

FINAL MINUTES

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

Date/Time: April 20, 2003 at 10:00 am

Location: Federal Communications Commission
Commission Meeting Room (Room 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 with thanks to the Informal Working Groups for their hard work as evidenced by the large number of documents presented at today's meeting.

2. Approval of the Agenda

The agenda (WAC/011) was approved without change.

3. Approval of the Minutes of the First Meeting

The minutes of the first meeting of the WRC-03 Advisory Meeting (WAC/010) were approved without change.

4. IWG Reports and Consideration of Preliminary Views or Draft Proposals

a. IWG Terms of Reference – Document WAC/012(20.04.01) was noted.

b. Status Reports and consideration of Preliminary Views and Draft Proposals

IWG-1 IMT-2000 and Terrestrial Wireless Interactive Multimedia

Mr. Wye, Vice-Chair, presented three preliminary views that were developed by IWG-1:

Agenda Item 1.21: Document WAC/013(20.04.01) was approved.

Agenda Item 1.22: Document WAC/014(20.04.01) was approved.

Agenda Item 1.33: Document WAC/015(20.04.01) was approved.

IWG-2 Mobile-Satellite Service including GPS

Mr. Baruch, Chair, reported that IWG-7 developed six preliminary views which were presented as follows:

Agenda Item 1.4: Document **WAC/016(20.04.01)** was approved.

Agenda Item 1.6: Document **WAC/017(20.04.01)** was approved.

Agenda Item 1.15: Document **WAC/018(20.04.01)** was approved.

Agenda Item 1.16: Document **WAC/019(20.04.01)** was approved.

Agenda Item 1.20: Document **WAC/048(20.04.01)** was approved.

Agenda Item 1.31: Document **WAC/020(20.04.01)** was approved.

IWG-3 Fixed-Satellite Service/Broadcasting Satellite Service

Mr. Hayden, Chair, reported that IWG-3 completed preliminary views on all the conference agenda items assigned. The following documents were presented:

Agenda Item 1.8.2: Document **WAC/021(20.04.01)** was approved.

Agenda Item 1.11: Document **WAC/022(20.04.01)** was approved.

Agenda Item 1.19: Document **WAC/023(20.04.01)** was approved.

Agenda Item 1.27: Document **WAC/024(20.04.01)** was approved.

Agenda Item 1.29:

[Res. 78] Document **WAC/025(20.04.01)** was approved.

[Res. 136] Document **WAC/026(20.04.01)** was approved.

Agenda Item 1.34: Document **WAC/027(20.04.01)** was approved.

Agenda Item 1.35: Document **WAC/028(20.04.01)** was approved.

Agenda Item 1.37: Document **WAC/029(20.04.01)** was approved.

Agenda Item 1.39: Document **WAC/030(20.04.01)** was approved.

IWG-4 Fixed Service/Fixed-Satellite Service Sharing

Jack Wengryniuk, Chair, reported that IWG-4 had approved five documents on four conference agenda items. They were presented as follows:

Agenda Item 1.13: Document **WAC/031(20.04.01)**

Mark Lewellen, on behalf of Sky Station, referred to the last paragraph and offered additional text so that the preliminary view references Resolution 734. The document was approved as modified.

Agenda Item 1.25: Document **WAC/032(20.04.01)** was approved.

Agenda Item 1.26: Document **WAC/033(20.04.01)**

It was requested that the reference to the 11 GHz band be changed to the 11/14 GHz band. The document was approved as modified.

Agenda Item 1.32:

[Res. 128] Document **WAC/034(20.04.01)** was approved.

[Res. 84] Document **WAC/035(20.04.01)** was approved.

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

Don Jansky, Chair, reported that IWG-5 was assigned seven conference agenda items and had developed preliminary views on three of them. The other four

agenda items were considered by IWG-5 as being primarily of interest to the U.S. Government, but IWG-5 will review any drafts developed by the U.S. Government. The following preliminary views were presented:

Agenda Item 1.14: Document **WAC/036(20.04.01)** was approved with edits to add an issue statement.

Agenda Item 1.24: Document **WAC/037(20.04.01)** was approved.

Agenda Item 1.28: Document **WAC/038(20.04.01)** was approved with edits including the addition of an issue statement.

IWG-6 Public Protection and Other Issues

Mr. Ireland, Vice-Chair, presented three preliminary views developed in IWG-6 on the following conference agenda items:

Agenda Item 1.3: Document **WAC/039(20.04.01)** was approved.

