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| **The 4th Meeting of the APT Conference Preparatory****Group for WRC-23 (APG23-4)** | **APG23-4/OUT-36** |
| 15 – 20 August 2022, Bangkok, Thailand | 20 August 2022 |

Working Party 5

**PRELIMINARY VIEWs on WRC-23 agenda item 4**

**Agenda item 4**

*in accordance with Resolution 95 (Rev.WRC-19), to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, replacement or abrogation;*

# Background

The review of the Resolutions and Recommendations of previous conferences is a standing agenda item. It is the purview of the conference to decide on the need for any modification or suppression of WRC Resolutions or Recommendations in accordance with Resolution **95 (Rev.WRC-19)**.

# Documents

## Input Documents:

APG23-4/INP-13(J), 18(AUS), 29(IRN), 44(CHN), 65(IND)

## Information Documents:

APG23-4/INF-02(ATU), 21(ASMG), 35(Rev.1) (BR), 43(DG Chair), 44(RCC), 48(CEPT)

# Summary of Discussions

## Summary of APT Members’ views

### Japan (APG23-4/INP-13)

Japan has updated the List in ATTACHMENT 1 to the output document of the third APG23 meeting (Doc.APG23-3/OUT-36). In reviewing the list, the following points need to be noted:

- In accordance with Resolution **95 (Rev. WRC-19),** consideration under agenda item 4 is focused only on those Resolutions/Recommendations that are not related to any other agenda item of WRC-23. (Those that are explicitly on or substantially considered under agenda items other than agenda item 4 is shaded in grey in the Table);

- The status of the ITU-R studies invited in the Resolutions, if there is any progress in the relevant ITU-R Working Parties, is provided in the “Remarks” column of the Table for consideration by the future APG meetings;

- For many Resolutions & Recommendations, old comments made in the APT proposal to the previous WRC are still retained in the “Remark” column for information;

- The column for “New proposed action” (NOC/MOD/SUP) are still preliminary and open for further consideration for most Resolutions & Recommendations.

### Australia (APG23-4/INP-18)

Australia supports the principle of Resolution **95 (Rev.WRC-19)**, to ensure Resolutions and Recommendations of past WRCs are relevant and kept up to date. Australia’s positions on specific proposals will be developed as these proposals arise during the cycle.

### Iran (Islamic Republic of) (APG23-4/INP-29)

The Administration of the I.R. Iran proposes that the following view be adopted as APT Preliminary Views at this stage:

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*”.

### China (APG23-4/INP-44)

China supports the review of the Resolutions and Recommendations of previous conferences and proposes the action based on APG23-3/TMP-04 as the attachment shows.

### India (APG23-4/INP-65)

India supports the principle and intent of Resolution **95 (Rev.WRC-19)** to ensure Resolutions and Recommendations of previous WRCs are relevant and kept up to date.

# APT Preliminary View

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*”.

# Issues for Consideration at Next APG Meeting

APG23-5 will review the Resolutions and Recommendations listed in Attachment 1, taking into account the progress of the studies at the ITU-R and the progress of the implementation work of the ITU Radiocommunication Bureau (BR). Additionally, the BR has created the website for categorization of all the W(A)RC Resolutions and Recommendations in force after WRC-19[[1]](#footnote-1), which may be useful for our future discussion on agenda item 4.

Furthermore**,** when proposing modification of a resolution in the future APG meetings, APT Members are encouraged to provide specific regulatory text reflecting the proposed modification along with the reason in order to facilitate the development of a PACP on this agenda item in a timely manner.

# Views from Other Organisations

## Regional Groups

### ATU (APG23-4/INF-02)

APM23-2 agreed to support the principle and intent of Resolution **95 (Rev.WRC-19**), to ensure Resolutions and Recommendations of past WRCs remain relevant and up to date.

### ASMG (APG23-4/INF-21)

ASMG administrations support the principle of Resolution **95 (Rev.WRC-19)** in order to ensure that Resolutions and Recommendations of previous WRCs remain relevant and up-to-date.

### CEPT(APG23-4/INF-48)

CEPT encourages the constant review of Resolutions and Recommendations from previous conferences and will follow activities, in particular of ITU, associated with this effort.

* CEPT proposes to suppress Resolutions: RES **75 (Rev.WRC-12),** RES **160 (WRC-15),** RES **161(WRC-15),** to be developed;
* CEPT proposes to modify Resolutions: RES **76 (WRC-15),** RES **81 (WRC-15)**, RES **99 (WRC-19)**, RES **731 (Rev.WRC-19),** RES **804 (Rev.WRC-19)**, to be developed;
* CEPT proposes to suppress Recommendations: to be developed;
* CEPT proposes to modify Recommendations: REC **34 (Rev. WRC-12)**, to be developed

### RCC(APG23-4/INF-44)

The RCC Administrations support the principles set out in Resolution **95 (Revised WRC-19)**, in order to ensure the relevance of the Resolutions and Recommendations of the previous WRC.

## International Organisations

### ICAO[[2]](#footnote-2)

ICAO is considering possible modification/suppression on the following Resolutions.

* MOD: 1**56, 169**
* SUP: **160, 422**
* MOD/SUP: **223**

### IMO[[3]](#footnote-3)

IMO has studied the Resolutions and Recommendations of relevance and proposed to retain the following Resolutions and Recommendations.

* Resolutions: **13, 18, 205, 207, 222, 223, 331, 339, 343, 344, 349, 352, 354, 356, 361, 363, 612**
* Recommendations: **7, 37, 316**

**Attachment: 1**

**Attachment 1**

**List of** **WRC Resolutions & Recommendations for consideration by WRC-23 under agenda item 4**

Note: Resolutions in grey shaded rows indicate those explicitly on the current and future agenda items as specified in Resolution **811 (WRC-19)** and Resolution **812 (WRC-19)**.

