

Informal Working Group-2 Meeting Minutes

Meeting Date: February 2, 2011

Meeting Time: 09:30 AM

Meeting Chair: Kimberly Baum

Summary of Discussions

- 1) **Introductions:** The persons who participated in the IWG-2 meeting of February 2, 2011 are shown in Annex 2.
- 2) **Approval of Agenda:** The agenda for the meeting, contained in document IWG-2_55, was approved by the members of IWG-2, with two revisions (references to Doc IWG-2_60 & _59 were reversed). The approved agenda can be found in Annex 1.
- 3) **Administrative Matters:** Charles Rush was appointed to take the minutes of the meeting. The minutes from the 8 October 2010 meeting (IWG-2_54) were not available for approval. The Chair reminded the group members that the full list of IWG-2 documents is contained in document IWG-2_004 (01.02.11).

The Chair indicated that the next meeting of the WAC is planned for March 8, 2011 at 11AM EST in the Commission Meeting Room. The FCC representative emphasized that next WAC meeting will be the last meeting of the WAC. IWG-2 must send any contributions to the upcoming WAC meeting in order for FCC and U.S. government representatives to consider them as part of their preparation for the next meeting of CITELE planned for the end of March 2011. It was pointed out that the March CITELE meeting (March 28-April 1) will be the last meeting of CITELE at which it will be possible to submit a new proposal that would have an opportunity to become an IAP for a WRC-12 Agenda Item.

The NTIA observer reported on RCS activities and noted that NTIA and FCC representatives have already initiated the process of reconciliation of disparate WAC and RCS views and approaches addressing the same WRC-12 Agenda Item. The next meeting of the RCS is scheduled for February 3, 2011 and preliminary documents from all the IWGs will be considered at the meeting. The next meeting following the February 3 RCS meeting is March 9, after the WAC meeting of March 8. It was noted by the NTIA observer that the time frame will create challenges in developing positions for the upcoming CITELE meeting as RCS documents will need to go through the IRAC process for approval.

- 4) **Update on Regional Preparations/Meetings:** There was nothing new to report. The outcomes of the latest meetings of CITELE, CEPT, APT were reported at the previous IWG-2 meeting.

- 5) **Review of Assigned Agenda Items and Organization of Work:** IWG-2 discussed contributions associated with WRC-12 Agenda Items addressed in the following documents:

Documents IWG-2/56 and 59: NTIA AA Coordination Letter to FCC on Proposal for Agenda Items 1.4 Res. 417_1.5_1.16_7 No. 11.41A_8.1.1 and 8.2 GMDS. The NTIA representative commented on the items contained in IWG-2/56 highlighting the following:

A.I. 1.5: NTIA proposes to suppress Resolution 954, believing the work called for under that resolution will be completed by WRC-12. The proposal was tentatively agreed by IWG-2 and will be confirmed at the next IWG-2 meeting.

A.I. 1.8: NTIA reported that this Agenda Item has been reconciled and a USA position and proposal exists. The IWG-2 chair indicated she will circulate U.S. proposal for review and comment and any comments on US proposal will be discussed at next IWG-2 meeting.

A.I. 1.16: There were no comments raised by IWG-2 on NTIA's proposal for A.I. 1.16. The next IWG-2 meeting will consider the proposal one more time but it is expected that there will be no opposition from IWG-2 to the NTIA A.I. 1.16 proposal.

IWG-2 did not deal with the other proposals contained in Document 56 as they are not relevant to IWG-2's mandate.

Document IWG-2/60: NTIA AA Coordination Letter to FCC on Proposals for Agenda Item 8.2 7 GHz EESS.

A.I. 8.2 7GHz EESS: NTIA and NASA observers discussed a proposed agenda item for WRC-15/16 on Earth Exploration Satellite Service (EESS) to consider allocation of 7190 – 7235 MHz for EESS. Amy Sanders (Alcatel-Lucent) indicated possible concerns regarding the frequency band being addressed. IWG-2 agreed to finalize its views at the next IWG-2 meeting.

Document IWG-2/57: Draft Proposal 8-2 IMT

A.I. 8.2: Document 57 was introduced by an industry group proposing a WRC-15/16 Agenda Item to be agreed at WRC-12 addressing mobile broadband, including IMT. Significant discussion took place on this proposal and on a related document, Document IWG—2/58, a proposal being considered by NTIA/RCS for a WRC-15/16 Agenda Item to study BWA.

