

CHARTER
WORLD RADIOCOMMUNICATION CONFERENCE ADVISORY COMMITTEE

1. Committee's Official Designation

The World Radiocommunication Conference Advisory Committee. The short form reference for the Committee will be "WRC Advisory Committee, WRC, or Committee."

2. Authority

The Committee was established at the direction of the Chairman of the Federal Communications Commission (FCC) in accordance with the provisions of the Federal Advisory Committee Act (FACA), as amended, 5 U.S.C. App. 2.

3. Committee's Objectives and Scope of Activity

Objectives: To provide to the Federal Communications Commission (FCC) advice, technical support, and recommended proposals for International Telecommunication Union World Radiocommunication Conferences.

Scope of Activity: All steps necessary to assemble information to provide advice, technical analyses, and specific recommended proposals on matters relating to - World Radiocommunication Conferences, with particular emphasis on the following:

WRC Agenda Item 1.1: to consider an allocation of the frequency band 50-54 MHz to the amateur service in Region 1, in accordance with Resolution **658 (WRC-15)**;

WRC Agenda Item 1.2: to consider in-band power limits for earth stations operating in the mobile-satellite service, meteorological-satellite service and Earth exploration-satellite service in the frequency bands 401-403 MHz and 399.9-400.05 MHz, in accordance with Resolution **765 (WRC-15)**;

WRC Agenda Item 1.3: to consider possible upgrading of the secondary allocation to the meteorological- satellite service (space-to-Earth) to primary status and a possible primary allocation to the Earth exploration-satellite service (space-to-Earth) in the frequency band 460-470 MHz, in accordance with Resolution **766 (WRC-15)**;

WRC Agenda Item 1.4: to consider the results of studies in accordance with Resolution **557 (WRC-15)**, and review, and revise if necessary, the limitations mentioned in Annex 7 to Appendix **30 (Rev.WRC-12)**, while ensuring the protection of, and without imposing additional constraints on, assignments in the Plan and the List and the future development of the broadcasting-satellite service within the Plan, and existing and planned fixed-satellite service networks;

WRC Agenda Item 1.5: to consider the 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 and take appropriate action, in accordance with Resolution **158 (WRC-15)**;

WRC Agenda Item 1.6: to consider the development of a regulatory framework for non-GSO FSS satellite systems that may operate 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), in accordance with Resolution **159 (WRC-15)**;

WRC Agenda Item 1.7: to study the spectrum needs for telemetry, tracking and command in the space operation service for non-GSO satellites with short duration missions, to assess the suitability of existing allocations to the space operation service and, if necessary, to consider new allocations, in accordance with Resolution **659 (WRC-15)**;

WRC Agenda Item 1.8: to consider possible regulatory actions to support Global Maritime Distress Safety Systems (GMDSS) modernization and to support the introduction of additional satellite systems into the GMDSS, in accordance with Resolution **359 (Rev.WRC-15)**;

WRC Agenda Item 1.9: to consider, based on the results of ITU-R studies:

WRC Agenda Item 1.9.1: regulatory actions within the frequency band 156-162.05 MHz for autonomous maritime radio devices to protect the GMDSS and automatic identifications system (AIS), in accordance with Resolution **362 (WRC-15)**;

WRC Agenda Item 1.9.2: modifications of the Radio Regulations, including new spectrum allocations to the maritime mobile-satellite service (Earth-to-space and space-to-Earth), preferably within the frequency bands 156.0125-157.4375 MHz and 160.6125-162.0375 MHz of Appendix 18, to enable a new VHF data exchange system (VDES) satellite component, while ensuring that this component will not degrade the current terrestrial VDES components, applications specific messages (ASM) and AIS operations and not impose any additional constraints on existing services in these and adjacent frequency bands as stated in recognizing d) and e) of Resolution **360 (Rev.WRC-15)**;

