

**Meeting Minutes**

**Meeting:** WAC-15, Informal Working Group 2: Terrestrial Services (IWG-2)

**Date/Time:** April 8, 2015/ 1:00 p.m. – 3:00 p.m. (EDT)

**Location:** Teleconference only

**Participants:** See Attachment 1.

**Meeting Summary:**

**1) Opening Remarks and Introductions:**

Charles Rush/TMG, Chair of IWG-2, convened the meeting at 1:00 pm. He asked that participants send an email to Vice-Chair Jayne Stancavage/Intel indicating their participation.

**2) Approval of Agenda:**

The agenda in Document **IWG-2/062r2 (08.04.15)** was approved.

**3) Minutes:**

- a. Appointment of minute taker for the meeting: Ms. Stancavage was appointed to take the minutes of the meeting.
- b. Approval of Minutes from IWG-2 December 9, 2014 Meeting: The minutes of the last meeting as contained in Document **IWG-2/061r1 (19.12.14)** were approved.

**4) Consideration of Draft IWG-2 Proposals:**

**a. WRC-15 Agenda Item 1.1; MBB/IMT (Res. 233)**

1. 1300-1400 MHz - Document **WAC/105 (20.05.15)**
2. 1427-1518 MHz - Document **WAC/109 (20.05.15)**
3. 2700-2900 MHz - Document **WAC/105 (20.05.15)**
4. 4400-4990 MHz - Document **WAC/105 (20.05.15)**
5. 5925-6700 MHz - Document **IWG-2/064 (08.04.15)**

The chair proposed that we address the three proposals regarding 1300-1400 MHz, 2700-2900 MHz and 4400-4990 MHz, in document WAC/105(20.05.15). Alex Roytblat/FCC clarified that proposals regarding these frequency ranges had been sent to CITEL with the understanding that the FCC may seek further revisions after considering recommendations from the WAC. There was a brief discussion regarding the possible scope of changes. Mr. Roytblat confirmed that the FCC is looking for input from the WAC on industry's views on the documents and that it would be most effective to use CITEL PCCII US contributions as a baseline for any proposed revisions. It was agreed that Ms. Stancavage will assign the IWG-2 numbers to the CITEL PCC II US contributions, then provide them to the IWG-2 reflector for consideration. Interested parties should contact Ms. Stancavage with comments on the 1300-1400 MHz, 2700-2900 MHz, and 4400-4990 MHz proposals.

Charles Glass/NTIA introduced document WAC/109 (20.05.15) He noted that the document is associated with the US “NOC” proposal for 1435-1525 MHz to protect AMT. The US has already joined the Agenda Item 1.1 IAP for IMT in 1427-1518 MHz as well as the NOC to Radio Regulations footnote 5.343. WAC/109 proposes mandatory out-of-band emission limits on IMT to protect passive services in 1400-1427 MHz. Several members mentioned that the AMT community and US satellite manufacturers support this proposal. There was a brief discussion on the basis for the proposed values. Interested parties were asked to provide comments to Dr. Rush.

Steve Baruch/New Wave Spectrum Partners introduced document IWG-2/064. He clarified that the proposal addresses 5925-6425 MHz. There was a brief discussion regarding the status of the report as well as the conclusions reached by the studies. Interested parties were asked to contact Steve Baruch regarding the document.

**b.) WRC-15 Agenda Item 10: Future Agenda Items**

**1. Broadband applications using HAPS- Document IWG-2/063 (08.04.15)**

Tricia Paoletta/Harris Wiltshire and Grannis introduced document IWG-2/063 regarding High Altitude Platform Stations (both HAPS to HAPs and HAPS to ground stations). There was a brief discussion on whether this agenda item is seeking regulatory changes or an allocation. There was also discussion regarding whether the current proposal requires conference action or could occur within ITU-R Study Groups. Interested parties were asked to contact Tricia Paoletta.

**5. Status of IWG-2 Agenda Items**

The Chair noted that the status of IWG-2 Agenda Items has been provided in the agenda. Members were urged to notify the Vice-Chair as soon as possible if any errors are identified.

**6. IWG-2 Documents for May 20 WAC meeting**

The Chair noted that IWG-2 documents are due to FCC on May 11<sup>th</sup> in order to be considered at the May 20<sup>th</sup> WAC meeting. He noted that four offline groups had been established and requested that comments on the following documents should be provided in a timely manner to the contacts below:

WAC 105: Jayne Stancavage

WAC 109: Charlie Rush

IWG-2/064: Steve Baruch

IWG-2/063: Tricia Paoletta

**7. Any Other Business**

No other business was discussed.

**8. Next meeting**

April 20<sup>th</sup> 1-3 pm EDT

**9. Adjournment:**

The meeting was adjourned at 2:09 pm.

**Public Participation Statement:** This meeting was open to the public as announced by Public Notice, [DA15-376](#) (March 27, 2015).

**Attachment 1: List of Attendees April 8, 2015 meeting**

Reza Arefi	Intel Corp.
Steve Baruch	New Wave Spectrum Partners LLC
Paul Caritj	Harris Wiltshire Grannis
Winston Caldwell	21 <sup>st</sup> Century Fox
Dave Case	Cisco
David Choi	Mitre
Lynn Claudy	NAB
Craig Cuttner	Time-Warner, Inc.
Bob Denny	NTIA
Robert Dockemeyer	Delphi
Charles Einolf	CBS
Kyle Entz	Sprint Corp.
Donald Everist	Cohen, Dippell and Everist, P.C.
Andy Feltman	Exelis
Bruce Franca	National Association of Broadcasters
Alexander Gerdenitsch	Motorola Mobility, Inc.
Charles Glass	NTIA
Neal Goldberg	NCTA
Tom Hayden	TLH Consulting
Chris Hofer	Viasat
Don Jansky	Jansky- Barmat
Ken Keane	Duane Morris
Kim Kolb	Boeing
Scott Kotler	Lockheed Martin Corp.
Rob Kubik	Samsung
Charlena Mertock	Comm Daily
Michael Mullinix	FCC
Larry Olson	FCC
Tricia Paoletta	Harris Wiltshire Grannis for Google & NCTA
Brian Patten	NTIA
Brennan Price	ARRL
Mark Racek	Ericsson
Jim Ragsdale	Ericsson
Veena Rawat	GSMA
Zach Rosenbaum	Echostar
Alexander Roytblat	FCC
Bill Rummeler	Fixed Wireless Communications Coalition
Charlie Rush	TMG, Inc.
Amy Sanders	Alcatel-Lucent
Cathy Seidel	Motorola Solutions
Russ Shields	Ygomi
Juyeon Song	Samsung
Jayne Stancavage	Intel Corp.

Brandy Sykes  
Milan Vuckovic  
Wayne Whyte  
Joanne Wilson

DoD  
Verizon  
NASA  
ASRC Research and Technology Solutions