

# FINAL MINUTES

## **Minutes of the Second Meeting of the FCC Advisory Committee for the 2007 World Radiocommunication Conference (WRC-07)**

Date/Time: June 8, 2004 at 10:00 a.m.

Location: Federal Communications Commission  
Commission Meeting Room (TW-C305)  
445 12th Street, S.W., Washington, D.C.

Committee Members Present: See Appendix 1

FCC Employees Present: See Appendix 2

Meeting Summary:

### **1. Opening Remarks**

Ms. Victory, Chair and Mr. Hadinger, Vice-Chair expressed their appreciation to the informal working groups for moving things along and for the amount of work accomplished.

### **2. Approval of the Agenda**

The agenda, Document **WAC/006(08.06.04)**, was approved without change.

### **3. Approval of the Minutes of the First Meeting**

The minutes, Document **WAC/005(30.01.04)**, were approved without change.

### **4. Report on Recent WRC-07 Preparatory Meetings**

Mr. Roytblat introduced Documents **WAC/007A(08.06.04)** and **WAC/007B(08.06.04)** that reported on the March preparatory meetings of the CEPT CPG Project Teams 2 and 3, respectively. He said that these reports give a good overview of the European thinking.

These documents were noted for information.

### **5. NTIA Draft Preliminary Views**

Ms. Victory expressed her appreciation for the progress that the National Telecommunications and Information Administration (NTIA) had made in drafting its preliminary views and noted that NTIA's output had helped the informal working groups to focus on the issues. She reported that the draft preliminary views enclosed with NTIA's letters 30 April, 7 May, and 28 May, Documents **WAC/008(08.06.04)**, **WAC/009(08.06.04)**, and **WAC/010(08.06.04)**, respectfully, had been circulated to each of the informal working groups for comments. The arrival of the last letter had been too late for the informal working groups to consider before this meeting of the advisory committee.

Mr. Vorhies of NTIA reported that their objective would be to review the output from this meeting at its Radiocommunication Conference Subcommittee (RCS) meeting next week.

The NTIA letters and enclosures were noted.

## **6. IWG Reports and Consideration of Preliminary Views**

### **a. IWG Terms of Reference**

The compilation of the "Terms of Reference for the Informal Working Groups", Document **WAC/011(08.06.04)**, was approved without change.

### **b. Status Reports and Consideration of Preliminary Views**

#### **IWG-5: Regulatory Issues**

Ms. Baum, Vice-Chair, said she was giving the report for IWG-5 since the Chair was attending a meeting in Geneva. She reported that IWG-5 had held three meetings and had the following three preliminary views to present for approval:

Agenda Item 1.10: Document **WAC/012(08.06.04)**, a draft preliminary view, was approved.

Agenda Item 1.12: Document **WAC/013(08.06.04)**, a draft preliminary view, was approved.

Agenda Item 2: Document **WAC/014(08.06.04)**, a draft preliminary view, was approved.

Ms. Baum noted that none of the RCS items addressed WRC-07 agenda items assigned to IWG-5.

Ms. Baum announced that the next meeting of IWG-5 would be on June 29 at 2:00 p.m. at Boeing.

#### **IWG-4: Broadcasting and Amateur Issues**

Mr. Fisher, Chair of IWG-4, reported that IWG-4 held 3 meetings and had one draft preliminary view to present for approval:

Agenda Item 1.15: Document **WAC/015(08.06.04)**, a draft preliminary view, was approved.

Mr. Fisher noted that there were three NTIA draft preliminary views on WRC-07 agenda items that have been assigned to IWG-4 and gave the following comments:

Agenda Item 1.15: NTIA's draft preliminary view was consistent with the one developed by IWG-4 and any differences between the two could be worked out.

Agenda Item 1.13: IWG-4 had no comment since they had not reviewed or considered it.

Agenda Item 1.6: IWG-4 had had no chance to review and would consider and address at the next meeting.

Mr. Fisher announced that the next meeting of IWG-4 would be on August 10.

### **IWG-3: IMT-2000 and 2.5 GHz Sharing Issues**

Ms. Cohen, Chair of IWG-3, reported that IWG-3 had held three meetings and had two draft preliminary views to be considered for approval today:

Agenda Item 1.4: Document **WAC/016(08.06.04)**, a draft preliminary view, was approved.

