Meeting Minutes

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

Date/Time: 19 September 2012/ 1:00 p.m.-3:00 p.m. (EDT)

Location: FCC, 445 12th St., SW, 5th Floor, Room 5-B516, Washington, D.C. 20554

Participants (in person and via phone): See attachment 1.

Meeting Summary:

1) **Opening Remarks and Introductions**: The meeting of IWG-2 was called to order at 1:00 p.m. Participants were welcomed by IWG-2 Chair Charles Rush and Vice-Chair Jayne Stancavage. A roll call of participants present in the room and on the phone was conducted.

2) **Approval of Agenda**: The chair introduced the agenda in document **IWG-2/005 (17.09.12***)*. Mr. Don Jansky commented that he wanted to add another document dealing with WRC-15 Agenda Item 1.1. The agenda was amended to include discussion of this document as item 4.d.6 and approved by the meeting.

3) **Minutes**:
   a. **Appointment of minute taker for the meeting**: Dr. Alexander Gerdenitsch agreed to take the minutes of the meeting.
   b. Template for minutes: The chair mentioned that a template for the meeting minutes can be found in document **IWG-2/006 (17.09.12)**
   c. **Approval of Minutes from IWG-2 August 12, 2012 Meeting:** The minutes of the last meeting as contained in document **IWG-2/004r1(17.09.12)** were approved without comments.

4) **Discussion and Approval of Draft IWG-2 Preliminary Views Document**
   a. **WRC-15 Agenda Item 1.4: Secondary amateur 5 MHz allocation (Res. 649)**: Mr. Brennan Price introduced document **IWG-2/007 (17.09.12)**. He mentioned that he received editorial comments from the vice-chair which are shown as track changes in IWG-2/007 (17.09.12). No further comments were made during the meeting and IWG-2/007 (17.09.12) was approved without objections or changes. Mr. Charles Glass mentioned that RCS is working on a preliminarily view on this Agenda Item, which will be considered for approval on October 2nd.
   b. **WRC15 Agenda Item 1.3; PPDR (Res. 648)**: Ms. Amy Sanders introduced document **IWG-2/008 (17.09.12)** which proposed industry Preliminary View on WRC-15 Agenda Item 1.3. No comments were made on the document. The Chair then noted that the IWGs have been requested to consider the relevant NTIA Draft Preliminary Views. Mr. Charles Glass introduced the approved NTIA Draft Preliminary View on Agenda Item 1.3 as contained in **WAC/008(01.10.12).** Some discussion took place on the differences

between the documents**.** Although the NTIA document includes some useful text, which is not included in the industry document, the major difference is whether revision of the list of bands in Resolution 646 is possible. There was some discussion about how to handle any reconciliation of the documents. Document IWG-2/008 was approved by the meeting with no objections or changes. Regarding how to deal with transmitting the IWG-2 position on the NTIA document, Mr. Alex Roytblat noted that by approving IWG-2/008, it is clear that IWG-2 does not endorse the NTIA Draft Preliminary View as contained in WAC/008. There was some discussion about global versus regional harmonization: it was confirmed that this Preliminary View supports regional harmonization of PPDR frequency bands.

c. **WRC15 Agenda Item 1.2; Region 1 694-790 MHz (Res. 232)**: Dr. Charles Rush introduced document **IWG-2/009 (17.09.12)** with a Draft Preliminary View on WRC-15 Agenda Item 1.2. There was some discussion about this being a Region 1 issue: it was clarified that this document proposes that nothing that comes out of the AI1.2 activities should alter the Radio Regulations as they pertain to Region 2. The document was approved without any objections or changes. Mr. Charles Glass mentioned that there has been no indication of any counter views within RCS so the IWG document will be considered for approval at the RCS meeting on October 2nd.

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

1. **470-698 MHz**: Dr. Charles Rush introduced document **IWG-2/010 (17.09.12)** with a proposed Draft Preliminary View on the 470-698 MHz spectrum band. The document was approved without any objections or comments. There was some discussion regarding whether the author's name could be put on the contributions to the meeting. The vice-chair indicated that these documents have been prepared to have them ready for consideration by the WAC and to be consistent with the NTIA format.