A number of issues and questions were raised from industry participants on IWG-2/57 including, but not limited to, incorporation of language to reflect that certain frequency bands used for safety of life operations are outside the terms of reference of

the Agenda Item, that acknowledgement of comparable studies by the ITU-R should be referenced in the proposal, and whether or not there exist definitions for the term mobile broadband in the ITU-R.

It was decided by IWG-2 that the industry group authors of Document IWG—2/57 will take into consideration the industry comments made at the meeting and the NTIA proposal (discussed below) and produce a redraft of IWG-2/57 for the next – February 10, 2011 – meeting of IWG-2. Specific comments from industry participants in the February 2 IWG-2 meeting were requested to be provided to the IWG-2/57 authors in order to facilitate the redraft.

Document IWG-2/58: NTIA AA Coordination Letter to FCC on Proposal for Agenda Item 8.2 BWA

A.I. 8.2: NTIA observers presented the RCS-approved proposed WRC-15/16 Agenda Item dealing with BWA as part of the discussion referred to immediately above. It was noted by IWG-2 that there was considerable commonality in the approach to the Agenda Item proposals in both IWG-2/57 and IWG-2/58. It was also pointed out that differences existed in the proposals, but there was willingness on the part all involved to work to minimize those differences and reach a reconciled US proposal on the WRC15/16 Agenda Item for MB/IMT/BWA. It was recognized that including as much material as possible from Doc 58 into Doc 57 would facilitate the reconciliation effort. There was discussion as to which document IWG-2 should use as a basis for its work. As this is an industry group, it was decided to work from Doc 57, and to incorporate material from Doc 58 as appropriate.

- 6) **Schedule:** The next meeting of IWG-2 schedule for February 10, 2011 at 9:00 a.m. A subsequent meeting was also scheduled for March 3 at 1:30 pm.
- 7) **Other Business:** No remarks.
- 8) **Adjournment:** 11:00 AM EST

ANNEX 1 – APPROVED AGENDA

**WRC Advisory Committee 2012
Informal Working Group-2**

Wednesday, February 2, 2011

9:30 a.m. – 11:00 a.m.

FCC, 445 12th St. SW, Washington, DC 20554

Room FCC 1-B516

Conference bridge: 866 624-3038 and 210 814-1690; Participant code is 5809270.

Agenda

1. Introductions
2. Approval of Agenda
3. Administrative matters
 - a. Volunteer to take minutes
 - b. Approval of draft Minutes from October 8, 2010 meeting – *Document IWG-2_54 (Rose Mooney to provide)*
 - c. List of documents – *Document IWG-2_4 (01.02.11)*
 - d. WAC schedule – next full WAC March 8, 2011
4. Brief Update on Regional Preparations/other relevant meetings
 - a. CITEL
 - b. CEPT
 - c. APT
 - d. Update on RCS/NTIA WRC preparations
 - e. ITU
 - f. Others
5. Review of Assigned Agenda Items & Organization of work

AI	Issue	US PVs/NTIA Proposals	IWG-2 PV?	IWG-2 Proposal?	IWG-2 Volunteers to draft Proposals?
1.20	to consider the results of ITU-R studies and spectrum identification for gateway links for high altitude platform stations (HAPS) in the range 5 850-7 075 MHz in order to support operations in the fixed and mobile services, in accordance with Resolution 734 (Rev.WRC-07)	US PV (Doc. WAC/007)	Doc. 15 (24.03.09) (2 views)	Doc. 29 (07.09.10), Doc. 33 (20.08.09), Doc. 41 (15.01.10) (Info paper), Doc.	Mr. Gould, Mr. Roger LeClair, Mr. Jansky and Mr. Weinreich. Ms. Sanders will solicit FWCC for input.

