

FINAL MINUTES

**Minutes of the Fifth Meeting of the FCC Advisory Committee
for the
2012 World Radiocommunication Conference (WRC-12)**

Date/Time: July 28, 2010 at 11:00 a.m.

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

Committee Members Attending: See Appendix 1

Other Persons Attending: See Appendix 2

Meeting Summary:

1. Opening Remarks

WRC-12 Advisory Committee (Committee) Co-Chair Paul Margie opened the meeting and noted that the Committee last met on March 2, 2010.

2. Approval of the Agenda

The agenda, Document **WAC/073(28.07.10)**, was approved without change.

3. Approval of Draft Minutes of the Fourth Meeting

The minutes of the fourth meeting, Document **WAC/067(02.03.10)**, were approved without change.

4. Report on Recent WRC-12 Preparatory Meetings

Alexander Roytblat, FCC WRC Director, responsible for WRC preparations and the Designated Federal Officer of the Committee, introduced Documents **WAC/071(28.07.10)** and **WAC/072(28.07.10)** that summarize the activities of the European (CEPT) and Asia Pacific (APT) WRC-12 Preparatory Groups. He encouraged participants to review the reports and to take them into account as the Committee develops proposals for the WRC-12 conference.

5. NTIA Draft Preliminary Views

Mr. Margie acknowledged the excellent progress made by NTIA subsequent to the last meeting and introduced Documents **WAC/068(28.07.10)**, **WAC/069(28.07.10)**, **WAC/070(28.07.10)**, **WAC/076(28.07.10)**, **WAC/077(28.07.10)**, from NTIA. Mr. Margie asked the NTIA representatives for comments. Dr. Darlene Drazenovich of NTIA explained that NTIA had rescheduled the RCS meeting from the first Thursday in August to July 29, 2010, so that RCS could review and take action on proposals reviewed and approved by the Committee, and noted that she and Mr. Roytblat would be working to reconcile the proposals from each group.

The NTIA letters and enclosures were noted.

6. IWG Status reports and Consideration of Preliminary Views

IWG-1: Maritime, Aeronautical and Radar Services

Giselle Creeser, Chair of IWG-1, reported that IWG-1 met five times since the last meeting of the full committee, and had four proposals for the Committee to consider.

Agenda Item 1.14: to consider requirements for new applications in the radiolocation service and review allocations or regulatory provisions for implementation of the radiolocation service in the range 30-300 MHz, in accordance with Resolution **611 (WRC-07)** – Document **WAC/083(28.07.10)**, a draft proposal, was approved.

Agenda Item 1.9: to revise frequencies and channeling arrangements of Appendix **17** to the Radio Regulations, in accordance with Resolution **351 (Rev. WRC-07)**, in order to implement new digital technologies for the maritime mobile service – Document **WAC/084(28.07.10)**, a draft proposal.

Ms. Creeser noted that this proposal is a modification to the NTIA proposal contained in Document **WAC/069(28.07.10)**, and that the proposal supplements the NTIA proposal and takes into account the results of the last ITU-R Working Party 5B meeting. Document **WAC/084(28.07.10)**, a draft proposal, was approved.

Agenda Item 1.4: To consider, based on the results of ITU-R studies, any further regulatory measures to facilitate introduction of new aeronautical mobile (R) service(AM (R)S) systems in the bands 112-117.975 MHz, 960-1164 MHz and 5000-5030 MHz in accordance with Resolution **413 (Rev. WRC-07)**, **417 (WRC-07)**, and **420 WRC-07)** – Document **WAC/085(28.07.10)**, a draft proposal, was approved.

Agenda Item 1.10: to examine the frequency allocation requirements with regard to operation of safety systems for ships and ports and associated regulatory provisions, in accordance with Resolution **357 (WRC-07)** – Document **WAC/086(28.07.10)**, a draft proposal.