| **Res.**  | **Subject** | **Remarks** | **APT WRC-19 proposal** | **Action taken by WRC-19** | **New APT proposed action** |
| --- | --- | --- | --- | --- | --- |
| **Resolutions** |
| 1 | Notification of frequency assignments | (Rev.WRC-97) Still relevant. This Resolution is referred to in No. 26/5.2of Appendix **26**.The necessity of footnote 1 associated with the title may need to be considered. | NOC | NOC | NOC/MOD |
| 2 | Equitable use of GSO and other satellite orbits and frequency bands for space services | (Rev.WRC-03) Still relevant. This Resolution is referred to in Resolutions **4 (Rev.WRC-03), 170 (WRC-19), 172 (WRC-19) and 173 (WRC-19).** | NOC | NOC | NOC |
| 4 | Period of validity of frequency assignments to GSO and other satellite orbits  | (Rev.WRC-03) Still relevant. This Resolution is referred to in Item A.2.b of Table A, Annex 2 of Appendix 4. | NOC | NOC | NOC |
| 5 | Technical cooperation with the developing countries in the tropical and similar areas | (Rev.WRC-15) Still relevant.  | NOC | NOC | NOC |
| 7 | Development of national radio-frequency management | (Rev.WRC-19) Still relevant.  | NOC/MOD | MOD |  |
| 10 | Use of two-way wireless communications by the International Red Cross and Red Crescent Movement | (Rev.WRC-2000) Still relevant. This Resolution relates to Resolution **646 (Rev.WRC-19).** | NOC | NOC | NOC |
| 12 | Assistance and support to Palestine | (Rev.WRC‑19) Still relevant. Basically this Resolution is specific to Palestine. | N/A | MOD |  |
| 13 | Formation of call signs and allocation of new international series | (Rev.WRC-97) Still relevant. This Resolution is referred to in No. **19.32**. | NOC | NOC |  |
| 15 | International cooperation in space radiocommunications | (Rev.WRC-03) Still relevant. implemented through liaison with ITU‑D Study Groups and BR/BDT seminars/workshops. | NOC | NOC | NOC |
| 18 | Relating to the procedure for identifying and announcing the position of ships and aircraft of States not parties to an armed conflict | (Rev.WRC-15) Still relevant. Modification to reflect current aeronautical practice may be needed. | NOC/MOD | NOC |  |
| 20 | Technical cooperation with developing countries in the field of aeronautical telecommunications | (Rev.WRC-03) Still relevant. This Resolution is referred to in Recommendation **724 (Rev.WRC-07**). | NOC | NOC | NOC |
| 22 | Measures to limit unauthorized uplink transmissions from earth stations | (WRC-19) Still relevant. | － | ADD | NOC |
| 25 | Operation of global satellite systems for personnel communications | (Rev.WRC-03) Still relevant. This Resolution is referred to in Resolution **156 (WRC-15**).The reference to “Constitution (Geneva, 1992)” in considering a) may be updated to the new version. | NOC | NOC | NOC/MOD |
| 26 | Footnotes to the Table of frequency allocations in Article 5 of the RR | (Rev.WRC-19) Still relevant to **agenda item 8** (permanent agenda item at each WRC). This Resolution is referred to in Recommendation **34** (Rev.WRC-12). | MOD | MOD |  |
| 27 | Use of incorporation by reference in the RR  | (Rev.WRC-19) Still relevant to **agenda item 2** (permanent agenda item at each WRC). This Resolution is referred to in Nos. **21.2.2** and **21.4.1**. | MOD | MOD |  |
| 32 | Regulatory procedures for frequency assignments to non-GSO-satellite networks or systems identified as short-duration mission not subject to the application of Section II of Article 9 | (WRC-19) Still relevant.This Resolution is referred to in No. **5.203C, 5.218A, A.9.4, 9.3.1, A.11.2** and Appendix **4**.For this Resolution, a new RoP has been developed to clarify the relationship between the notification information timing to be communicated to the BR under this Resolution (section 4 the of Annex) and the formal date of receipt of the notification notices under No.**9.1**. The text may be reviewed to take into account this point.   | － | ADD | NOC/MOD |
| 34 | BSS in Region 3 in the 12 GHz band and sharing with other services in all the Regions | (Rev.WRC-19) Still relevant. The text was editorially updated at the WRC-19. | MOD | MOD  |  |
| 35 | A milestone-based approach for the implementation of frequency assignments to space stations in a non-GSO-satellite system in specific frequency bands and services | (WRC-19) Still relevant. NOCThis Resolution is referred to in No. **11.51** and Item A.23 in Table A of Appendix **4**. Possible post-milestone procedures will be discussed under **Agenda Item 7** at WRC-23, also taking into account the report from the RRB. | － | ADD | NOC/MOD |
| 40 | Use of one space station to bring frequency assignments to GSO-satellite networks at different orbital locations into use within a short period of time | (Rev.WRC-19) Still relevant. This Resolution is referred to in Nos. **11.44B** and **11.49**.1 and Appendices **30, 30A** and **30B**.WP4A is discussing whether the change of this Resolution should be treated as **Agenda Item 7** of WRC-23, but has not agreed to make a new topic on this matter.  | MOD | MOD | NOC/MOD |
| 42 | Interim systems in Region 2 in BSS and in FSS (feeder link) in AP30/30A bands | (Rev.WRC-19) Still relevant, but basically Region 2 issue. This Resolution is referred to in Nos. **A.9.3** and **A.11.1** and Appendices **30** and **30A**. | N/A | MOD |  |
| 49 | Administrative due diligence applicable to some satellite radiocommunication services | (Rev.WRC-19) Still relevant. This Resolution is referred to in Nos. **11.44.1** and **11.48**, Articles **9** and **11**, Resolutions **55 (Rev.WRC-19)** and **81 (Rev.WRC-15)** and Appendices **30, 30A** and **30B**. | MOD | MOD | NOC/MOD |
| 55 | Electronic submission of notice forms for satellite networks, earth stations and RAS stations | (Rev.WRC-19) Still relevant. For this Resolution, the content may be transferred to relevant parts of Articles **9** and **11** (as well as AP **30, 30A** and **30B**) or merger with Resolution **907** with a similar scope may be considered. | NOC/SUP | MOD | NOC/SUP |
| 63 | Protection from ISM equipment | (Rev.WRC-12) Still relevant. There has been progress in the ITU-R studies invited in this Resolution including collaboration with CISPR. CPM Report in preparation for WRC-19 suggested that *invites ITU‑R*1 and 2 may need to be updated in view of the recent developments between ITU-R Study Group 1 and CISPR. | NOC/MOD | NOC |  |
| 72 | World and regional preparations for WRC | (Rev.WRC-19) Still relevant. The text was updated at the WRC-19. | MOD | MOD |  |
| 74 | Process to keep the technical bases of Appendix **7** current | (Rev.WRC-03) Still relevant. This Resolution is referred to in Resolution **75** (Rev.WRC-12). Recommendation ITU-R SM.1448 providing technical bases for coordination areas was reviewed for alignment with Appendix **7**. | NOC/MOD | NOC |  |
| 75 | Development of the technical basis for determining the coordination area of a receiving earth station in SRS with HDFS in the 31.8-32.3 and 37-38 GHz bands | (Rev.WRC-12) This Resolution is referred to in No.**5.547**. Currently, there is no progress in the ITU-R studies invited in this Resolution. It may be suggested to apply item 2 of resolves of Resolution **95 (Rev. WRC-19)**. Since the scope of this Resolution is closely related to Resolution 74, the study identified in this Resolution may be, if required, included in Resolution **74** in generic form. | NOC/SUP | NOC |  |
