

DRAFT MINUTES

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

Date/Time: March 8, 2011 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 Thomas Navin opened the meeting and thanked the Informal Working Groups (IWGs) for their work in reaching consensus on WRC-12 proposals. Co-Chair Paul Margie noted that the Committee was entering the final phase of its work and recognized that the Committee's recommendations had played a role in the United States success at the ITU Conference Preparatory Meeting in February 2011.

2. Approval of the Agenda

The agenda, Document **WAC/116(08.03.11)**, was approved without change.

3. Approval of Draft Minutes of the Sixth Meeting

The minutes of the sixth meeting, Document **WAC/106(26.10.10)**, 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 Document **WAC/111(08.03.11)** that summarizes the activities of the December 2010 Asia Pacific (APG) WRC-12 Preparatory Group. He encouraged everyone to review the report.

5. NTIA Draft Preliminary Views

Mr. Navin asked the NTIA representative for comments. Mr. Navin introduced Documents **WAC/107(08.03.11)**, **WAC/109(08.03.11)**, **WAC/110(08.03.11)**, **WAC/112(08.03.11)**, **WAC/113(08.03.11)**, **WAC/114(08.03.11)**, **WAC/115(08.03.11)** and **WAC/117(08.03.11)** from NTIA.

Dr. Darlene Drazenovich of NTIA stated that NTIA and the Federal agencies looked forward to working with the FCC to reconcile the proposals before them.

The NTIA letters and enclosures were noted.

6. IWG Status reports and Consideration of Draft Proposals

IWG-1: Maritime, Aeronautical and Radar Services

Giselle Creeser, Chair of IWG-1, reported that IWG-1 had three documents for the Committee to consider.

Agenda Item 1.21: to consider a primary allocation for radiolocation services in the band 15.4-15.7 GHz, taking into account the results of ITU-R studies, in accordance with Resolution **614(WRC-07)** – Document **WAC/121(08.03.11)**, a draft proposal.

Ms. Creeser noted that this was associated with Agenda Item 1.25, IWG-3 Document **WAC/120(08.03.11)**, and further noted that consensus on this item was achieved with the understanding of both documents being accepted by the Committee. Document **WAC/121(08.03.11)**, a draft proposal, was approved.

Ms. Creeser stated that the other two documents contain IWG-1's comments on NTIA's proposal contained in Document **WAC/112(08.03.11)**.

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, 960-1 164 MHz and 5 000-5 030 MHz in accordance with Resolutions **413 (Rev.WRC-07)**, **417 (WRC-07)** and **420 (WRC-07)**— Document **WAC/122(08.03.11)**.

Ms. Creeser explained that this document contains IWG-1's comments on NTIA's proposal, contained in Document **WAC/112(08.03.11)**, regarding Resolution **417**. IWG-1 believes that further work is needed on this item before the U.S. adopts a proposal on this Agenda Item pending the studies in the upcoming ITU Working Party meetings. Document **WAC/122(08.03.11)**, IWG-1's comments, was approved.

Agenda Item 8.2: to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, taking into account Resolution **806 (WRC 07)** – Document **WAC/123(08.03.11)**.

Ms. Creeser explained that this document contains IWG-1's comments on NTIA's proposal contained in Document **WAC/112(08.03.11)**, with proposed edits to define e-navigation and provide clarity on this Agenda Item. Document **WAC/123(08.03.11)**, IWG-1's comments, was approved.

Ms. Creeser reported on two other NTIA proposals that IWG-1 reviewed: Document **WAC/092(26.10.10)** with respect to Agenda Item 1.4, Resolution **413** (112-117 MHz band) and the band 5000-5010 MHz AMRS, IWG-1 had no comment on either NTIA proposal. With respect to the

band 5010-5030 MHz, IWG-1 supports the NTIA proposal contained in Document **WAC/092(26.10.10)**. Lastly, with regard to Document **WAC/103(26.10.10)**, IWG-1 supports NTIA's proposal regarding the band 5090-5150 MHz.

