

Meeting Minutes

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

Date/Time: August 18, 2014/ 2:00 p.m. – 4:00 p.m. (EDT)

Location: Teleconference only

Participants: See Attachment 1.

Meeting Summary:

1) Opening Remarks and Introductions:

Charles Rush, Chair of IWG-2, convened the meeting at 2:00 pm. Dr. Rush asked all participants to send an email to Vice-Chair Jayne Stancavage indicating their participation.

2) Approval of Agenda:

The agenda in Document **IWG-2/051r2 (08.07.14)** was approved.

3) Minutes:

- a. **Appointment of minute taker for the meeting:** Brennan Price/AARL volunteered to take the minutes of the meeting.
- b. **Approval of Minutes from IWG-2 June 3, 2014 Meeting:** The minutes of the last meeting as contained in Document **IWG-2/050** were approved.

4) Consideration of Draft IWG-2 Proposals:

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

- 1.) 1164-1300 MHz, 1559-1610 MHz
 - a) Document **WAC/077 (27.08.14)**
 - b) Document **WAC/077_redline_r1 (27.08.14)**

Jayne Stancavage/Intel introduced the edits to the NTIA document in WAC/077 redline_r1 and noted that all issues had been resolved except one set of square brackets which was under verification. Steve Baruch/New Wave Spectrum Partners clarified that the text in the square brackets was factual so the brackets were deleted. The document was approved. Ms. Stancavage will ensure that all edits are shown correctly against WAC 077 and send the final version to the IWG-2 reflector. There was a brief discussion on some clarifications on the document.

- 2.) 3400-4200 MHz, 4500-4800 MHz
 - a) Document **WAC/076 (27.08.14)** (3700-4200 MHz)
 - b) Document **IWG-2/046 (03.06.14)**

The Chair asked Kim Baum/SES to provide an update regarding the activities of the offline group. Ms. Baum noted discussions in the offline group are continuing. The group will not be considering any single mobile deployment scenario and will seek to address 3.4-4.2 GHz globally. The mobile representatives indicated that they do not want to limit it to a single

IWG-2/054(29.08.14)

deployment scenario. FSS representatives will be discussing protection of their services. The next call of the offline group is scheduled for September 5th at 11 am Eastern.

- 3.) 5000-5030 MHz
 - a) Document **WAC/077 (27.08.14)**
 - b) Document **WAC/077_redline_r1 (27.08.14)**

WAC/077_redline_r1 was approved. Ms. Stancavage will ensure all edits are shown correctly against WAC 077 and send the final version to the IWG-2 reflector.

- 4.) Above 6 GHz-
 - a) Document **IWG-2/044 (03.06.14)**
 - b) Document **WAC/076 (27.08.14)**
 - c) Document **IWG-2/053 (18.08.14)**
 - d) Document **IWG-2/044r1 (18.08.14)**

Members were not able to agree on a proposal, so IWG-2 will present a View A and View B to the WAC. The Chair requested that the documents be reviewed to ensure that all entities listed are members of the WAC. View A proponents clarified that they wished to forward Document IWG-2/044r1 (rather than WAC 076) with IWG-2/053 as their view. There was a brief discussion regarding proposals for a future conference. Editorial updates to View A and View B will be handled offline and a final version of the document to be considered by the WAC will be distributed to the reflector.

b. WRC-15 Agenda Item 1.3; PPDR (Res. 646)

- 1) Document **IWG-2/048 Version 1(18.08.14)**
- 2) Document **IWG-2/048 Version 2(18.08.14)**

The Chair requested that Amy Sanders/Alcatel-Lucent provide an update on the activities of the offline group. Ms. Sanders noted that two versions of a draft proposal for Agenda Item 1.3 were provided to today's meeting. There was a brief discussion on the documents. IWG-2 is not ready to submit anything to the WAC at this time. The meeting agreed that Ms. Sanders will continue to lead offline discussions on this issue.

c. WRC-15 Agenda Item 10; Future Conference Agenda Items

- 1) Document **WAC 080 (27.08.14)**
- 2) Document **WAC 080_redline (27.08.14)**

Charles Glass/NTIA introduced document WAC 080 and noted that there is a sense of urgency with this document. Dave Case/Cisco introduced WAC 080_redline. There was a brief discussion regarding industry concerns with WAC 080. Document WAC 080_redline was agreed with editorials as discussed on the call (inviting WRC-19 to take action and editorials from NCTA): the final version will be distributed to the reflector.

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 Chair and Vice-Chair as soon as possible if any errors are identified.

6. IWG-2 Documents for August 27th WAC meeting

The Chair noted that the agenda also provides a list of documents which will be sent from IWG-2 to the WAC for consideration. Ms. Stancavage noted that as a result of today's meeting the complete list of documents to be sent to the WAC is as follows:

- Document **WAC 058** regarding AI 10 for 460-470 MHz
- Document **WAC/077_redline_r1**, which will show edits versus WAC 077.
- Document **WAC 080_redline (27.08.14)** which will be updated with edits as agreed by meeting.
- A document containing View A (based upon Documents **IWG-2/053 and IWG-2/044r1**) and View B (based upon Document **IWG-2/052r1**).

She also noted that the portion of WAC 076 regarding AI 1.4 was rejected by IWG-2.

7. Any Other Business:

A proposal under Agenda Item 1.1 for NOC on 5725-5850 MHz will be discussed at the next IWG-2 meeting.

8. Next meeting:

The next meeting is scheduled for Tuesday November 18th 1-3 pm Eastern.

9. Adjournment:

The meeting was adjourned at 3:51 pm.

Public Participation Statement: This meeting was open to the public as announced by Public Notice, [DA14-1157](#) (August 11, 2014).

Field Code Changed

Attachment 1: List of Attendees August 18, 2014 meeting

Mike Aloisi	Viacom
Pat Amodio	Echostar
Steve Baruch	New Wave Spectrum Partners LLC
Kim Baum	SES Americom
Bharat Bhatia	Motorola Solutions
Rob Briskman	Sirius XM
Dave Case	Cisco
David Choi	Mitre
Lynn Claudy	National Association of Broadcasters
Craig Cuttner	Time-Warner (HBO)
Robert Dockemeyer	Delphi Electronics and Safety
Pascale Dumit	SES
Charles Einolf	CBS Broadcasting Inc.
Andy Feltman	Exelis
Bruce Franca	National Association of Broadcasters
Charles Glass	NTIA
Tom Hayden	TLH Consulting
Chris Hofer	ViaSat
Dante Ibarra	FCC
Don Jansky	Jansky-Barmat for SES
Ken Keane	Duane Morris for Aerospace & Flight Test Radio Coord. Council
Scott Kotler	Lockheed Martin
Rob Kubik	Samsung
Damon Ladson	Harris, Wiltshire & Grannis
Michael Mullinix	FCC
Gary Nadler	ABC
Larry Olson	FCC
Tricia Paoletta	Harris Wiltshire Grannis for Google & NCTA
Brian Patten	NTIA
Brennan Price	ARRL
Charlie Rush	TMG
Amy Sanders	Alcatel-Lucent
Andy Scott	NCTA
T. Russell Shields	Ygomi
Juyeon Song	Samsung
Jayne Stancavage	Intel Corp.
Brandy Sykes	DoD
Stephen Ward	MMI
Wayne Whyte	NASA