**Meeting Minutes**

Meeting: IWG-2 (Meeting 13)

Date/Time: Wednesday, August 30, 2017 1:00 – 2:25 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

Dante Ibarra, Chief, International Radiocommunication Branch, International Bureau

Michael O’Rielly, Commissioner

Allen Yang, International Bureau

Meeting Summary:

1. Approval of Agenda:

IWG-2 Chair Jayne Stancavage introduced the agenda in Document **IWG-2/047 (30.08.17).** 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-2/046 (20.06.17)** were approved by unanimous consent, with the amendment that the approval of minutes from the previous meeting should be labeled as the 12th meeting.

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)** – Dr. Michael J. Marcus, IEEE-USA, introduced Document **IWG-2/048 (24.08.17)** and was supported by Dr. Gerhard S. Schoenthal, Virginia Diodes, Inc., and Dr. James Gigrich, Keysight Technologies, Inc. The Chair noted that some comments have been provided to the author via email concerning the format of the proposal. Discussions on the document revolved around the following points: 1) Some information about existing systems (e.g. NASA) would be helpful. 2) Appropriate regulatory text instrument to utilize in the proposal section (e.g. footnote modification was suggested). It was noted that the format for proposals was provided in Document **IWG-2/005**.

The document was tabled and interested parties are invited to contact Dr. Marcus directly with suggestions. A revised proposal will be considered at the next meeting.

1. Issue 9.1.1- IMT ~ 2 GHz -Document **IWG-2/041r1 (28.08.17)**- Brennan Price, Echostar, noted that edits provided by Dr. Charles Rush have been incorporated into this revision. Don Jansky, Jansky Barmat, expressed support for the current revision. Discussions on the document mainly addressed ambiguous text in regards to whether the scope of the document is limited to the terrestrial and mobile satellite components of IMT or compatibility with the mobile and mobile satellite services in general, as well as formatting of background and issues information. Brennan Price agreed to follow up with the interested parties to clarify the language in consistency with ITU-R Resolution **212**.

The document was tabled for possible revisions to be considered at the next meeting.

1. Issue 9.1.5 RLANs in 5 GHz- Document **IWG-2/033r1 (05.04.17)** – Alexander Roytblat, Wi-Fi Alliance, indicated that no changes have been made since the document was last considered. It was noted that there are some editorial revisions needed. Disposition of the document is to be determined in conjunction with **Document** **IWG-2/040r3 (25.08.17).**
2. Issue 9.1.5 RLANs in 5 GHz- Document **IWG-2/040r3 (25.08.17) –** Scott Kotler, Lockheed Martin Corp., introduced the changes in this revision. Alexander Roytblat, Wi-Fi Alliance, noted that this revision still has proposed changes to the footnotes in the Radio Regulations, which would be unacceptable to the members of his association. Interested parties were asked to continue working off-line 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.
3. 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 then welcomed comments from the FCC and NTIA.

Michael Mullinix, FCC, indicated that the State Department would like to conclude development of all priority Agenda Item’s Preliminary Views as soon as possible. It was noted that the reconciliation process for Issue 9.1.5 is still ongoing. The membership is encouraged to provide a document for Agenda Item 1.16.

Amy Sanders, NTIA, also suggested that the status table be edited to indicate the status of the documents in CITEL PCC II. The NTIA website <https://www.ntia.doc.gov/category/wrc-19> has additional information.

1. Next meetings:
2. The next IWG-2 meetings will be held as follows:
   1. Wednesday, September 13 1-3 pm EDT.
   2. An additional meeting will be scheduled for the week of October 16th if necessary.
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-2/046 Meeting 12 minutes (revised as above)

IWG-2/047 Meeting 13 agenda

Public Participation Statement:

Meeting IWG-2/13 (30.08.2017) was open to the public ([DA 17-781](https://www.fcc.gov/document/wrc-19-advisory-committee-meetings-informal-working-groups-1)) and had 21 members, 10 observers, 2 IWG-2 officials and 4 FCC employees in attendance.

Author:

Giadira V. León, SES, prepared these minutes.

**Appendix A: Additional Attendees at August 30, 2017** **meeting of IWG-2**

**Members**

| **Organization** | **Member Name** |
| --- | --- |
| Aerospace and Flight Test Radio Coordinating Council | William K. Keane |
| Aviation Spectrum Resources, Inc. | Gregory Baker |
| The Boeing Company | Joseph Cramer |
| Cisco Systems, Inc. | David Case |
| EchoStar Corporation | Brennan Price |
| GSMA | Dr. Veena Rawat |
| Harris, Wiltshire and Grannis LLP | Damon Ladson |
| Hewlett Packard Enterprise | Richard Kennedy |
| IEEE-USA | Michael J. Marcus |
| Keysight Technologies, Inc. | Dr. James Gigrich |
| Jansky-Barmat Telecommunications Inc. | Donald M. Jansky |
| 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 |
| SES Americom, Inc. | Giadira León |
| Telecommunications Management Group, Inc. | Geraldo Neto |
| ViaSat, Inc. | Chris Hofer |
| Virginia Diodes, Inc. | Dr. Gerhard S. Schoenthal |
| Wi-Fi Alliance Assoc. | Alexander Roytblat |

**Press:**

Scott Billquist

**Observers**

1. Ed Ehrlich, Interdigital
2. Andy Feltman, Peraton for DoD
3. Shelli Rose Haskins, ACES
4. Jim Higgins, ASRC Federal Technical Services for NASA
5. Rob Kubik, Samsung
6. Eric Lee, DoD
7. Bruce Lamb, NTIA
8. Amy Sanders, NTIA
9. Tom Schaffnit, DoT
10. Joanne Wilson, ASRC Federal Technical Services for NASA