WRC Agenda Item 1.10: to consider spectrum needs and regulatory provisions for the introduction and use of the Global Aeronautical Distress and Safety System (GADSS), in accordance with Resolution **426 (WRC-15)**;

WRC Agenda Item 1.11: to take necessary actions, as appropriate, to facilitate global or regional harmonized frequency bands to support railway radiocommunication systems between train and trackside within existing mobile service allocations, in accordance with Resolution **236 (WRC-15)**;

WRC Agenda Item 1.12: to consider possible global or regional harmonized frequency bands, to the maximum extent possible, for the implementation of evolving Intelligent Transport Systems (ITS) under existing mobile-service allocations, in accordance with Resolution **237 (WRC-15)**;

WRC Agenda Item 1.13: to consider identification of frequency bands for the future development of International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution **238 (WRC-15)**;

WRC Agenda Item 1.14: to consider, on the basis of ITU-R studies in accordance with Resolution **160 (WRC-15)**, appropriate regulatory actions for high-altitude platform stations (HAPS), within existing fixed-service allocations;

WRC Agenda Item 1.15: to consider identification of frequency bands for use by administrations for the land- mobile and fixed services applications operating in the frequency range 275-450 GHz, in accordance with Resolution **767 (WRC-15)**;

WRC Agenda Item 1.16: to consider issues related to wireless access systems, including radio local area networks (WAS/RLAN), in the frequency bands between 5 150 MHz and 5 925 MHz, and take the appropriate regulatory actions, including additional spectrum allocations to the mobile service, in accordance with Resolution **239 (WRC-15)**;

WRC Agenda Item 2: to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution **28 (Rev.WRC-15)**, and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in Annex 1 to Resolution **27 (Rev.WRC-12)**;

WRC Agenda Item 3: to consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the conference;

WRC Agenda Item 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;

WRC Agenda Item 5: to review, and take appropriate action on, the Report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention;

WRC Agenda Item 6: to identify those items requiring urgent action by the radiocommunication study groups in preparation for the next world radiocommunication conference;

WRC Agenda Item 7: to consider possible changes, and other options, in response to Resolution **86 (Rev. Marrakesh, 2002)** of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution **86 (Rev.WRC-07)**, in order to facilitate rational, efficient and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;

WRC Agenda Item 8: to consider and take appropriate action on requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution **26 (Rev.WRC-07)**;

WRC Agenda Item 9: to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:

WRC Agenda Item 9.1: on the activities of the Radiocommunication Sector since WRC-15;

WRC Agenda Item 9.1.1: Resolution **212 (Rev.WRC-15)** Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110 2 200 MHz

WRC Agenda Item 9.1.2: Resolution **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

WRC Agenda Item 9.1.3: Resolution **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

WRC Agenda Item 9.1.4: Resolution **763 (WRC-15)** Stations on board sub-orbital vehicles

WRC Agenda Item 9.1.5: Resolution **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

WRC Agenda Item 9.1.6: Issue 1 in the Annex to Resolution **958 (WRC-15)** Studies concerning Wireless Power Transmission (WPT) for electric vehicles: a) to assess the impact of WPT for electric vehicles on radiocommunication services; b) to study suitable harmonized frequency ranges which would minimize the impact on radiocommunication services from WPT for electrical vehicles.

WRC Agenda Item 9.1.7: Issue 2 in the Annex to Resolution **958 (WRC-15)** Studies to examine: a) whether there is a need for possible additional measures in order to limit uplink transmissions of terminals to those authorized terminals in accordance with No. 18.1; b) the possible methods that will assist administrations in managing the unauthorized operation of earth station terminals deployed within its territory, as a tool to guide their national spectrum management programme, in accordance with Resolution ITU R 64 (RA 15).

WRC Agenda Item 9.1.8: Issue 3 in the Annex to Resolution **958 (WRC-15)** Studies on the technical and operational aspects of radio networks and systems, as well as spectrum needed, including possible harmonized use of spectrum to support the implementation of narrowband and broadband machine-type communication infrastructures, in order to develop Recommendations, Reports and/or Handbooks, as appropriate, and to take appropriate actions within the ITU Radiocommunication Sector (ITU-R) scope of work.

