

# FINAL MINUTES

## **Minutes of the Ninth Meeting of the World Radiocommunication Conference 2003 (WRC-03) FCC Advisory Committee**

Date/Time: June 4, 2002 at 2:00 p.m.

Location: Federal Communications Commission  
Commission Meeting Room (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**

The Chair, Mr. Fontes, opened the meeting by introducing David A. Gross, Deputy Assistant Secretary, International Communications and Information Policy (EB/CIP), Department of State. Mr. Gross spoke on the U.S. preparatory process and the need to examine how to do things better and make decisions sooner as final preparations are made for WRC-03. Mr. Fontes thanked Mr. Gross for coming to today's meeting; and Mr. Abelson, Chief of the FCC's International Bureau, remarked that the work of the advisory committee is vital to effort in final preparations as the regional meetings are fast upon us.

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

The agenda (Document **WAC/103(04.06.02)**) was approved without change.

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

The draft minutes of the eighth meeting of the WRC-03 Advisory Meeting (Document **WAC/102(04.04.02)**) were approved without change.

### **4. Status of Preliminary Views and Proposals**

Mr. Roytblat briefly summarized the current status of the draft proposals.

## 5. Reports from regional WRC-2003 Preparatory Meetings

Mr. Roytblat reported on the results of CEPT CPG PT2 and PT3 meetings that were held in Helsinki 22-24 May and 27-29 May 2002 (Documents **WAC/104A(04.06.02)** and **WAC/104B(04.06.02)**), respectively.

## 6. NTIA Draft Preliminary Views and Proposals

Four letters from NTIA (Documents **WAC/005(04.06.02)**, **WAC/106(04.06.02)**, **WAC/107(04.06.02)**, and **WAC/108(04.06.02)**) forwarding NTIA approved draft proposals for WRC-03 Agenda Items 1.5, 1.12c, and 1.24 were noted and had been circulated to the IWGs for their consideration.

## 7. IWG Reports and Consideration of Preliminary Views or Draft Proposals

### **IWG-1 IMT-2000 and Terrestrial Wireless Interactive Multimedia**

Mr. Roytblat gave the report for IWG-1 since the Chair, Vice-Chair, and FCC Coordinator were attending an ITU-R WP 8F meeting in Ottawa, Canada. He reported that IWG-1 held one meeting on May 10 but did not have any new proposals. The next meeting was scheduled for June 12<sup>th</sup> at 2:00 p.m.

### **IWG-2 Mobile-Satellite Service including GPS**

Mr. Baruch, Chair of IWG-2, reported that his group held two meetings since the last meeting of the advisory committee and approved a new draft proposal (joint proposal by IWG-2 and IWG-3) and a modification to a previous draft proposal. He noted that with respect to the new draft proposal, Recommendation **66** had received a lot of discussion in ITU-R TG 1/7. The advisory committee took the following actions on these draft proposals:

Agenda Item 1.8.2: Document **WAC/109(04.06.02)**, a joint draft proposal by both IWG-2 and IWG-3, was approved.

Agenda Item 1.15a: Document **WAC/110(04.06.02)**, a modification to a previously adopted draft proposal, was approved.

Mr. Baruch advised that NTIA's proposed changes to the draft proposal for WRC-03 Agenda Item 1.31 (to consider the additional allocations to the mobile-satellite service in the 1-3 GHz band in accordance with Resolutions **226** and **227 (WRC-2000)**) had been reviewed. NTIA's Radio Conference Subcommittee (RCS) proposed the addition of a single sentence to the draft U.S. proposal in the section of the proposal dealing with "background information." The proposed additional sentence reads as follows:

“Resolution 227 noted that due to incompatibility between MSS and MetSats/MetAids, no further study is required on sharing in the 1675-1683 MHz and the 1690-1710 MHz bands.”

After considerable discussion in IWG-2, consensus was reached that there was no objection in principle to the addition of this sentence, but the committee recommended an editorial change in that sentence as follows:

“Resolution 227 observed that no further study is required on sharing in the 1675-1683 MHz and 1690-1710 MHz bands, due to incompatibility between MSS and existing services in these bands.”

The recommendation of IWG-2 was approved.