Agenda Item 1.9: Document **WAC/017(08.06.04)**, a draft preliminary view supporting ongoing studies without further consideration of the mobile-satellite service, generated some discussion in the meeting.

Bill Wallace, representing Globalstar, a current provider of mobile-satellite service in the U.S., stated that Globalstar particularly objected to views 3 and 4 proposing the elimination of the mobile-satellite service allocation in Region 2 in light of terrestrial mobile operations there. He said that he had not been to the meetings of IWG-2 but pointed out that it would be premature to make such a statement as there were some premises that needed to be considered. First, in view 2, there were feasible ways to protect terrestrial fixed services from the mobile-satellite service (ITU-R Recommendation M.2041). In view 3, he stated that it was premature to say that Region 2 countries had no plans to implement mobile-satellite services in the 2.5 GHz band because neither Brazil, Canada, nor Mexico were proposing terrestrial mobile services. He emphasized that without awaiting future developments in countries, we would fail to consider possibilities for sharing.

Bruce Jacobs of Shaw Pittman, representing Mobile Satellite Ventures, said that he had a similar comment in terms of prematurity. He said that he too did not participate in IWG-3 but had concerns that this was premature in light of the U.S. ATC terrestrial component proceeding considering a single operator operating both a

mobile-satellite service and a mobile service (or what might be considered as a mobile service) in this band that demonstrated some possibility for sharing.

At Ms. Victory's suggestion, the preliminary view was sent back to IWG-3 for further discussion. She requested the commenters to give their e-mail addresses to the IWG-3 Chair and to attend the next IWG-3 meeting so that a further discussion of the draft preliminary view could have the benefit of their views. Ms. Cohen welcomed the commenters to attend its next meeting that was scheduled for July 28 at 2 p.m. at the FCC.

Ms. Cohen stated that IWG-3 had had no formal discussions on the RCS draft preliminary views on WRC-03 Agenda Items 1.4 and 1.9 and did not have any comments at this time.

## **IWG-2: Satellite Services and HAPS**

Mr. Baruch, Chair of IWG-2, reported that IWG-2 had held five meetings and developed five draft preliminary views and two sets of comments on RCS draft preliminary views. He presented the following documents for approval:

Agenda Item 1.6 (Resolution 415): Document **WAC/018(08.06.04)**, a draft preliminary view, was approved.

### Agenda Item 1.8:

- Document **WAC/019(08.06.04)**, a draft preliminary view addressing Resolution 122, High Altitude Platform Stations (HAPS) at 47 GHz, was stated by Mr. Baruch to be fairly close to the RCS preliminary view on Resolution 122.

The IWG-2 draft preliminary view (Resolution 122) was approved.

- Document **WAC/020(08.06.04)** recommended changes to the background section of the RCS preliminary view (Resolution 145) to more accurately reflect decisions at previous WRCs. IWG-2 also recommended an additional view that recognizes the regulatory status of (HAPS) in the United States (i.e., on a non-interference/non-protected basis).

The document setting forth IWG-2's recommendations on the RCS draft preliminary view (Resolution 145) was approved.

### Agenda Item 1.18:

- Document **WAC/021(08.06.04)**, a draft preliminary view was approved.
- Document **WAC/022(08.06.04)**, comments on an RCS draft preliminary view: Mr. Baruch said that IWG-2 was in general agreement with the RCS preliminary view except for the second sentence in U.S. view 2 which was deemed "too specific" as it addresses only 2 or 3 Highly Inclined Orbit (HIO) systems. IWG-2 proposed a more general statement in its preliminary view that focused on more realistic assumptions in sharing studies between the

fixed service and the fixed-satellite service. He believed that reconciliation with NTIA could be achieved quickly.

The document setting forth IWG-2's comments on the RCS draft preliminary view was approved.

Agenda Item 1.19: Document **WAC/023(08.06.04)**, a draft preliminary view, was approved.

Agenda Item 1.21: Document **WAC/024(08.06.04)**, a draft preliminary view, was approved.

Mr. Baruch said that IWG-2 had considered the first two sets of NTIA draft preliminary views with comments as follows:

Agenda Item 1.7: No Objection.

Agenda Item 1.8: IWG-2 has its own preliminary view (Resolution 122) that stands as comments on the RCS preliminary view.

Agenda Item 1.17: IWG-2 has not completed consideration and has no comments at this time.

Agenda Item 1.18: IWG-2 has a preliminary view and has commented on the RCS preliminary view.