				48 (02.09.10), Doc. 49 (21.10.10)	
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AI	Issue	US PVs/NTIA Proposals	IWG-2 PV?	IWG-2 Proposal?	IWG-2 Volunteers?
1.5	to consider worldwide/regional harmonization of spectrum for electronic news gathering (ENG), taking into account the results of ITU-R studies, in accordance with Resolution 954 (WRC-07) ;	US PV (Doc. WAC/007), NTIA Proposal (Doc. 28 (24.07.09)), NTIA Proposal (Doc 56 (01.02.11))	Support US pv	Doc. 22 (10.08.09) (Approved)	Ms. Sanders
1.8	to consider the progress of ITU-R studies concerning the technical and regulatory issues relative to the fixed service in the bands between 71 GHz and 238 GHz, taking into account Resolutions 731 (WRC-2000) and 732 (WRC-2000)	US PV (Doc. WAC/007); NTIA Proposal (Doc 59, (01.02.11))	Doc. 17 (18.03.09)	Doc 47 (08.10.10)	Mr. Gould, Mr. Rummeler
1.16	to consider the needs of passive systems for lightning detection in the meteorological aids service, including the possibility of an allocation in the frequency range below 20 kHz, and to take appropriate action, in accordance with Resolution 671 (WRC-07)	NTIA Proposal (Doc 56 (01.02.11))			Unassigned
1.17	to consider results of sharing studies between the mobile service and other services in the band 790-862 MHz in Regions 1 and 3, in accordance with Resolution 749 (WRC-07) , to ensure the adequate protection of services to which this frequency band is allocated, and take appropriate action	US PV	Doc. 12 (25.03.09)	Doc. 26 (10.08.09) (Approved)	Ms. Sanders, Ms. Baum, Mr. Rush, Ms. Kennedy
1.19	to consider regulatory measures and their relevance, in order to enable the introduction of software-defined radio and cognitive radio systems, based on the results of ITU-R studies, in accordance with Resolution 956 (WRC-07) ;	US PV , NTIA Proposal (Doc. 28 (24.07.09))	Doc. 14 (25.03.09)	Doc. 23 (03.08.09) (Approved)	Mr. Case, Mr. Baruch, Mr. Chartier, Mr. Jansky, Ms. Creeser, Ms. Paoletta and Ms. Baum
1.22	to examine the effect of emissions from short-range devices on radiocommunication services, in accordance with Resolution 953 (WRC-07) ;	US PV , NTIA Proposal (Doc. 28 (24.07.09))	Doc. 9 (10.03.09) (Approved)	Doc. 27 (03.08.09) (Approved)	Ms. Baum, Mr. Case, Mr. Chartier and Ms. Creeser

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1.23	to consider an allocation of about 15 kHz in parts of the band 415-526.5 kHz to the amateur service on a secondary basis, taking into account the need to protect existing services;	<u>US PV</u> , NTIA Proposal (Doc. 34 (12.08.09))	Doc. 18 (18.03.09)	Doc. 32 (24.08.09) (Approved), Doc. 39 (16.12.09) (Tabled)	Mr. Price and Mr. Siverling
8.2	Preliminary agenda for the subsequent conference and on possible agenda items for future conferences	NTIA Proposal (BWA: Doc 58 (01.02.11); 7 GHz EESS: Doc. 60 (01.02.11))		Doc. 57 (01.02.11)	Unassigned

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6. Schedule

7. Any other business?

8. Adjournment

ANNEX 2 – LIST OF PARTICIPANTS

First Name	Last Name	e-mail	Affiliation	Attended 02/02/11 ?	Registered Lobbyist ?
Kimberly	Baum	kimberly.baum@ses.com	SES World Skies	Y	N
Alex	Epshteyn	Alexander.Epshteyn@asrcms.com	ASRC	Y	N
Alex	Gerdenitsch	alexander.gerdenitsch@motorola.com	Motorola	Y	
Dante	Ibarra	dante.ibarra@fcc.gov	FCC	Y	N
Brennan	Price	bprice@arrl.org	ARRL	Y	N
Mark	Racek		Ericsson	Y	
Alexander	Roytlat	alexander.roytlat@fcc.gov	FCC	Y	N
Charlie	Rush	crush@tmgtelecom.com	TMG/Qualcomm	Y	N
Jon	Siverling	siverling@mindspring.com	ARRL	Y	N
Tom	Wasilewski		Qualcomm	Y	
Allen	Yang	allen.yang@fcc.gov	FCC	Y	N
Stephen	Blust		AT&T	Y (phone)	
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Rob	Kubik		Samsung	Y (phone)	
Damon	Ladson		Wiltshire Grannis	Y (phone)	
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Mike	Lynch		MJ Lynch and Associates	Y (phone)	
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Alan	Rinker		Boeing	Y (phone)	N
Marie	Royce		Alcatel Lucent	Y (phone)	
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