**IWG-3 Fixed-Satellite Service/Broadcasting-Satellite Service**

Ms. Creeser, Vice-Chair of IWG-3, reported that her group met once since the last advisory committee meeting and approved the draft proposal for WRC-03 Agenda Item 1.8.2 (Document **WAC/109(04.06.02)**) that was a joint proposal with IWG-2 which was presented at today’s meeting in the IWG-2 report. It also approved a modification to a previously adopted draft proposal for WRC Agenda Item 1.37 as presented the following document:

Agenda Item 1.37: Document **WAC/111(04.06.02)**, draft proposal was approved.

The next meeting of IWG-3 has not been scheduled; it will take place when there are documents ready to be considered.

**IWG-4 Fixed Service/Fixed-Satellite Service Sharing**

Mr. Wengryniuk, Chair of IWG-4, reported that his group held two meetings (on May 1st and 30th) since the last meeting of the full advisory committee and had three documents to present. The first was an additional proposal for WRC-03 Agenda Item 1.26. This was done as a separate item because the original document had not come out of the FCC/NTIA reconciliation process yet. (Mr. Fontes remarked that this underscored the need to move items expeditiously through the reconciliation process.) The other two items related to WRC-03 Agenda Item 1.32 (one dealt with Resolution **84** and the other with Resolution **128**). These documents were presented as follows:

Agenda Item 1.26: Document **WAC/112(04.06.02)**, additional draft proposal was approved.

Agenda Item 1.32 (Resolution 84): Document **WAC/113(04.06.02)**, draft proposal was approved.

Agenda Item 1.32 Resolution 128: Document **WAC/114(04.06.02)**, draft proposal was approved.

**IWG-5 5 GHz, 13.75-14 GHz and Maritime Issues**

Mr. Jansky, Chair of IWG-5, reported that his group had received an RCS proposal on WRC-03 Agenda Item 1.24 at its last meeting and that John Martin, FCC, had indicated that the Department of State and the Department of Defense wanted to accept the item. Nevertheless, the Chair wanted to obtain a consensus view from the satellite industry on the proposal.

Mr. Jansky noted that NTIA had a proposal for WRC-03 Agenda Item 1.5 in Document **WAC/106(04.06.02)** and that IWG-5 had a proposal in Document **WAC/115(04.06.02)** that was different from the NTIA proposal. He then described the IWG-5 proposal and noted that it was endorsed by the RLAN community. He further noted that the ARRL had provided an agreed-upon letter, outlining its concerns with the RLAN proposal, for inclusion in the Agenda Item 1.5 documents to be approved by the WAC and forwarded to the FCC. Mr. Jansky also noted that Globalstar had recently expressed its views and provided a letter to that effect. He called upon the FCC to convene a meeting with NTIA and the parties involved to seek a resolution so that this item could be moved forward.

Mr. Fontes opened the floor to questions, and the following comments were presented:

- 1) Mr. Damon Ladson of Harris, Wiltshire, representing the interests of Microsoft, Intel, Apple, and CISCO, asked why the Globalstar objection did not come up before and asked that the Globalstar letter not go forward and that Globalstar's comments be made when the FCC put the proposal out for public comment.
- 2) David Weinreich, Spectrum Manager for Globalstar, asked the Chair to disregard the comment of Mr. Ladson. He said that Globalstar had been a participant on IWG-5 early on but was not able to attend all meetings due to company downsizing and other factors. He emphasized that this was a significant statement setting forth the concerns of Globalstar and other participants that have MSS feeder uplinks in the 5150-5250 MHz band.
- 3) Jeffrey Binckes, Director of Spectrum Engineering, ICO Communications, said that he was not at the meeting, but his company used the 5150-5200

MHz band for their feeder links. They had a gateway station at Brewster, Washington and were a U.K. registered company that was 50% U.S. owned. ICO supported Mr. Weinreich's letter going in as it made very good sense, and the FCC should also support it if it wished to nurture the MSS industry.