Agenda Items 1.19 and 1.21: IWG-2 has its own preliminary views.

Agenda Item 1.6 (Resolution 415): IWG-2 has not considered the RCS preliminary view because it was in the last transmission from NTIA.

Jeff Binckes of Jeff Binckes Associates, LLC asked a question about some language that came out of the last conference (that he thought might be Resolution 145) on monitoring interference in parts of the 5 GHz band. Mr. Roytblat could not recall a resolution on this, but noted that this was not an agenda item for WRC-07 and recommended that Mr. Binckes follow ITU-R Working Party 8A where this was being discussed.

Mr. Baruch announced that the next meeting of IWG-2 would be either the week before or the week after Labor Day.

### **IWG-1: Terrestrial and Space Science Services**

Ms. Warren, Chair of IWG-1, reported that IWG-1 had held three meetings and developed the following two draft preliminary views that she was presenting for approval:

Agenda Item 1.2: Document **WAC/025(08.06.04)**, a draft preliminary view (18 GHz portion only), was approved.

Agenda Item 1.5: Document **WAC/026(08.06.04)**, a draft preliminary view, was approved.

She noted that NTIA had draft preliminary views on WRC-07 agenda items assigned to IWG-1 and presented the following comments:

Agenda Item 1.2: There is a difference between the draft preliminary views developed by IWG-1 and NTIA. IWG-1 does not support the RCS view on the 18 GHz portion of the preliminary view. It does not yet have comments on the rest.

Agenda Item 1.5: IWG-1 supports the RCS views.

Agenda Item 1.3: No comments yet.

Agenda Items 1.14 and 1.16: These were circulated to IWG-1 participants but, inasmuch as no objections had been received by the Chair, IWG-1 has no objections at this time.

Ms. Warren announced that the next meeting of IWG-1 was planned for a date in the first half of August.

Ms. Victory thanked the informal working groups for their work. She emphasized the importance of participation so that issues would be resolved early. Mr. Hadinger said that it was early in the process, and it may be imperfect, but participation would be crucial to getting the best results. He cautioned that band changes needed to be watched since we did not want any last minute surprises.

## **7. Future Meetings**

Mr. Roytblat announced that the timeline document (**WAC/004(Rev. 08.06.04)**) had been updated. He pointed out the upcoming regional meetings and also noted the Special Committee meeting in October as something to follow.

The next meeting of the advisory committee was tentatively scheduled for September 27, 2004.

## **8. Other Business**

There being no further business, the meeting adjourned at approximately 11:05 a.m.

Documents Distributed:

- WAC/004 WRC-07 Preparatory Timeline (Rev. 08.06.04)
- WAC/005 Draft Minutes of the 1<sup>st</sup> WRC-07 Advisory Committee Meeting
- WAC/006 Agenda for the 2<sup>nd</sup> WRC-07 Advisory Committee Meeting
- WAC/007A Report on CEPT CPG Project Team 2 Meeting, March 2-3, 2004
- WAC/007B Report on CEPT CPG Project Team 3 Meeting, March 4-5, 2004
- WAC/008 NTIA letter, 30 April 2004, w/draft preliminary views on WRC-07 Agenda Items 1.2, 1.3, 1.4, 1.5, 1.7, 1.8, 1.9, 1.13, 1.17, 1.18 and 1.19
- WAC/009 NTIA letter, 7 May 2004, w/draft preliminary views on WRC-07 Agenda Item 1.21
- WAC/010 NTIA letter, 28 May 2004, w/draft preliminary views on WRC-07 Agenda Items 1.6, 1.14, 1.15 and 1.16
- WAC/011 Terms of Reference for the Informal Working Groups
- WAC/012 Draft Preliminary View on WRC-07 Agenda Item 1.10 (IWG-5)
- WAC/013 Draft Preliminary View on WRC-07 Agenda Item 1.12 (IWG-5)
- WAC/014 Draft Preliminary View on WRC-07 Agenda Item 2 (IWG-5)
- WAC/015 Draft Preliminary View on WRC-07 Agenda Item 1.15 (IWG-4)
- WAC/016 Draft Preliminary View on WRC-07 Agenda Item 1.4 (IWG-3)
- WAC/017 Draft Preliminary View on WRC-07 Agenda Item 1.9 (IWG-3)
- WAC/018 Draft Preliminary View on WRC-07 Agenda Item 1.6 (Resolution 415) (IWG-2)
- WAC/019 Draft Preliminary View on WRC-07 Agenda Item 1.8 (Resolution 122) (IWG-2)
- WAC/020 Comments on NTIA Draft Preliminary Views on WRC-07 Agenda Item 1.8 (Resolution 145) (IWG-2)
- WAC/021 Draft Preliminary View on WRC-07 Agenda Item 1.18 (IWG-2)
- WAC/022 Revisions to NTIA Draft Preliminary View on WRC-07 Agenda Item 1.18 (IWG-2)
- WAC/023 Draft Preliminary View on WRC-07 Agenda Item 1.19 (IWG-2)
- WAC/024 Draft Preliminary View on WRC-07 Agenda Item 1.21 (IWG-2)
- WAC/025 Draft Preliminary View on WRC-07 Agenda Item 1.2 (IWG-1)
- WAC/026 Draft Preliminary View on WRC-07 Agenda Item 1.5 (IWG-1)

