DRAFT MINUTES[[1]](#footnote-1)

**Minutes of the Fifth Meeting of the FCC**

**World Radiocommunication Conference Advisory Committee (WRC-19)**

Date/Time: April 23rd, 2018, at 11:00 a.m.

Location: Federal Communications Commission

Commission Meeting Room (TW-C305)

445 12th Street, S.W., Washington, D.C.

Committee Members Attending: See Appendix 1

Other Persons Attending: See Appendix 2

Meeting Summary:

**1. Opening Remarks**

Mr. Power welcomed everyone to the fifth meeting of the Committee. He thanked the members for their work and welcomed Chairman Pai to the meeting. Mr. Power noted that he was pleased to report that we have already completed over half of the proposals for the WRC-19 Agenda.

Chairman Pai thanked the Committee for their work to date. He noted that we are a year and a half away from the start of the Conference in Egypt and noted today’s meeting includes three proposals with separate views. Chairman Pai encouraged the Committee members to look for a common ground and consensus as we as a country stand a much better chance for success internationally when we present a clear, consistent and united message abroad. He noted we are now tackling the more difficult technical and regulatory challenges presented on the agenda, including NGSOs, use of spectrum above 275 GHz and 5G in the 37 – 43.5 GHz range. He noted that the Commission is steadfast in its support of the consumer and industry needs we represent domestically and internationally.

Mr. Power thanked Chairman Pai and also noted that we are getting into the more challenging part of our work and that we should look to make the FCC’s job easier by producing more consensus proposals.

Mr. Power indicated that the Committee would be considering eight new proposals, and that three of the proposals include two views which address the complexities of each of the Agenda Items.

Mr. Murphy thanked the FCC staff for the rechartering and membership process for the Advisory Committee.

**2. Approval of the Agenda**

The agenda, Document **WAC/049 (23.04.18)** was approved without change.

1. **Minutes of the Second Meeting**

The minutes of the third meeting, Document **WAC/048 (21.11.17)**, were approved.

1. **Re-Charter and Solicitation of Members, Structure**

Mr. Mullinix highlighted the Public Notice announcing the rechartering of the WRC-19 Advisory Committee and solicitation of members. The current status of membership that have cleared the vetting process are now included on the FCC website. Because of the interest, several member requests are still in the application process and the FCC will be providing additional information to these applicants as it becomes available. Because the process is still underway, any applicants that have not cleared the vetting process were encouraged to make comments on the Committee’s proposals either through the open meeting as observations or through the public notice process that immediately follows the meeting. The WAC charter presented in Document **WAC/003 (rev31.01.18)** is largely unchanged except for the Vice Chairmanship of IWG-3. Formerly held by Ms. Giselle Creeser, Mr. Zach Rosenbaum has agreed to fill in. Mr. Mullinix thanked Ms. Creeser for her service on the Committee.

Mr. Ken Keane provided a verbal statement highlighting his additional representation on several of the issues he represents on behalf of the federal government as a disclaimer to fellow WAC members.

1. **NTIA Draft Preliminary Views and Proposals**

Mr. Murphy invited Ms. Amy Sanders, the NTIA representative, to update the Committee on the Interdepartment Radio Advisory Committee (IRAC) process. Ms. Sanders indicated that the RCS has six draft proposals in Document **WAC/050 (10.04.18),** and that the document has been sent to the applicable IWG for its consideration. Ms. Sanders noted that NTIA looked forward to working towards final agreement in reconciliation.

Mr. Murphy noted Document **WAC/050 (10.04.18)**.

1. **IWG Status reports and Consideration of Preliminary Views**

**IWG-1: Maritime, Aeronautical and Radar Services**

Mr. Murphy introduced Mr. Cramer, Chair of IWG-1. Mr. Cramer outlined the issues that are under the purview of IWG-1 and reported that IWG-1 held two meetings since the last meeting of the Committee. He reported that IWG-1 focused on the consideration of a draft proposal on Agenda Item 1.10 that considered spectrum needs and regulatory provisions for the introduction and use of the Global Aeronautical Distress and Safety System (GADSS) in accordance with Res. 436. Mr. Cramer noted that this proposal was very much in line with the proposal submitted by the RCS.

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 (Rev.WRC-15)** – Draft Proposal, Document **WAC/051 (23.04.18)** was approved.

**IWG-2: Terrestrial Services**

Mr. Power recognized Ms. Stancavage, Vice Chair of IWG-2, which covers terrestrial issues, to present the report. She noted IWG-2 has met four times since the last WAC meeting. She noted that IWG-2 is still working on Agenda Item 1.13 additional bands, Agenda Item 1.14, Agenda Item 1.16 and Agenda Item 10.

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)** – Draft Proposal, Document **WAC/052 (23.04.18)**

Ms. Stancavage introduced Document **WAC/052.** The document was approved.

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)** – Draft Proposal (View A/View B), Document **WAC/053 (23.04.18)**

Ms. Stancavage introduced Document **WAC/053.** Mr. Mullinix noted that this document was produced as a View A / View B proposal and as such contains views including member names on the coversheet and within the proposals. Mr. Mullinix noted that these would be editorially updated to match the current membership list (as would the non-consensus proposals under Agenda Item 8 and 9.1.1.). These companies that are removed are welcomed to provide comments through the Public Notice process. The document was approved.

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) –** Draft Proposal, Document **WAC/054 (23.04.18)**

Ms. Stancavage introduced Document **WAC/054.** The document was approved.

Agenda Item 9.1, Issue 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 – Draft Proposal (View A/View B), Document **WAC/055 (23.04.18)**

Ms. Stancavage introduced Document **WAC/055.** Jeff Blum (DISH) requested that Dish supported View A of this document. The document was approved.