Agenda Item 1.23: Document **WAC/040(20.04.01)**

Larry Reed of the FCC recommended removing the brackets around the word “primary” in the preliminary view. There being no objection, the document was approved with this modification.

Agenda Item 1.38: Document **WAC/041(20.04.01)**

Mark Lewellen, representing the U.S. Army, requested that the phrase, “used by non-amateur services” be deleted and replaced by, “allocated to the radiolocation service on a primary basis as is used”. He also noted that the mobile-satellite service uses a small portion of the band stated in the preliminary view. There being no objection to the proposed substitute wording, the document was approved as modified.

IWG-7 Regulatory Issues and Future Agendas

Ms. Baum, Vice-Chair, presented a draft recommended proposal and four preliminary views:

Agenda Item 1.1: Document **WAC/042(20.04.01)** was approved.

Agenda Item 1.30:

Clarification of BIU Date – Document **WAC/043(20.04.01)**

Strong objections to this document going forward were made by Mr. Thomas Hayden of Teledesic, Ms. Pat Mahoney of Final Analysis, and Ms. Suzanne Hutchison of New ICO. Ms. Baum, noting that it was still early in the process and some of the objections raised today were not previously considered in IWG-7, recommended that the document be returned to IWG-7 for further discussion. There were no objections to doing so, and the document was remanded to IWG-7.

Coordination-Arc approach – Document **WAC/044(20.04.01)** was approved.

Reduction of Data Requirements – Document **WAC/045(20.04.01)** was approved noting that the view indicated caution.

Agenda Item 2: Document **WAC/046(20.04.01)** was approved.

Referral to IWG-3: Proposed modification of footnote **S5.491** – Document **WAC/047(20.04.01)** was noted.

WAC/049(24.05.01)

4. Future Meetings

Ms. Garcia stated that the Third Meeting of the WRC-03 Advisory Committee will be held on May 24, 2001. A third package of NTIA preliminary views is expected next week and will be distributed to the appropriate Informal Working Groups for review before the next meeting.

5. Other Business

Mr. Nebbia of NTIA gave a report on the last CITELE meeting. The only country with a preliminary view at that meeting was Canada. The CPM Chapter documents stating Canadian and U.S. views will be presented at the next CITELE meeting. On public protection, he noted that 700 MHz has some harmony in the Region. The U.S. would like to see more participation by other CITELE countries.

Mr. Giusti of the FCC reported on the February CEPT/ERO/CPG meeting held in Paris, France which was largely organizational. A Terms of Reference was adopted. Annex 5 of the CEPT meeting minutes provides a list of coordination contacts and is accessible at the ERO web site.

With no further business, the meeting adjourned at 11:32 am.

Documents Distributed:

WAC/010	Draft Minutes of 1 st WRC-03 Advisory Committee Meeting
WAC/011	Proposed Agenda for 2 nd WAC-03 Advisory Committee Meeting
WAC/012	Terms of Reference for the Informal Working Groups
WAC/013	Draft Preliminary View for WRC-03 Agenda Item 1.21 (IWG-1)
WAC/014	Draft Preliminary View for WRC-03 Agenda Item 1.22 (IWG-1)
WAC/015	Draft Preliminary View for WRC-03 Agenda Item 1.33 (IWG-1)
WAC/016	Draft Preliminary View for WRC-03 Agenda Item 1.4 (IWG-2)
WAC/017	Draft Preliminary View for WRC-03 Agenda Item 1.6 (IWG-2)
WAC/018	Draft Preliminary View for WRC-03 Agenda Item 1.15 (IWG-2)
WAC/019	Draft Preliminary View for WRC-03 Agenda Item 1.16 (IWG-2)
WAC/020	Draft Preliminary View for WRC-03 Agenda Item 1.31 (IWG-2)
WAC/021	Draft Preliminary View for WRC-03 Agenda Item 1.8.2 (IWG-3)
WAC/022	Draft Preliminary View for WRC-03 Agenda Item 1.11 (IWG-3)
WAC/023	Draft Preliminary View for WRC-03 Agenda Item 1.19 (IWG-3)
WAC/024	Draft Preliminary View for WRC-03 Agenda Item 1.27 (IWG-3)
WAC/025	Draft Preliminary View for WRC-03 Agenda Item 1.29, Res. 78 (IWG-3)
WAC/026	Draft Preliminary View for WRC-03 Agenda Item 1.29, Res. 136 (IWG-3)
WAC/027	Draft Preliminary View for WRC-03 Agenda Item 1.34 (IWG-3)
WAC/028	Draft Preliminary View for WRC-03 Agenda Item 1.35 (IWG-3)
WAC/029	Draft Preliminary View for WRC-03 Agenda Item 1.37 (IWG-3)
WAC/030	Draft Preliminary View for WRC-03 Agenda Item 1.39 (IWG-3)
WAC/031	Draft Preliminary View for WRC-03 Agenda Item 1.13 (IWG-4)
WAC/032	Draft Preliminary View for WRC-03 Agenda Item 1.25 (IWG-4)
WAC/033	Draft Preliminary View for WRC-03 Agenda Item 1.26 (IWG-4)
WAC/034	Draft Preliminary View for WRC-03 Agenda Item 1.32, Res. 128 (IWG-4)
WAC/035	Draft Preliminary View for WRC-03 Agenda Item 1.32, Res. 84 (IWG-4)
WAC/036	Draft Preliminary View for WRC-03 Agenda Item 1.14 (IWG-5)
WAC/037	Draft Preliminary View for WRC-03 Agenda Item 1.24 (IWG-5)
WAC/038	Draft Preliminary View for WRC-03 Agenda Item 1.28 (IWG-5)
WAC/039	Draft Preliminary View for WRC-03 Agenda Item 1.3 (IWG-6)
WAC/040	Draft Preliminary View for WRC-03 Agenda Item 1.23 (IWG-6)
WAC/041	Draft Preliminary View for WRC-03 Agenda Item 1.38 (IWG-6)
WAC/042	Draft Proposal for WRC-03 Agenda Item 1.1 (IWG-7)
WAC/043	Draft Preliminary View for WRC-03 Agenda Item 1.30, Clarification of BIU date (IWG-7)
WAC/044	Draft Preliminary View for WRC-03 Agenda Item 1.30, Coordination-Arc approach (IWG-7)
WAC/045	Draft Preliminary View for WRC-03 Agenda Item 1.30. Reduction of data requirements (IWG-7)
WAC/046	Draft Preliminary View for WRC-03 Agenda Item 2 (IWG-7)
WAC/047	Referral to IWG-3: Proposed modification of footnote S5.491 (IWG-7)
WAC/048	Draft Preliminary View for WRC-03 Agenda Item 1.20 (IWG-2)

MINUTES
Appendix 1
WRC-03 Advisory Committee Attendance
Second Meeting – April 20, 2001

Last Name	First Name	Representing	Street Address	City	Stat	Zip	Telephone	Fax	E-mail
Barmat	Melvin	Jansky/Barmat Telecom	1120 19th St., NW	Washington	DC	20036	(202) 467- 6400	(202) 296- 6892	mel@jansky- barmat.com
Barth	Richard	Dept. of Commerce	1325 East West Highway, Room 2246	Silver Spring	MD	20910	(301) 713- 1853	(703) 713- 1861	richard.barth@noaa. gov
Baruch	Steve	Leventhal, Sent er	2000 K St. NW, Suite 600	Washington	DC	20006	(202) 416- 6782	(202) 429- 4626	sbaruch@lsl-law.com
Baum	Kimberly	ASTROLINK International LLC	6701 Democracy Blvd., Suite 1000	Bethesda	MD	20817	(301) 581- 2777	(301) 581- 2797	kim.baum@ astrolink.com
Belt	Bill	TIA	1300 Pennsylvania Ave., NW, Suite 350	Washington	DC	20004	(202) 383- 1482	(202) 383- 1495	bbelt@tia.eia.org
Burnell	Scott	United Press International Sprint		Washington	DC		(202) 898- 8148		sburnell@upi.com
Davis	Rikke		401 9th St., NW	Washington	DC	20004	(202) 585- 1919	(202) 585- 1896	rikke.davis@ mail.sprint.com
de Dios	Gonzalo	Winstar	1615 L St., NW, Suite 1260	Washington	DC	20036	(202) 367- 7600	(202) 659- 1931	gdedios@winstar.com
DiLapi	Christine	Motorola	1350 I St., NW, Suite 400	Washington	DC	20005	(202) 371- 6892	(202) 842- 3578	p25543@ email.mot.com
Fontes	Brian	CTIA		Washington	DC		(202) 736- 3216		bfontes@ctia.org
Gardner	Gains	Ericsson, Inc.		Washington	DC		(202) 783- 2200	(202) 783- 2206	gains.gardner@ ericsson.com
Haines	Robin	NTIA	1401 Constitution Ave., NW	Washington	DC	20231	(202) 482- 4096	(202) 501- 8189	rhaines@ntia.doc.go v
Hayden	Tom	Teledesic	1445 120th Ave., NE	Bellevue	WA	98005	(425) 602- 6564	(425) 602- 6565	tom@teledesic.com
Hutchings	Suzanne	Teledesic/New ICO	1730 Rhode Island Ave., NW, Suite 1000	Washington	DC	20036	(202) 721- 0962	(202) 296- 8953	suzanne@teledesic.c om
Hutchison	Kris	Aeronautical Radio, Inc.	2551 Riva Road	Annapolis	MD	21401	(410) 266- 4386	(410) 266- 2047	keh@arinc.com
Ireland	Walt	ARRL	3545 Chain Bridge Rd., Suite 209	Fairfax	VA	22030	(703) 934- 2078	(703) 934- 2079	wireland@arrl.org
Jablonski	Dan	AFTRCC					(240) 228-	(240) 228-	dan.jablonski@

