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| CPG19-5 | | |
| Budapest, Hungary, 08th - 11th January 2018 | | |
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| Date issued: | 11th January 2018 | |
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| Subject: | Draft CEPT Brief on WRC-19 Agenda Item 4 | |
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| Summary: | | |
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| Proposal: | | |
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DRAFT CEPT BRIEF ON AGENDA ITEM 4

4 in accordance with Resolution 95 (Rev.WRC‑07), to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation;

# ISSUE

Resolution 95 (Rev.WRC-07) resolves to invite future competent world radiocommunication conferences

1. to review the Resolutions and Recommendations of previous conferences that are related to the agenda of the Conference with a view to their possible revision, replacement or abrogation and to take appropriate action;
2. to review the Resolutions and Recommendations of previous conferences that are not related to any agenda item of the Conference with a view to:

abrogating those Resolutions and Recommendations that have served their purpose or have become no longer necessary;

reviewing the need for those Resolutions and Recommendations, or parts thereof, requesting ITU-R studies on which no progress has been made during the last two periods between conferences;

updating and modifying Resolutions and Recommendations, or parts thereof that have become out of date, and to correct obvious omissions, inconsistencies, ambiguities or editorial errors and effect any necessary alignment;

# Preliminary CEPT position

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 Resolution TBD

CEPT proposes to modify Resolution TBD

CEPT proposes to suppress Recommendation TBD

CEPT proposes to modify Recommendation TBD

# Background

The review of Resolutions and Recommendations of previous conferences (Volume 3 of the Radio Regulations Geneva 2016) is a standing agenda item. Therefore, conferences shall conclude on whether there is a need for any modification or suppression of their Resolutions or Recommendations. The table in Annex 1 is intended to summarize the possible course of actions to be taken in response of the concerned Resolution or Recommendation.

Furthermore, a reference is made to the relevant WRC agenda item for those Resolutions and Recommendations which are covered by the agenda of WRC-19. This reference is made in the last column of the table combined with an identification of the responsible and concerned CPG Project Team or ECC Working Group. Furthermore, the relevant lines are proposed to be highlighted in light grey. The possible course of action for WRC Resolutions and Recommendations will be proposed gradually by responsible Project Teams. The European proposal on Resolutions and Recommendations, which will be modified or suppressed, will be developed subsequently by responsible Project Teams.

# List of relevant documents

ITU-Documentation (Recommendations, Reports, other)

* Radio Regulations, Edition of 2016, Vol. 3 Resolutions and Recommendations

CEPT and/or ECC Documentation (Decisions, Recommendations, Reports)

EU Documentation (Directives, Decisions, Recommendations, other), if applicable

# Actions to be taken

Administrations and Project Teams are encouraged to study the table in Annex 1 in detail and to provide contributions with comments to CPG PTA including proposals on a possible course of action on the Resolutions and Recommendations relevant to their work.

# Relevant information from outside CEPT (examples of these are below)

## European Union (date of proposal)

## Regional telecommunication organisations

APT (21 July 2017)

APT Members support modification or suppression as appropriate of WRC Resolutions and Recommendations APT has developed its preliminary views regarding WRC Resolutions a Recommendations contained in Volume 3 of the Radio Regulations in accordance with Resolution 95 (Rev.WRC-07).

ATU (September 2017)

Draft positions are being developed

Arab Group (10 May 2017)

Draft positions are being developed

CITEL (21 Aug 2017)

To be determined

RCC (14 April 2017)

Draft positions are being developed

## International organisations

IATA (date of proposal)

ICAO (15 May 2017)

ICAO recommends

„no change“ for Resolutions 20, 26, 27, 28, 63, 76, 95, 114, 140, 154, 205, 207, 217, 222, 225, 339, 354, 356, 361, 405, 413, 417, 418, 424, 609, 610, 612, 729, 748 and 762 and for Recommendations 7, 9, 71, 401 and 608,

“deletion” of Resolution 422 (work completed),

"modification" of Resolution 18 in order to reflect current aeronautical practice and Recommendation 75 in order to reflect current radar design,

"modification as necessary to reflect the results of completed studies" of Resolutions 155, 425, 608 and 705,

“modification as necessary” of Resolutions 157 (subject to AI 9.1.3), 360 (subject to AI 1.9.2) and 763 (subject to AI 9.1.4),

“modification or suppression as necessary” based on the results of studies carried out

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| under WRC-19 AI | 1.7 | 1.10 | 1.14 | 1.16 |
| of Resolutions | 659 | 426 | 160 | 239 |

IMO (26 August 2016)

IMO preliminary position to AI 4:

IMO proposes to retain Resolutions 13, 18, 205, 207, 222, 331, 339, 343 (in order to ensure common operations between Convention and non-Convention ships), 344, 349, 352, 354, 356 and 612.

Conclusions of WRC-15 adopted under appropriate AI will govern status of Resolutions 359 (subject to AI 1.8), 360 (subject to AI 1.9.2), 361 (subject to AI 10) and 362 (subject to AI 1.9.1).

IMO also proposes to retain Recommendations 7, 37 and 316.

SFCG (date of proposal)

WMO and EUMETNET (date of proposal)

## Regional organisations

ESA (date of proposal)

Eurocontrol (date of proposal)

## OTHER INTERNATIONAL AND REGIONAL ORGANISATIONS

EBU (date of proposal)

GSMA (date of proposal)

CRAF (date of proposal)

1. **Review of Resolutions and Recommendations in response to Resolution 95 (Rev.WRC-07)**

