



## DRAFT MEETING MINUTES

Meeting: IWG-4 (7<sup>th</sup> Meeting)

Date/Time: Monday, July 27, 2009; 1:00-3:00 PM

Location: The Boeing Company  
1200 Wilson Boulevard  
Arlington, Virginia

Committee Members Present: (see attached list)

FCC Employees Present: A. Roytblat (DFO) (by phone), Michael Mullinix, Larry Olson (by phone)

### Meeting Summary:

#### 1. Introductions/Appointment of Minutes Taker

The participants in the room and on the telephone introduced themselves. The meeting was open to the public and a total of 34 persons participated. The Chairman asked the vice-Chairman (Mr. Albuquerque) to take the minutes of the meeting.

#### 2. Approval of Agenda.

Ms. Allison noted that Doc. IWG-4/031, containing a Preliminary View on WRC-11 Agenda Item 1.2, should be added to item 7 of the agenda. Items 6 and 7 were interchanged under the theory that consideration of draft preliminary views would take a lesser period of time than consideration of draft proposals.

#### 3. Approval of Minutes of 6th Meeting (Doc. IWG-4/025)

Ms. Allison indicated her appreciation to Ms. Baum (Motorola) for drafting the minutes and making them available immediately after the 6<sup>th</sup> meeting. The minutes were approved with no changes.

#### 4. Update on U.S. WRC Preparations

Mr. Williams informed that RCS meetings will be held on August 6, September 3<sup>rd</sup> and October 1<sup>st</sup>. He further indicated that currently there are no plans for generating proposals for agenda items 7 or 8.2. However, draft proposals for agenda items 1.2 and 1.6 could appear soon.

Mr. Jansky asked whether in addition to the WAC meeting scheduled for September 1<sup>st</sup> there would be any other WAC meetings before the CITELE PCC II meeting to be held in early November. Mr. Jansky noted that it would be desirable for the WAC to have the opportunity to react to the outcomes of the September 3<sup>rd</sup> and October 1<sup>st</sup> RCS meetings. Mr. Roytblat clarified that the WAC Chairman and Vice-Chairman meeting to be held on August 27 will address the need for scheduling another WAC meeting before the upcoming CITELE PCC II meeting.

5. Review of Recent Activities  
- Radio Regulations Board Meeting

Ms. Zoller presented a summary of the most important matters addressed by the RRB during its July 2009 meeting. In particular, Ms. Zoller addressed the following points:

- (i) all BR decisions with respect to the cancellation of frequency assignments in accordance with RR No.13.6 were confirmed by the RRB (in one specific case no confirmation was necessary as the frequency assignments in question had been canceled by the filing administration before the RRB meeting);
- (ii) discussions on Resolution 80 proceeded (report to WRC-12 will be prepared by the Board to be elected in 2010);
- (iii) there was discussion about generating a Rule of Procedure for RR No.13.6, but there was no decision to develop one at this point in time;
- (iv) discussion about Annex 6 of the BR Director's report to the RRB meeting (Document RRB09-2/4) on "Considerations regarding the status of assignments involved in harmful interference situations"
- (v) the RRB approved several RoPs but did not approve a proposed RoP for RR No.9.21 (suggested simplifications; note consequences of the RoP in the associated Decision), which will be considered again at the November 2009 meeting.

6. Consideration of Preliminary View Documents  
- Document IWG-4/031 (PV on Agenda Item 1.2)

Mr. Ladson presented Document IWG-4/031 (PV on Agenda Item 1.2), which is co-authored by Ms. Maimo. This document contains an agreed text for this Preliminary View after long discussions among the several interested parties. The document was approved to be sent to the September 1<sup>st</sup> WAC meeting.

Mr. Jansky suggested that the same document could become a draft proposal. Views were expressed that a draft proposal should contain specific changes to the RR or state that NOC to the RR is required. Ms. Allison pointed out that less specific proposals have been submitted to WRCs in the past.

- Document IWG-4/013 (NTIA PV on Agenda Item 1.2)

It was agreed that Document IWG-4/031 constitutes the IWG-4 reaction to the NTIA Preliminary View on agenda item 1.2.