**MINUTES**  
**Appendix 1**  
**WRC-07 Advisory Committee Attendance**  
**Second Meeting – June 8, 2004**

<b>Last Name</b>	<b>First Name</b>	<b>Occupation Or Affiliation</b>
Albuquerque	Jose	PanAmSat
Assefa	Lily	DSO/Alion
Baruch	Steve	Leventhal Senter & Lerman PLLC
Baum	Kim	SES Americom, Inc.
Bell	Henry	Scitor Corp./DoD
Binckes	Jeffery	Jeff Binckes Associates, LLC
Burns	Mark	ITT/NASA
Byrd	James	Booz Allen Hamilton
Cohen	Cecily	Nokia Inc.
Conner	Jerry	ITT Industries
De La Torre	Mindel	Telecommunications Management Group (TMG), Inc.
Drazenovich	Darlene	NTIA
Fisher	Ben	Shaw Pittman LLP
Green	Katherine	ITT Industries
Hadinger	Peter	Northrop Grumman
Hofer	Chris	NTIA
Hutchings	Suzanne	ICO
Hutchison	Kris	Aeronautical Radio, Inc.
Jacobs	Bruce	Shaw Pittman for MSV
Kaltenmark	Steve	Telecom Strategies
Keane	Ken	Duane Morris LLP
Kirby	Paul	Telecom Reports
Knoblach	Jerry	Space Data Corp.
Latker	Alex C.	RKF Engineering, LLC



<b>Last Name</b>	<b>First Name</b>	<b>Occupation Or Affiliation</b>
Lewellen	Mark N.	SFA for U.S. Army
Maimo	Angela	INTELSAT
Messer	Don	IBB
Mitchell	William	NTIA
Nasser	Raafat	DoD/Arrowhead
Pierce	Dave	Alion Science/DoD
Prater	Tiara	Boeing
Puckett	Ralph	DoD
Reed	David	Scitor
Renshaw	Alan	Danna Lorp for Dept. of Navy
Rivera	Carmelo	U.S. Department of Commerce/NOAA
Rubin	Phil	RFK Engineering, LLC
Schimmel	Eric	Space Data Corp.
Silva	J.	RCR
Siverling	Jon	ARRL
Taylor	Shayla	TT&C
Thoresen	David	Scitor Corp./DoD
Victory	Nancy	Wiley Rein & Fielding LLP
Wallace	William	Globalstar
Walsh	Tom	The Boeing Co.
Warren	Jennifer	Lockheed Martin Corp.
Wasilewski	Tom	Qualcomm
Weaver	Frank C.	Boeing
Weinreich	David	ConneXion by Boeing
Zoller	Julie	ITT Industries

**MINUTES**  
**Appendix 2**  
**WRC-07 Advisory Committee – FCC Representatives**  
**Second Meeting – June 8, 2004**

**Last Name First Name**

Abelson	Don
Dubroof	Linda
Giusti	John
Ibarra	Dante
Jacobs	Ed
Kotler	Scott
Luther	William
Maguire	Tim
Olson	Larry
Patterson	Rockie
Persaud	Sankar
Reed	Larry
Roytblat	Alex
Rush	Charles
Ryder	Ted
Scinto	Blaise
Selwyn	Steven
Sleem	Ziad
Small	Rodney
Spencer	John
Weiland	Donald
Wolf	Marcus
Yachbes	Jack