 (WRC-19).
  - appropriate examination methods for any measures to be taken by the Bureau for non-GSO ESIM to comply with resolutions dealing with this Agenda Item should be established in order to ensure the protection of terrestrial services and space services once the result of ITU-R studies are available.

# WRC-23 Agenda items on Satellite issues

## issues

- **1.17** Consider inter-satellite links in specific frequency bands\* or portions thereof, by adding an inter-satellite service allocation where appropriate **Res. 773 (WRC-19)**
- *\*refers to satellite-to-satellite links in bands 11.7-12.7 GHz, 18.1-18.6 GHz, 18.8-20.2 GHz and 27.5-30 GHz*
  - APT Members support ITU-R studies on the sharing and compatibility as well as to develop technical conditions and regulatory provisions for the use of satellite-to-satellite operations in the 11.7-12.7 GHz, 18.1-18.6 GHz, 18.8-20.2 GHz and 27.5-30 GHz frequency bands in accordance with Resolution **773 (WRC-19)**, as such the use shall ensure protection of primary services allocated in the bands and in the adjacent bands.

# WRC-23 Agenda items on Satellite issues

## issues

- **1.18** Consider spectrum needs and potential new MSS allocations\* for future development of narrowband MSS systems **Res. 248 (WRC-19)**

\* in the bands 1 695-1 710 MHz (R2), 2 010-2 025 MHz (R1), 3 300-3315 MHz and 3 385-3 400 MHz (R2)

- It is summarized that the primary services (either through allocation by frequency allocation table or by footnote Nos. **5.384, 5.388, 5.429, 5.429E and 5.429F**) including IMT systems in Region 3 in the frequency bands which are considered under the agenda item 1.18 of WRC-23 should be protected from any impact of the study results for this agenda item.
- APT Members support the studies at ITU-R for ensuring the protection of primary services including the protection for IMT systems deployed in the same and adjacent frequency bands for Region 3, noting that they are Regions 1 & 2 issues. In addition, these existing primary services can continue operations without additional regulatory or technical constraints imposed on these services, in any potential decisions made at WRC-23 regarding agenda item 1.18.

# WRC-23 Agenda items on Satellite issues

## issues

- **1.19** Consider new primary allocation to the FSS (S-E) direction in the frequency band 17.3-17.7 GHz in Region 2 **Res. 174 (WRC-19)**
  - APT Members are of the view that any studies at ITU-R related to Agenda Item 1.19 needs to ensure protection of the services to which the bands are allocated in the same and adjacent bands.

# WRC-23 Agenda 9.1 Issues

**9.1 Issue (a)** Consider technical and operational characteristics, spectrum requirements and appropriate radio service designations for **space weather sensors** with a view to describing appropriate recognition and protection in the RR without placing additional constraints on incumbent services **Res. 657 (Rev.WRC-19)**

APT Members support the ITU-R studies relating to the identification of space weather sensors, their technical and operational characteristics, spectrum requirements and appropriate radio service designations with a view to describing appropriate recognition and protection in the Radio Regulations without placing additional constraints on incumbent services.

# WRC-23 Agenda 9.1 issues

**9.1 Issue (b)** Consider amateur service & the amateur-satellite service allocations in the frequency band 1 240 1 300 MHz to determine if additional measures are required to ensure protection of the RNSS (s-E) operating in the same band **Res. 774 (WRC-19)**

APT Members support ITU-R studies in accordance with Resolution **774 (WRC-19)**, to protect RNSS (space-to-Earth) receivers from the amateur and amateur-satellite services in the frequency band 1 240-1 300 MHz without considering the removal of the amateur and amateur-satellite service allocations.