| Resolution | | CEPT proposed for WRC-15 | | WRC-15 result | Comments | Proposed course of action (CoA) at WRC-19 | WRC-19 Agenda Item/ PT |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CoA | ECP |
| RES 1 | (Rev.WRC-97)     Notification of frequency assignments | NOC |  | NOC | Res. is referred to in No. 26/5.2 of App. 26.  Still relevant. | NOC | PT A |
| RES 2 | (Rev.WRC-03)     Equitable use, by all countries, with equal rights, of the geostationary-satellite and other satellite orbits and of frequency bands for space radiocommunication services | NOC |  | NOC | PTB4: the traditional CEPT position on this Resolution at each WRC is “NOC” because CEPT does not support reopening discussions on the topic addressed by these Resolutions. But it may be required to support another course of action as “NOC” if other regional organisations propose changes that would be contrary to the CEPT views. Therefore, at this stage, CPG PTB suggests to leave blank the proposed course of action. |  | PT B |
| RES 4 | (Rev.WRC-03)     Period of validity of frequency assignments to space stations using the geostationary-satellite and other satellite orbits | NOC |  | NOC | This Resolution is referred to in Item A.2.b of Table A, Annex 2 of App. 4.  PTB4: the traditional CEPT position on this Resolution at each WRC is “NOC” because CEPT does not support reopening discussions on the topic addressed by these Resolutions. But it may be required to support another course of action as “NOC” if other regional organisations propose changes that would be contrary to the CEPT views. Therefore, at this stage, CPG PTB suggests to leave blank the proposed course of action. |  | PT B |
| RES 5 | (Rev.WRC-15)     Technical cooperation with the developing countries in the study of propagation in tropical and similar areas | NOC MOD not objected |  | MOD |  | NOC  MOD not objected | PT A |
| RES 7 | (Rev.WRC-03)     Development of national radio frequency management | NOC MOD not objected |  | NOC |  | NOC | PT A |
| RES 10 | (Rev.WRC-2000)    Use of two-way wireless telecommunications by the International Red Cross and Red Crescent Movement | NOC |  | NOC | Relation to Res 646 (Rev.WRC-15). | NOC | PT A |
| RES 12 | (Rev.WRC-15) Assistance and support to Palestine | NOC MOD not objected |  | MOD | Further instructs the Director of the BR to bring a report to the attention of WRC-19. | NOC  MOD not objected | PT A |
| RES 13 | (Rev.WRC-97)    Formation of call signs and allocation of new international series | NOC |  | NOC | This Resolution is referred to in No. 19.32.  IMO proposes to retain this Resolution. | NOC | PT C |
| RES 15 | (Rev.WRC-03)    International cooperation and technical assistance in the field of space radiocommunications | NOC |  | NOC | PTB4 suggests the same course of action as for WRC-15 | NOC | PT B |
| RES 18 | (Rev.WRC-15)    Relating to the procedure for identifying and announcing the position of ships and aircraft of States not parties to an armed conflict | MOD | MOD | MOD | ICAO recommends modification of this Resolution in order to reflect current aeronautical practice. Recommended modification should be addressed under WRC-19 AI 1.10 (GADSS).  IMO proposes to retain this Resolution. | MOD | PT C |
| RES 20 | (Rev.WRC-03)    Technical cooperation with developing countries in the field of aeronautical telecommunications | NOC |  | NOC | ICAO recommends NOC for this Resolution. | NOC | PT C |
| RES 25 | (Rev.WRC‑03)    Operation of global satellite systems for personal communications | NOC |  | NOC | PTB4 suggests the same course of action as for WRC-15 | NOC | PT B |
| RES 26 | (Rev.WRC-07)    Footnotes to the Table of Frequency Allocations in Article 5 of the Radio Regulations | NOC  (AI 8) |  | NOC | This Resolution is referred to in Recommendation 34 (Rev. WRC-12).  ICAO recommends NOC for this Resolution. | NOC | AI 8  PT A |
| RES 27 | (Rev.WRC-12)    Use of incorporation by reference in the Radio Regulations | NOC  (AI 2) |  | NOC | ICAO recommends NOC for this Resolution. | NOC | AI 2 PT A |
|  | ANNEX 1     Principles of incorporation by reference |  | | | Reference (paragraph 6.) to Resolution 28 (Rev.WRC-03) should be updated to Rev.WRC-15. |  |  |
|  | ANNEX 2     Application of incorporation by reference |  | | |  |  |  |
|  | ANNEX 3     Procedures applicable by WRC for approving the incorporation by reference of  ITU-R Recommendations or parts thereof |  | | |  |  |  |
| RES 28 | (Rev.WRC-15)    Revision of references to the text of ITU‑R Recommendations incorporated by reference in the Radio Regulations | MOD  (AI 2) | MOD | MOD | Linked with Resolution 27.  ICAO recommends NOC for this Resolution. | NOC | AI 2 PT A |
| RES 31 | (WRC‑15)    Transitional measures for the elimination of advance publication filings by administrations for frequency assignments to satellite networks and systems subject to Section II of Article 9 |  |  | ADD | This Resolution is referred to in No. 59.14.  As transitional measures entered into force on 1 January 2017, this Resolutions seems to be implemented, thus may be proposed for abrogation.  PTB4: as noted by CPG PTA, this Resolution is now implemented and not required any longer, the proposed course of action should therefore be SUP. | SUP | PT B |
| RES 33 | (Rev.WRC‑15)    Bringing into use of space stations in the broadcasting-satellite service, prior to the entry into force of agreements and associated plans for the broadcasting-satellite service | SUP | SUP | MOD | This Resolution is referred to in No. 5.396 (reference Rev.WRC-97 should be updated to Rev.WRC-15).  This Resolution is linked with Resolutions 507 (Rev.WRC-15) and 703 (Rev.WRC-07).  Consideration, if still exist systems for which references to provisions of "historical" Radio Regulations 1990 in Sections B and C shall be retained, is desirable in view of possible simplification of Radio Regulations.  PTB4: information received by CPG PTB during the last study cycle from the ITU Radiocommunication Bureau (BR) indicates that this Resolution is not required any longer for the work of the BR. Based on the conclusion of the CPM15-2 report, an ECP proposing to suppress this Resolution was submitted to WRC-15. CPG PTB suggests that the proposed course of action be SUP. | SUP | PT B |
| RES 34 | (Rev.WRC‑15)    Establishment of the broadcasting-satellite service in Region 3 in the 12.5-12.75 GHz frequency band and sharing with space and terrestrial services in Regions 1, 2 and 3 | NOC |  | MOD | Recognising refers to RES 507.  This Resolution is linked with Resolutions 33 (Rev.WRC-15), 507 (Rev.WRC-15) and 703 (Rev.WRC-07).  PTB4: CEPT has proposed in WRC-07 and WRC-12 to suppress this Resolution but was unable to convince other regional groups. At WRC-15, CEPT adopted NOC as a course of action. CPG PTB suggests that the proposed course of action also be NOC for WRC-19, unless there are signs from other regional groups that they are willing to suppress this Resolution. | NOC | PT B |
| RES 40 | (WRC‑15)    Use of one space station to bring frequency assignments to geostationary-satellite networks at different orbital locations into use within a short period of time |  |  | ADD | This Resolution is referred to in No. 11.44B and 11.49.1.  This Resolution is also referred to in Article 5 of App. 30, in Article 5 of App. 30A and Article 8 of App. 30B.  PTB4: this Resolution has been adopted by WRC-15 in response to agenda item 7. Time is needed to assess its effectiveness. CPG PTB proposes that CEPT adopts NOC as a course of action for this Resolution. | NOC | PT B |
| RES 42 | (Rev.WRC-15)    Use of interim systems in Region 2 in the broadcasting-satellite and fixed-satellite (feeder-link) services in Region 2 for the bands covered by Appendices 30 and 30A | NOC |  | MOD | This Resolution is linked with Resolution 33 (Rev.WRC-15),  This Resolution is referred to in Nos. A.9.3 d) and A.11.1 d).  This Resolution is also referred to in Articles 5 and 10 of App. 30.  This Resolution is also referred to in Articles 3, 4, 5 and 9 of App. 30A.  PTB4: this Resolution is still relevant so the same course of action as for WRC-15 (i.e. “NOC”) is proposed for WRC-19. | NOC | PT B |