| 76 | Protection of GSO systems (FSS and BSS) from aggregate epfd produced by non‑GSO FSS in the bands 10.7-20.2 GHz | (Rev.WRC-15) Still relevant. This Resolution is referred to in No. 22.5K and Resolution **140 (Rev.WRC-15**). Recommendation ITU-R S.1503 was revised in 2018. On this basis, invites ITU‑R needs to be updated taking into account Recommendations ITU‑R S.1588 and ITU‑R S.1503 in force. The ITU-R studies invited in this Resolution are making progress at WP4A and modification of this Resolution is considered under Topic J of **agenda item 7**. | MOD | NOC |  |
| 80 | Due diligence in applying the principles embodied in the Constitution | (Rev.WRC-07) Still relevant to **agenda item 9.3** (permanent agenda item at each WRC). | － | NOC |  |
| 81 | Evaluation of the administrative due diligence procedure for satellite networks | (Rev.WRC-15) So-called “paper satellite” issue has been already solved and Resolution **49 (Rev.WRC-15**), in which this issue is implemented, has served its purpose (see also ITU R Circular Letter CR/301). Superseded by Resolution **49**, no action is indicated in the Resolution. Possibility of suppression of this Resolution needs to be considered. | NOC/SUP | NOC | MOD/SUP |
| 85 | Protection of GSO systems (FSS and BSS) from non-GSO FSS systems | (WRC-03) Still relevant. Recommendation ITU R S.1503 was revised in 2018. Since the epfd validation software has become available through the Circular Letter (CR/414, 6 December 2016), in view of resolves 5, modification is needed in this regard. This issue was considered at WRC-19 but no agreement was made and it was decided to keep it NOC. | MOD | NOC | NOC/MOD |
| 86 | Implementation of Res. **86** **(Rev. PP-02**) | (Rev.WRC-07) Still relevant to **agenda item 7** (permanent agenda item at each WRC). This Resolution is referred to in Resolution **769 (WRC-19)** and **770 (WRC-19).** | MOD | NOC |  |
| 95 | Review of WRC Resolution/Recommendation | (Rev.WRC-19) Still relevant to **agenda item 4** (permanent agenda item at each WRC). | MOD | MOD |  |
| 99 | Provisional application of certain provisions of the RR as revised by the WRC-19 and abrogation of certain Resolutions and Recommendations | (Rev.WRC-19) Still relevant. Updating is required at the next WRC. | SUP/MOD | MOD | MOD |
| 111 | Planning of the FSS in18/20/30 GHz | (Orb-88) Still relevant. | NOC | NOC | NOC |
| 114 | Compatibility between ARNS and FSS (feeder links for non GSO MSS) in 5 GHz band | (Rev.WRC-15) Still relevant. This Resolution is referred to in Nos. **5.444** and **5.444A** and Resolution **748 (Rev.WRC-19)**. | NOC | NOC |  |
| 122 | Use of the bands 47/48 GHz by HAPS and other services | (Rev.WRC-19) Still relevant. This Resolution is referred to in Resolution **176 (WRC-19**), No. **5.552A** and Appendix **4.** | － | MOD | NOC |
| 125 | Frequency sharing in the 1.6 GHz bands between the MSS and the RAS | (Rev.WRC-12) Still relevant. Future competent WRC to review the ongoing sharing studies between the MSS and RAS, but currently no progress is made in the ITU-R studies invited in this Resolution. | NOC | NOC | NOC |
| 140 | Epfd limits in the 19.7-20.2 GHz band | (Rev.WRC-15) Still relevant. This Resolution is referred to in No. **22.5CA**. This Resolution has relevance to Resolution **85 (WRC-15)**. | NOC/MOD | NOC | NOC/MOD |
| 143 | Guidelines for implementation of HDFSS in identified frequency bands | (Rev.WRC-19) Still relevant. This Resolution is referred to in No **5.516B** and Resolution **243 (WRC-19).** | NOC | MOD | NOC |
| 144 | Special requirements of geographically small countries operating earth stations in the FSS in the band 13.75-14 GHz | (Rev.WRC-15) Still relevant.  | NOC | NOC | NOC |
| 145 | Use of the bands 27.5-28.35 GHz and 31-31.3 GHz by HAPS in the fixed service | (Rev.WRC-19) Still relevant. The text was updated at the WRC-19. This Resolution is referred to in No **5.537A**. | － | MOD |  |
| 147 | PFD limits for certain systems in FSS using highly-inclined orbits in the band 17.7-19.7 GHz | (WRC-07) Still relevant. This Resolution is referred to in No. **21.16.6B** and **6C**. | NOC | NOC | NOC |
| 148 | Satellite systems formerly listed in Part B of the Plan of Appendix **30B** | (Rev.WRC-15) Still relevant. This Resolution is referred to in Appendix 30B. | NOC | NOC | NOC |
| 149 | Submissions from new Member States of the Union relating to Appendix **30B**  | (Rev.WRC-12) Still relevant. This topic will be discussed under Topic E of **Agenda Item 7** at WRC-23. | NOC | NOC |  |
| 150 | Use of the bands 6 440-6 520 MHz and 6 560-6 640 MHz by gateway links for HAPS | (WRC-12) Still relevant. This Resolution is referred to in No. **5.457**. | NOC | NOC |  |
| 154 | Existing and future operation of FSS earth stations within the band 3 400-4 200 MHz | (Rev.WRC-15) APT members are of the view that this Resolution is restricted to some countries in Region 1 and APT Members do not support any aspects of this issue being applied to Region 3. | N/A | NOC | NOC |
| 155 | Regulatory provisions related to earth stations on board unmanned aircraft which operate with GSO satellite networks in the FSS in certain frequency bands not subject to a Plan of Appendices 30, 30A and 30B for the control and non-payload communications of unmanned aircraft systems in non-segregated airspaces | (Rev.WRC-19) Still relevant. The text was updated at the WRC-19. This Resolution is referred to in No. **5.484B** as well as Resolution **171 (WRC-19)**, and has direct relevance to WRC-23 **agenda item 1.8.** | － | MOD |  |
| 156 | Use of the frequency bands 19.7-20.2 GHz and 29.5‑30.0 GHz by earth stations in motion communicating with geostationary space stations in the FSS | (WRC-15) Still relevant. This Resolution is referred to in No.**5.527A**. － | － | NOC | NOC |
| 160 | Facilitating access to broadband applications delivered by HAPS | (WRC-15) According to the paragraph “*resolves to invite the 2019 World Radiocommunication Conference*”, this Resolution may be suppressed, given that the next WRC agrees to completion of the ITU-R studies. | SUP | NOC | MOD/SUP |
| 161 | Studies relating to spectrum needs and possible allocation of the frequency band 37.5-39.5 GHz to the FSS | (WRC-15) As a result of consideration of WRC-19 (**agenda item 10**), this resolution was kept without any change. However, it is no longer part of agenda item for WRC-23. In this regard, it may be appropriate to update the reference to WRC-23 in this resolution or consider suppression. | NOC | NOC | MOD/SUP |
| 163 | Deployment of earth stations in some Regions 1 and 2 countries in the frequency band 14.5-14.75 GHz in the FSS (Earth-to-space) not for feeder links for the BSS | (WRC-15) Still relevant, but basically other Regions 1 and 2 issue. This Resolution is referred to in Nos. **5.509B, 5.509C, 5.509D, 5.509E, 5.509F, 5.510** and **22.40** and Appendices **4** and **30A**. | N/A | NOC |  |
| 164 | Deployment of earth stations in some Region 3 countries in the frequency band 14.5-14.8 GHz in the FSS (Earth-to-space) not for feeder links for the BSS  | (WRC-15) Still relevant. This Resolution is referred to in Nos. **5.509B, 5.509C, 5.509D, 5.509E, 5.509F, 5.510** and **22.40** and Appendices **4** and **30A**. Recommendation ITU-R S.2112-0 for guidelines to conduct bilateral coordination for explicit agreements in this band was developed. | NOC | NOC |  |
| 165 | Use of the frequency band 21.4-22 GHz by HAPS in the FS in Region 2 | (WRC-19) Still relevant. This Resolution is referred to in No. **5.530E**. | － | ADD | NOC |
| 166 | Use of the frequency band 24.25-27.5 GHz by HAPS in the FS in Region 2 | (WRC-19) Still relevant. This Resolution is referred to in Nos. **5.532AA** and **5.534A**. | － | ADD | NOC |
| 167 | Use of the frequency band 31-31.3 GHz by HAPS in the FS | (WRC-19) Still relevant. This Resolution is referred to in No. **5.543B**. | － | ADD | NOC |
