

# 2023 Current Fiscal Year Report: World Radiocommunication Conference Advisory Committee

Report Run Date: 02/04/2023 06:21:19 AM

<b>1. Department or Agency</b>	<b>2. Fiscal Year</b>
Federal Communications Commission	2023
<b>3. Committee or Subcommittee</b>	<b>3b. GSA Committee No.</b>
World Radiocommunication Conference Advisory Committee	1895

<b>4. Is this New Fiscal Year?</b>	<b>5. Current Charter</b>	<b>6. Expected Renewal Date</b>	<b>7. Expected Term Date</b>
No	03/31/2022	03/31/2024	

<b>8a. Was Terminated During Fiscal Year?</b>	<b>8b. Specific Termination Authority</b>	<b>8c. Actual Term Date</b>
No	Agency decision	

<b>9. Agency Recommendation for Next Fiscal Year</b>	<b>10a. Legislation Req to Terminate?</b>	<b>10b. Legislation Pending?</b>
Continue	Not Applicable	Not Applicable

**11. Establishment Authority** Agency Authority

<b>12. Specific Establishment Authority</b>	<b>13. Effective Date</b>	<b>14. Committee Type</b>	<b>14c. Presidential?</b>
Agency decision	01/08/1999	Continuing	No

**15. Description of Committee** Other Committee

**16a. Total Number of Reports** No Reports for this Fiscal Year

**17a. Open** 0 **17b. Closed** 0 **17c. Partially Closed** 0 **Other Activities** 0 **17d. Total** 0

## Meetings and Dates

No Meetings

<b>Current</b>	<b>Next</b>
<b>FY</b>	<b>FY</b>

<b>18a(1). Personnel Pmts to Non-Federal Members</b>	\$0.00	\$0.00
<b>18a(2). Personnel Pmts to Federal Members</b>	\$0.00	\$0.00
<b>18a(3). Personnel Pmts to Federal Staff</b>	\$0.00	\$0.00
<b>18a(4). Personnel Pmts to Non-Member Consultants</b>	\$0.00	\$0.00
<b>18b(1). Travel and Per Diem to Non-Federal Members</b>	\$0.00	\$0.00
<b>18b(2). Travel and Per Diem to Federal Members</b>	\$0.00	\$0.00
<b>18b(3). Travel and Per Diem to Federal Staff</b>	\$0.00	\$0.00
<b>18b(4). Travel and Per Diem to Non-member Consultants</b>	\$0.00	\$0.00
<b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b>	\$0.00	\$0.00
<b>18d. Total</b>	\$0.00	\$0.00
<b>19. Federal Staff Support Years (FTE)</b>	0.00	0.00

**20a. How does the Committee accomplish its purpose?**

The Committee provides advice, technical support, and recommends proposals to assist the FCC in its preparation for World Radiocommunication Conferences, which occur every three to four years under the auspices of the International Telecommunication Union. The last World Radiocommunication Conference (WRC-19) was held from October 28 - November 22, 2019. The next World Radiocommunication Conference will be held in 2023. The WRC-23 Advisory Committee will address a broad range of topics concerning all steps necessary to assemble information to provide advice, technical analyses, and specific recommended proposals on matters relating to WRC-19 and future related

conferences, with particular emphasis on the following: WRC Agenda Item 1.1: to consider, based on the results of the ITU R studies, possible measures to address, in the frequency band 4 800-4 990 MHz, protection of stations of the aeronautical and maritime mobile services located in international airspace and waters from other stations located within national territories, and to review the pfd criteria in No. 5.441B in accordance with Resolution 223 (Rev.WRC 19); WRC Agenda Item 1.2: to consider identification of 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 for International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution 245 (WRC 19); WRC Agenda Item 1.3: to consider primary allocation of the band 3 600 3 800 MHz to mobile service within Region 1 and take appropriate regulatory actions, in accordance with Resolution 246 (WRC 19); WRC Agenda Item 1.4: to consider, in accordance with Resolution 247 (WRC 19), the use of high-altitude platform stations as IMT base stations (HIBS) in the mobile service in certain frequency bands below 2.7 GHz already identified for IMT, on a global or regional level; WRC Agenda Item 1.5: to review the spectrum use and spectrum needs of existing services in the frequency band 470-960 MHz in Region 1 and consider possible regulatory actions in the frequency band 470 694 MHz in Region 1 on the basis of the review in accordance with Resolution 235 (WRC 15); WRC Agenda Item 1.6: to consider, in accordance with Resolution 772 (WRC 19), regulatory provisions to facilitate radiocommunications for sub-orbital vehicles; WRC Agenda Item 1.7: to consider a new aeronautical mobile-satellite (R) service