- 4) Carl Stevenson of Agere Systems said he had been a participant in IWG-5 for many meetings and found the last minute objections better dealt in response to the FCC public notice. He said that there were fundamental errors in the assertions made in the Globalstar letter.
- 5) Damon Ladson spoke again by noting that he was not on the IWG-5 e-mail list but found time to attend the meetings. He again asserted that it was inappropriate for the advisory committee to send the Globalstar letter to the FCC. He said that it should be treated as a comment to a public notice.
- 6) Don Jansky pointed out that the sooner we get into the reconciliation process the better off we would be so that is why he recommended that it go forward.
- 7) David Siddall, representing Atheros Communications, said that being on the e-mail list is not the issue. It is appropriate and imperative that the proposal go out without the Globalstar letter.
- 8) David Weinreich agreed that he was derelict in not attending the IWG-5 meetings but said IWG-5 was also derelict by not considering the MSS community.

Mr. Fontes remarked that one of the purposes of the advisory committee was to have people present a diversity of views. Usually, this was accomplished at the IWG level, but sometimes not. Mr. Fontes said that he would like to see that the differing opinions are reflected and felt that the recommendation by IWG-5 to include the ARRL and Globalstar correspondence would be the most encompassing of the proposals. He therefore was inclined to take the recommendation of the IWG-5 Chair to include these views. In answer to the Chair's request for comments, Mr. Ladson requested that if it is decided that the Globalstar letter go forward, it would be recorded that the letter was not considered by IWG-5. Mr. Fontes noted Mr. Ladson's remarks, and it was approved that the ARRL and Globalstar correspondence go forward.

#### **IWG-6 Public Protection and Other Issues**

Mr. Ireland, Vice-Chair of IWG-6, reported that two meetings were held since the last meeting of the advisory committee with the last one held yesterday. Of

four draft proposals under consideration, two were approved at yesterday's meeting and were presented for approval today:

Agenda Item 1.23: Document **WAC/116(04.06.02)**, draft proposal was approved.

Agenda Item 1.38: Document **WAC/117(04.06.02)**, draft proposal was approved.

Mr. Ireland reported that proposals for WRC-03 Agenda Items 1.3 and 1.36 remain to be completed and should be ready for presentation at the next meeting of the advisory committee. He also noted that the next meeting of IWG-6 would take place on June 25<sup>th</sup>.

#### **IWG-7 Regulatory Issues and Future Agendas**

Ms. Allison, Chair of IWG-7, reported that IWG-7 met on May 22 and that the next meeting would be held on June 25 at Boeing. Agenda Item 1.30 would be considered among others. She noted that the preliminary report of the BR was available and that Larry Reed had put together a document of concerns. In regard to WRC-03 Agenda Item 7.2, the group would be going over Resolution **803** and will be looking at Resolution **95**. The U.S. Views on all the Resolutions and Recommendations had been put together by Larry Reed. Mr. Fontes thanked Mr. Reed for his efforts and noted the importance of this work.

Ms. Allison also advised that the next meeting on the Special Committee would be held next Tuesday at 9:30 a.m. at Boeing.

#### **7. Future Meetings**

Mr. Roytblat noted that a further update of the preparatory timeline (Document **WAC/006(04.06.02)**) was distributed for this meeting. [A corrected copy of the timeline document was made available on the WRC-03 web site following the meeting.]

A discussion of the date for the next meeting of the advisory committee took place noting that the Commission Meeting Room would not be available on the tentatively scheduled date of July 25<sup>th</sup>.

It was decided to have the next meeting early enough during the week of July 21 to allow the committees recommendations to be made available in time for consideration by NTIA's Radio Conference Subcommittee (RCS). A date would be determined after consulting with NTIA.

#### **8. Other Business**

Ms. Allison suggested that the FCC and NTIA meet once a month to review the status of all items in the reconciliation process and thought that perhaps this might facilitate moving the

process forward. Mr. Fontes thought it would be in everyone's interest (including the Government) if the items in reconciliation could move forward. Mr. Abelson said that there needed to be a way to resolve issues between the FCC and NTIA, but wasn't sure that sitting down once a month would have the desired effect.

Finally, it was announced that there would be another WAC in the month of July, but that the precise date would be announced in the near future.

With no further business, the meeting adjourned at 3:20 p.m.