|  | ANNEX |  | | |  |  |  |
| RES 49 | (Rev.WRC-15)    Administrative due diligence applicable to some satellite radiocommunication services | (AI 7) |  | MOD | This Resolution is linked with Resolution 33 (Rev.WRC-15),  This Resolution is referred to in Nos. A.9.4, A.11.2, 11.44.1 and 11.48. This Resolution is also referred to in Articles 4, 11 and in Annex 1 (part 6) of App. 30. This Resolution is also referred to in Article 4 of App. 30A.This Resolution is also referred to in No. 6.31bis, Article 6 of App. 30B.  PTB4: as indicated by CPG PTA, this Resolution constitutes a topic that is usually discussed at each WRC under agenda item 7. The final CEPT position regarding this Resolution will be determined through the work of this agenda item. |  | AI 7  PT B |
|  | ANNEX 1 |  | | |  |  |  |
|  | ANNEX 2 |  | | |  |  |  |
| RES 55 | (Rev.WRC-15)    Electronic submission of notice forms for satellite networks, earth stations and radio astronomy stations | NOC May accept editorial MOD |  | MOD | This Resolution is linked with Resolution 49 (Rev.WRC-15),  PTB4: this Resolution is the regulatory basis for the use of electronic methods by the BR therefore its content remains relevant. CPG PTB proposes NOC for the course of action related to this Resolution. | NOC | PT B |
| RES 63 | (Rev.WRC‑12)    Protection of radiocommunication services against interference caused by radiation from industrial, scientific and medical (ISM) equipment | NOC |  | NOC | ICAO recommends NOC for this Resolution.  To consider outcomes from ongoing studies mentioned in invites 2 ITU-R | NOC/MOD | PT A |
| RES 72 | (Rev.WRC-07)    World and Regional preparations for world radiocommunication conferences | NOC |  | NOC |  | NOC | PT A |
| RES 74 | (Rev.WRC-03)    Process to keep the technical bases of Appendix 7 current | NOC |  | NOC | PTB4 suggests the same course of action as for WRC-15 | NOC | PT B |
| RES 75 | (Rev.WRC-12)    Development of the technical basis for determining the coordination area for coordination of a receiving earth station in the space research service (deep space) with transmitting stations of high-density applications in the fixed service in the 31.8-32.3 GHz and 37-38 GHz bands | NOC |  | NOC | This Resolution is linked with Resolution 74 (Rev.WRC-03).  Resolves invited ITU-R as matter of urgency to develop certain coordination measures.Is there any progress? Will be taken care of by study group 7 | NOC | PT A |
| RES 76 | (Rev.WRC-15)    Protection of geostationary fixed-satellite service and geostationary broadcasting-satellite service networks from the maximum aggregate equivalent power flux‑density produced by multiple non‑geostationary fixed-satellite service systems in frequency bands where equivalent power flux-density limits have been adopted | NOC May accept editorial MOD |  | MOD | This Resolution is referred to in No. 22.5K reference should be updated to (Rev.WRC-15). BR Report on results of studies requested.  ICAO recommends NOC for this Resolution.  PTB4: the Resolution is still relevant but may require some updates as noted by CPG PTA. The proposed course of action is therefore NOC/MOD. | NOC/MOD | PT B |
|  | ANNEX 1 |  | | |  |  |  |
| RES 80 | (Rev.WRC-07)    Due diligence in applying the principles embodied in the Constitution | (AI 9.3) |  | NOC | PTB4: as indicated by CPG PTA, this Resolution is related to WRC-19 agenda item 9.3. The final CEPT position regarding this Resolution will be determined through the work of this agenda item. |  | AI 9.3 PT B |
|  | ANNEX 1 |  | | |  |  |  |
|  | ANNEX 2 |  | | |  |  |  |
| RES 81 | (Rev.WRC-15)    Evaluation of the administrative due diligence procedure for satellite networks | (AI 7) |  | MOD | Resolution 51 was abrogated by WRC-15.  Reference to Resolution 49 (WRC-97) should be updated (Rev.WRC-15).  PTB4: this Resolution is somewhat linked to Resolution 49 and its possible evolutions under WRC-19 agenda item 7. The final CEPT position regarding this Resolution will be determined through the work of this agenda item. |  | AI 7 PT B |
| RES 85 | (WRC‑03)    Application of Article 22 of the Radio Regulations to the protection of geostationary fixed-satellite service and broadcasting-satellite service networks from non-geostationary fixed-satellite service systems | NOC |  | NOC | PTB4: a first version of the epfd validation software has been released by the BR but work is currently on-going within ITU-R Working Party 4A to develop enhanced specifications for this software, whose absence triggered the need for this Resolution. The final CEPT position will depend on the outcome of this work. CPG PTB will monitor its progress and inform CPG PTA. At this stage, CPG PTB suggests the proposed course of action to be left blank. |  | PT B |
| RES 86 | (WRC‑07)    Implementation of Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference | (AI 7) |  | NOC | PTB4 suggests the same course of action as for WRC-15 | NOC | AI 7 PT B |
| RES 95 | (Rev.WRC-07)    General review of the Resolutions and Recommendations of world administrative radio conferences and world radiocommunication conferences | NOC |  | NOC | ICAO recommends NOC for this Resolution. | NOC | AI 4 PT A |
| RES 99 | (WRC‑15)    Provisional application of certain provisions of the Radio Regulations as revised by the 2015 World Radiocommunication Conference and abrogation of certain Resolutions and Recommendations |  |  | ADD | This Resolution is referred to in No. 59.14.  This Resolution should be suppressed. A new Resolution should be developed. | SUP | PT A |
| RES 111 | (Orb-88)    Planning of the fixed-satellite service in the bands 18.1-18.3 GHz, 18.3-20.2 GHz and 27-30 GHz | NOC |  | NOC | PTB4: The resolves of this Resolution is important to be kept as it reflects the CEPT position regarding the inappropriateness of planning the FSS bands 18.1-18.3 GHz, 18.3-20.2 GHz and 27-30 GHz. CPG PTB proposes the course of action for this Resolution to be NOC. | NOC | PT B |
| RES 114 | (Rev.WRC-15)    Compatibility between the aeronautical radionavigation service and the fixed-satellite service (Earth-to-space) (limited to feeder links of the non-geostationary mobile-satellite systems in the mobile-satellite service) in the frequency band 5 091-5 150 MHz | MOD  (AI 1.7) | MOD (AI 1.7) | MOD | This Resolution is referred to in Nos. 5.444 and 5.444A.  ICAO recommends NOC for this Resolution. |  | PT B |
| RES 122 | (Rev.WRC-07)    Use of the bands 47.2-47.5 GHz and 47.9-48.2 GHz by high altitude platform stations in the fixed service and by other services | NOC |  | NOC | This Resolution is referred to in No. 5.552A. | NOC | PT A |
| RES 125 | (Rev.WRC-12)    Frequency sharing in the bands 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz between the mobile-satellite service and the radio astronomy service | NOC |  | NOC |  |  | PT B |
| RES 140 | (Rev.WRC-15)    Measures and studies associated with the equivalent power flux-density (epfd) limits in the band 19.7-20.2 GHz | MOD | MOD | MOD | This Resolution is referred to in No. 22.5CA (editorial update of reference required).  ICAO recommends NOC for this Resolution. |  | PT B |
| RES 143 | (Rev.WRC-07)    Guidelines for the implementation of high-density applications in the fixed-satellite service in frequency bands identified for these applications | NOC |  | NOC | This Resolution is referred to in No. 5.516B (reference in this footnote shall be updated). |  | PT B |
| RES 144 | (Rev.WRC-15)    Special requirements of geographically small or narrow countries operating earth stations in the fixed-satellite service in the band 13.75-14 GHz | MOD | MOD | MOD |  |  | PT B |
| RES 145 | (Rev.WRC-12)    Use of the bands 27.9-28.2 GHz and 31-31.3 GHz by high altitude platform stations in the fixed service | NOC |  | NOC | This Resolution is referred to in Nos. 5.537A and 5.543A.  Consider if any progress based on studies required by invites ITU-R | NOC/MOD/SUP | PTA |
