

FINAL MINUTES

Minutes of the Seventh Meeting of the FCC Advisory Committee for the 2015 World Radiocommunication Conference (WRC-15)

Date/Time: December 17, 2014, 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. Harris welcomed everyone to the meeting and recognized that all of the Committee's Informal Working Groups (IWGs) have made excellent progress since the last Committee meeting. He reminded everyone that the Committee is in the final stage of its preparation for the November 2015 Conference.

2. Approval of the Agenda

The agenda, Document **WAC/096(17.12.14)**, was approved without change.

3. Minutes of the Sixth Meeting

The minutes of the sixth meeting, Document **WAC/093(27.08.14)**, were approved.

4. NTIA Draft Preliminary Views and Proposals

Ms. Manner stated that the Federal Agencies had also made significant progress in their work recognized Mr. Patten from NTIA and invited Mr. Patten, the Acting Vice Chair of NTIA's Radio Conference Subcommittee (RCS), to update the Committee on NTIA's work.

Mr. Patten reported that NTIA has continued to consider Federal Agency input to the development of proposals for the work of the Conference that have been forwarded to the Committee. Mr. Patten briefly summarized the proposals contained in Documents **WAC/094/095/097 and /098(17.12.14)**. He noted that Mr. Charles Glass is the primary contact at NTIA and announced that the next

meeting of the RCS is January 8, 2015.

5. IWG Status reports and Consideration of Preliminary Views and Draft Proposals

IWG-1: Maritime, Aeronautical and Radar Services

Mr. Harris called upon Mr. Hutchison to report on the work of IWG-1.

Mr. Hutchison, Vice Chair of IWG-1, reported that IWG-1 had met once since the last Committee meeting and had one draft proposals for consideration by the Committee.

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 — Draft Proposal, Document **WAC/103(17.12.14)**, proposed modifications to NTIA’s proposal contained in Document **WAC/098(17.12.14)**, was approved.

Mr. Hutchison advised that the next meeting of IWG-1 has not been scheduled.

IWG-2 – Terrestrial Services

Ms. Manner noted that IWG-2 Chairs were unable to participate in this WAC meeting. In their absence, Ms. Manner asked the FCC coordinator to IWG-2, Dante Ibarra, to report on the status report of the work of the IWG.

Mr. Ibarra reported that IWG-2 had two documents for the Committee’s consideration and that the group had met twice since the last meeting of the Committee.

Mr. Ibarra reported that IWG-2 was unable to reach consensus on a proposal under Agenda Item 1.1 with respect to the 3400-4200 MHz and 4500-4800 MHz bands. In light of the disagreement, IWG-2 proposed two views to the Committee.

View A, supported by 21st Century Fox, Inc., ARRL, Aviation Spectrum Resources, Inc., CBS, Inc., EchoStar Corporation, Inmarsat, Intelsat, Lockheed Martin Corp., National Association of Broadcasters, New Wave Spectrum Partners LLC, Satellite Industry Association, SES Americom, The Boeing Company, Time Warner, Inc., and Viacom, Inc., proposes No Change (NOC) to the identified bands.

View B, proposes that the U.S. identify the bands 34000-3800 MHz for IMT, was supported by Alcatel-Lucent, AT&T, Ericsson, GSMA, Intel Corporation, Motorola Mobility, Nokia Solutions and Networks, Samsung, Sprint Corporation, Telecommunications Management Group Inc. and Verizon. View B did not address the 4500-4800 MHz band and View B

proponents are not in a position to make a proposal on this band.

Agenda Item 1.1: to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution **233 (WRC-12)** — Draft Proposals for the bands 3400-4200 MHz and 4500-4800 MHz, Document **WAC/099(17.12.14)**, was approved.

Agenda Item 1.3: to review and revise Resolution 646 (Rev.WRC-12) for broadband public protection and disaster relief (PPDR), in accordance with Resolution 648 (WRC-12). Mr. Ibarra noted that IWG-2 considered the NTIA proposal contained in Document **WAC/094(17.12.14)** but chose to advocate the proposal in Document **WAC/100(17.12.14)** — Draft Proposal, Document **WAC/100(17.12.14)**, was approved.

IWG-2 does not have any meetings scheduled at this time.

IWG-3 – Space Services

Mr. Harris called upon IWG-3 Chair Mr. Wengryniuk to provide the status report on the work of IWG-3.

Mr. Wengryniuk reported that IWG-3 had met twice since the last meeting of the Committee and had one draft proposal for consideration by the Committee.

Mr. Wengryniuk stated that the IWG-3 had previously considered the NTIA proposal for Agenda Item 1.12 contained in Document **WAC/059(27.01.14)** and had produced its revised version of NTIA's proposal in Document **WAC/073(27.01.14)**. At the thirteenth meeting of IWG-3 on June 11, 2014, Mimosa Networks, Inc. submitted a proposal to reopen the proposal. IWG-3 discussed possible revisions to the proposal were discussed and lead to two non-consensus positions in IWG-3 that could not be resolved. View A, a proposal that the previous proposal of the Agenda Item should stand and View B, a proposal to add the United States to Footnote 5.480.