| 168 | Use of the frequency band 38-39.5 GHz by HAPS in the FS | (WRC-19) Still relevant. This Resolution is referred to in No. **5.550D**. | － | ADD |  |
| 169 | Use of the frequency bands 17.7-19.7 GHz and 27.5-29.5 GHz by earth stations in motion communicating with GSO space stations in the FSS | (WRC-19) Still relevant. This Resolution is referred to in Resolutions **172 (WRC-19**) and **173 (WRC-19).**The methodology for examining characteristics of aeronautical ESIM by BR is being reviewed technically at WP4A in reference to thecriteria specified in ANNEX 3. | － | ADD | NOC/MOD |
| 170 | Additional measures for satellite networks in the FSS in frequency bands subject to Appendix 30B for the enhancement of equitable access to these frequency bands | (WRC-19) Still relevant. This Resolution is referred to in Resolution **172 (WRC-19).**This topic will be discussed under **Agenda Item 7** at WRC-23 | － | ADD | NOC/MOD |
| 171 | Review and possible revision of Resolution 155 (Rev.WRC-19) and No. 5.484B in the frequency bands to which they apply | (WRC-19) For consideration by WRC-23 (**agenda item 1.8**). | － | ADD |  |
| 172 | Operation of earth stations on aircraft and vessels communicating with geostationary space stations in the FSS in the frequency band 12.75-13.25 GHz (Earth-to-space) | (WRC-19) For consideration by WRC-23 (**agenda item 1.15**). | － | ADD |  |
| 173 | Use of 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) by earth stations in motion communicating with non-geostationary space stations in the FSS | (WRC-19) For consideration by WRC-23 (**agenda item 1.16**). | － | ADD |  |
| 174 | Primary allocation to the FSS in the space-to-Earth direction in the frequency band 17.3-17.7 GHz in Region 2 | (WRC-19) For consideration by WRC-23 (**agenda item 1.19**). | － | ADD |  |
| 175 | Use of IMT systems for fixed wireless broadband in the frequency bands allocated to the FS on a primary basis | (WRC-19) For consideration by WRC-23 (**agenda item 9.1-c**). | － | ADD |  |
| 176 | Use of the frequency bands 37.5-39.5 GHz (space-to-Earth), 40.5-42.5 GHz (space-to-Earth), 47.2-50.2 GHz (Earth-to-space) and 50.4-51.4 GHz (Earth-to-space) by aeronautical and maritime earth stations in motion communicating with geostationary space stations in the FSS | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.2** for WRC-27. Therefore, it may be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 177 | Studies relating to spectrum needs and possible allocation of the frequency band 43.5-45.5 GHz to the FSS | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.3** for WRC-27. Therefore, it may be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 178 | Studies of technical and operational issues and regulatory provisions for non-GSO FSS satellite system feeder links in the frequency bands 71-76 GHz (space-to-Earth and proposed new Earth-to-space) and 81-86 GHz (Earth-to-space) | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.7** for WRC-27. Therefore, it may be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 205 | Protection of the MSS in the band 406-406.1 MHz | (Rev.WRC-19) Still relevant. This Resolution is referred to in No. **5.265** and Resolutions **646 (Rev.WRC-19**). | NOC | MOD | NOC |
| 207 | Measures to address unauthorized use of frequencies in the band allocated to the MMS/AMIS | (Rev.WRC-15) Still relevant.  | NOC | NOC |  |
| 212 | Implementation of IMT in the bands 1.8-2.2 GHz | (Rev.WRC-19) Still relevant. | － | MOD |  |
| 215 | Coordination among MSS in the band 1-3 GHz | (Rev.WRC-12) Still relevant. The ITU-R study invited in this Resolution is still under way. | NOC | NOC | NOC |
| 217 | Wind profiler radars | (WRC-97) Still relevant. This Resolution is referred to in Nos. **5.162A** and **5.291A**. | NOC | NOC |  |
| 221 | HAPS for IMT in the bands around 2 GHz | (Rev.WRC-07) This Resolution is referred to in No. **5.388A** and Resolution **247 (WRC-19)** and has some relevance to WRC-23 **agenda item 1.4.** | NOC | NOC | NOC/MOD |
| 222 | Use of the frequency bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz by the MSS, and procedures to ensure long-term spectrum access for the AMSS I  | (Rev.WRC-12) Still relevant. This Resolution is referred to in Nos. **5.353A** and **5.357A**.  | NOC | NOC | NOC |
| 223 | Additional bands identified for IMT | (Rev.WRC-19) Still relevant. For consideration by WRC-23 (**agenda item 1.1**). This Resolution is referred to in Nos. **5.341A, 5.341B, 5.341C, 5.346, 5.346A, 5.384A, 5.388, 5.429B, 5.429D, 5.429F, 5.441A** and **5.441B** and Resolution **903 (Rev.WRC-19).**For this Resolution, “*resolves* 1 & 2” and “*invites ITU-R* 1” are outside the scope of **agenda item 1.1**, and, thereby, these parts are considered under **agenda item 4**. | NOC/MOD | MOD |  |
| 224 | Frequency bands for the terrestrial component of IMT below 1 GHz. | (Rev.WRC-19) Still relevant. This Resolution is referred to in Nos. **5.286AA, 5.295, 5.308A, 5.312A, 5.316B** and **5.317A** and Resolutions **251(WRC-19),749 (Rev.WRC-19)** and **760 (WRC-19).**  | NOC/MOD | MOD |  |
| 225 | Use of additional bands for the satellite component of IMT | (Rev.WRC-12) Still relevant. This Resolution is referred to in No. **5.351A**. The ITU-R studies invited in this Resolution, i.e. the sharing studies between the MSS and terrestrial IMT in the 2655-2690MHz band are making progress. The ITU-R studies invited in this Resolution, i.e. the sharing studies are ongoing. | NOC | NOC | NOC/MOD |
| 229 | Use of bands 5 150-5 250 MHz, 5 250-5 350 MHz and 5 470-5 725 MHz for WAS including RLAN | (Rev.WRC-19) Still relevant. The text was updated at the WRC-19. This Resolution is referred to in **Nos. 5.446A, 5.447** and **5.453**. | － | MOD |  |
| 235 | Review of the spectrum use of the frequency band 470‑960 MHz in Region 1 | (WRC-15) For consideration by WRC-23 (**agenda item 1.5**).  | NOC | NOC |  |
| 240 | Spectrum harmonization for railway radiocommunication systems between train and trackside within the existing mobile-service allocations | (WRC-19) Still relevant. The ITU-R studies invited in this Resolution are making progress. | － | ADD | NOC/MOD |
| 241 | Use of the frequency band 66-71 GHz for IMT and coexistence with other applications of the mobile service | (WRC-19) Still relevant. This Resolution is referred to in **No.5.559AA**.The ITU-R studies invited in this Resolution are making progress. | － | ADD | NOC/MOD |
| 242 | Terrestrial component of IMT in the frequency band 24.25-27.5 GHz | (WRC-19) Still relevant. This Resolution is referred to in Nos. **5.532AB, 5.536A** and **5.536B**.The ITU-R studies invited in this Resolution are making progress, and one of the studies (*invites ITU-R* 2) has been completed, producing Recommendation ITU-R SA.2142. | － | ADD | MOD |
| 243 | Terrestrial component of IMT in the frequency band 37-43.5 GHz and 47.2-48.2 GHz | (WRC-19) Still relevant. This Resolution is referred to in Nos**. 5.550B** and **5.553B.**The ITU-R studies invited in this Resolution are making progress, and one of the studies (*invites ITU-R* 3) has been completed, producing Recommendation ITU-R SA.2142.  | － | ADD | MOD |
| 244 | IMT in the frequency band 45.5-47 GHz | (WRC-19) Still relevant. This Resolution is referred to in No.**5.553A**.The ITU-R studies invited in this Resolution are making progress. | － | ADD | NOC/MOD |
| 245 | Studies on frequency-related matters for the terrestrial component of IMT identification in the frequency bands 3 300-3 400 MHz, 3 600-3 800 MHz, 6 425-7 025 MHz, 7 025-7 125 MHz and 10.0-10.5 GHz | (WRC-19) For consideration by WRC-23 (**agenda item 1.2**). | － | ADD |  |