Ms. Creeser noted that this proposal is a revision to the NTIA proposal contained in Document **WAC/070(28.07.10)**, and that Document **WAC/086(28.07.10)** also consolidates the NTIA proposal contained in Document **WAC/068(28.07.10)**, which IWG-1 accepted without change. Document **WAC/086(28.07.10)**, a draft proposal, was approved.

Ms. Creeser noted that work was almost complete on Agenda Items 1.3 (UAS) and 1.15 (radio location services) and reported that the work on those items may be completed for the next meeting.

IWG-2 – Terrestrial

IWG-2 Vice Chair Jonathan Siverling reported that IWG-2 held two meetings since the last meeting of the full Committee. IWG-2 had no proposals for consideration at this meeting.

Mr. Siverling noted that two documents had been submitted to the last meeting of IWG-2, a revision to IWG-2/029 (HAPS) and a contribution on Agenda Item 1.8 (IWG-2/047). IWG-2 tabled the documents until the next meeting of IWG-2 on September 9, 2010. IWG-2 intends to provide a recommendation on these two issues to the next meeting of the full Committee.

IWG-3: Space Services

Jack Wengryniuk, the Chair of IWG-3, reported that IWG-3 met twice since the last meeting of the full Committee and offered a draft proposal on Agenda Item 1.11.

Agenda Item 1.11: to consider a primary allocation to the space research service (Earth-to-space) within the band 22.55-23.15 GHz, taking into account the results of ITU-R studies, in accordance with Resolution **753 (WRC-07)** - Document **WAC/081(28.07.10)**, a draft proposal.

Mr. Wengryniuk explained that this draft proposal replaces the draft proposal found in Document **WAC/061(02.03.10)** that was previously approved by the Committee. Thomas Tycz offered a correction to the footnote in **WAC/081(28.07.10)** to read “10⁻²” and Document **WAC/081(28.07.10)** was approved with that correction noted.

Mr. Wengryniuk noted IWG-3 has developed proposals on all of its agenda items except:

Agenda Item 1.24: IWG-3 has no comment on the NTIA proposal as the band is not commercially available.

Agenda Item 1.25: IWG-3 has been awaiting the outcome of this item in ongoing ITU-R studies, which were recently concluded, and is reviewing the NTIA draft proposal on this Agenda Item.

IWG-4: Regulatory Issues

Alexander Roytblat presented the report for IWG-4. IWG-4 made substantive progress since the last meeting and had two proposals for consideration by the full Committee. IWG-4 met four times since the last full committee meeting.

Agenda Item 1.6: to review No. 5.565 of the Radio Regulations in order to update the spectrum use by the passive services between 275 GHz and 3 000 GHz, in accordance with Resolution 950 (Rev.WRC 07), and to consider possible procedures for free-space optical-links, taking into account the results of ITU R studies, in accordance with Resolution **955 (WRC 07)** – Document **WAC/079(28.07.10)**, a draft proposal.

Mr. Roytblat explained that in Document **WAC/079(28.07.10)** IWG-4 adopted the NTIA proposal contained in Document **WAC/068(28.07.10)** with minor revisions. Document **WAC/079(28.07.10)**, a draft proposal, was approved.

Agenda Item 7: to consider possible changes in response to Resolution **86** (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: “Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks,” in accordance with Resolution **86 (Rev.WRC 07)**, Document **WAC/082(28.07.10)**, a draft proposal, was approved.

Mr. Roytblat reported that IWG-4 concurred with the NTIA proposal regarding No. 11.41 of the Radio Regulations contained in Document **WAC/077(28.07.10)**, which replaces the proposal previously approved by the Committee in Document **WAC/065(02.03.10)**. There being no objection, Document **WAC/077(28.07.10)**, a draft proposal, was approved.

Mr. Roytblat highlighted the activities of IWG-4, which is working on proposals for Agenda Item 1.2, and examining draft proposals involving integrated MSS systems in connection with Agenda Items 7, 8.2, and 4. He reported that although consensus has been difficult to achieve, IWG-4 is hopeful of reaching consensus. IWG-4 is also considering a draft proposal on Agenda Item 7 addressing matters related to the coordination arc trigger and Regulatory Provision 941. Mr. Roytblat stated that he did not have any information regarding the next meeting of IWG-4.

