

Meeting Minutes

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

Date/Time: December 6, 2013/2:00 p.m. - 4:00 p.m. (EST)

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 chair introduced the agenda in Document **IWG-2/033(06.12.13)**. The agenda was approved.
- 3) **Minutes:**
 - a. **Appointment of minute taker for the meeting:** Jayne Stancavage agreed take minutes for the meeting.
 - b. **Approval of Minutes from IWG-2 September 9, 2013 Meeting:** The minutes of the last meeting as contained in Document **IWG-2/032 (10.09.13)** were approved by acclamation.
- 4) **Consideration of Draft IWG-2 Preliminary Views:**
 - a. **WRC-15 Agenda Item 1.1; MBB/IMT (Res. 233)**
 1. 3400-4200 MHz - Document **IWG-2/013r1 (06.12.13)**

Kim Baum introduced the document. Brennan Price noted that the in the background section, the lower edge of the frequency range should be 410 MHz instead of 400 MHz. The document was approved, noting that the lower edge of the frequency range would be corrected.
- 5) **Consideration of Draft IWG-2 Proposals:**
 - a. **WRC-15 Agenda Item 1.1: MBB/IMT (Res. 233)**
 1. 470-698 MHz - Document **IWG-2/027r1 (26.08.13)** and Document **IWG-2/036 (06.12.13)**

Amy Sanders introduced document IWG-2/027r1. Several members expressed their support for a co-primary allocation to the Mobile service and several members objected. Kim Baum noted that some comments had been posted to the reflector regarding subscription rates and she wanted to ensure that these were considered as well. Bruce Franca then introduced document IWG-2/036. He stated that this version describes the current status in the United States and it proposes no change to the Radio Regulations.

After a lengthy discussion regarding the two documents, the Chairman noted that there seemed to be a clear divergence in opinions between the sides with one side advocating no change and the other seeking flexibility in the band. Given the deadline of the January WAC meeting, one way forward to seriously consider a view A and view B and put them forward for the WAC then send it to the FCC for its' decision. Another discussion ensued regarding the possibility of developing consensus text. The result was that interested parties will hold offline meetings in order to try to develop compromise text, but that if the groups were unable to develop consensus text then a view A and view B could be developed in time for consideration by the January WAC meeting. Interested parties should email Amy Sanders or Bruce Franca to participate in the offline discussions.

2. Above 6 GHz - Document **IWG-2/029 (26.08.13)**, proposed revisions from SES and Intel.

Amy Sanders stated that document IWG-2/029 was introduced at the last meeting. Pascale Dumit then introduced proposed revisions. After a brief discussion, Wayne Whyte observed that it might be worth considering an approach of all bands above 6 GHz. The Chairman proposed to create an offline group to discuss a draft revision. Interested parties should email Pascale Dumit to participate in the offline discussions.

3. NTIA draft proposal on 2 GHz- Document **WAC/057 (30.01.14)**

The Chairman introduced the document. One participant supported the document and some participants asked for more time to consider the document. The document was tabled until the next meeting.

4. 1435-1525 MHz- Document **IWG-2/034 (06.12.13)**

Ken Keane introduced the document. One participant questioned the "Reasons" portion of the text. An offline discussion was arranged.

5. 5350-5470 MHz- Document **IWG-2/035 (06.12.13)**

Jayne Stancavage introduced the document. One participant proposed deletion of a clause regarding ITU Recommendations and Reports. Another participant proposed linking it to a WRC Resolution, while several others opposed. Interested parties should contact Jayne Stancavage with any concerns.

6) Any Other Business:

None

7) Next meeting:

The next meeting will be held via teleconference on January 6th from 2 pm-4 pm EST. It was noted that if document authors will not be available on January 6th, they should contact the Chairman and Vice-Chairman in order to ensure that those document(s) not be considered at the January 6th meeting. An additional meeting will be held on January 16th from 9:30 am- 1 pm EST at the FCC with teleconferencing also available.

10) **Adjournment:** The meeting was adjourned at 3:55 pm.

Public Participation Statement: This meeting was open to the public as announced by Public Notice, [DA 13-2247](#) (Nov 25, 2013).

Attachment 1: List of Attendees December 6, 2013 meeting

Michael Aloisi	Viacom
Pat Amodio	Echostar
Reza Arefi	Intel
Kim Baum	SES
Phil Bonomo	Lerman Senter for Lockheed Martine
Scott Blue	Microsoft
Stephen Blust	AT&T
Winston Caldwell	Fox
Craig Cuttner	Time Warner
Kristine Devine	Wiltshire & Grannis
Pascale Dumit	SES
Charles Einolf	CBS Broadcasting Inc.
Kyle Entz	Sprint Corp
Andy Feltman	Exelis for DoD
Joe Flaherty	CBS Broadcasting Inc.
Carlos Flores	FCC
Bruce Franca	NAB
Alexander Gerdenitsch	Motorola Mobility
Dante Ibarra	FCC
Dan Jablonski	John Hopkins APL
Don Jansky	Jansky-Barmat
Abdolmajid Khalilzadeh	Intelsat
Ken Keane	Duane Morris for Aerospace & Flight Test Radio Coord. Council
Kim Kolb	Boeing
Rob Kubik	Samsung
Damon Ladson	Wiltshire & Grannis
Michael Mullinix	FCC
Carlos Nalda	LMI Advisors
Larry Olson	FCC
Tricia Paoletta	Wiltshire & Grannis for Google and NCTA
Brian Patten	NTIA
Brennan Price	ARRL
Jim Ragsdale	Ericsson
Bill Rummler	Fixed Wireless Communications Coalition
Charlie Rush	TMG Telecom
Amy L. Sanders	Alcatel-Lucent
Andy Scott	NCTA
Juyeon Song	Samsung
Jayne Stancavage	Intel Corp.
Bill Tranavitch	Exelis
Milan Vuckovic	Verizon
Stephen Ward	MMI
Wayne Whyte	NASA
Joanne Wilson	ARTS for NASA