| 246 | Studies to consider possible allocation of the frequency band 3 600-3 800 MHz to the mobile, except aeronautical mobile, service on a primary basis within Region 1 | (WRC-19) For consideration by WRC-23 (**agenda item 1.3**). | － | ADD |  |
| 247 | Facilitating mobile connectivity in certain frequency bands below 2.7 GHz using HAPS as IMT base stations | (WRC-19) For consideration by WRC-23 (**agenda item 1.4**). | － | ADD |  |
| 248 | Studies relating to spectrum needs and potential new allocations to the MSS in the frequency bands 1 695-1 710 MHz, 2 010-2 025 MHz, 3 300-3 315 MHz and 3 385-3 400 MHz for future development of narrowband mobile-satellite systems | (WRC-19) For consideration by WRC-23 (**agenda item 1.18**). This Resolution is referred to in the **preliminary agenda item 2.13** for WRC-27. Therefore, it may be considered also by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 249 | Study of technical and operational issues and regulatory provisions for space-to-space transmissions in the Earth-to-space direction in the frequency bands [1 610-1 645.5 and 1 646.5-1 660.5 MHz] and the space-to-Earth direction in the frequency bands [1 525-1 544 MHz], [1 545-1 559 MHz], [1 613.8-1 626.5 MHz] and [2 483.5-2 500 MHz] among non-GSO and GSO satellites operating in the MSS | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.8** for WRC-27. Therefore, it may be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 250 | Studies on possible allocations to the LMS (excluding IMT) in the frequency band 1 300-1 350 MHz for use by administrations for the future development of terrestrial mobile-service applications | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.9** for WRC-27. Therefore, it may be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 251 | Removal of the limitation regarding aeronautical mobile in the frequency range 694-960 MHz for the use of IMT user equipment by non-safety applications | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.12** for WRC-27. Therefore, it may be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 331 | Operation of the GMDSS | (Rev.WRC‑12) Still relevant. Modification may be required regarding the status of the referenced IALA which would become “International Organization” from “International Association”.  | NOC | NOC | MOD |
| 339 | Coordination of NAVTEX | (Rev.WRC‑07) Still relevant. This Resolution is referred to in No. **5.79A** and Appendix **15 (Rev.WRC-19**). | NOC | NOC | NOC |
| 343 | Certificates for vessels using GMDSS equipment on a non-compulsory basis | (Rev.WRC‑12) Still relevant. This Resolution is referred to in Nos. **47.27A** and **48.7**. | NOC | NOC | NOC |
| 344 | Management of maritime identity numbering resource | (Rev.WRC‑19) Still relevant.  | NOC/MOD | MOD | NOC |
| 349 | Procedures for cancelling false alerts in GMDSS | (Rev.WRC‑19) Still relevant. This Resolution is referred to in No. **32.10A**. | NOC/MOD | MOD | NOC |
| 352 | Use of the carrier frequencies 12 290 kHz and 16 420 kHz for safety-related calling to and from resource coordination centres | (WRC‑03) Still relevant. This Resolution is referred to in No. **52.221A** and Appendix **17**.The *noting* part may require updating. | NOC | NOC | MOD |
| 354 | Distress and safety radiotelephony procedures for 2 182 kHz | (WRC‑07) Still relevant. This Resolution is referred to in Nos. **52.101** and **52.189.** | NOC | NOC | NOC |
| 356 | ITU maritime service information registration | (Rev.WRC‑19) Still relevant. The ITU-R consultation invited in this Resolution is still under way; a constant process at WP 5B and in IMO.Modification may be required regarding the status of the referenced IALA which would become “International Organization” from “International Association”. | NOC/MOD | MOD | MOD |
| 361 | Consideration of regulatory provisions for modernization of GMDSS and related to the implementation of e‑navigation |  (Rev.WRC-19) For consideration by WRC-23 (**agenda item 1.11**). | MOD | MOD |  |
| 363 | Considerations to improve utilization of the VHF maritime frequencies in Appendix 18 | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.10** for WRC-27. Therefore, it may be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 405 | Frequencies for AM(R)S | (Rev. WRC-97) Still relevant; ongoing activities in ICAO. | NOC | NOC |  |
| 413 | Use of the band 108-117.975 MHz by AM (R)S | (Rev.WRC-12) Still relevant. This Resolution is referred to in No. **5.197A** and Resolution **428(WRC-19).** | NOC | NOC |  |
| 416 | Use of the bands 4 400-4 940 MHz and 5 925-6 700 MHz by an aeronautical mobile telemetry application in the mobile service | (WRC-07) Still relevant. This Resolution is referred to in Nos. **5.440A, 5.442** and **5.457C**. | NOC | NOC | NOC |
| 417 | Use of the band 960-1 164 MHz by AM (R)S  | (Rev.WRC-15) Still relevant. This Resolution is referred to in No. **5.327A**. | NOC | NOC |  |
| 418 | Use of the band 5 091-5 250 MHz by the aeronautical mobile service for telemetry applications | (Rev.WRC-19) Still relevant. This Resolution is referred to in Nos. **5.444B** and **5.446C**. | NOC/MOD | MOD |  |
| 422 | Methodology to calculate AMS (R) S spectrum requirements within the 1.5/1.6 GHz bands  | (WRC-12) This Resolution is referred to in Resolution **222 (Rev.WRC-12).** Implemented following the approval of Recommendation ITU-R M.2091. Therefore, suppression of this Resolution is considered. | SUP | NOC | NOC/SUP |
| 424 | Use of Wireless Avionics Intra-Communications in the frequency band 4 200-4 400 MHz | (WRC-15) Still relevant. This Resolution is referred to in No. **5.436**. | NOC | NOC |  |
| 425 | Use of the frequency band 1 087.7-1 092.3 MHz by the AMSS (R) service (Earth-to-space) to facilitate global flight tracking for civil aviation | (Rev.WRC-19) Still relevant. This Resolution is referred to in No.**5.328AA**. | NOC/MOD | MOD | NOC |
| 427 | Updating provisions related to aeronautical services in the RR | (WRC-19) Still relevant. This Resolution is considered by WP2 of APG-23 possibly under **agenda item 9.** | － | ADD |  |
| 428 | Studies on a possible new allocation to the AMSS (R) within the frequency band 117.975-137 MHz in order to support aeronautical VHF communications in the Earth-to-space and space-to-Earth directions | (WRC-19) For consideration by WRC-23 (**agenda item 1.7**). | － | ADD |  |
| 429 | Consideration of regulatory provisions for updating Appendix 27 of the RR in support of aeronautical HF modernization | (WRC-19) For consideration by WRC-23 (**agenda item 1.9**). | － | ADD |  |
| 430 | Studies on frequency-related matters, including possible additional allocations, for the possible introduction of new non-safety aeronautical mobile applications | (WRC-19) For consideration by WRC-23 (**agenda item 1.10**). | － | ADD |  |
| 506 | Use of the 12 GHz bands by GSO BSS only | (Rev.WRC-97) Still relevant. | NOC | NOC |  |
| 507 | Agreements/Plans for BSS | (Rev.WRC-19) Still relevant. This Resolution is referred to in No. **11.37.2** and Appendix **30** and Resolution **553(Rev.WRC-15)** | MOD | MOD |  |
| 517 | Introduction of digital modulations in the HFBC | (Rev.WRC-19) Still relevant. This Resolution is referred to in No. **5.134**, Appendix **11**, Resolutions **543 (Rev.WRC-19)** and **550 (Rev.WRC-19)** and Recommendation **503 (Rev.WRC-19).** | NOC | MOD |  |
| 526 | Additional provisions for use for the BSS bands for HDTV | (Rev.WRC-12) The scope of this Resolution is only for Region 2. | N/A | NOC |  |