7. Future Meetings

Mr. Margie announced that the proposed date for the sixth meeting of the Committee was October 26, 2010, and asked for comment on the proposed meeting date. There being no comment, the date for the next meeting of the Committee is October 26, 2010. Mr. Margie introduced Document **WAC/004(Rev.28.07.10)**, a timeline setting forth the dates of national, regional, and international preparatory meetings leading up to WRC-12.

The timeline document was noted.

9. Other Business

Mr. Margie thanked the participants and acknowledged that the Committee is now considering some of the hardest issues and encouraged everyone to work to reach consensus. There being no new business, the meeting adjourned.

Documents Distributed:

- WAC/004 WRC-12 Preparatory Timeline(Rev. 28.07.10)
- WAC/067 Draft Minutes of the Fourth Meeting of the WRC-12 Advisory Committee, March 2, 2010
- WAC/068 Letter, 25 February 2010, Draft Proposals on Agenda Items 1.6 and 1.10,
- WAC/069 Letter, 17 March 2010, Draft Proposal on Agenda Item 1.9
- WAC/070 Letter, 12 April 2010, Draft Proposal on Agenda Item 1.10
- WAC/071 Report from Fifth CEPT WRC-12 Conference Preparatory Group Meeting, 24-26 February 2010
- WAC/072 Report from Third APT WRC-12 Conference Preparatory Group Meeting, 8-12 March 2010
- WAC/073 Agenda
- WAC/076 Letter, 13 July 2010, Draft Proposal on Agenda Item 1.25
- WAC/077 Letter, 14 July 2010, Draft Proposal on Agenda Item 7
- WAC/079 Draft Proposal on WRC-12 Agenda Item 1.6 (IWG-4)
- WAC/081 Draft Proposal on WRC-12 Agenda Item 1.11 (IWG-3)
- WAC/082 Draft Proposal on WRC-12 Agenda Item 7 (IWG-4)
- WAC/083 Draft Proposal on WRC-12 Agenda Item 1.14 (IWG-1)
- WAC/084 Draft Proposal on WRC-12 Agenda Item 1.9 (IWG-1)
- WAC/085 Draft Proposal on WRC-12 Agenda Item 1.4 (IWG-1)
- WAC/086 Draft Proposal on WRC-12 Agenda Item 1.10 (IWG-1)

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Appendix 1
WRC-12 Advisory Committee Attendance
Fifth Meeting – July 28, 2010

Last Name	First Name	Occupation or Affiliation	Address	City	State	ZIP	Phone Number	Fax Number	E-mail Address
Alvarez	Amy	AT&T	1120 20 th Street, NW, Suite 1000	Washington	DC	20036	(202) 457-2315		Amy.Alvarez@att.com
Bethea-Murphy,	Donna	Iridium Satellite LLC					(703) 287-7404		Donna.bethea- murphy@iridium.com
Britz	David	AT&T	180 Park Avenue	Florham Park	NJ	07032	(973)236-6913		dbritz@researchatt.com
Case	Dave	CISCO					(330)523-2139		davecase@cisco.com
Creeser	Giselle	Lockheed Martin Corp.	1550 Crystal Drive, Suite 300	Arlington	VA	22202	(703) 413-6983		giselle.creeser@lmco.com
Gilsenan	John	Terrestar	206 Pond View Drive	Bethany Beach	DE	19930	(302) 534-5873		John.Gilsenan@IEEE.org
Keane	Ken	Duane Morris LLP	505 9 th Street, NW	Washington	DC	20004	(202) 776-5243	(202) 776-7801	kkeane@duanemorris.com
Ladson	Damon	Harris Wiltshire for LightSquared	1200 18 th Street, NW	Washington	DC	20006	(202) 730-1315	(202) 730-1314	dladson@harriswiltshire.com
Margie	Paul	Harris, Wiltshire & Grannis, LLP	1200 Eighteenth Street, N.W., 12th Floor	Washington	DC	20036	(202) 730-1352	(202) 730-1301	pmargie@harriswiltshire.com
O'Keefe	Kelly	Access Partnership					(202)503-1572		Kelly@accesspartnership.com
Siverling	Jonathan	ARRL	3545 Chain Bridge Road, Suite 209	Fairfax	VA	22030	(703) 934-2066	(703) 934-2079	siverling@mindspring.com
Tycz	Thomas S.	Goldberg, Godles, Weiner & Wright	1229 19th Street, NW	Washington	DC	20036	(202) 429-4900	(202) 429-4912	ttycz@g2w2.com
Wengryniuk	Jack	DirecTV	6050 Elmer Derr Rd.	Frederick	MD	21703	(301) 663-0053	(240) 358-0569	jwengryniuk@directv.com