Last Name	First Name	Representing	Street Address	City	State	Zip	Telephone	Fax	E-mail
Jansky	Don	Jansky/Barmat	1120 19th St., NW	Washington	DC	20036	6907 (202) 467-6400	6391 (202) 296-6892	jhuapl.edu don@jansky-barmat.com
Jeppsen	David	Lucent		Washington	DC		(202) 530-7050		djeppsen@lucent.com
Kaltenmark	Steve	Telecom Strategies					(703) 281-7360		stevekaltemark@msn.com
Keane	Ken	Arter & Hadden for AFTRCC	1801 K St., NW, Suite 400 K	Washington	DC	20006	(202) 775-7123	(202) 857-0172	kkeane@arterhadden.com
Keller	Thomas	Verner Liipfert	901 15th St., NW	Washington	DC	20005	(202) 371-6060	(202) 371-6279	tjkeller@verner.com
Lewellen	Mark	SFA for U.S. Army & Sky Station	3050 K St., NW	Washington	DC	20007	(301) 249-9265	(301) 249-9265	satathome66@aol.com
Mahoney	Patricia	Final Analysis	9701-E Philadelphia Ct.	Lanham	MD	20706	(301) 459-0100	(301) 459-0101	pmahoney@finalanalysis.com
Nebbia	Karl	NTIA	1401 Constitution Ave., NW, Room 4076	Washington	DC	20230	(202) 482-0536	(202) 501-8189	knebbia@ntia.doc.gov
Ng	Harry	PanAmSat	1350 Connecticut Ave., NW, Suite 1101	Washington	DC	20036	(202) 261-3909	(202) 261-3920	hng@panamsat.com
Palmer	L. M.	PalmTelCom	713 N. Vermont Street	Arlington	VA	22203	(703) 465-1663	(703) 465-1664	lpalmer@palmtelcom.dgsys.com
Rappoport	Eugene	Loral Space & Comm.	1755 Jefferson Davis Hwy, Suite 1007	Arlington	VA	22202-3501	(908) 470-0192	(908) 470-0193	rappopor@bellatlantic.net
Richards	Warren	ITT Industries	45145 Research Place	Ashburn	VA	20147	(703) 858-4083	(703) 858-4110	warren.richards@itt.com
Rivera	Carmelo	DoC NOAA	1325 East-West Hwy, SSMC2 Room 2246	Silver Spring	MD	20910	(301) 713-1853	(301) 713-1861	carmelo.rivera@noaa.gov
Rosenberg	Eric	ORBCOMM					(703) 433-6395	(703) 433-7092	rosenberg.eric@orbcomm.com
Rubin	Philip A.	PanAmSat	1350 Connecticut Ave., NW, Suite 1101	Washington	DC	20036	(202) 261-3911	(202) 261-3920	prubin@panamsat.com
Sandri	Joe	WinStar Communications	1615 L St., NW, Suite 1260	Washington	DC	20036	(202) 367-7643	(202) 659-1931	jsandri@winstar.com
Siddall	David	Verner Liipfert	901 15th St., NW	Washington	DC	20005	(202) 371-6326	(202) 371-6279	drsiddall@verner.com
Singer	Meredith	TIA	1300 Pennsylvania	Washington	DC	20004	(202) 383-	(202) 383-	msinger@tia.eia.org