| RES 147 | (WRC-07)    Power flux-density limits for certain systems in the fixed-satellite service using highly-inclined orbits having an apogee altitude greater than 18 000 km and an orbital inclination between 35° and 145° in the band 17.7-19.7 GHz | NOC |  | NOC |  |  | PT B |
| RES 148 | (Rev.WRC-15)    Satellite systems formerly listed in Part B of the Plan of Appendix 30B (WARC Orb-88) | MOD | MOD | MOD |  |  | PT B |
| RES 149 | (Rev.WRC-12)    Submissions from new Member States of the Union relating to Appendix 30B of the Radio Regulations | NOC |  | NOC |  |  | PT B |
| RES 150 | (WRC-12)    Use of the bands 6 440-6 520 MHz and 6 560-6 640 MHz by gateway links for high-altitude platform stations in the fixed service | NOC |  | NOC | This Resolution is referred to in No. 5.457 | NOC | PT A |
| RES 154 | (Rev.WRC-15)    Consideration of technical and regulatory actions in order to support existing and future operation of fixed-satellite service earth stations within the band 3 400-4 200 MHz, as an aid to the safe operation of aircraft and reliable distribution of meteorological information in some countries in Region 1 | (AI 9.1.5) | -- | MOD | ICAO recommends NOC for this Resolution. |  | PT B |
| RES 155 | (WRC-15)    Regulatory provisions related to earth stations on board unmanned aircraft which operate with geostationary-satellite networks in the fixed-satellite service 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 |  |  | ADD | This Resolution is referred to in No. 5.484B.  ICAO recommends modification of this Resolution as necessary in order to reflect the results of completed studies. |  | PTB |
| RES 156 | (WRC-15)    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 fixed-satellite service |  |  | ADD | This Resolution is referred to in No. 5.527A. |  | PT B |
| RES 157 | (WRC-15)    Study of technical and operational issues and regulatory provisions for new non-geostationary-satellite orbit systems in the 3 700-4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz and 6 725- 7 025 MHz frequency bands allocated to the fixed-satellite service |  |  | ADD | ICAO recommends modification of this Resolution as necessary based on results of studies carried out under AI 9.1.3. |  | AI 9.1.3 PT B |
| RES 158 | (WRC-15)    Use of the frequency bands 17.7-19.7 GHz (space-to-Earth) and 27,5-29.5 GHz (Earth-to-space) by earth stations in motion communicating with geostationary space stations in the fixed-satellite service |  |  | ADD |  |  | AI 1.5 PT B |
| RES 159 | (WRC-15)    Studies of technical, operational issues and regulatory provisions for non-geostationary fixed-satellite services satellite systems in the frequency bands 37.5-39.5 GHz (space-to-Earth), 39.5-42.5 GHz (space-to-Earth), 47.2-50.2 GHz (Earth-to-space) and 50.4-51.4 GHz (Earth-to-space) |  |  | ADD |  |  | AI 1.6  PT B |
| RES 160 | (WRC-15)    Facilitating access to broadband applications delivered by high-altitude platform stations |  |  | ADD | ICAO recommends modification or suppression of this Resolution as necessary based on the results of studies carried out under AI 1.14. |  | AI 1.14  PT A |
| RES 161 | (WRC-15)    Studies relating to spectrum needs and possible allocation of the frequency band 37.5-39.5 GHz to the fixed-satellite service |  |  | ADD |  |  | PT B  AI 10 |
| RES 162 | (WRC-15)    Studies relating to spectrum needs and possible allocation of the frequency band 51.4-52.4 GHz to the fixed-satellite service (Earth-to-space) |  |  | ADD |  |  | AI 9.1.9  PT B |
| RES 163 | (WRC-15)    Deployment of earth stations in some Regions 1 and 2 countries in the frequency band 14.5-14.75 GHz in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service |  |  | ADD | This Resolution is referred to in Nos. 5.509B, 5.509C, 5.509C, 5.509D, 5.509E, 5.509F, 5.510 and 22.40.  This Resolution is also referred to in Item A.7.f of Table A and Item C.10.d.7 of Table C, Annex 2 of App. 4.  This Resolution is also referred to in Articles 4 and 7 as well as in annex 4 of App. 30A. |  | PT B |
| RES 164 | (WRC-15)    Deployment of earth stations in some Region 3 countries in the frequency band 14.5-14.8 GHz in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service |  |  | ADD | This Resolution is referred to in Nos. 5.509B, 5.509C, 5.509C, 5.509D, 5.509E, 5.509F, 5.510 and 22.40.  This Resolution is also referred to in Item A.7.f of Table A and Item C.10.d.7 of Table C, Annex 2 of App. 4.  This Resolution is also referred to in Articles 4 and 7 as well as in annex 4 of App. 30A. |  | PT B |
| RES 205 | (Rev.WRC-15)    Protection of the systems operating in the mobile-satellite service in the band 406-406.1 MHz | (AI 9.1.1) | MOD (9.1.1) | MOD | This Resolution is referred to in No. 5.265.  ICAO recommends NOC for this Resolution.  IMO proposes to retain this Resolution. |  | PT B |
| RES 207 | (Rev.WRC-15)    Measures to address unauthorized use of and interference to frequencies in the frequency bands allocated to the maritime mobile service and to the aeronautical mobile (R) service | MOD | MOD | MOD | ICAO recommends NOC for this Resolution.  IMO proposes to retain this Resolution. |  | PT C |
|  | ANNEX     Interference mitigation techniques |  | | |  |  |  |
| RES 212 | (Rev.WRC-15)    Implementation of International Mobile Telecommunications in the frequency bands 1 885–2 025 MHz and 2 110 – 2 200 MHz | (AI 1.1) | -- | MOD | This Resolution is referred to in Nos. 5.351A and 5.388.  This Resolution is referred to in Recommendation 206 (Rev. WRC-12). |  | AI 9.1.1 PT 1 |
| RES 215 | (Rev.WRC-12)    Coordination process among mobile-satellite systems and efficient use of the allocations to the mobile-satellite service in the 1-3 GHz range | NOC |  | NOC |  |  | PT B |
| RES 217 | (WRC-97)    Implementation of wind profiler radars | NOC |  | NOC | This Resolution is referred to in Nos. 5.162A and 5.291A.  ICAO recommends NOC for this Resolution. | NOC | PTA |
| RES 221 | (Rev.WRC‑07)    Use of high altitude platform stations providing IMT in the bands 1 885-1 980 MHz, 2 010-2 025 MHz and 2 110-2 170 MHz in Regions 1 and 3 and 1 885-1 980 MHz and 2 110-2 160 MHz in Region 2 | NOC |  | NOC | This Resolution is referred to in No. 5.388A. |  | PT 1 |
|  | ANNEX     Characteristics of a HAPS operating as an IMT base station in the frequency bands given in RES 221 (Rev.WRC‑07) |  | | |  |  |  |
| RES 222 | (Rev.WRC-12)    Use of the frequency bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz by the mobile-satellite service, and procedures to ensure long term spectrum access for the aeronautical mobile-satellite (R) service | NOC/MOD |  | NOC | This Resolution is referred to in Nos. 5.353A (reference shall be updated) and 5.357A.  ICAO recommends NOC for this Resolution.  IMO proposes to retain this Resolution. |  | PT B |
|  | ANNEX     Procedures to implement No. 5.357A and Resolution 222 (Rev.WRC-12) |  | | |  |  |  |
| RES 223 | (Rev.WRC-15)    Additional frequency bands identified for International Mobile Telecommunications | (AI 1.1) | MOD (AI 1.1) | MOD | 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. |  | PT 1 |
| RES 224 | (Rev.WRC-15)    Frequency bands for the terrestrial component of International Mobile Telecommunications below 1 GHz | (AI 1.1) | -- | MOD | This Resolution is referred to in Nos. 5.286AA, 5.295, 5.308A, 5.312A, 5.316B and 5.317A. |  | PT 1 |
| RES 225 | (Rev.WRC-12)    Use of additional frequency bands for the satellite component of IMT | NOC |  | NOC | This Resolution is referred to in No. 5.351A (this reference should be updated).  ICAO recommends NOC for this Resolution. |  | PT 1 |
| RES 229 | (Rev.WRC-12)    Use of the bands 5 150-5 250 MHz, 5 250-5 350 MHz and 5 470-5 725 MHz by the mobile service for the implementation of wireless access systems including radio local area networks | (AI 1.1) |  | NOC | This Resolution is referred to in Nos. 5.446A, 5.447 and 5.453. |  | PT D |
| RES 235 | (WRC-15)    Review of the spectrum use of the frequency band 470-960 MHz in Region 1 |  |  | ADD |  |  | PT D  AI 10 |