# WRC-23 Agenda 9.1 issues

**9.1 Issue (c)** Study the use of IMT system for fixed wireless broadband in the frequency bands allocated to the fixed services on primary basis **Res. 175 (WRC-19)**

- Views were expressed that no change to the ITU Radio Regulations (RR) is required under this topic for fixed wireless broadband applications using IMT technology.
- Views were expressed that the ITU-R studies shall take into account the coexistence between the IMT and existing systems in the frequency bands currently allocated to the fixed service, and consequently it is premature to conclude that no change to the RR is required.
- Due to the lack of time, it was not able to continue the discussion to reconcile these different views.
- Furthermore, no consensus was reached whether to send a liaison statement to AWG for this topic during the DG discussion.



# WRC-23 Agenda 9.1 issues

**9.1 Issue (d)**      *Protection of EESS (passive) in the frequency band 36-37 GHz from non-GSO FSS space stations (the 2<sup>nd</sup> section of the Annex to WRC-19 Document 535)*

APT Members support studies in ITU-R for the protection of EESS (passive) sensors operating in the band 36-37 GHz from non-GSO FSS systems in the band 37.5-38 GHz, with due consideration of operational aspects of non-GSO FSS system, leading to Recommendations and/or Reports as appropriate.

# Additional topics of WRC-23, identified at CPM23-1

**Additional Topic** Updating provisions related to aeronautical services in the Radio Regulations (**Resolution 427 (WRC-19)**)

APT Members support ITU-R studies on the relevant Articles of Radio Regulations and their associated appendices to identify outdated aeronautical provisions, and the development of regulatory texts for updating these provisions, in accordance with Resolution **427 (WRC-19)**.

# Additional topics of WRC-23, identified at CPM23-1

**Additional Topic** Applicability of the limit specified in No. **21.5** of the Radio Regulations to IMT stations, that use an antenna that consists of an array of active elements (**WRC-19 Document 550**)

- One issue was some input documents were provided under WRC-23 agenda item 9.2. It was pointed out that agenda item 9.2 is strictly limited to the Report of the Director on any difficulties or inconsistencies encountered in the application of the Radio Regulations, and this agenda item can be discussed only when its draft Report is available.
- Another issue was regarding equal rights between terrestrial IMT and space services in relation to the studies on RR No. **21.5**. It was clarified that the equality of rights is more related to the co-primary allocation between two services rather than an individual provision of the Radio Regulations.
- Considering complexity of the studies on RR No. **21.5**, APT Members were encouraged to participate in the discussion of ITU-R WP 5D
- APT Members support the on-going ITU-R studies on the applicability of the limits specified in RR No. **21.5** to IMT stations using active antenna systems (AAS) and the verification of RR No. **21.5** regarding the notification of these IMT stations, in accordance with the scope mentioned in Document 550 of WRC-19 and the guidance provided by the Chairmen of ITU-R Study Group 4 and 5.
- APT Members are of the view that the ITU-R studies should address the matters being raised so far and prepare solutions which provide regulatory provisions/measures for the operation of terrestrial IMT and space services and their future development in a balanced and fair manner.

# Standing items on the WRC-23 Agenda

- **Agenda item 2** - Consider the new approved versions, if any, of the ITU-R Recommendation incorporated by reference in the RR (list in RR Vol.4, mandatory application) **Res. 27 (Rev.WRC-19)**
- **Agenda item 4** - Review of the W(A)RC Resolutions and Recommendations not related to other AIs (see RR Vol. 3), considering progress of ITU-R studies, implementation of previous WRC decisions, end of transitional measures, etc. **Res. 95 (Rev.WRC-19)**
- **Agenda item 7** - *consider possible changes, on advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution* **86 (Rev.WRC-07)**
- **Agenda item 8** - Consider requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required (see RR Article 5), towards more spectrum harmonization ► **Res. 26 (Rev.WRC-19)**
- **Agenda item 10** - WRC-27 Preliminary Agenda items see **Res. 812 (WRC-19)**

# Standing items on the WRC-23 Agenda

- **Agenda item 2** -Consider the new approved versions, if any, of the ITU-R Recommendation incorporated by reference in the RR (list in RR Vol.4, mandatory application) **Res. 27 (Rev.WRC-19)**
  - APT Members support the examination and review of ITU-R Recommendations incorporated by reference into the Radio Regulations and, where appropriate, the updating of these references in accordance with Resolution **27 (Rev.WRC-19)**.
  - APT Members are encouraged to participate and monitor the progress of the ITU-R studies in the relevant Working Parties, which may propose revisions of IBR Recommendations, with a view to develop the APT positions on this agenda item towards the WRC-23.

