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

**Minutes of the Fourth Meeting of the FCC**

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

Date/Time: October 30, 2017, 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 Fourth meeting of the Committee. He thanked the members for their work and welcomed Commission O’Rielly to the meeting and said that their presence demonstrated how important it is to strengthen U.S. positions ahead of the November 2017 CITEL meeting. Mr. Power congratulated the Committee on its work thus far, including leading to the first Inter-American Proposal at CITEL.

Commissioner O’Rielly thanked the Committee for its work to date and work to come. He indicated that he has been following the informal working groups and appreciates the willingness to compromise on controversial issues. He reflected on his experience at attending the recent CITEL meeting in Orlando, the need to reform the ITU to support its core mission and to support consumer’s demand for wireless services.

Mr. Power thanked Commissioner O’Rielly for his comments and the support the WAC receives from the 8th floor.

Mr. Power indicated that the Committee would be considering three new preliminary views and six proposals, and that two of the proposals include two views which address the complexities of each of the Agenda Items. He encouraged the members to reach consensus here at the WAC as it is the best way to strengthen the US position heading into the Conference in 2019.

**2. Approval of the Agenda**

The agenda, Document **WAC/037 (30.10.17)** was approved without change.

1. **Minutes of the Second Meeting**

The minutes of the third meeting, Document **WAC/036 (30.10.17)**, were approved.

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 one preliminary view on Agenda Item 1.7 in Document **WAC/038 (02.10.17),** 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 based on any agreed changes at the WAC meeting.

Mr. Murphy noted Document **WAC/038 (02.10.17)** containing the draft preliminary view received from NTIA.

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 three meetings since the last meeting of the Committee. He reported that IWG-1 focused on the consideration of a draft proposal on Agenda Item 1.8 that considered possible regulatory actions to support modernizing the Global Maritime Distress and Safety System (GMDSS). Mr. Cramer noted that this issue generated many discussions in IWG-1, and that members were not able to reach consensus on the proposal presented to the WAC. Mr. Cramer highlighted the differences between the two views, specifically noting Footnote 5.368 and the application of 4.10, a difference in frequency range, and Article 15 differences. Mr. Cramer highlighted the members supporting View A and View B.

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)** – Draft Proposal (View A/View B), Document **WAC/039 (30.10.17)**, was approved.

**IWG-2: Terrestrial Services**

Mr. Power recognized Ms. Paoletta, Vice Chair of IWG-2, which covers terrestrial issues, to present the report.

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 Preliminary View, Document **WAC/040 (30.10.17).**

Ms. Paoletta introduced Document **WAC/040.** The document was approved.

Agenda Item 9.1, Issue 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– Draft Proposal, Document **WAC/041 (30.10.17)**

Ms. Paoletta introduced Document **WAC/041**, a consensus proposal to the WAC, indicating that the Agenda Item is focused only on Regions 1 and Region 3. The document was approved.

Agenda Item 9.1, Issue 9.1.5: 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 — Draft Proposal (View A/View B), Document **WAC/042 (30.10.17)**

Ms. Paoletta introduced Document **WAC/042**, indicating IWG-2 spent the bulk of its time on this issue, with numerous discussions and offline calls. Ms. Paoletta indicated that IWG-2 could not come to consensus on a single proposal, and described the differences between View A and View B. The document was approved without comment.

**IWG-3: Space Services**

Mr. Murphy introduced Mr. Wengryniuk, Chair of IWG-3, space services. He reported that IWG-3 held three meetings since the last meeting of the Committee, and had two preliminary views and one draft proposal for the Committee to consider.

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)** — Draft Preliminary View, Document **WAC/043 (30.10.17)**

Mr. Wengryniuk noted IWG-3 spent a considerable amount of time revising this preliminary view provided by the RCS. He introduced some of the changes to the preliminary view indicating the industries that would be potentially impacted by this regulatory change. The document was approved.

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)** — Draft Preliminary View, Document **WAC/044 (30.10.17)**

Mr. Wengryniuk introduced Document **WAC/044,** indicating only minor changes from the RCS preliminary view provided to IWG-3. The document was approved.

Agenda Item 9.1, Issue 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 — Draft Proposal, Document **WAC/045 (30.10.17)**

Mr. Wengryniuk noted that based on the preliminary draft IAP under consideration at CITEL (supported by Brazil, Canada) advocating no change, IWG-3 sought to align itself with that proposal. The document was approved.

**IWG-4: Regulatory Issues**

Mr. Power introduced the IWG-4 Chair, Ms. Manner. Ms. Manner indicated that IWG-4 has met four times since that last WAC.

Agenda Item 7, Issue E: Harmonization of RR Appendix **30B** with RR Appendices **30** and **30A** — Draft Proposal, Document **WAC/046 (30.10.17)**

Ms. Manner introduced Document **WAC/046** for a no change proposal for Region 2. The document was approved.