(AMS(R)S) allocation in accordance with Resolution 428 (WRC 19) for both the Earth-to-space and space-to-Earth directions of aeronautical VHF communications in all or part of the frequency band 117.975-137 MHz, while preventing any undue constraints on existing VHF systems operating in the AM(R)S, the ARNS, and in adjacent frequency bands; WRC Agenda Item 1.8: to consider, on the basis of ITU R studies in accordance with Resolution 171 (WRC 19), appropriate regulatory actions, with a view to reviewing and, if necessary, revising Resolution 155 (Rev.WRC 19) and No. 5.484B to accommodate the use of fixed-satellite service (FSS) networks by control and non-payload communications of unmanned aircraft systems; WRC Agenda Item 1.9: to review Appendix 27 of the Radio Regulations and consider appropriate regulatory actions and updates based on ITU R studies, in order to accommodate digital technologies for commercial aviation safety-of-life applications in existing HF bands allocated to the aeronautical mobile (route) service and ensure coexistence of current HF systems alongside modernized HF systems, in accordance with Resolution 429 (WRC 19); WRC Agenda Item 1.10: to conduct studies on spectrum needs, coexistence with radiocommunication services and regulatory measures for possible new allocations for the aeronautical mobile service for the use of non-safety aeronautical mobile applications, in accordance with Resolution 430 (WRC 19); WRC Agenda Item 1.11: to consider possible regulatory actions to support the modernization of the Global Maritime Distress and Safety System and the implementation of e navigation, in accordance with Resolution 361 (Rev.WRC 19); WRC Agenda Item 1.12: to conduct, and complete in time for WRC 23,

studies for a possible new secondary allocation to the Earth exploration-satellite (active) service for spaceborne radar sounders within the range of frequencies around 45 MHz, taking into account the protection of incumbent services, including in adjacent bands, in accordance with Resolution 656 (Rev.WRC 19); WRC Agenda Item 1.13: to consider a possible upgrade of the allocation of the frequency band 14.8-15.35 GHz to the space research service, in accordance with Resolution 661 (WRC 19); WRC Agenda Item 1.14: to review and consider possible adjustments of the existing or possible new primary frequency allocations to EESS (passive) in the frequency range 231.5-252 GHz, to ensure alignment with more up-to-date remote-sensing observation requirements, in accordance with Resolution 662 (WRC 19); WRC Agenda Item 1.15: to harmonize the use of the frequency band 12.75-13.25 GHz (Earth-to-space) by earth stations on aircraft and vessels communicating with geostationary space stations in the fixed-satellite service globally, in accordance with Resolution 172 (WRC 19); WRC Agenda Item 1.16: to study and develop technical, operational and regulatory measures, as appropriate, to facilitate the use of the frequency bands 17.7-18.6 GHz and 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 non-GSO FSS earth stations in motion, while ensuring due protection of existing services in those frequency bands, in accordance with Resolution 173 (WRC 19); WRC Agenda Item 1.17: to determine and carry out, on the basis of the ITU R studies in accordance with Resolution 773 (WRC 19), the appropriate regulatory actions for the provision of inter-satellite links in specific frequency bands, or portions thereof, by adding an inter-satellite service allocation where appropriate;

WRC Agenda Item 1.18: to consider studies relating to spectrum needs and potential new allocations to the mobile-satellite service for future development of narrowband mobile-satellite systems, in accordance with Resolution 248 (WRC 19); WRC Agenda Item 1.19: to consider a new primary allocation to the fixed-satellite service in the space-to-Earth direction in the frequency band 17.3-17.7 GHz in Region 2, while protecting existing primary services in the band, in accordance with Resolution 174 (WRC 19); 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 further resolves of Resolution 27 (Rev.WRC 19), and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in resolves of that Resolution; 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 19), 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, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary

Conference, on 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 the 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 19); 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, Topic A: in accordance with Resolution 657 (Rev.WRC 19), review the results of studies relating to the technical and operational characteristics, spectrum requirements and appropriate radio service designations for space weather sensors with a view to describing appropriate recognition and protection in the Radio Regulations without placing additional constraints on incumbent services; WRC Agenda Item 9, Topic B: review of the amateur service and the amateur-satellite service allocations in the frequency band 1 240 1 300 MHz to determine if additional measures are required to ensure protection of the radionavigation-satellite (space-to- Earth) service operating in the same band in accordance with Resolution 774 (WRC 19); WRC Agenda Item 9, Topic C: study the use of International Mobile Telecommunication system for fixed wireless broadband in the frequency bands allocated to the fixed services on primary basis, in accordance with Resolution 175 (WRC 19); WRC Agenda Item 9, Topic D: Protection of EESS (passive) in the

frequency band 36- 37 GHz from non-GSO FSS space stations (WRC-19 Doc. 535, 2nd section of the Annex); 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 items for the preliminary agenda of future conferences, in accordance with Article 7 of the Convention and Resolution 804 (Rev.WRC 19), (see e.g., Resolution 812 (WRC-19))

**20b. How does the Committee balance its membership?**

As provided in the Committee's Membership Balance Plan, the FCC released a Public Notice to solicit candidates from interested parties and encouraged membership applications from many groups. It is anticipated that the Committee will be comprised of individuals from both the public and private sectors with specific interest, expertise or experience as it relates to the questions before the Committee, including wireless communications infrastructure and equipment, telecommunications, broadcasting, and other telecommunications services, consumer advocacy and underserved populations (e.g. persons living in rural areas and tribal communities). Since the Committee's recommendations will affect international frequency spectrum, the FCC will strive to develop Committee membership that represents views across the industry. Additional membership considerations may include individuals who possess expertise valuable to the Committee's work, but who do not represent an organization, institution, or entity. Membership balance is not static, as we expect that the expertise or



experience relevant to the mission and function of this Committee may change over time, depending on the work of the Committee. The Committee structure will include Informal Working Groups (IWGs) on which subject matter experts from interested organizations including maritime, aeronautical, radar, terrestrial and mobile services will review and make recommendations regarding those WRC-23 agenda items affecting their industry segment. After we review the applications for membership, we will appoint in a representative capacity those individuals who are intended to represent the views of their employers or the institutions or groups on which they serve. On the other hand, to the extent that the individual is appointed for the person's specific expertise and knowledge, rather than to represent the views of an employer or other entity, such an individual would be appointed as a Special Government Employee.

**20c. How frequent and relevant are the Committee Meetings?**

The informal and ad hoc working groups meet several times a year, with meeting frequency increasing as a World Radiocommunication Conference approaches. The Committee as a whole meets when the work product of the working groups is mature for consideration for approval or when other business, such as the scheduling or occurrence of significant international preparatory meetings, requires it to meet. The Committee is an essential component of the United States' preparations for WRC-23.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

The Committee offers the only open forum where competing spectrum users develop proposals in

cooperation with FCC and other government staff. This group prepares studies, preliminary views, proposals, and other international contributions in real time so that it can respond to technical developments, international meeting outcomes, and foreign proposals and positions. The Commission does not have all of the expertise nor the resources necessary to competently, timely and effectively accomplish this task without direct and ongoing input from the experts from potentially affected industries and other users.