| RES 236 | (WRC-15)    Railway radiocommunication systems between train and trackside |  |  | ADD |  |  | AI 1.11 PT D |
| RES 237 | (WRC-15)    Intelligent Transport Systems applications |  |  | ADD |  |  | AI 1.12 PT D |
| RES 238 | (WRC-15)    Studies on frequency-related matters for International Mobile Telecommunications identification including possible additional allocations to the mobile services on a primary basis in portion(s) of the frequency range between 24.25 and 86 GHz for the future development of International Mobile Telecommunications for 2020 and beyond |  |  | ADD |  |  | AI 1.13 PT 1 |
| RES 239 | (WRC-15)    Studies concerning Wireless Access Systems including radio local area networks in the frequency bands between 5 150 MHz and 5 925 MHz |  |  | ADD | ICAO recommends modification or suppression of this Resolution as necessary based on the results of studies carried out under AI 1.16. |  | AI 1.16 PT D |
| RES 331 | (Rev.WRC-12)    Operation of the Global Maritime Distress and Safety System | NOC |  | NOC | Resolution is still needed.  IMO proposes to retain this Resolution. |  | PT C |
| RES 339 | (Rev.WRC-03)    Coordination of NAVTEX services | NOC |  | NOC | ICAO recommends NOC for this Resolution.  IMO proposes to retain this Resolution. |  | PT C |
| RES 343 | (Rev.WRC-12)    Maritime certification for personnel of ship stations and ship earth stations for which a radio installation is not compulsory | NOC |  | NOC | This Resolution is referred to in No. 47.27A.  IMO proposes to retain this Resolution. |  | PT C |
|  | ANNEX     Examination syllabus for radio operator’s certificates appropriate to vessels using the frequencies and techniques of the Global Maritime Distress and Safety System on a non-compulsory basis |  | | |  |  |  |
| RES 344 | (Rev.WRC-12)    Management of the maritime mobile service identity numbering resource | NOC |  | NOC | IMO proposes to retain this Resolution. |  | PT C |
| RES 349 | (Rev.WRC-12)    Operational procedures for cancelling false distress alerts in the Global Maritime Distress and Safety System | NOC |  | NOC | IMO proposes to retain this Resolution. |  | PT C |
|  | ANNEX     Cancelling of false distress alerts |  | | |  |  |  |
| RES 352 | (WRC-03)    Use of the carrier frequencies 12 290 kHz and 16 420 kHz for safety-related calling to and from rescue coordination centres | NOC |  | NOC | This Resolution is referred to in No. 52.221A and in paragraph 5, Section 1, Part B, Annex 1 of App. 17.  IMO proposes to retain this Resolution. |  | PT C |
| RES 354 | (WRC-07)    Distress and safety radiotelephony procedures for 2 182 kHz | NOC |  | NOC | ICAO recommends NOC for this Resolution.  IMO proposes to retain this Resolution. |  | PT C |
|  | ANNEX |  | | |  |  |  |
| RES 356 | (WRC-07)    ITU maritime service information registration | NOC |  | NOC | ICAO recommends NOC for this Resolution.  IMO proposes to retain this Resolution. |  | PT C |
| RES 359 | (Rev. WRC-15)    Consideration of regulatory provisions for updating and modernization of the Global Maritime Distress and Safety System | (AI 10) | -- | MOD | IMO preliminary position notes that status of this Resolution will depend on conclusions under AI 1.8. |  | AI 1.8 PT C |
| RES 360 | (Rev.WRC-15)    Consideration of regulatory provisions and spectrum allocations to the maritime mobile-satellite service to enable the satellite component of the VHF Data Exchange System and enhanced maritime radiocommunication | (AI 1.16) | SUP  (AI 1.16) | MOD | ICAO recommends modification of this Resolution as necessary based on results of studies carried out under AI 1.9.2.  IMO preliminary position notes that status of this Resolution will depend on conclusions under AI 1.9.2. |  | AI 1.9.2 PT C |
| RES 361 | (WRC-15)    Consideration of regulatory provisions for modernization of the Global Maritime Distress and Safety System and related to the implementation of e-navigation |  |  | ADD | ICAO recommends NOC for this Resolution.  IMO preliminary position notes that status of this Resolution will depend on conclusions under AI 10. |  | AI 1.8 (10) PT C |
| RES 362 | (WRC-15)    Autonomous maritime radio devices operating in the frequency band 156-162.05 MHz |  |  | ADD | IMO preliminary position notes that status of this Resolution will depend on conclusions under AI 1.9.1. |  | AI 1.9.1 PT C |
| RES 405 | Relating to the use of frequencies of the aeronautical mobile (R) service | NOC |  | NOC | ICAO recommends NOC for this Resolution. |  | PT C |
| RES 413 | (Rev. WRC‑12)    Use of the band 108-117.975 MHz by the aeronautical mobile (R) service | NOC |  | NOC | This Resolution is referred to in No. 5.197A (reference shall be updated).  ICAO recommends NOC for this Resolution. |  | PT C |
| RES 416 | (WRC-07)    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 | NOC |  | NOC | This Resolution is referred to in Nos. 5.440A, 5.442 and 5.457C. |  | PT C |
| RES 417 | (Rev.WRC-15)    Use of the frequency band 960-1 164 MHz by the aeronautical mobile (R) service | NOC |  | MOD | Linked with Resolution 413.  This Resolution is referred to in No. 5.327A.  ICAO recommends NOC for this Resolution. |  | PT C |
| RES 418 | (Rev.WRC-15)    Use of the frequency band 5 091-5 250 MHz by the aeronautical mobile service for telemetry applications | MOD | MOD | MOD | This Resolution is referred to in Nos. 5.444B an 5.446C.  Resolution 748 should be taken into account.  ICAO recommends NOC for this Resolution. |  | PT C |
|  | ANNEX |  | | |  |  |  |
| RES 422 | (WRC-12)    Development of methodology to calculate aeronautical mobile-satellite (R) service spectrum requirements within the frequency bands 1 545-1 555 MHz (space-to-Earth) and 1 646.5-1 656.5 MHz (Earth-to-space) | NOC/ SUP |  | NOC | ICAO recommends suppression of this Resolution. |  | PT B |
| RES 424 | (WRC-15)    Use of Wireless Avionics Intra-Communications in the frequency band 4 200-4 400 MHz |  |  | ADD | This Resolution is referred to in No. 5.436.  ICAO recommends NOC for this Resolution. |  | PT C |
| RES 425 | (WRC-15)    Use of the frequency band 1 087.7-1 092.3 MHz by the aeronautical mobile-satellite (R) service (Earth-to-space) to facilitate global flight tracking for civil aviation |  |  | ADD | This Resolution is referred to in No. 5.328AA.  ICAO recommends modification of this Resolution as necessary in order to reflect the results of completed studies. |  | PT C |
| RES 426 | (WRC-15)    Studies on spectrum needs and regulatory provisions for the introduction and use of the Global Aeronautical Distress and Safety System |  |  | ADD | ICAO recommends modification or suppression of this Resolution as necessary based on the results of studies carried out under AI 1.10. |  | AI 1.10 PT C |
| RES 506 | (Rev.WRC-97)    Use by space stations in the broadcasting-satellite service operating in the 12 GHz frequency bands allocated to the broadcasting-satellite service of the geo­stationary-satellite orbit and no other | NOC |  | NOC |  |  | PT B |
| RES 507 | (Rev.WRC-15)    Establishment of agreements and associated plans for the broadcasting-satellite service | NOC/MOD |  | MOD | This Resolution is linked to RES 33. This Resolution is referred to in No. 11.37.2. |  | PT B |
| RES 517 | (Rev.WRC-15)    Introduction of digitally modulated emissions in the high-frequency bands between 3 200 kHz and 26 100 kHz allocated to the broadcasting service | NOC |  | MOD | This Resolution is referred to in No. 5.134 (reference shall be updated). |  | PT A |
| RES 526 | (Rev.WRC-12)    Future adoption of procedures to ensure flexibility in the use of the frequency band allocated to the broadcasting-satellite service (BSS) for wide RF-band high-definition television (HDTV) and to the associated feeder links | NOC SUP not objected |  | NOC |  |  | PT B |
| RES 528 | (Rev.WRC-15)    Introduction of the broadcasting-satellite service (sound) systems and complementary terrestrial broadcasting in the bands allocated to these services within the range 1-3 GHz | NOC |  | MOD | This Resolution is referred to in Nos. 5.393 and 5.418. A former version of this Resolution is referred to in No. 5.345. |  | PT B |