Last Name	First Name	Representing	Street Address	City	State	Zip	Telephone	Fax	E-mail
			Ave., NW, Suite 350	n			1485	1495	
Siverling	Jon	ARRL	3545 Chain Bridge Rd., Suite 209	Fairfax	VA	22030	(703) 934-2066	(703) 934-2079	jsiverling@arrl.org
Warren	Jennifer	Lockheed Martin	1725 Jefferson Davis Hwy., Suite 300	Arlington	VA	22202	(703) 413-5970		jennifer.warren@lmco.com
Weaver	Frank C.	Boeing	1200 Wilson Blvd	Arlington	VA	22209	(703) 465-3448	(703) 465-3009	frank.c.weaver@boeing.com
Wengryniuk	Jack	Astrolink	6701 Democracy Blvd., Suite 1000	Bethesda	MD	20817	(301) 581-4083	(301) 581-2797	jackw@astrolink.com
Wilson	Joanne	Array Comm.	888 16th St., NW	Washington	DC	20006	(202) 835-1930	(202) 835-1939	joanne@arraycomm.com
Wood	John	International Broadcasting Bureau		Washington	DC		(202) 619-1759	(202) 619-1680	jwood@ibb.gov
Wright	Rich	ASRC	6301 Ivy Lane, Suite 300	Greenbelt	MD	20770	(571) 203-1341	(571) 203-1346	richard.wright@akspace.com
Wye	David	AT&T Wireless	1150 Connecticut Ave., NW, Suite 400	Washington	DC	20036	(202) 416-6549	(202) 223-9095	david.wye@attws.com
Zoller	Julie	ITT Industries	45145 Research Place	Ashburn	VA	20147	(703) 858-4034	(703) 858-4110	julie.zoller@itt.com

MINUTES
Appendix 2
WRC-03 Advisory Committee – FCC Representatives
Second Meeting – April 20, 2001

Last Name	First Name	Representing	Street Address	City	State	Zip	Telephone	Fax	E-mail
Armstrong	Linda	FCC/IB	445 12th St., SW	Washington	DC	20554	(202) 418-7490	(202) 418-0398	larmstron@fcc.gov
Breig	Charlie	FCC/IB	9704 Days Farm Dr.	Vienna	VA	22182	(202) 418-2156	(202) 418-0398	cbreig@fcc.gov
Engelman	Richard B.	FCC/IB	5614 S. 1st Street S	Arlington	VA	22204	(202) 418-2157	(202) 418-0398	rengelma@fcc.gov
Garcia	Julie	FCC/IB	445 12th St., SW, Room 6-B554	Washington	DC	20554	(202) 418-0763	(202) 418-0765	jpgarcia@fcc.gov
Garfield	Diane	FCC/IB	445 12th St., SW, Room 6-A425	Washington	DC	20554	(202) 418-7499	(202) 418-7270	dgarfiel@fcc.gov
Giusti	John	FCC/IB	445 12th St., SW	Washington	DC	20554	(202) 418-1407	(202) 418-0398	jgiusti@fcc.gov
Luther	William	FCC/IB	445 12th St., SW	Washington	DC	20554	(202) 418-0729	(202) 418-0748	wluther@fcc.gov
Netro	Ron	FCC/WTB	445 12th St., SW	Washington	DC	20554	(202) 418-0608	(202) 418-7247	rnetro@fcc.gov
Reed	Larry	FCC/IB	445 12th St., SW	Washington	DC	20554	(202) 418-0731		lreed@fcc.gov
Roytblat	Alex	FCC/IB	445 12th St., SW	Washington	DC	20554	(202) 418-7501		aroytbla@fcc.gov
Rush	Charles	Consultant - FCC/WTB	6541 Bay Tree Court	Falls Church	VA	22041	(703) 916-1533	(703) 916-1534	crush@fcc.gov
Swanson	Richard	FCC/IB	445 12th St., SW	Washington	DC	20554	(202) 418-0732		rwanson@fcc.gov
Weiland	Donald	FCC/IB	445 12th St., SW	Washington	DC	20554	(202) 418-2220	(202) 418-0398	dweiland@fcc.gov
Wolf	Marcus	FCC/IB	445 12th St., SW	Washington	DC	20554	(202) 418-0736	(202) 418-7270	mwolf@fcc.gov