# Standing items on the WRC-23 Agenda

- **Agenda item 4** - Review of the W(A)RC Resolutions and Recommendations not related to other AIs (see RR Vol. 3), considering progress of ITU-R studies, implementation of previous WRC decisions, end of transitional measures, etc. **Res. 95 (Rev.WRC-19)**
  - APT Members support the principle and intent of Resolution **95 (Rev.WRC-19)**, to ensure Resolutions and Recommendations of past WRCs are relevant and kept up to date.
  - Since a number of the studies requested by the WRC Resolutions are now under consideration at the relevant groups in the ITU-R, APT members are encouraged to participate in these studies;
  - In reviewing the Resolutions/Recommendations listed in the Attachment 1;
    - the progress of the studies is important information for those Resolutions that include *"invites ITU-R"*,
    - or similarly, the progress of the implementation work of the ITU Radiocommunication Bureau (BR) is also important for those Resolutions that include *"instructs the Director of the Radiocommunication Bureau"*.

# Standing items on the WRC-23 Agenda

- **Agenda item 7** - *consider possible changes, on advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution **86 (Rev.WRC-07)***
- No views on APG 23-2 on the following topics, identified in WP4A:
  - **Topic A (NGSO Orbital tolerances)**: Compiled document (working document towards a preliminary draft new Report) was carried forward, with proper embedded qualification, as Annex to Chairman's Report for further discussion;
  - **Topic B (Post-milestone reporting)**: Compiled working document was carried forward, with proper embedded qualification, as Annex to Chairman's Report for further discussion;
  - **Topic C (7/8 & 20/30 GHz GSO MSS protection)**: Compiled document (Working document towards a preliminary draft new ITU-R report) was carried forward, with proper embedded qualification, as Annex to Chairman's Report for further discussion;
  - **Topic D (Mod to App 1 to Annex 4 of AP30B)**: Working document for draft CPM text was carried forward for further development; and
  - **Topic E (New Member States in AP30B)**: Working document was carried forward as Annex to Chairman's Report for further discussion.

# Standing items on the WRC-23 Agenda

- **Agenda item 8** - Consider requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required (see RR Article 5), towards more spectrum harmonization ► **Res. 26 (Rev.WRC-19)**



# Standing items on the WRC-23 Agenda

- **Agenda item 10** - WRC-27 Preliminary Agenda items see **Res. 812 (WRC-19)**
  - Due to lack of input contributions, DG 10 had no meeting session during APG23-2. The following observations were provided during the opening plenary of APG23-2 as well as the first session of WP5:
  - administrations and regional groups need sufficient time to examine proposed agenda items and would benefit from being advised, as early as possible, of what topics are proposed to be included in the agenda items of future WRCs (See also *resolves* 3 of **Resolution 804 (Rev. WRC-19)**).
  - taking into account the importance of agenda item 10 for future works in ITU-R, the WRC-23 Working Group responsible for future WRC agenda items should start its work from the beginning of the Conference and the Conference is invited to start its work at the beginning of the Conference and to establish a regional coordination group for agenda item 10 at the beginning of the Conference.
  - Some of agenda items of WRC-23 have ambiguities in the title of the agenda and/or in the relevant Resolution, therefore, the title of the future WRC agenda items and relevant WRC Resolutions as well as language used in the operative parts of those Resolutions should be aligned and clear to avoid unnecessary misunderstanding and misinterpretation.
  - In developing new WRC Agenda items, APT Members support the 'Principles for establishing agendas for WRCs' as detailed in Annex 1 to Resolution **804 (Rev.WRC-19)** and encourages the use of the *Template for the submission of proposals for agenda items* (Annex 2 of the Resolution).