2. **1164-1215 MHz, 1215-1300 MHz, and 1559-1610 MHz bands**: Dr. Charles Rush introduced document **IWG-2/011 (17.09.12)** for Mr. Steve Baruch, who was not able to participate in the meeting. There was some discussion about some text in the background section of the document. It was confirmed that there were no objections to the proposed U.S. View. Some text in the last paragraph of the background section was put in square brackets. Any participants with concerns should contact Steve Baruch directly, but to preserve the wording of the U.S. View. There was a discussion on timing. The document would need to be approved via correspondence by 5 pm E.D.T. on Mon. Sep. 24th so any comments should be sent to the author before Mon. Sep. 24th.

3. **1435-1525 MHz**: The author, Mr. Ken Keane, introduced document **IWG-2/012 (17.09.12).** The author mentioned that more time is needed to include further material into the document, before it can be approved so the document was tabled and will be considered in the future.

4. **1695-1710 MHz:** No document was received on this frequency band yet. Mr. Charles Glass mentioned that NTIA currently does not have a draft Preliminary View on this band as related to WRC-15 agenda item 1.1.

5. **3400-4200 MHz**: Mr. Don Jansky introduced document **IWG-2/013 (17.09.12)** with a proposal for a draft Preliminary View on the 3400-4200 MHz band. Several people expressed their concerns with the document, especially the last sentence in the US View section. There was a lengthy discussion on topics including small cell deployments, the FCC Chairman's statement, the fact that the parts of this band have

already been identified for IMT, and the results of existing studies. As there was major disagreement on the document, it was agreed that IWG-2 will continue to work on the document at the next meeting. Mr. Zachary Rosenbaum asked if the group could approve the document via correspondence. However, as there was no consensus for this proposal, it was not agreed. Mr. Charles Glass indicated that NTIA currently does not have preliminary views on WRC-15 AI 1.1.

6. Mr. Don Jansky mentioned that he had prepared two documents for consideration related to WRC-15 Agenda Item 1.1. However, only one document (IWG-2/013) was received by IWG-2. The other document, which is a more general statement, will be distributed to the IWG-2 email list and discussed at the next meeting.

5) **Any Other Business**: The Chair thanked participants for their time and energy in preparing the draft Preliminary Views.

6) **Next meeting**

- Monday, October 15, 2012; 10 am-12:00 pm E.D.T. (FCC Public Notice DA 12-1480)

The meeting was adjourned at 2:36pm.

Public Participation Statement: This meeting was open to the public as announced by Public Notice DA 12-1360.

Author: Dr. Alexander Gerdenitsch provided the draft minutes.

Attachment 1: List of Attendees Sep. 19, 2012 meeting

David Case	Cisco Systems
Diane Cornell	Inmarsat
Kathryn Dall'Asta	CTIA
Bob Dockemeyer	Delphi
Pascale Dumit	ITT Exelis for DoD
Kyle Entz	Sprint Nextel Corporation
Carlos Flores	Army
Alexander Gerdenitsch	Motorola Mobility Inc.
Charles Glass	NTIA
Dante Ibarra	FCC
Donald Jansky	Jansky-Barmat Telecommunications Inc.
Abdolmajid Khalilzadeh	Intelsat
Ken Keane	Duane Morris for Aerospace & Flight Test Radio C.C.
Jeanette Kennedy	Nokia
Kim Kolb	Boeing
Damon Ladson	Wiltshire & Grannis
Thu Luu	Navy
Prakash Moorut	Nokia Siemens Networks
Michael Mullinix	FCC
Larry Olson	FCC
Brennan Price	ARRL
Zachary Rosenbaum	SES
Bill Rummler	Fixed Wireless Communications Coalition
Alex Roytblat	FCC
Charlie Rush	TMG Telecom
Amy Sanders	Alcatel-Lucent
Cathy Seidel	Motorola Solutions, Inc.
Jonathan Siverling	ARRL
Jayne Stancavage	Intel Corp.
Bill Tranavitch	ITT Exelis for DoD
Thomas S. Tycz	Goldberg Godles Wiener and Wright for Iridium
Milan Vuckovic	Verizon
Jennifer Warren	Lockheed Martin Corporation
Wayne Whyte	NASA