**Meeting Minutes**

Meeting: IWG-2 (Meeting 14)

Date/Time: Wednesday, September 13, 2017 1:00 –3:00 p.m. EDT

Location: Conference call

Committee Members & Observers Present:

Chair: Jayne Stancavage (Intel Corporation)

Vice-Chair: Tricia Paoletta (Harris, Wiltshire and Grannis LLP)

For additional members and observers present, see attached Appendix A.

FCC Employees Present:

Michael Mullinix, Designated Federal Official (DFO) for WAC-19

Meeting Summary:

1. Approval of Agenda:

IWG-2 Chair Jayne Stancavage introduced the agenda in Document **IWG-2/050 (13.09.17)**.The agenda was approved.

1. FCC Reps, Opening Remarks and Introductions:

Michael Mullinix, DFO for WAC-19, confirmed his presence on the call.

The Chair requested that members and observers participating in the call send her and Vice-chair Tricia Paoletta an email message indicating their presence on the call.

1. Approval of minutes from previous IWG-2 meeting:

The minutes of the ninth meeting as contained in **Document IWG-2/049r1 (12.09.17)** were approved by unanimous consent.

1. Discussion of Draft IWG-2 Preliminary Views and Proposals:
2. Agenda Item 1.15 275-450 GHz – Document **IWG-2/048 (24.08.17)** – The chair noted that the author of the document was not on the call and that we still have some comments provided at the last meeting which have not been addressed yet. The document was tabled and the topic will be addressed at the next IWG-2 meeting.
3. Issue 9.1.1- IMT ~ 2 GHz -Document **IWG-2/041r1 (28.08.17)**- Brennan Price, Echostar, noted that after the discussion at the last meeting, they would like to retain the broader language regarding the services rather than the IMT components. There was a brief discussion regarding this topic as well as scope of the Resolution. It was noted that some revisions are also needed to align with WRC formatting. The document was tabled and the topic will be addressed at the next meeting.
4. Issue 9.1.2 - 1 452-1 492 MHz, R1 and R3- Document **IWG-2/051(13.09.17)-** Dr. Charles Rush, SGE, introduced the document and noted that the footnote should be revised from **No.** 5.346B to 5.341B. Ken Keane, AFTRCC, requested that a parenthetical be added to the top of the second page “(see e.g. **No.** 5.343)” It was also noted that this is an “issue” not an “agenda item”. A revised version of the document will be considered at the next meeting.
5. Issue 9.1.5 RLAN in 5 GHz- Document **IWG-2/033r1 (05.04.17)**. Scott Kotler, Lockheed Martin, noted that there are some editorial revisions needed to align with WRC-19 formatting. Disposition of the document is to be determined in conjunction with **Document** **IWG-2/040r3 (25.08.17).**
6. Issue 9.1.5 RLANs in 5 GHz- Document **IWG-2/040r3 (25.08.17) –** Scott Kotler, Lockheed Martin, noted that he has been in discussions with some of the interested parties and that he intends to provide a revision which would retain the incorporation by reference to Rec. ITU-R M.1638-0, incorporate Rec. ITU-R M.1849-1, and address Rec. ITU-R M.1638-1 through a revision of the Resolution. Alexander Roytblat, Wi-Fi Alliance, noted that he appreciates the efforts to find a solution but that we do not have consensus with this approach. There was a discussion on incorporation by reference and which aspects make something mandatory. Interested parties were invited to provide their views on mandatory/ incorporated by reference to asked to see if a consensus regulatory solution could be found. If consensus cannot be reached, the Issue 9.1.5 documents will be merged into a non-consensus document with View A and View B to the upcoming WAC meeting in October.
7. Update on Current Status:

The Chair noted that a table providing an overview of the current status of IWG-2 work is available in the agenda. Brennan Price, Echostar, noted that he was likely to provide a draft proposal on Issue 9.1.1 soon. Mike Marcus, IEEE-SA, noted that he is still seeking to get some key technical parameters.

1. Next meetings:
2. The next IWG-2 meetings will be held the week of October 2nd and October 16th. Information will be distributed via the reflector and public notice.
3. The next WAC meeting will be held on October 30, 2017.

Documents Distributed:

IWG-2/033r1 AI 9.1/Issue 9.1.5 draft proposal

IWG-2/040r3 AI 9.1/Issue 9.1.5 draft proposal (#2)

IWG-2/041r1 AI 9.1/Issue 9.1.1 draft preliminary view

IWG-2/048 AI 1.15 draft proposal

IWG-2/049r1 Meeting 13 minutes

IWG-2/050 Meeting 14 agenda

IWG-2/051 AI 9.1.1/Issue 9.1.2 draft proposal

Public Participation Statement:

Meeting IWG-2/14 (13.09.2017) was open to the public ([DA 17-781](https://www.fcc.gov/document/wrc-19-advisory-committee-meetings-informal-working-groups-1)) and had 22 members, 7 observers, 2 IWG-2 officials and 1 FCC employee in attendance.

Author:

Jayne Stancavage, IWG-2 chair, prepared these minutes.

**Appendix A: Additional Attendees at September 13, 2017** **meeting of IWG-2**

**Members**

| **Organization** | **Member Name** |
| --- | --- |
| Aerospace and Flight Test Radio Coordinating Council | William K. Keane |
| ARRL | Jonathan Siverling |
| Aviation Spectrum Resources, Inc. | Gregory Baker |
| The Boeing Company | Alex Epshteyn |
| CBS Corporation | Dr. Charles Einolf |
| Cisco Systems, Inc. | David Case |
| Comcast | Bruce Kostreski |
| EchoStar Corporation | Brennan Price |
| GSMA | Dr. Veena Rawat |
| IEEE-USA | Michael J. Marcus |
| Intel | Reza Arefi |
| Intelsat | Alexander Gerdenitsch |
| Jansky-Barmat Telecommunications Inc. | Donald M. Jansky |
| Keysight Technologies, Inc. | Dr. James Gigrich |
| Lockheed Martin | Scott Kotler |
| Microsoft Corporation | Michael Daum |
| National Association of Broadcasters | Robert Weller |
| National Cable & Telecommunications Association | Andy Scott |
| New Wave Spectrum Partners LLC | Stephen Baruch |
| Telecommunications Management Group, Inc. | Geraldo Neto |
| Verizon | Alexander Gerdenitsch |
| Wi-Fi Alliance Assoc. | Alexander Roytblat |

**Observers**

1. Bob Denny, NTIA
2. Ed Ehrlich, Interdigital
3. Shelli Rose Haskins, ACES
4. Bruce Lamb, NTIA
5. Amy Sanders, NTIA
6. Tim Strafford, Assoc. of American Railroads
7. Joanne Wilson, ASRC Federal Technical Services for NASA