| RES 535 | (Rev.WRC-15)    Information needed for the application of Article 12 of the Radio Regulations | NOC/MOD |  | MOD |  |  | PT A |
|  | ANNEX |  | | |  |  |  |
| RES 536 | (WRC-97)    Operation of broadcasting satellites serving other countries | NOC |  | NOC |  |  | PT B |
| RES 539 | (Rev.WRC-15)    Use of the frequency band 2 605-2 655 MHz in certain Region 3 countries by non-geostationary satellite systems in the broadcasting-satellite service (sound) | NOC |  | MOD | This Resolution is referred to in No. 5.418.  This Resolution is also referred to in Table 5-1, No. 9.11 of App. 5. |  | PT B |
| RES 543 | (WRC-03)    Provisional RF protection ratio values for analogue and digitally modulated emissions in the HF broadcasting service | NOC |  | NOC | This Resolution is referred to in Art. 1.1 and 2.5 of Part C of App. 11. “Resolves 1” refers to Resolution 517 (Rev.WRC-15) which was revised by WRC-07. |  | PT A |
|  | ANNEX |  | | |  |  |  |
| RES 548 | (Rev.WRC-12)    Application of the grouping concept in Appendices 30 and 30A in Regions 1 and 3 | NOC |  | NOC |  |  | PT B |
| RES 549 | (WRC-07)    Use of the frequency band 620-790 MHz for existing assignments to stations of the broadcasting satellite service | NOC |  | NOC | This Resolution is referred to in Table 5-1, Nos. 9.11 and 9.19 of App. 5. Is reference to No. 5.311 (considering b), recognizing a) and b),) deleted by WRC-07, still needed? What will be further role of this Resolution (i.e. protection of two BSS networks) if No. 5.312A and Resolution 224 (Rev. WRC-15) are taken into account? |  | PT B |
| RES 550 | (WRC-07)    Information relating to the high-frequency broadcasting service | NOC |  | NOC |  |  | PT A |
| RES 552 | (Rev.WRC-15)    Long-term access to and development in the frequency band 21.4-22 GHz in Regions 1 and 3 | NOC |  | MOD | This Resolution is referred to in Nos. A.9.4, A.11.2, 11.44.1 and 11.48. |  | PT B |
|  | ANNEX 1 |  | | |  |  |  |
|  | ANNEX 2     Information to be submitted |  | | |  |  |  |
|  | ANNEX 3     Transitional measures |  | | |  |  |  |
| RES 553 | (Rev.WRC-15)    Additional regulatory measures for broadcasting-satellite networks in the frequency band 21.4-22 GHz in Regions 1 and 3 for the enhancement of equitable access to this frequency band | NOC |  | MOD | This Resolution is referred to in No. A.9.8. This Resolution is also referred to in Table 5-1, No. 9.7, 6bis), of App. 5. |  | PT B |
| RES 554 | (WRC-12)    Application of pfd masks to coordination under No. 9.7 for broadcasting-satellite service networks in the band 21.4-22 GHz in Regions 1 and 3 | NOC |  |  | This Resolution is referred to in No. A.11.7 This Resolution is also referred to in Table 5-1, No. 9.7. 6bis), of App. 5. |  | PT B |
| RES 555 | (Rev.WRC-15)    Additional regulatory provisions for broadcasting-satellite service networks in the frequency band 21.4-22 GHz in Regions 1 and 3 for the enhancement of equitable access to this band | SUP | SUP | MOD |  |  | PT B |
| RES 556 | (WRC-15)    Conversion of all analogue assignments in the Appendices 30 and 30A Regions 1 and 3 Plan and List into digital assignments |  |  | ADD |  |  | PT B |
| RES 557 | (WRC-15)    Consideration of possible revision of Annex 7 to Appendix 30 of the Radio Regulations |  |  | ADD |  |  | AI 1.4 PT B |
| RES 608 | (Rev.WRC-15)    Use of the frequency band 1 215-1 300 MHz by systems of the radionavigation-satellite service (space-to-Earth) | NOC |  | MOD | This Resolution is referred to in No. 5.329.  ICAO recommends modification of this Resolution as necessary in order to reflect the results of completed studies. |  | PT B |
| RES 609 | (Rev.WRC-07)    Protection of aeronautical radionavigation service systems from the equivalent power flux-density produced by radionavigation-satellite service networks and systems in the 1 164-1 215 MHz frequency band | NOC |  | NOC | This Resolution is referred to in No. 5.328A. This Resolution is linked with Recommendation 608 (Rev.WRC-07).  ICAO recommends NOC for this Resolution. |  | PT B |
|  | ANNEX     Criteria for application of RES 609 (Rev.WRC-07) |  | | |  |  |  |
| RES 610 | (WRC-03)    Coordination and bilateral resolution of technical compatibility issues for radionavigation-satellite service networks and systems in the bands 1 164-1 300 MHz, 1 559-1 610 MHz and 5 010-5 030 MHz | NOC |  | NOC | This Resolution is referred to in No. 5.328B.  ICAO recommends NOC for this Resolution. |  | PT B |
|  | ANNEX     Criteria for application of RES 610 (WRC-03) |  | | |  |  |  |
| RES 612 | (Rev.WRC-12)    Use of the radiolocation service between 3 and 50 MHz to support oceanographic radar operations | NOC |  | NOC | This Resolution is referred to in Nos. 5.132A, 5.145A and 5.161A.  ICAO recommends NOC for this Resolution.  IMO proposes to retain this Resolution. |  | PT C |
| RES 641 | (Rev.HFBC-87)    Use of the frequency band 7 000-7 100 kHz | NOC |  | NOC |  |  | PT C PT D |
| RES 642 | Relating to the bringing into use of earth stations in the amateur-satellite service | NOC |  | NOC |  |  | PT B PT C PT D |
| RES 646 | (Rev.WRC‑15)    Public protection and disaster relief | MOD  (AI 1.3) | MOD (AI 1.3) | MOD | This Resolution is referred to in Recommendation 206 (Rev. WRC-15). |  | PT A |
| RES 647 | (Rev.WRC-15)    Radiocommunication aspects, including spectrum management guidelines, for early warning, disaster prediction, detection, mitigation and relief operations relating to emergencies and disasters | SUP |  | MOD |  |  | PT A |
| RES 655 | (WRC-15)    Definition of time scale and dissemination of time signals via radiocommunication systems |  |  | ADD | This Resolution is referred to in No. 1.14. |  | PT A |
| RES 656 | (WRC-15)    Possible allocation to the Earth exploration-satellite service (active) for spaceborne radar sounders in the range of frequencies around 45 MHz |  |  | ADD |  |  | PT A PT B |
| RES 657 | (WRC-15)    Spectrum needs and protection of space weather sensors |  |  | ADD |  |  | PT A PT B |
| RES 658 | (WRC-15)    Allocation of the frequency band 50-54 MHz to the amateur service in Region 1 |  |  | ADD |  |  | AI 1.1 PT D |
| RES 659 | (WRC-15)    Studies to accommodate requirements in the space operations service for non-geostationary satellites with short duration missions |  |  | ADD | ICAO recommends modification or suppression of this Resolution as necessary based on the results of studies carried out under AI 1.7. |  | AI 1.7 PT A |
| RES 673 | (Rev.WRC-12)    The importance of Earth observation radiocommunication applications | NOC |  | NOC | This Resolution is referred to in No. 29A.1. |  | PT A |
| RES 703 | (Rev.WRC-07)    Calculation methods and interference criteria recommended by ITU‑R for sharing frequency bands between space radiocommunication and terrestrial radiocommunication services or between space radiocommunication services | NOC |  | NOC |  |  | PT B |
| RES 705 | (Rev.WRC-15)    Mutual protection of radio services operating in the frequency band 70-130 kHz | NOC |  | MOD | ICAO recommends modification of this Resolution as necessary in order to reflect the results of completed studies. |  | PT C |
| RES 716 | (Rev.WRC-12)    Use of the frequency bands 1 980-2 010 MHz and 2 170-2 200 MHz in all three Regions and 2 010-2 025 MHz and 2 160-2 170 MHz in Region 2 by the fixed and mobile-satellite services and associated transition arrangements | NOC |  | NOC | A former version of this Resolution is referred to in Nos. 5.389A, 5.389C.  No. 5.390 was suppressed by WRC-07. |  | PT B |
| RES 729 | (Rev.WRC-07)    Use of frequency adaptive systems in the MF and HF bands | NOC |  | NOC | Resolution is referred to in Table 1 of Annex 1 to App. 4.  ICAO recommends NOC for this Resolution. |  | PT A |
| RES 731 | (Rev.WRC-12)    Consideration of sharing and adjacent-band compatibility between passive and active services above 71 GHz | NOC |  | NOC | Reference to suppressed Recommendation ITU-R RS.1029-2 in considering h) of this Resolution should be replaced by reference to Recommendation ITU-R RS.2017 which replaces the suppressed one (CACE/583). | ECP | PT A |