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Appendix 2
WRC-12 Advisory Committee – Others in Attendance
Fifth Meeting – July 28, 2010

Last Name	First Name	Occupation or Affiliation	Address	City	State	ZIP	Phone Number	Fax Number	E-mail Address
Cacciatore	Lisa	ITT for DSO	16701 Melford Blvd., Suite 200	Bowie	MD	20715	(202) 549-5486		Lisa.Cacciatore@itt.com
Catron	Rob		4739 Neptune Drive	Alexandria	VA	22309	(703) 841-0626		catron@alcalde.fay.com
Chowdhry	Rizwan	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-0532	(202)418-0398	Rizwan.CHowdhry@fcc.gov
Christianson	Donna	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-7326	(202)418-0398	Donna.Christianson@fcc.gov
Drazenovich	Darlene	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202)482-3480	(202)501-8189	ddrazenovich@ntia.doc.gov
Dubroof	Linda	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-2335	(202)418-0398	Linda.Dubroof@fcc.gov
Folmer	David	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-0532	(202)418-0398	David.Folmer@fcc.gov
Hill	Joseph	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-2215	(202)418-0748	Joseph.Hill@fcc.gov
Hofer	Chris	Department of Defense	2461 Eisenhower Avenue, Ste. 1201-Hoffman Bldg.	Alexandria	VA	22331	(703) 346-8393		Chris.Hofer@disa.mil
Ibarra	Dante	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-0610	(202)418-0398	
Jansson	Neil	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202)482-4211		Njansson@ntia.doc.gov
Kotler	Scott	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202)482-7983		skotler@ntia.doc.gov
Lemke	Mike	ITT Corporation	17601 Melford	Bowie	MD		(703) 325-2867		mike.lemke@itt.com
Mitchell	Brandon	NTIA	1401 Constitution Avenue, NW	Washington	DC	20230	(202) 462-4487		bmitchell@ntia.doc.gov
Mullinix	Michael	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-0491	(202)418-0398	Michael.Mullinix@fcc.gov
Persaud	Sankar	FCC	445 12 th Street, SW	Washington	DC	20554			
Reed	Larry	ASRC Management Services	12030 Baederwood Lane	Culpepper	VA	22701	(540) 825-3881		lreed@comcast.net
Roytblat	Alexander	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-7501	(202)418-0398	
Sung	Liching	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202)482-3485	(202)501-8189	lsung@ntia.doc.gov
Turban	Jon V.	US Coast Guard	1 Chelsea Street	New London	CT	06320	(860)271-2834		Jon.V.Turban@uscg.mil
Williams	Jonathan	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202)482-0675		jwilliams@ntia.doc.gov
Wilson	Joanne	ASRC for NASA	12021 Sunset Hills Road, Suite 330	Reston	VA	20190	(571) 262-3146		Joanne.Wilson@asrcm.com
Ward	Stephen	MMI	11205 Lapham Drive, Ste. 1100	Oakton	VA	22124	(703) 969-6872	(703) 264-3900	Stephen.ward@mmiconnect.com