- Document IWG-4/012 (Intelsat PV on Agenda Item 1.2)

In view of the approval of Document IWG-4/031, Intelsat withdrew Document IWG-4/012.

- Document IWG-4/015Rev1 (SkyTerra PV on Agenda Item 1.2)

In view of the approval of Document IWG-4/031, SkyTerra withdrew Document IWG-4/015Rev1. Mr. Ladson further indicated that SkyTerra is not currently intending to address matters related to Integrated MSS Systems within agenda item 1.2.

## 7. Consideration of Draft Proposals

- Document IWG-4/023Rev1 (BIU and Resolution 49 Data)

Mr. Wengryniuk presented Document IWG-4/023Rev1 (Draft Proposal on Agenda Item 7) incorporating changes that had been suggested during the discussion of the document at the last IWG-4 meeting. In particular, a new Resolution (“BIU”) and more extensive changes to Resolution 49 were introduced.

Mr. Jansky noted that when referring to “associated resolution 49 data” in resolves 4 of the proposed Resolution BIU, it should be made clear that such data must match the actual satellite in orbit. Mr. Wengryniuk noted that such kind of observation would fit better in Resolution 49.

Mr. Albuquerque noted that the changes introduced in Resolution 49 would still allow confirmation of BIU and Resolution 49 to be submitted to the BR a long time after the actual bringing into use of the frequency assignments. Mr. Albuquerque believes that

both the confirmation of BIU and Resolution 49 data should be jointly submitted shortly after (e.g. 1 month after) the actual bringing into use of the frequency assignments.

A revised version of the draft will be prepared for consideration at the next meeting.

- Documents IWG-4/026 (Nos.9.51 & 9.52) and IWG-4/027 (List of Networks)

Mr. Albuquerque introduced the two documents (Draft Proposals on Agenda Item 7). Document IWG-4/027 proposes that a definitive list of administrations and corresponding satellite networks with which coordination under No.9.7 needs to be effected be identified by the BR as early as possible in the coordination process (currently the list of satellite networks generated by the BR is “for information only”). Document IWG-4/026 proposes that lack of response from an administration under No.9.52 of the Radio Regulations be understood as an indication that coordination with one or more of its networks be required.

Two preliminary views on these two issues were presented to the June meeting of CITELE PCCII and the draft proposals add the specific changes to the Radio Regulations that would be required to implement the previously proposed concepts.

Mr. Jansky suggested that a short summary of the intent of each proposal be added to the document as the background sections, especially in Document IWG-4/027, is a bit too long.

A revised version of the draft will be prepared for consideration at the next meeting.

- Document IWG-4/028 (Integrated MSS Systems)

Mr. Tycz introduced Document IWG-4/028 (Draft Proposal on Agenda Item 7). The document proposes changes to Article 9, Article 11 and Appendix 4 in order to allow the notification and recording of the Complementary Ground Component (“CGC”) stations of Integrated MSS systems. In addition a new Resolution, referred to in Articles 9 and 11, is proposed in order to make CGC stations part of the MSS coordination procedures.

Mr. Wengryniuk asked about coordination of CGC stations with terrestrial stations of another administration that does not have an MSS network. Mr. Ladson clarified that coordination between terrestrial systems of two administrations is usually addressed in bilateral discussions between the two administrations without any specific trigger in the Radio Regulations.

Mr. Gilson noted that the frequencies used by Terrestar should also be included in the proposed draft Resolution. He observed in addition that coordination of an MSS network with terrestrial stations of another administration may be triggered by the pfd values contained in Table 5-2 of Appendix 5 of the RR. Mr. Gilson also noted that changes to Note 3 to this Table 5-2 would be required as, in the context of IMT-2000 systems, it is

stated that satellite and terrestrial components are not intended to operate in the same frequency bands.

This document will be addressed again at the next IWG-4 meeting.

