**Meeting Minutes**

Meeting: IWG-2 (Meeting 19)

Date/Time: Friday, March 9, 2018 1:00-3:00 p.m. EST

Location: Conference call

Committee Members & Observers Present:

Chair: Jayne Stancavage (Intel Corporation)

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

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

FCC Employees Present:

Dante Ibarra, Tom Sullivan, Allen Yang

Meeting Summary:

1. Approval of Agenda:
2. IWG-2 Chair Jayne Stancavage introduced the agenda in Document **IWG-2/065 (09.03.18)**.The agenda was approved.
3. FCC Reps, Opening Remarks and Introductions:

Dante Ibarra confirmed his presence on the call. Other FCC representatives also confirmed their presence. The Chair took roll call then requested that members and observers participating on the call send her and Vice-chair Tricia Paoletta an email message indicating their attendance.

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

The minutes of the eighteenth meeting as contained in Document **IWG-2/065 (09.03.18)** were approved. The chair agreed to take the minutes of the meeting.

1. Discussion of Draft IWG-2 Preliminary Proposal:
2. Agenda Item 1.1: Jon Siverling, ARRL, introduced document **IWG-2/060r1 (09.03.18)** including the revision to clarify that the “no change” was for Region 2 only. There was a discussion about whether the table of allocations should be included in the proposal section and there was agreement to retain it for clarity. The Chair noted that the table does not appear to be formatted correctly if it is meant to address Region 2 only. The meeting agreed to approve the document for forwarding to the WAC, with the revised formatting for the Table of Allocations to show Region 2 only.
3. Agenda Item 1.13: Vice Chair Tricia Paoletta served as chair for the portion of the agenda dealing with this document. Jayne Stancavage, Intel, introduced document **IWG-2/061r1 (21.02.18)** regarding the 37-43.5 GHz frequency range. She noted that some of the comments from the last meeting and the offline discussion have been incorporated into the document, specifically regarding spectrum harmonization, the difference in results for satellite uplink and downlink sharing studies, and editorial changes, while on other aspects (Region 2 or global, radio tuning range, accompanying Resolution, etc.) there was a fundamental difference of opinions between the two sides. Some members expressed concerns with the revised language as well as whether the proposal is complete without defined FSS protection criteria. There was also a discussion on how to proceed given the difference of opinions. The author noted that this document has been available for two meetings already and should be sent to the WAC for consideration (along with any other views). The FCC encouraged Members to provide alternate text/revised proposals before the next meeting of IWG-2.
4. AI 1.14: Kathryn Martin, Access Partnership, introduced Document **IWG-2/064r1 (09.03.18)**. There were some discussions regarding the modification to Resolution 145 *considerings* a through n. There were also questions on why the technical constraints are now on “stations” rather than “services” and the proposal for the 47 GHz frequency range. There was also a suggestion to do the proposal using a band by band approach.Interested parties should provide Kathryn Martin with any suggestions, concerns, etc.
5. AI 1.15: Michael Marcus, IEEE SA, introduced document **IWG**-**2/048r2** (**21**.**02**.**18).** He noted that based on ongoing discussions in the US Study Group 1 preparatory process, he will not provide revisions until there is feedback on the scope of changes possible under Resolution 767. Scott Kotler, Lockheed Martin, noted that he has provided revisions related to two issues to Mr. Marcus via email.
6. Issue 9.1.1: Brennan Price, Echostar, introduced document **IWG-2/062 (21.02.18)** as the same document from the last meeting in the absence of comments from members who raised concerns at the last meeting. Some members expressed the view that the proposal was premature until WP4C completes its studies while other members supported the document going forward to the WAC in April.
7. Update on Current Status:

No updates were provided.

1. Next meetings:

IWG-2

Date: Thursday, March 22, 2018

Time: 1:00 p.m.-3:00 EST

Teleconference Only: 888-858-2144 or 646-746-3008

Participant Code: 10271972

The next WAC meeting will tentatively be held on April 23, 2018 at 11 am EDT at the FCC.

Documents Distributed:

IWG-2/048r2 AI 1.15 draft proposal (Revision 2)

IWG-2/060r1 AI 1.1 draft proposal (Revision 1)

IWG-2/061r1 AI 1.13 draft proposal (Revision 1)

IWG-2/062 Issue 9.1.1 draft proposal

IWG-2/064r1 AI 1.14 draft proposal (Revision 1)

IWG-2/065 Meeting 18 minutes

IWG-2/066 Meeting 19 agenda

Public Participation Statement:

Meeting IWG-2/18 (21.02.2018) was open to the public ([DA 18-33](https://www.fcc.gov/document/wrc-advisory-committee-meetings-iwg-2)) and had 26 members, 19 observers, 2 IWG-2 officials and 3 FCC employees in attendance.

Author:

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

**Appendix A: Additional Attendees at the March 9, 2018** **meeting of IWG-2**

**Members**

| **Organization** | **Member Name** |
| --- | --- |
| Access Partnership, LLC | Kathryn Martin |
| ARRL | Jon Siverling |
| AAR | Timothy Strafford |
| The Boeing Company | Alex Epshteyn |
| CBS Corporation | Dr. Charles Einolf, Jr. |
| Cisco Systems, Inc. | Dave Case |
| CTIA | Jen Oberhausen |
| EchoStar Corporation | Brennan Price |
| Ericsson | Mark Racek |
| GSMA | Dr. Veena Rawat |
| IEEE-USA | Michael J. Marcus |
| Inmarsat | Jack Wengryniuk |
| Intelsat | Alexander Gerdenitsch |
| Jansky-Barmat Telecommunications Inc. | Donald M. Jansky |
| Lockheed Martin | Scott Kotler |
| Microsoft Corporation | Michael Daum |
| National Association of Broadcasters | Robert D. Weller |
| New Wave Spectrum Partners LLC | Stephen Baruch |
| Omnispace | Julie Zoller |
| SES Americom | Philippe Secher |
| TMG Inc. | Geraldo Neto |
| T-Mobile | Cody Hogan |
| Verizon | Leslie J. Martinkovics |
| ViaSat, Inc. | Chris Hofer |
| Wi-Fi Alliance | Alex Roytblat |
| Special Government Employee | Dr. Charles Rush |

**Observers**

1. Colin Alberts, Freedom Technologies
2. Reza Arefi, Intel Corporation
3. Mike Biggs, FAA
4. Giselle Creeser, Inmarsat
5. Ed Ehrlich, InterDigital Communications, Inc.
6. Andrew Feltman, Peraton for DoD
7. Shelli Rose Haskins, ACES for USCG
8. Ryan Henry, SES
9. Jim Higgins, ARCS for NASA
10. Bruce Lamb, NTIA
11. Eric Lee, DoD
12. Giadira Leon, S3 for AFSMO
13. Madi Lottenbach, Wiley Rein LLP
14. Brian Patten, NTIA
15. Amy Sanders, NTIA
16. Vishnu Sahay, ASCR for NASA
17. Brandy Jo Sykes, Apple
18. Joanne Wilson, ASCR for NASA
19. Chip Yorkgitis, Kelley Drye & Warren LLP