| RES 732 | (Rev.WRC-12)    Consideration of sharing between active services above 71 GHz | NOC |  | NOC |  |  | PT A |
| RES 739 | (Rev.WRC‑15)    Compatibility between the radio astronomy service and the active space services in certain adjacent and nearby frequency bands | NOC (AI 1.16) | MOD (AI 1.16) | MOD | This Resolution is referred to in No. 5.208B. |  | PT A PT B PT C |
|  | ANNEX 1     Unwanted emission threshold levels |  | | |  |  |  |
| RES 741 | (Rev.WRC-15)    Protection of the radio astronomy service in the frequency band 4 990-5 000 MHz from unwanted emissions of the radionavigation-satellite service (space-to-Earth) operating in the frequency band 5 010-5 030 MHz | NOC |  | MOD | This Resolution is referred to in No. 5.443B. This Resolution is also referred to in Items A.17.b.1 and A.17.b.3 of Table A, Annex 2 of App. 4. |  | PT A  PT C |
| RES 743 | (WRC-03)    Protection of single-dish radio astronomy stations in Region 2 in the 42.5-43.5 GHz band | NOC |  | NOC | This Resolution is referred to in Nos. 5.551H and 5.551I. |  | PT A  PT B |
| RES 744 | (Rev.WRC-07)    Sharing between the mobile-satellite service (Earth-to-space) and the fixed and mobile services in the band 1 668.4-1 675 MHz | NOC |  | NOC | This Resolution is referred to in No. 5.379D. |  | PT B |
| RES 748 | (Rev.WRC-15)    Compatibility between the aeronautical mobile (R) service and the fixed-satellite service (Earth-to-space) in the band 5 091-5 150 MHz | (AI 1.7) | MOD (AI 1.7) | MOD | This Resolution is referred to in No. 5.444B. This Resolution is linked with Resolutions 114 and 418.  ICAO recommends NOC for this Resolution. |  | PT B PT C |
| RES 749 | (Rev.WRC-15)    Use of the frequency band 790-862 MHz in countries of Region 1 and the Islamic Republic of Iran by mobile applications and by other services | MOD | MOD | MOD | This Resolution is referred to in Nos. 5.316B and 5.317A. This Resolution is linked with Resolution 224. |  | PT A PT D |
| RES 750 | (Rev.WRC-15)    Compatibility between the Earth exploration-satellite service (passive) and relevant active services | (AI 1.1) | MOD (AI 1.1) | MOD | This Resolution is referred to in No. 5.338A. |  | PT A PT B  (AI 1.6)  AI 9.1.9)  PT1 (AI 1.13) |
| RES 751 | (WRC-07)    Use of the frequency band 10.6-10.68 GHz | NOC |  | NOC | This Resolution is referred to in No. 5.482A. |  | PT A |
|  | ANNEX    Sharing criteria in the band 10.6-10.68 GHz |  | | |  |  |  |
| RES 752 | (WRC-07)    Use of the frequency band 36-37 GHz | NOC |  | NOC | This Resolution is referred to in No. 5.550A. |  | PT A |
|  | ANNEX    Sharing criteria in the band 36-37 GHz |  | | |  |  |  |
| RES 759 | (WRC-15)    Technical studies on the coexistence of the radiolocation service and the amateur, amateur-satellite and radio astronomy services in the frequency band 76-81 GHz |  |  | ADD |  |  | PT A PT C PT D |
| RES 760 | (WRC-15)    Provisions relating to the use of the frequency band 694-790 MHz in Region 1 by the mobile, except aeronautical mobile, service and by other services |  |  | ADD | This Resolution is referred to in Nos. 5.312A and 5.317A. |  | PT D |
| RES 761 | (WRC-15)    Compatibility of International Mobile Telecommunications and broadcasting-satellite service (sound) in the frequency band 1 452-1 492 MHz in Regions 1 and 3 |  |  | ADD | This Resolution is referred to in Nos. 5.346 and 5.346A. |  | AI 9.1.2 PT 1 |
| RES 762 | (WRC-15)    Application of power flux-density criteria to assess the potential for harmful interference under No. 11.32A for fixed-satellite and broadcasting-satellite service networks in the 6 GHz and 10/11/12/14 GHz bands not subject to a Plan |  |  | ADD | This Resolution is referred to in No. 11.32A.2.  ICAO recommends NOC for this Resolution. |  | PT B |
| RES 763 | (WRC-15)    Stations on board sub-orbital vehicles |  |  | ADD | ICAO recommends modification of this Resolution as necessary based on results of studies carried out under AI 9.1.4. |  | AI 9.1.4 PT C |
| RES 764 | (WRC-15)    Consideration of the technical and regulatory impacts of referencing Recommendations ITU-R M.1638-1 and ITU-R M.1849-1 in Nos. 5.447F and 5.450A of the Radio Regulations |  |  | ADD |  |  | AI 9.1.5 PT D |
| RES 765 | (WRC-15)    Establishment of in-band power limits for earth stations operating in mobile-satellite service, the meteorological-satellite service and the Earth exploration-satellite service in the frequency bands 401-403 MHz and 399.9-400.05 MHz |  |  | ADD |  |  | AI 1.2 PT A |
| RES 766 | (WRC-15)    Consideration of possible upgrading of the secondary allocation to the meteorological-satellite service (space-to-Earth) to primary status and a primary allocation to the Earth exploration-satellite service (space-to-Earth) in the frequency band 460-470 MHz |  |  | ADD |  |  | AI 1.3 PT A |
| RES 767 | (WRC-15)    Studies towards an identification for use by administrations for land-mobile and fixed services applications operating in the frequency range 275-450 GHz |  |  | ADD |  |  | AI 1.15 PT A |
| RES 804 | Rev.(WRC-12)    Principles for establishing agendas for world radiocommunication conferences | NOC |  | NOC |  |  | PT A |
|  | ANNEX 1    Principles for establishing agendas for WRCs |  | | |  |  |  |
|  | ANNEX 2    Template for the submission of proposals for agenda items |  | | |  |  |  |
| RES 809 | (WRC-15)    Agenda for the 2019 World Radiocommunication Conference |  |  | ADD |  |  | AI 10 CPG |
| RES 810 | (WRC-15)    Preliminary agenda for the 2023 World Radiocommunication Conference |  |  | ADD |  |  | AI 10 CPG |
| RES 901 | (Rev.WRC-15)    Determination of the orbital arc separation for which coordination would be required between two satellite networks operating in a space service not subject to a Plan | NOC |  | MOD | This Resolution is referred to in No. Table 5-1, No. 9.7, 7) and 8) of App 5. |  | PT B |
| RES 902 | (WRC-03)    Provisions relating to earth stations located on board vessels which operate in fixed-satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz | (AI 1.8) | MOD (AI 1.8) | NOC | This Resolution is referred to in Nos. 5.457A, 5.457B, 5.506A and 5.506B.  This Resolution is linked with Recommendation 37 (Rev. WRC-03). |  | PT B PT C |
|  | ANNEX 1     Regulatory and operational provisions for ESVs transmitting in the 5 925‑6 425 MHz and 14-14.5 GHz bands |  | | |  |  |  |
|  | ANNEX 2     Technical limitations applicable to ESVs transmitting in the bands 5 925-6 425 MHz and 14-14.5 GHz |  | | |  |  |  |
| RES 903 | (Rev.WRC-15)    Transitional measures for certain broadcasting satellite/fixed-satellite service systems in the frequency band 2 500-2 690 MHz | MOD |  | MOD | This Resolution is referred to in No. 21.16.3A. This Resolution is linked with Resolution 223 (Rev.WRC-07) and 539 (Rev.WRC-03). |  | PT B |
| RES 904 | (WRC-07)    Transitional measure for coordination between Mobile-Satellite Service (Earth-to-space) and the space research (passive) service in the band 1 668 – 1 668.4 MHz for a specific case | SUP | SUP | NOC | This Resolution is referred to in No. 5.379B. |  | PT B |
| RES 906 | (Rev.WRC-15)    Electronic submission of notices for terrestrial services to the Radiocommunication Bureau and exchange of data between administrations | NOC MOD accept-able |  | MOD |  |  | PT A |
| RES 907 | (Rev.WRC-15)    Use of modern electronic means of communication for administrative correspondence related to advance publication, coordination and notification of satellite networks including that related to Appendices 30, 30A and 30B, earth stations and radio astronomy stations | (AI 7) | (MOD)(AI 7) | MOD |  |  | PT B |
| RES 908 | (Rev.WRC-15)    Electronic submissions and publication of satellite network filings | (AI 7) | (MOD)(AI 7) | MOD |  |  | PT B |
| RES 958 | (WRC-15)    Urgent studies required in preparation for the 2019 World Radiocommunication Conference |  |  | ADD |  |  | AI 9.1.6, PT D  AI 9.1.7, PT B  AI 9.1.8, PT 1 |