| 528 | Introduction of BSS (sound) in 1-3 GHz | (Rev.WRC-19) Still relevant. This Resolution is referred to in Nos. **5.345, 5.393** and **5.418** and Resolution **539 (Rev.WRC-19).** | NOC/MOD | MOD |  |
| 535 | Information for application of Article 12 | (Rev.WRC-19) Still relevant. | MOD | MOD |  |
| 536 | BSS satellites serving other countries | (WRC-97) Still relevant. | NOC | NOC |  |
| 539 | Use of the band 2 630-2 655 MHz for non-GSO BSS in certain Region 3 countries | (Rev.WRC-19) Still relevant to certain Region 3 countries. This Resolution is referred to in No. **5.418**, Appendix **5** and Resolution **903 (Rev.WRC-19).** | NOC | MOD |  |
| 543 | Provisional RF protection ratios for analogue and digital emissions in HFBC | (Rev.WRC-19) Still relevant. This Resolution is referred to in 1.1 and 2.5 of Part C of Appendix **11** and Resolutions **517 (Rev.WRC-19)** and **535 (Rev.WRC-19).** | MOD | MOD |  |
| 548 | Application of the grouping concept in AP30/30A in Regions 1 and 3 | (Rev.WRC-12) Still relevant.  | NOC | NOC | NOC |
| 550 | Information relating to the HFBC | (Rev.WRC-19) Still relevant. | NOC/MOD | MOD |  |
| 552 | Long-term access to and development in the band 21.4-22 GHz in Regions 1 and 3 | (Rev.WRC-19) Still relevant. This Resolution is referred to in Nos. **11.44.1** and **11.48.1** and Articles **9** and **11** and Resolution **553(Rev.WRC-15).** | MOD | MOD |  |
| 553 | Additional regulatory measures for BSS networks in the band 21.4-22 GHz in Regions 1 and 3  | (Rev.WRC-15) Still relevant. This Resolution is referred to in Article **9** and Resolution **170 (Rev.WRC-19)**. Paragraphs 8 and 9 of the Attachment to this resolution need to be updated because the submission of advance publication information is no longer required.Modification of this Resolution is considered under Topic K of **agenda item 7**. | MOD | NOC |  |
| 554 | Application of pfd masks to coordination under No. 9.7 for BSS networks in the band 21.4-22 GHz in Regions 1 and 3 | (WRC-12) Still relevant. This Resolution is referred to in Article **11 (A.11.7).** The content may need to be moved to RR Appendix **5**. | NOC/SUP | NOC |  |
| 558 | Protection of implemented BSS networks in the orbital arc of the GSO between 37.2° W and 10° E in the frequency band 11.7-12.2 GHz | (WRC-19) Still relevant.  | － | ADD |  |
| 559 | Additional temporary regulatory measures following the deletion of part of Annex 7 to Appendix 30 (Rev.WRC-15) by WRC-19 | (WRC-19) Still relevant. | － | ADD |  |
| 608 | Use of 1 215-1 300 MHz band by systems in the RNSS (space-to-Earth) | (Rev.WRC-19) Still relevant. This Resolution is referred to in No. **5.329**.  | NOC | MOD | NOC |
| 609 | Protection of ARNS from the epfd produced by RNSS networks and systems in the 1 164-1 215 MHz band | (Rev.WRC-07) Still relevant. This Resolution is referred to in Nos. **5.328A** and **21.18** and Recommendation **608 (Rev.WRC-07).** | NOC | NOC | NOC |
| 610 | Coordination of RNSS networks and systems in the bands 1 164-1 300 MHz, 1 559-1 610 MHz and 5 010-5 030 MHz | (Rev.WRC-19) Still relevant. This Resolution is referred to in No. **5.328B**. | NOC/MOD | MOD | NOC |
| 612 | Use of RLS between 3 and 50 MHz to support oceanographic radar operations | (Rev.WRC-12) Still relevant. This Resolution is referred to in Nos. **5.132A, 5.145A** and **5.161A** and Appendix **4**. | NOC | NOC |  |
| 642 | Earth stations in the amateur-satellite service | (WARC-79) Still relevant.  | SUP | NOC |  |
| 646 | Public protection and disaster relief | (Rev.WRC‑19) Still relevant. This Resolution is referred to in Resolutions **224 (Rev.WRC-19)** and **647 (Rev.WRC-19)** and Recommendation **206 (Rev.WRC-19).** | MOD | MOD |  |
| 647 | Radiocommunication aspects including spectrum management guidelines for emergency and disaster relief operations  | (Rev.WRC‑19) Still relevant. | MOD | MOD |  |
| 655 | Definition of time scale and dissemination of time signals via radiocommunication systems | (WRC-15) In APG, treatment of this Resolution is being considered by WP3 under a separate subject.This Resolution is referred to in No. **1.14**. The ITU-R studies invited in this Resolution are making progress. WRC-23 will consider these study results including the treatment of Recommendation ITU-R TF-406-6 incorporated by reference in the RR. | NOC | NOC |  |
| 656 | Possible secondary allocation to the EESS (active) for spaceborne radar sounders in the range of frequencies around 45 MHz | (Rev.WRC-19) For consideration by WRC-23 (**agenda item 1.12**). | NOC | MOD |  |
| 657 | Spectrum needs and protection of space weather sensors | (Rev.WRC-19) For consideration by WRC-23 (**agenda item 9.1-a**). This Resolution is referred to in the **preliminary agenda item 2.6** for WRC-27. Therefore, it may also be considered by WRC-23 in relation to **agenda item 10**. | NOC | MOD |  |
| 660 | Use of the frequency band 137-138 MHz by non-GSO satellites with short-duration missions in the space operation service | (WRC-19) Still relevant. This Resolution is referred to in No.**5.203C**. |  | ADD | NOC |
| 661 | Examination of a possible upgrade to primary status of the secondary allocation to the space research service in the frequency band 14.8-15.35 GHz | (WRC-19) For consideration by WRC-23 (**agenda item 1.13**). | － | ADD |  |
| 662 | Review of frequency allocations for the EESS (passive) in the frequency range 231.5-252 GHz and consideration of possible adjustment according to observation requirements of passive microwave sensors | (WRC-19) For consideration by WRC-23 (**agenda item 1.14**). | － | ADD |  |
| 663 | New allocations for the RLS in the frequency band 231.5-275 GHz, and a new identification for RLS applications in frequency bands in the frequency range 275-700 GHz | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.1** for WRC-27. Therefore, it may also be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 664 | Use of the frequency band 22.55-23.15 GHz by the EESS (Earth-to-space) | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.11** for WRC-27. Therefore, it may also be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 673 | The importance of Earth observation radiocommunication applications | (Rev.WRC‑12) Still relevant. This Resolution is referred to in No. **29A.1.** | NOC | NOC | NOC |
| 703 | Calculation methods and interference criteria recommended by ITU-R for sharing frequency bands  | (Rev.WRC‑07) Still relevant. This Resolution is referred to in Resolutions **34 (Rev.WRC-19)** and **528 (Rev.WRC-19).** | NOC | NOC |  |
| 705 | Protection of services in 70-130 kHz | (Rev.WRC‑15) Still relevant. | NOC | NOC |  |
| 716 | Use of bands around 2 GHz by FS and MSS | (Rev.WRC‑12) Still relevant. This Resolution is referred to in Nos. **5.389A** and **5.389C**.  | NOC | NOC | NOC |
| 729 | Use of adaptive systems in the MF/HF bands | (Rev.WRC‑07) Still relevant. This Resolution is referred to in Appendix **4**. | NOC | NOC | NOC |
| 731 | Sharing and adjacent-band compatibility between passive and active services above 71 GHz | (Rev.WRC‑19) Still relevant. This Resolution is referred to in Resolution **776 (WRC-19).** The studies invited in this resolution are ongoing at WP1A, WP5C, WP7C and WP7D. | MOD | MOD | NOC |
| 732 | Sharing between active services above 71 GHz | (Rev.WRC‑12) Still relevant.  | NOC | NOC | NOC |
| 739 | Compatibility between RAS and active space services | (Rev.WRC‑19) Still relevant. This Resolution is referred to in No. **5.208B** and Resolution **776 (WRC-19).** | MOD | MOD | NOC/MOD |