**20e. Why is it necessary to close and/or partially closed committee meetings?**

N/A

**21. Remarks**

**Designated Federal Officer**

Dante Ibarra Electronics Engineer

<b>Committee Members</b>	<b>Start</b>	<b>End</b>	<b>Occupation</b>	<b>Member Designation</b>
Adeuyi, Francisca	06/14/2022	03/31/2024	Spire Global, Inc.	Representative Member
Alvarez, Amy	07/01/2020	03/31/2024	AT&T	Representative Member
Baruch, Stephen	06/15/2020	03/31/2024	GPS Innovation Alliance (GPSIA)	Representative Member
Baum, Kim	08/29/2022	03/31/2024	OneWeb	Representative Member
Briskman, Robert	08/17/2020	03/31/2024	Sirius XM Radio	Representative Member
Carlson, Jared	07/23/2020	03/31/2024	Ericsson	Representative Member
Chaves, Fabiano	07/01/2020	03/31/2024	Nokia	Representative Member
Ciaudelli, Joe	06/15/2020	03/31/2024	Sennheiser	Representative Member
Cramer, Joseph	06/14/2022	03/31/2024	Boeing Company	Representative Member
Creaser, Giselle	07/01/2020	03/31/2024	Intelsat	Representative Member
Daum, Michael	06/14/2022	03/31/2024	Microsoft	Representative Member

Dumit, Pascale	07/01/2020	03/31/2024	T-Mobile	Representative Member
Epshteyn, Alex	11/13/2020	03/31/2024	Amazon	Representative Member
Henriques, Humberto	03/30/2021	03/30/2024	AST Science	Representative Member
Henry, Ryan	06/14/2022	03/31/2024	SES Americom	Representative Member
Hinckley, Catherine	09/22/2021	03/31/2024	Telesat	Representative Member
Jansky, Donald	07/01/2020	03/31/2024	Maxar Technologies Inc.	Representative Member
John, George	06/14/2022	03/31/2024	Association of American Railroad (AAR)	Representative Member
Kilfeather, James	06/15/2022	03/31/2024	Globalstar	Representative Member
Kotler, Scott	07/01/2020	03/31/2024	Lockheed Martin	Representative Member
Kubik, Robert	07/01/2020	03/31/2024	Samsung	Representative Member
Lawrence, Tatiana	07/01/2020	03/31/2024	Iridium	Representative Member
Lewis, Michael	07/01/2020	03/31/2024	Motorola Solutions	Representative Member
Libin, Louis	11/13/2020	03/31/2024	One Media 3.0, LLC	Representative Member
Madigan, John	07/07/2022	03/31/2024	New Line Networks	Representative Member
Manner, Jennifer	06/15/2020	03/31/2024	EchoStar	Representative Member
Mansergh, Dan	07/23/2020	03/31/2024	Apple	Representative Member
Meme, Daudeline	07/01/2020	03/31/2024	Verizon	Representative Member
Moorut, Prakash	06/14/2022	03/31/2024	Shure	Representative Member
Mullinix, Michael	06/14/2022	03/31/2024	CTIA	Representative Member
Murphy, Chris	06/14/2022	03/31/2024	Viasat	Representative Member
Paoletta, Patricia	07/23/2020	03/31/2024	Meta Platform Inc.	Representative Member
Paroutsas, Aspa	06/14/2022	03/31/2024	Qualcomm	Representative Member
Pineres, Danielle	06/14/2022	03/31/2024	Planet Labs PBC (Planet)	Representative Member
Rawat, Veena	07/01/2020	03/31/2024	GSMA	Representative Member
Roy, Andrew	06/15/2022	03/31/2024	Aviation Spectrum Resources Inc. (ASRI)	Representative Member

Roytblat, Alexander	06/15/2020	03/31/2024	Wi-Fi Alliance	Representative Member
Scarpelli, Brian	07/23/2020	03/31/2024	ACT   The App Association	Representative Member
Scott, Andy	06/15/2020	03/31/2024	NCTA The Internet & Television Association	Representative Member
Siverling, Jonathan	07/01/2020	03/30/2024	American Radio Relay League	Representative Member
Stancavage, Jayne	07/01/2020	03/31/2024	Intel Corporation	Representative Member
Tramont, Bryan	08/24/2020	03/31/2024	Technology Policy Institute (TPI)	Representative Member
Valcourt, Ardonny	04/02/2021	03/30/2024	OneWeb	Representative Member
Weller, Robert	06/15/2020	03/31/2024	National Association of Broadcasters (NAB)	Representative Member