| Recommendation | | CEPT proposed for WRC-15 | | WRC-15 result | Comments | Proposed course of action (CoA) at WRC-19 | WRC-19 Agenda Item/ PT |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CoA | ECP |
| REC 7 | (Rev.WRC-97)    Adoption of standard forms for ship station and ship earth station licences and aircraft station and aircraft earth station licences | NOC |  | NOC | ICAO recommends NOC for this Recommendation. |  | PT C |
|  | ANNEX 1     Principles for the formulation of standard ship and aircraft station licences |  | | |  |  |  |
|  | ANNEX 2 |  | | |  |  |  |
|  | ANNEX 3 |  | | |  |  |  |
| REC 8 | Relating to automatic identification of stations | NOC |  | NOC |  |  | PT C |
| REC 9 | Relating to the measures to be taken to prevent the operation of broadcasting stations on board ships or aircraft outside national territories | NOC |  | NOC | ICAO recommends NOC for this Recommendation. |  | PT C |
| REC 16 | (WRC-12)    Interference management for stations that may operate under more than one terrestrial radiocommunication service | NOC |  | NOC |  |  | PT A |
| REC 34 | (Rev.WRC-12)    Principles for the allocation of frequency bands | NOC |  | NOC |  |  | PT A |
| REC 36 | (WRC-97)    Role of international monitoring in reducing apparent congestion in the use of orbit and spectrum resources | NOC |  | NOC |  |  | PT B |
| REC 37 | (WRC-03)    Operational procedures for earth stations on board vessels (ESVs) use | NOC/MOD |  | NOC | This Recommendation is referred to in Resolution 902 (WRC-03). |  | PT B |
|  | ANNEX 1     Operational procedures for ESV use |  | | |  |  |  |
| REC 63 | Relating to the provision of formulae and examples for the calculation of necessary bandwidths | NOC |  | NOC |  |  | PT A |
| REC 71 | Relating to the standardization of the technical and operational characteristics of radio equipment | NOC |  | NOC | ICAO recommends NOC for this Recommendation. |  | PT A |
| REC 75 | (Rev.WRC-15)    Study of the boundary between the out-of-band and spurious domains of primary radars using magnetrons | MOD | MOD | MOD | ICAO recommends modification of this Recommendation in order to reflect current radar design. |  | PT A |
| REC 76 | (WRC-12)    Deployment and use of cognitive radio systems | NOC |  | NOC |  |  | PT A |
| REC 100 | (Rev.WRC-03)    Preferred frequency bands for systems using tropospheric scatter | NOC |  | NOC |  |  | PT A |
| REC 206 | (Rev.WRC-12)    Studies on the possible use of integrated mobile-satellite service and ground component systems in the bands 1 525-1 544 MHz, 1 545-1 559 MHz, 1 626.5-1 645.5 MHz and 1 646.5-1 660.5 MHz | NOC |  | NOC |  |  | PT B |
| REC 207 | (Rev.WRC-15)    Future IMT systems | MOD | MOD | MOD |  |  | PT D |
| REC 316 | (Rev.Mob-87)    Use of ship earth stations within harbours and other waters under national jurisdiction | NOC |  | NOC |  |  | PT C |
| REC 401 | Relating to the efficient use of aeronautical mobile (R) worldwide frequencies | NOC |  | NOC | ICAO recommends NOC for this Recommendation. |  | PT C |
| REC 503 | (Rev.WRC-2000)    High-frequency broadcasting | NOC |  | NOC |  |  | PT A |
| REC 506 | Relating to the harmonics of the fundamental frequency of broadcasting-satellite stations | NOC |  | NOC |  |  | PT B |
| REC 520 | (WARC-92)    Elimination of HF broadcasting on frequencies outside the HF bands allocated to the broadcasting service | NOC |  | NOC |  |  | PT A |
| REC 522 | (WRC-97)    Coordination of high-frequency broad­casting schedules in the bands allocated to the broadcasting service between 5 900 kHz and 26 100 kHz | NOC |  | NOC |  |  | PT A |
| REC 608 | (Rev.WRC-07)    Guidelines for consultation meetings established in Resolution 609 (Rev.WRC-07) | NOC |  | NOC | This Recommendation is referred to in Resolution 609 (Rev. WRC-07).  ICAO recommends NOC for this Recommendation. |  | PT C |
|  | ANNEX 1     List of RNSS system characteristics and format of the result of the aggregate epfd calculation to be provided to the Radiocommunication Bureau for publication for information |  | | |  |  |  |
| REC 622 | (WRC-97)    Use of the frequency bands 2 025-2 110 MHz and 2 200-2 290 MHz by the space research, space operation, Earth exploration-satellite, fixed and mobile services | NOC |  | NOC |  |  | PT A |
| REC 707 | Relating to the use of the frequency band 32-33 GHz shared between the inter-satellite service and the radionavigation service | NOC |  | NOC | This Recommendation is referred to in No. 5.548. |  | PT B PT C |
| REC 724 | (WRC-07)    Use by civil aviation of frequency allocations on a primary basis to the fixed-satellite service | NOC |  | NOC |  |  | PT C |