| 741 | Protection of RAS in the band 4 990-5 000 MHz from emissions of RNSS in the band 5010-5030 MHz | (Rev.WRC‑15) Still relevant. This Resolution is referred to in No. **5.443B** and Appendices **4** and **30**. | NOC | NOC | NOC |
| 743 | Protection of single-dish RAS stations in Region 2 in the band 42.5-43.5 GHz | (WRC‑03) Still relevant, but basically Region 2 issue. This Resolution is referred to in Nos. **5.551H** and **5.551I.** | N/A | NOC |  |
| 744 | Sharing between MSS (Earth-to-space) and FS/MS in the band 1 668.4-1 675 MHz | (Rev.WRC‑07) Still relevant. This Resolution is referred to in No. **5.379D**. | NOC | NOC | NOC |
| 748 | Compatibility between AM(R)S and FSS (Earth-to-space) in the band 5 091-5 150 MHz | (Rev.WRC‑19) Still relevant. This Resolution is referred to in No. **5.444B** and Resolution **418 (Rev.WRC-19).** | MOD | MOD |  |
| 749 | Use of the band 790-862 MHz in countries in Region 1 and Islamic Republic of Iran by mobile applications and by other services | (Rev.WRC‑19) Still relevant. This Resolution is referred to in Nos. **5.316B** and **5.317A** and Resolution **251 (WRC-19).** | NOC | MOD |  |
| 750 | Compatibility between EESS (passive) and relevant active services | (Rev.WRC‑19) Still relevant. This Resolution is referred to in NO.**5.338A**, Resolutions **161 (WRC-15), 176 (WRC-19), 178 (WRC-19), 242 (WRC-19), 773 (WRC-19), 775 (WRC-19)** and **776 (WRC-19).** | MOD | MOD |  |
| 751 | Use of the frequency band 10.6-10.68 GHz | (WRC‑07) Still relevant. This Resolution is referred to in No. **5.482A**. | NOC | NOC | NOC |
| 752 | Use of the frequency band 36-37 GHz | (WRC‑07) Still relevant. This Resolution is referred to in No. **5.550A**. | NOC | NOC | NOC |
| 759 | Technical studies on the coexistence of the radiolocation service and the amateur, amateur-satellite and RAS in the frequency band 76-81 GHz | (WRC-15) Still relevant.The ITU-R study invited in this Resolution has not made progress. | NOC | NOC | NOC |
| 760 | Provisions relating to the use of the frequency band 694‑790 MHz in Region 1  | (Rev.WRC-19) Still relevant, but basically Region 1 issue. This Resolution is referred to in Nos. **5.312A** and **5.317A** and Resolution **251 (WRC-19).** | N/A | MOD |  |
| 761 | Compatibility of IMT and BSS (sound) in the frequency band 1 452‑1 492 MHz in Regions 1 and 3 | (Rev.WRC-19) Still relevant. | － | MOD | NOC |
| 762 | PFD criteria under No. 11.32A for FSS and BSS networks in the 6/10/11/12/14 GHz bands  | (WRC-15) Still relevant. This Resolution is referred to in No. **11.32A.2.**  | NOC | NOC | NOC |
| 768 | Need for coordination of Region 2 FSS networks in the frequency band 11.7-12.2 GHz with respect to the Region 1 BSS assignments located further west than 37.2° W and of Region 1 FSS networks in the frequency band 12.5-12.7 GHz with respect to the Region 2 BSS assignments located further east than 54° W | (WRC-19) Still relevant. | － | ADD |  |
| 769 | Protection of GSO FSS, BSS and MSS networks from the aggregate interference produced by multiple non-GSO FSS systems in the frequency bands 37.5-39.5 GHz, 39.5-42.5 GHz, 47.2-50.2 GHz and 50.4-51.4 GHz | (WRC-19) Still relevant. This Resolution is referred to in No. **22.5M** and Resolution **770 (WRC-19).** WP4A is conducting a follow-on study to determine methods on how to implement and apply criteria and conditions defined in this resolution | － | ADD | NOC/MOD |
| 770 | Application of Article 22 of the RR to the protection of GSO FSS and BSS networks from non-GSO FSS systems in the frequency bands 37.5-39.5 GHz, 39.5-42.5 GHz, 47.2-50.2 GHz and 50.4-51.4 GHz | (WRC-19) Still relevant. This Resolution is referred to in Nos. **5.550C**, **22.5L, 22.5M** and Resolution **769 (WRC-19).** WP4A is conducting a follow-on study including the revisions of the relevant ITU-R Recommendations as well as review of the texts in Annexes 1 and 2 (including associated Appendices) of this Resolution. Modification of this Resolution is considered under Topic G of **agenda item 7**. | － | ADD |  |
| 771 | Use of the frequency bands 37.5-42.5 GHz (space-to-Earth) and 47.2-48.9 GHz, 48.9-50.2 GHz and 50.4-51.4 GHz (Earth-to-space) by non-GSO satellite systems in the FSS and 39.5-40.5 GHz (space-to-Earth) by non-GSO satellite systems in the MSS | (WRC-19) Still relevant. | － | ADD | NOC |
| 772 | Consideration of regulatory provisions to facilitate the introduction of sub-orbital vehicles | (WRC-19) For consideration by WRC-23 (**agenda item 1.6**). | － | ADD |  |
| 773 | Study of technical and operational issues and regulatory provisions for satellite-to-satellite links in the frequency bands 11.7-12.7 GHz, 18.1-18.6 GHz, 18.8-20.2 GHz and 27.5-30 GHz | (WRC-19) For consideration by WRC-23 (**agenda item 1.17**). | － | ADD |  |
| 774 | Studies on technical and operational measures to be applied in the frequency band 1 240-1 300 MHz to ensure the protection of the RNSS (space-to-Earth) | (WRC-19) For consideration by WRC-23 (**agenda item 9.1-b**). | － | ADD |  |
| 775 | Sharing between stations in the fixed service and satellite services in the frequency bands 71-76 GHz and 81-86 GHz | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.4** for WRC-27. Therefore, it may also be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 776 | Conditions for the use of the frequency bands 71-76 GHz and 81-86 GHz by stations in the satellite services to ensure compatibility with passive services | (WRC-19) This Resolution is referred to in the **preliminary agenda item 2.5** for WRC-27. Therefore, it may also be considered by WRC-23 in relation to **agenda item 10**. | － | ADD |  |
| 804 | Principles for establishing agendas for world radiocommunication conferences | (Rev.WRC‑19) Still relevant. This Resolution may be considered under agenda item **10**. | MOD | MOD |  |
| 811 | Agenda for the WRC-23 | (WRC-19) To be suppressed at WRC-23. | － | ADD | SUP |
| 812 | Preliminary agenda for the WRC-27 | (WRC-19) For consideration by WRC-23 (**agenda item 10**) | － | ADD |  |
| 901 | Determination of the orbital arc separation | (Rev.WRC‑15) Still relevant. This Resolution is referred to in Table 5-1 of Appendix **5**. WRC-19 decided that the coordination arc concept would apply to MSS in Ka band. Updating “further noting” may be desirable. | NOC/MOD | NOC | NOC/MOD |
| 902 | Provisions relating to ESV in FSS networks in 5 925-6 425 MHz and 14-14.5 GHz | (WRC‑03) Still relevant. This Resolution is referred to in Nos. **5.457A, 5.457B, 5.506A** and **5.506B** and Recommendation **37 (WRC-03).** | NOC | NOC | NOC |
| 903 | Transitional measures for certain BSS/FSS systems in the band 2 500-2 690 MHz | (Rev.WRC‑19) Still relevant. This Resolution is referred to in No. **21.16.3A**.  | NOC | MOD |  |
| 904 | Transitional measures for coordination between MSS (Earth-to-space) and SRS (passive) in the band 1 668-1 668.4 MHz for a specific case | (WRC‑07) Still relevant. This Resolution is referred to in No. **5.379B**. It should be noted that the concerned space station was notified and recorded in the MIFR. | NOC/SUP | NOC | NOC |
| 906 | Electronic submission of notices for terrestrial services to the BR  | (Rev.WRC‑15) Still relevant.  | NOC | NOC |  |
| 907 | Use of modern electronic means of communication for administrative correspondence related to satellite networks, earth stations and RAS stations | (Rev.WRC‑15) Still relevant. BR is taking actions to implement this Resolution. Merger with Resolution 55 may be considered. | － | NOC | NOC/MOD |
| 908 | Electronic submission and publication of satellite network filing | (Rev.WRC‑15) Still relevant. BR is taking actions to implement this Resolution. | － | NOC | NOC/MOD |