Agenda Item 7, Issue G: Updating the reference situation for networks under RR Appendices **30** and 30A when provisional recording is used*.* — Draft Proposal, Document **WAC/047 (30.10.17)**

Ms. Manner introduced Document **WAC/047**for a no change proposal for Region 2. 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.30.10.17)**, the timeline for the Committee’s work, and announced April 23, 2018 at 11 a.m., as the date of the fifth meeting of the Committee.

Mr. Wengryniuk, AT&T, noted the changes in the start date for the next ITU-R Working Party 4A meeting.

Mr. Power noted that we will have two more WAC meetings before the CITEL “limit meeting,” so we expect to have a number of proposals for consideration at these upcoming WAC meetings.

**7. Other Business**

Mr. Murphy asked if there were any additional comments. Hearing none, he introduced Mr. Mullinix.

Mr. Mullinix provided two announcements to the WAC. First, Mr. Mullinix introduced Mr. Ron Marcelo, International Bureau (FCC) who would be stepping in to assist the WAC preparations following Ms. Donna Christianson’s retirement from the Commission. Mr. Mullinix thanked Ms. Christianson for her years serving as the WAC Secretariat, coordinating all of the efforts behind the scenes and her outstanding government service for over 20 years. Ms. Christianson was presented a plaque commemorating her accomplishments.

Mr. Murphy congratulated Ms. Christianson and welcomed Mr. Marcelo to the process.

Mr. Murphy 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/004 WRC-19 Preparatory Timeline

WAC/036 Draft Minutes of the Third WAC Meeting 14.04.17

WAC/037 Agenda of the Fourth Meeting 30.10.17

WAC/038 NTIA Draft Preliminary View on Agenda Item 1.7

WAC/039 IWG-1 Draft Proposal Agenda Item 1.8

WAC/040 IWG-2 Draft Preliminary View Agenda Item 9, Issue 9.1.1

WAC/041 IWG-2 Draft Proposal Agenda Item 9, Issue 9.1.2

WAC/042 IWG-2 Draft Proposal Agenda item 9, Issue 9.1.5

WAC/043 IWG-3 Draft Preliminary View Agenda Item 1.3

WAC/044 IWG-3 Draft Preliminary View Agenda Item 1.7

WAC/045 IWG-3 Draft Proposal Agenda Item 9.1, Issue 9.1.3

WAC/046 IWG-4 Draft Proposal Agenda Item 7, Issue E

WAC/047 IWG-4 Draft Proposal Agenda Item 7, Issue G

MINUTES

**Appendix 1**

**World Radiocommunication Conference Advisory Committee Attendance**

**Fourth Meeting – October 30, 2017**

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| Maqbool Aliani, Ligado Networks  Reza Arefi, Intel Corp. |
| Kim Baum, SES Americom |
| Winston Caldwell, 21st Century Fox |
| David Case, Cisco  Joseph Cramer, Boeing |
| Giselle Creeser, Inmarsat |
| Michael Daum, Microsoft  Dave Case, Cisco  Charles Einolf, CBS |
| Kyle Entz, Sprint |
| Alexander Gerdenitsch, Intelsat |
| Kris Hutchison, Aviation Spectrum Resources, Inc. |
| Don Jansky, Jansky-Barmat Telecommunications |
| William K. Keane, Aerospace and Flight Test Radio Coordinating Council |
| Scott Kotler, Lockheed Martin |
| Damon Ladson, Harris Wiltshire Grannis |
| Kathryn Martin, Access Partnership  Jennifer Manner, EchoStar  Leslie Martinkovics, Verizon |
| Christopher Murphy, ViaSat |
| Patricia Paoletta, Harris Wiltshire Grannis  Tom Power, CTIA  John Prendergast, CSAA |
| Andy Scott, National Cable and Telecommunications Association |
| Robert Weller, National Association of Broadcasters |
| Jack Wengryniuk, AT&T |

**MINUTES**

**Appendix 2**

**World Radiocommunication Conference Advisory Committee Attendance**

**Fourth Meeting – October 30, 2017**

**FCC Representatives:**

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| --- |
| Jose Albuquerque, FCC  Louis Bell, FCC |
| Dante Ibarra, FCC  Olga Madruga-Forti, FCC |
| Ron Marcelo, FCC  Michael Mullinix, FCC  Michael O’Rielly, FCC  Thomas Sullivan, FCC  Allen Yang, FCC |
|  |

**Observers:**

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| Lauren Crean, TMG  Bill Davenport, Ligado  James Gigrich, Heysight Technologies  Halak Mehta, Access Partnership  Amy Sanders, NTIA  Joanne Wilson, ASRC representing NASA  Donna Christianson |

1. To be considered and approved at the 5th WAC meeting on April 23rd, 2018. [↑](#footnote-ref-1)