**Number of Committee Members Listed: 44**

**Narrative Description**

The committee’s work in drafting U.S. preliminary views and proposals for World Radiocommunication Conferences furthers the FCC’s mission to ensure that the American people have available – at reasonable costs and without discrimination – rapid, efficient, nation- and world-wide communication services. Its work enhances the preparation for, and the outcome of, these conferences by facilitating early discussions on the issues on the conference agenda at bilateral, regional, and ITU-R preparatory meetings. This in turn fosters the ultimate adoption of international regulatory policies that support the FCC’s mission to promote competition, innovation and investment in global radiocommunication services (e.g., broadband) and make more efficient and effective use of the spectrum by encouraging the transition to digital services and other innovative spectrum efficient technologies.

**What are the most significant program outcomes associated with this committee?**

Checked if Applies

Improvements to health or safety



Trust in government	<input checked="" type="checkbox"/>
Major policy changes	<input checked="" type="checkbox"/>
Advance in scientific research	<input type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input checked="" type="checkbox"/>
Increased customer satisfaction	<input checked="" type="checkbox"/>
Implementation of laws or regulatory requirements	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/>

**Outcome Comments**

With the next World Radiocommunication Conference (WRC-23), the focus in FY22 was on rechartering and preparing draft proposals in order to facilitate discussion at regional and international preparatory meetings with the objective of achieving early international support that will improve the likelihood of our success at WRC-23.

**What are the cost savings associated with this committee?**

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

**Cost Savings Comments**

NA

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

540

**Number of Recommendations Comments**

In FY 2022 the Committee has produced 18 recommendations in the form of 15 proposals and 3 views/preliminary views. The full committee held two meetings in FY 2022. The

FCC has generally supported most of the committee's recommendations that were produced

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

76%

**% of Recommendations Fully Implemented Comments**

The percentage above represents the total number of the committee's recommendations that were fully accepted by the FCC, the National Telecommunications and Information Administration (NTIA), and the Department of State. They became U.S. Preliminary Views and Draft Proposals that were presented at the meetings of Permanent Consultative Committee II on Radiocommunications including Broadcasting under the auspices of the Inter-American Telecommunications Commission (CITEL) and became part of regional common proposals or U.S. Proposals that were submitted to the International Telecommunication Union (ITU) for consideration at WRCs.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

100%

**% of Recommendations Partially Implemented Comments**

All of the committee's recommendations in this category were at least partially accepted by the FCC, the National Telecommunications and Information Administration (NTIA), and the Department of State. They were incorporated into the U.S. Preliminary Views and Draft Proposals that were presented at the meetings of CITEL. They became regional common proposals or U.S. Proposals that were submitted to the International Telecommunication Union (ITU) for consideration at WRCs.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes  No  Not Applicable

**Agency Feedback Comments**

Feedback is provided by the DFO or other agency representatives at the meetings of the committee. Public notices of the committee's recommendations are issued together with the FCC's views as to the recommendations that it can support and those that may be inconsistent with its policy. Each public notice and the public comments thereto are also available to the public and the committee at the FCC's Reference Information Center and

in FCC Docket No. 16-185 that is accessible via the Internet.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

	Checked if Applies
Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input checked="" type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

**Action Comments**

The committee's recommendations receiving the support of the FCC, the National Telecommunications and Information Administration (NTIA), and the Department of State become part of the United States Preliminary Views and Draft Proposals that are presented at regional and international preparatory meetings held in advance of the 2023 World Radiocommunication Conference. At these meetings, the U.S. contributions are discussed with other administrations with a view of gaining early international support. Regional common proposals and administrations' proposals are considered at the 2023 World Radiocommunications Conference (WRC-23). If these proposals are adopted at WRC-23, they become a part of the international Radio Regulations that have treaty status and will eventually be implemented in the FCC Rules and Regulations.

**Is the Committee engaged in the review of applications for grants?**

No

**Grant Review Comments**

NA

**How is access provided to the information for the Committee's documentation?**

	Checked if Applies
Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/>

**Access Comments**

The Committee's documentation is also made available to the public at the FCC's Reference Information Center.