Agenda Item 1.12: to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300 – 9 900 MHz by up to 600 MHz within the frequency bands 8 700 – 9 300 MHz and/or 9 900 – 10 500 MHz, in accordance with Resolution **651 (WRC-12)** — Draft Proposal, Document **WAC/101(17.12.14)**, was approved.

Mr. Wengryniuk reported that NTIA's proposal regarding Agenda Item 1.5, contained in Document **WAC/094(17.12.14)**, was received by IWG-3 after a reconciled proposal on Agenda Item 1.5 was put forward in CITELE and therefore IWG-3 did not consider NTIA's proposal.

He also reported that IWG-3 supports and agrees with NTIA's proposal on Agenda Item 1.9.1 contained in Document **WAC/097(17.12.14)**.

IWG-4 – Regulatory Issues

Ms. Manner invited the Chair of IWG-4, Mr. Baruch, to report on progress of the work of the IWG.

Mr. Baruch reported that IWG-4 has met twice since the last meeting of the Committee and had one proposal for consideration by the Committee.

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)** to facilitate rational efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit

Issue E: Failure of a satellite during the ninety-day bringing into use period — Draft Proposal, Document **WAC/102(17.12.14)**, proposed modifications to NTIA's proposal contained in Document **WAC/097(17.12.14)**, was approved.

Mr. Baruch reported that IWG-4 approved NTIA's draft proposal for Agenda Item 9.1.2 contained in Document **WAC/097(17.12.14)**.

He advised that NTIA's proposal for Agenda Item 9 contained in Document **WAC/094(17.12.14)** was received after a reconciled proposal was taken to CITELE. Therefore, Document **WAC/094(17.12.14)** was noted in IWG-4 but no action was taken.

Mr. Baruch noted that NTIA's proposal with respect to Agenda Item 9.1.8 contained in Document **WAC/095(17.12.14)** is nearly identical to IWG-4's draft proposal contained in Document **WAC/092(27.08.14)** and if IWG-4 needs to take-up this proposal it will do so.

6. Future Meetings

Mr. Harris referred to Document **WAC/004(Rev. 17.12.14)**, the updated timeline for the Committee's work. He announced that the eighth, and presumably final meeting of the Committee, is tentatively scheduled for May 20, 2015.

7. Other Business

There being no other business, the meeting was adjourned.

Documents Distributed:

WAC/004 WRC-15 Preparatory Timeline
WAC/093 Draft minutes of the Sixth Meeting August 27, 2014
WAC/094 Letter, 17 September 2014, Draft Proposal for WRC-15 Agenda Items 1.3,
 1.5 and 9
WAC/095 Letter, 10 October 2014, Draft Proposal for WRC-15 Agenda Item 9.1.8
WAC/096 Agenda for 7th WRC-15 Advisory Committee Meeting
WAC/097 Letter, 21 November 2014, Draft Proposal for WRC-15 Agenda Items 1.9.1,
 7, and 9.1.2
WAC/098 Letter, 24 November 2014, Draft Proposal for WRC-15 Agenda Item 10
WAC/099 IWG-2, Draft Proposal Agenda Item 1.1 for the bands 3400-4200 MHz and
 4500-4800 MHz
WAC/100 IWG-2 Draft Proposal Agenda Item 1.3
WAC/101 IWG-3, Draft Proposal Agenda Item 1.12
WAC/102 IWG-4 Draft Proposal Agenda Item 7, Issue E: Failure of a satellite during
 the ninety-day bringing into use period
WAC/103 IWG-1 Draft Proposal Agenda Item 10

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Appendix 1
WRC-15 Advisory Committee Attendance
Seventh Meeting – December 17, 2014

Stephen Baruch, New Wave Spectrum Partners LLC
Christopher Bjornson, Steptoe and Johnson
M. Winston Caldwell, 21st Century Fox
David Case, Cisco Systems, Inc.
Joseph R. Dockemeyer, Delphi
Kyle Entz, Sprint Corporation
Alex Epshteyn, Intelsat
Scott Blake Harris, Harris Wiltshire Grannis LLP
Kris Hutchison, Aviation Spectrum Resources, Inc.
Jennifer Manner, EchoStar
Leslie Martinkovics, Verizon
Brian Scarpelli, Telecommunications Industry Association
Jack Wengryniuk, DirecTV

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Appendix 2

WRC-15 Advisory Committee – FCC Representatives and Observers Seventh Meeting – December 17, 2014

FCC Representatives:

Alexander Roytblat, FCC
Dante Ibarra, FCC
Donna Christianson, FCC
Michael Mullinix, FCC
Larry Olson, FCC
Rasoul Safavian, FCC

Observers:

Pasquale Amodio, EchoStar
Reza Arefi, Intel
Robert Briskman, Sirius XM
Mike Calabrese, News America
Joe Cramer, The Boeing Company
Pascale Dumit, SES
Charles Einolf, CBS
Don Jansky, Jansky-Barmat Telecommunications
Scott Kotler, Lockheed Martin
Damon C. Ladson, Harris, Wiltshire & Grannis LLP
Kathryn Martin, Access Partnership representing Mimosa
Networks, Inc.
Kelly O'Keefe, Access Partnership
Brian Patten, NTIA
Andrew Roy, Aviation Spectrum Resources, Inc.
Dileep Srihari, Telecom Industry Association
Joanne Wilson, ASRC representing NASA