**IWG-3: Space Services**

Mr. Murphy introduced Mr. Wengryniuk, Chair of IWG-3, space services. He reported that IWG-3 held four meetings since the last meeting of the Committee. He noted that they are currently working on a draft proposal for Agenda Item 1.6 and that IWG-3 had observations and comments on the RCS proposals for Agenda Item 1.3 and 1.7 and will offer those views at the future WAC meeting.

**IWG-4: Regulatory Issues**

Mr. Murphy introduced the IWG-4 Chair, Ms. Manner. Ms. Manner indicated that IWG-4 has met several times since that last WAC. Ms. Manner noted that the group has begun reviewing the RCS proposals and will have further comments at a future WAC meeting.

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 – Draft Proposal, Document **WAC/056 (23.04.18)**

Ms. Manner introduced Document **WAC/056.** The document was approved.

Agenda Item 7, Issue K: Difficulties for Part B examinations under § 4.1.12 or 4.2.16 of RR Appendices 30 and 30A and § 6.21 c) of RR Appendix 30B – Draft Proposal, Document **WAC/057 (23.04.18)**

Ms. Manner introduced Document **WAC/057.** The document was approved.

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) – Draft Proposal (View A/View B), Document **WAC/058 (23.04.18)**

Ms. Manner introduced Document **WAC/058.** Ms. Manner noted that this document did not reach consensus. The document was approved.

Mr. Power thanked the Chairs and Vice Chairs for their presentations.

1. **Future Meetings**

Mr. Power referred to Document **WAC/004(rev.23.04.18)**, the timeline for the Committee’s work, and announced October 1, 2018 at 11 a.m., as the date of the sixth meeting of the Committee.

**8. Other Business**

Mr. Power asked if there were any additional comments.

Dr. Charles Rush publicly commented and offered his support for View A of Agenda Item 9.1.1 proposal and View B of Agenda Item 8. Mr. Mullinix invited any further comments through the Public Notice process.

Mr. Donald Jansky indicated that he too would like to offer his support for View A of Agenda Item 9.1.1 and requested clarification of the timeline for the membership application process.

Mr. Power asked if there were any other comments or any other business.

There being no other business, the meeting was adjourned at 11:30 a.m.

Documents Distributed:

WAC/003 WAC Structure

WAC/004 WRC-19 Preparatory Timeline

WAC/048 Draft Minutes of the Fourth WAC Meeting

WAC/049 Agenda of the Fifth WAC Meeting

WAC/050 NTIA Draft Preliminary View on Agenda Item 1.7

WAC/051 IWG-1 Draft Proposal Agenda Item 1.10

WAC/052 IWG-2 Draft Proposal Agenda Item 1.1

WAC/053 IWG-2 Draft Proposal Agenda Item 1.13

WAC/054 IWG-2 Draft Proposal Agenda Item 1.15

WAC/055 IWG-2 Draft Proposal Agenda item 9, Issue 9.1.1

WAC/056 IWG-4 Draft Proposal Agenda Item 1.4

WAC/057 IWG-4 Draft Proposal Agenda Item 7, Issue K

WAC/058 IWG-4 Draft Proposal Agenda Item 8

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**Appendix 1**

**World Radiocommunication Conference Advisory Committee Attendance**

**Fifth Meeting – April 23, 2018**

William K. Keane, Aerospace and Flight Test Radio Coordinating Council  
Jeffrey H. Blum, DISH Network Corporation  
Jack Wengryniuk, Inmarsat  
Winston Caldwell, 21st Century Fox  
Mark Racek, Ericsson  
Kelly Williams, National Association of Broadcasters  
Alexander Gerdenitsch, Intelsat Corporation  
Dr. Veena Rawat, GSMA  
Michael Daum, Microsoft Corporation  
Thomas C. Power, CTIA  
Cody Hogan, T-Mobile  
Dr. Michael J. Marcus, IEEE-USA  
Christopher J. Murphy, ViaSat, Inc.  
Jeffrey Marks, Nokia  
Joseph R. Dockemeyer, Aptiv  
John Prendergast, TMA  
Matt Botwin, SpaceX  
Kyle Entz, Sprint Corporation  
Scott Kotler, Lockheed Martin  
Timothy Strafford, AAR  
Jayne Stancavage, Intel Corporation  
Julie Zoller, Omnispace  
Kris Hutchinson, Aviation Spectrum Resources, Inc. (ASRI)

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**Appendix 2**

**World Radiocommunication Conference Advisory Committee Attendance**

**Fifth Meeting – April 23rd, 2018**

**FCC Representatives:**

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| Chairman Ajit Pai, FCC Rachael Bender, FCC Thomas Sullivan, FCC Dante Ibarra, FCC Allen Yang, FCC Jose Albuquerque, FCC Ron Marcelo, FCC Michael Mullinix, FCC Kelly O’Keefe, FCC |
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**Observers:**

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| Leslie Martinkoviks, Verizon Communications Inc. Amy L. Sanders, NTIA  Lauren Crean, Telecommuncations Management Group, Inc. (TMG) Donald M. Jansky, Jansky-Barmat Telecommunications Inc. Dr. Charles Einolf, Jr., CBS Corporation  Brennan Price, EchoStar Corporation  Jennifer Manner, EchoStar Corporation Patricia Paoletta, Harris, Wiltshire and Grannis LLP  Joeseph Cramer, The Boeing Company Robert Briskman, Sirius XM Radio, Inc.  Charles Rush, Special Government Employee (SGE) |

1. To be considered and approved at the 6th WAC meeting on October 1st, 2018. [↑](#footnote-ref-1)