- Document IWG-4/030 (WRC-15 Agenda Item on Use of the 5091-5150 MHz Band)

Mr. Weinreich introduced this document (Draft Proposal on Agenda Item 8.2). It is proposed that item 2.2 of the WRC-15 preliminary agenda contained in Resolution 806 (use of the band 5091-5150 MHz) be kept without any changes.

Mr. Cramer suggested that in the “Reasons” for NOC reference to the compatibility with the Aeronautical Mobile Service be also included.

Mr. Weinreich was reluctant to make such reference because the sharing between FSS feeder links to non-GSO MSS systems and AMS had been already considered before WRC-07 when the primary allocation to the AMS was added to the table of frequency allocations.

Mr. Roytblat noted that this document should be brought to the attention of IWG-1 and IWG-3. It was agreed that the chairmen of IWG-1 (Ms. Creeser) and IWG-3 (Mr. Wengryniuk), present at the IWG-4 meeting, would bring Document IWG-4/030 to the attention of their respective groups.

It was further agreed that Mr. Weinreich and Mr. Cramer would be in contact before the next meeting in order to find a possible solution for the point raised by Mr. Cramer.

This document will be addressed again at the next IWG-4 meeting.

#### 8. Consideration of Other Agenda Items (1.6, 2, 4, 8.1)

There was no discussion at the meeting about these WRC-07 agenda items.

Ms. Allison circulated a template prepared by NTIA for work on agenda item 4 (Review of Resolutions and Recommendations) (but no contribution on this agenda item have been received. The template is Document IWG-4/032.

#### 9. Future Meetings

The next meeting of IWG-4 was scheduled for August 14 (Friday) from 10.00 AM to 12:00 PM.. Location is still to be announced.

10. Other Business

There was no other business.

Documents Distributed:

Draft Agenda IWG-4/029r1; Draft Minutes IWG-4/25; Draft Preliminary View (A.I. 1.2) IWG-4/31; Draft Proposals (A.I. 7) IWG-4/23r1, IWG-4/26, IWG-4/27, IWG-4/28, and (A.I. 8.2) IWG-4/30; Template for A.I. 4 (Resolutions and Recommendations) IWG-4/32.

<b>IWG-4 PARTICIPANTS</b>					
<b>Name</b>		<b>Representing</b>	<b>Role</b>	<b>Minutes</b>	<b>MTG 7/27/09</b>
Albuquerque	Jose	Intelsat	Vice-Chair	7/27/2009	yes
Allison	Audrey	Boeing	Chair		yes
Baum	Kim	Motorola		7/8/2009	phone
Cramer	Joe	Boeing			yes
Creeser	Giselle	Lockheed Martin			yes
DiLapi	Christine	Mitre			phone
Drazenovich	Darlene	NTIA			phone
Gilsenan	John	Terrestar		3/11/2009	yes
Hoff	Ellen	Pritchard			phone
Holiday	Cecily	State			phone
Jansky	Don	JanskyBarmat		1/29/2009	yes
Kaltenmark	Steve	TelecomStrategies			phone
Kotler	Scott	NTIA			yes
Ladson	Damon	Harris Wiltshire		2/23/2009	yes
Lynch	Mike	Consultant			phone
Maimo	Angela	Intelsat		3/23/2009	yes
Malloy	Suzanne	DBSD North America			phone
Martin	Kathyn	Access Partners			yes
Mullinix	Michael	FCC			yes
Murphy	Chris	Inmarsat		6/23/2009	yes
Case	Dave	Cisco			phone
Olson	Larry	FCC			phone
Reed	Larry	ASRC			phone
Robinson	Rhys	Terrestar			yes
Roytblat	Alex	FCC	DFO		phone
Sanders	Amy	Alcatel Lucent			phone
Sung	LiChing	NTIA			yes
Tycz	Thomas	Goldberg Godles			phone
Walsh	Tom	Consultant			phone
Weinreich	David	Globalstar			phone
Wengryniuk	Jack	DirecTV			yes
Whyte	Wayne	NASA			phone
Williams	Jonathan	NTIA			phone
Zoller	Julie	ITT			yes