WRC Agenda Item 9.1.9: Resolution **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)

WRC Agenda Item 9.2: on any difficulties or inconsistencies encountered in the application of the Radio Regulations^{*}; and

WRC Agenda Item 9.3: on action in response to Resolution **80 (Rev.WRC-07)**;

WRC Agenda Item 10: to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with Article 7 of the Convention (see e.g., Resolution **810 (WRC-15)**).

^{*} This agenda item is strictly limited to the Report of the Director on any difficulties or inconsistencies encountered in the application of the Radio Regulations and the comments from administrations.

4. Description of Duties for Which Committee is Responsible

The duties of the Committee will be to gather information, prepare technical analyses, and provide to the FCC recommended proposals concerning the matters listed in Section 3. The Committee will complete its work within the scope of activity and submit its reports and recommended proposals to the FCC when requested by that agency. The Committee should complete this work prior to the establishment of a United States Delegation to a WRC-. In any event, the Committee will complete its final report and recommended proposals in advance of the deadline established by the International Telecommunication Union for submission of proposals by administrations to WRCs-. Interim reports may be submitted as considered necessary.

5. Official to Whom the Committee Reports

The Committee will report its findings to the Chairman of the Federal Communications Commission through the committee Designated Federal Official (DFO) or its Alternate DFO.

6. Responsibility for Providing Necessary Support to the Committee

The FCC will furnish necessary administrative support.

7. Estimated Annual Operating Costs and Staff Years

The estimated annual staff time is 0.4 FTE for the FCC, or \$30,000. The estimated annual operating costs for administrative support services, including transportation costs, provided to the Committee are \$1,000.

8. Designated Federal Officer

A full-time or permanent part-time employee, appointed by the FCC Chairman, will serve as the Designated Federal Officer (DFO). The DFO will approve or call all of the advisory committee's and subcommittees' meetings, prepare and approve all meeting agendas, attend all committee and subcommittee meetings, adjourn any meeting when the DFO determines adjournment to be in the public interest, and chair meetings when directed to do so by the FCC Chairman.

9. Estimated Number and Frequency of Meetings

The Committee is expected to meet approximately four times per year, on a quarterly basis or at such other intervals as the FCC decides.

10. Duration

The Committee will have two (2) years from the date its Charter is filed to carry out the purposes for which it was created.

11. Committee's Termination Date

The Committee will terminate two (2) years from the date that the Council's charter is filed, unless renewed before that date for an additional term.

12. Membership and Designation

Members of the Committee shall be appointed by the Chairman of the FCC. Members will have specific interests and expertise or experience as it relates to the questions before the Committee, including such matters as wireless communications infrastructure and equipment, telecommunications, broadcasting, and other radiocommunication services, consumer advocacy, and underserved populations (e.g., persons living in rural areas and tribal communities). Together, the organizations represented shall provide a balanced viewpoint on the issues being considered. Members will be appointed either as Representatives or as Special Government Employees (SGEs) as necessary.

13. Subcommittees

Subject to approval of the Chairman of the FCC, the Committee may have subcommittees that meet more frequently, as its activities may require. Activities and recommendations of the informal subcommittees must be reported to the Committee as a whole, and only as modified or ratified by the Committee as a whole may such recommendations be reported to the Chairman of the FCC.

14. Recordkeeping

Records of the proceedings will be kept, as required by applicable laws and regulations. All records of the committee, formally and informally established subcommittees, or other subgroups of the committee, shall be handled in accordance with General Records Schedule 6.2 or other approved agency records disposition schedule. These records shall be available for public inspection and copying, subject to the Freedom of Information Act, 5 U.S.C. 552.

15. Charter Filing Date

April 8, 2016