| **Rec.**  | **Subject** | **Remarks**  | **APT WRC-19 proposal** | **Action taken by WRC-19** | **New proposed action** |
| --- | --- | --- | --- | --- | --- |
| **Recommendations** |
| 7 | Standard license forms for ship/ship-earth stations and aircraft/aircraft-earth stations | (Rev.WRC-97) Still relevant. | NOC | NOC | NOC |
| 8 | Automatic identification of stations | (WARC-79) Still relevant. | NOC | NOC | NOC |
| 9 | Operation of broadcasting stations on board ships/aircraft | (WARC-79) Still relevant. | NOC | NOC |  |
| 16 | Interference management for stations under more than one terrestrial radiocommunication service | (Rev.WRC-19) Still relevant. | NOC/MOD | MOD |  |
| 34 | Principles for allocation of frequency bands | (Rev.WRC-12) Still relevant. This Recommendation is referred to in Resolution **160 (WRC-15)** Resolution **26** is referenced in *recognizing* part of this Recommendation and revision year of the Resolutions needs to be updated. | NOC | NOC | MOD |
| 36 | International monitoring of emissions from space stations | (Rev.WRC-19) Still relevant. | NOC | MOD | NOC |
| 37 | Operational procedures for ESV | (WRC-03) Still relevant. This Recommendation is referred to in Resolution **902 (WRC-03)** | NOC | NOC | NOC |
| 63 | Calculation of necessary bandwidth | (Rev.WRC-19) Still relevant.  | NOC | MOD |  |
| 71 | Type approval of radio equipment | (WARC-79) Still relevant. | NOC | NOC |  |
| 75 | Study of boundary between the out-of-band and spurious domains of primary radars using magnetrons | (Rev.WRC-15) Still relevant.  | NOC | NOC |  |
| 76 | Deployment and use of cognitive radio systems | (WRC-12) Still relevant.  | NOC/MOD | NOC |  |
| 100 | Preferred bands for tropospheric scatter | (Rev.WRC-03) Still relevant. | NOC | NOC |  |
| 206 | Use of integrated MSS and ground component systems in some frequency bands identified for the satellite component of IMT | (Rev.WRC-19) Still relevant.  | NOC | MOD | NOC |
| 207 | Future IMT systems | (Rev.WRC-15) Still relevant.  | NOC/MOD | MOD |  |
| 208 | Harmonization of frequency bands for evolving Intelligent Transport Systems applications under mobile-service allocations | (WRC-19) Still relevant. | － | ADD |  |
| 316 | Use of ship earth stations within harbours | (Rev.WRC-19) Some aspects still relevant. | MOD/SUP | MOD | NOC |
| 401 | Use of aeronautical mobile worldwide frequencies | (WARC-79) Some aspects still relevant. | NOC | NOC |  |
| 503 | HFBC | (Rev.WRC-19) Still relevant. | MOD | MOD |  |
| 506 | Harmonics in broadcasting-satellite stations | (WARC-79) Still relevant. | NOC | NOC | NOC |
| 520 | Elimination of out-of-band HFBC emissions | (WARC-92) Still relevant. | SUP/NOC | NOC |  |
| 522 | Coordination of HFBC schedules in the bands between 5 900 kHz and 26 100 kHz | (WRC-97) Still relevant. | NOC | NOC |  |
| 608 | Guidelines for consultation meetings established in Resolution **609 (Rev.WRC-07)** | (Rev.WRC-07) Still relevant. This Recommendation is referred to in Resolution **609 (Rev. WRC-07)** | NOC | NOC | NOC |
| 622 | Sharing of bands 2 025-2 110 MHz and 2 200-2 290 MHz by the SRS, SOS, EESS, FS and MS | (WRC-97) Still relevant.  | NOC | NOC | NOC |
| 707 | Sharing between the inter-satellite service and RNS in the band 32-33 GHz | (WARC-79) Still relevant. This Recommendation is referred to in No. **5.548.** | NOC | NOC | NOC |
| 724 | Use by civil aviation of frequency allocations on a primary basis to FSS | (WRC-07) Still relevant. | NOC | NOC |  |

1. <https://www.itu.int/en/ITU-R/study-groups/Pages/Categorization-WRC-Resolutions.aspx>

<https://www.itu.int/en/ITU-R/study-groups/Pages/Categorization-WRC-Recommendations.aspx> [↑](#footnote-ref-1)
2. WRC-23-IRW-21/17 <https://www.itu.int/md/R19-WSHWRC23-C-0017/en> (December 2021) [↑](#footnote-ref-2)
3. WRC-23-IRW-21/15 <https://www.itu.int/md/R19-WSHWRC23-C-0015/en> (December 2021) [↑](#footnote-ref-3)