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Documents Distributed:

WAC/006	Updated WRC-03 Preparatory Timeline (04.06.02)
WAC/102	Draft Minutes of the 8 <sup>th</sup> WRC-03 Advisory Committee Meeting
WAC/103	Proposed Agenda for 9 <sup>th</sup> WAC-03 Advisory Committee Meeting
WAC/104A	Report on the CEPT CPG PT2 Meeting
WAC/104B	Report on the CEPT CPG PT3 Meeting
WAC/105	NTIA letter (4/11/02) with Draft Proposals for WRC-03 Agenda Item 1.24
WAC/106	NTIA letter (4/17/02) with Draft Proposals for WRC-03 Agenda Items 1.5
WAC/107	NTIA letter (5/16/02) with Modified Draft Proposals for WRC-03 Agenda Item 1.24
WAC/108	NTIA letter (5/24/02) with Draft Proposals for WRC-03 Agenda Item 1.12c and approval of a Draft Preliminary View on WRC-03 Agenda Item 1.22 (IWG-1)
WAC/109	Joint Draft Proposals from IWG-2 and IWG-3 for WRC-03 Agenda Item 1.8.2
WAC/110	Modified Draft Proposals from IWG-2 for WRC-03 Agenda Item 1.15a
WAC/111	Modified Draft Proposals from IWG-3 for WRC-03 Agenda Item 1.37
WAC/112	Additional Draft Proposals from IWG-4 for WRC-03 Agenda Item 1.26
WAC/113	Draft Proposals from IWG-4 for WRC-03 Agenda Item 1.32 (Resolution <b>84</b> )
WAC/114	Draft Proposals from IWG-4 for WRC-03 Agenda Item 1.32 (Resolution <b>128</b> )
WAC/115	Draft Proposals from IWG-5 for WRC-03 Agenda Item 1.5
WAC/116	Draft Proposals from IWG-6 for WRC-03 Agenda Item 1.23
WAC/117	Draft Proposals from IWG-6 for WRC-03 Agenda Item 1.38

**MINUTES**  
**Appendix 1**  
**WRC-03 Advisory Committee Attendance**  
**Ninth Meeting – June 4, 2002**

<b>Last Name</b>	<b>First Name</b>	<b>Occupation or Affiliation</b>
Allison	Audrey	Connexion by BoeingSM
Baruch	Steve	Leventhal, Senter
Bernstein	Jeff	TMG
Binckes	Jeffery	ICO Global Communications
Bosworth	Jen	Compass Rose International
Case	Dave	Cisco
Creeser	Giselle	Telecomm Strategies
Doiron	Steven	INTELSAT
Fisher	Ben	Shaw Pittman
Gould	Richard G.	Telecom Systems
Gross	David A.	Department of State
Haines	Robin	National Telecommunications and Information Administration
Hofer	Chris	Hughes Network Systems
Hutchings	Suzanne	Teledesic/New ICO
Hutchison	Kris	Aeronautical Radio, Inc.
Ireland	Walt	ARRL
Jansky	Don	Jansky/Barmat.com
Keller	Thomas	Association of American Railroads
Kubik	Rob	Motorola
Ladson	Damon	Harris, Wiltshire for Microsoft, Intel, Apple, Cisco
Latker	Alex	Philip A. Rubin Assoc.
Mahoney	Patricia	Final Analysis
Mitani	Brian	INTELSAT
Mitchell	Michael W.	Consultant, Space Technology
Rappoport	Eugene	Winstar
Renshaw	Alan	SFA, Inc.
Roseblatt	Jeff	Winstar
Rosenberg	Eric	Iridium Satellite LLC
Siddall	David	Paul Hastings
Stevenson	Carl	Agere Systems
Trauberman	Jeff	Boeing
Walsh	Thomas M.	Boeing Space and Communications
Weinreich	David	GlobalStar, L.P.
Wengryniuk	Jack	HNS
Wood	John	International Broadcasting Bureau
Zoller	Julie	ITT Industries



**MINUTES**  
**Appendix 2**  
**WRC-03 Advisory Committee – FCC Representatives**  
**Ninth Meeting – June 4, 2002**

<b>Last Name</b>	<b>First Name</b>
Abelson	Don
Armstrong	Linda
Christianson	Donna
Dubroof	Linda
Garfield	Diane
Giusti	John
Jacobs	Ed
Luther	William
Marrangoni	Paul
Martin	John
Netro	Ron
O'Brien	Kathy
Reed	Larry
Stanley	Thomas
Weiland	Donald
Wolf	Marcus