IWG-2 – Terrestrial

Kim Baum, Chair of IWG-2, reported that IWG-2 had one document for the Committee to consider.

Agenda Item 8.2: to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, taking into account Resolution **806(WRC-07)** – Document **WAC/129(08.03.11)**.

Ms. Baum noted that IWG-2 had been unable to reach consensus on the proposed WRC-15 agenda item under WRC-12 Agenda Item 8.2, for mobile broadband or broadband wireless access, and did not believe it could make any further progress on this issue. Therefore, IWG-2 was submitting its non-consensus Document **WAC/129(08.03.11)** containing two proposals, Proposals A and B. Ms. Baum explained that Proposal A asks WRC-15 to consider spectrum requirements and possible regulatory action for mobile broadband systems, including IMT, and gives some limitations on the frequency range to be considered. Proposal B asks WRC-15 to conduct similar considerations for mobile broadband wireless access, including IMT, and suggested additional limitations on the frequency ranges to be considered.

Document **WAC/129(08.03.11)** was approved.

Ms. Baum reported that IWG-2 had comments on several items received from NTIA:

Document **WAC/115(08.03.11)** – This is the NTIA proposal on broadband wireless access, which was taken into consideration in Document **WAC/129(08.03.11)**, which can be considered as IWG-2's response to Document **WAC/115(08.03.11)**.

Document **WAC/107(08.03.11)** – This contains an NTIA proposal on Agenda Item 1.8. Ms. Baum noted that the NTIA proposal has been overcome by events and that the U.S. has already submitted its proposal on Agenda Item 1.8 to CITELE, and that IWG-2 supports the U.S. proposal to CITELE.

Document **WAC/110(08.03.11)** – With regard to NTIA's proposal for WRC-15 Agenda Item on Earth exploration-satellite service (EESS) in the 7 GHz band, IWG-2 has no views on the proposal.

Document **WAC/112(08.03.11)** – IWG-2 focused on two of the Agenda Items in this document: Agenda Item 1.5, on electronic news gathering, is supported by IWG-2. IWG-2 has no view with respect to the proposal on Agenda Item 1.16, lightning detection.

IWG-3: Space Services

Jack Wengryniuk, the Chair of IWG-3, reported that IWG-3 had three draft proposals regarding different frequency bands under Agenda Item 1.25 for consideration by the Committee.

Agenda Item 1.25: to consider possible additional allocations to the mobile-satellite service in accordance with Resolution 231 (WRC-07) –Document **WAC/118(08.03.11)**, a draft proposal, concerning the bands 7 GHz, 8 GHz, 10 GHz, and 13 GHz, was approved.

Agenda Item 1.25: to consider possible additional allocations to the mobile-satellite service in accordance with Resolution 231 (WRC-07) –Document **WAC/119(08.03.11)**, concerning with 10.55-10.6 GHz, a draft proposal was approved.

Agenda item 1.25: to consider possible additional allocations to the mobile-satellite service in accordance with Resolution 231 (WRC-07) –Document **WAC/120(08.03.11)**.

Mr. Wengryniuk explained that this revised proposal represents a compromise approach between Agenda Item 1.21 and Agenda Item 1.25 within IWG-1 and IWG-3, respectively, and that Document **WAC/120(08.03.11)** is a companion proposal to Document **WAC/121(08.03.11)**. Document **WAC/120(08.03.11)**, a draft proposal concerning the band 15.4-15.6 GHz for the mobile satellite service (MSS), was approved.

Mr. Wengryniuk noted that regarding the NTIA proposals contained in Document WAC/110(08.03.11), the allocation overlapped with Document WAC/118(08.03.11), and IWG-3 did not support Document WAC/110(08.03.11). He further noted that IWG-3 had several concerns regarding the NTIA nanosatellite proposal contained in Document WAC/117(08.03.11), and IWG-3 is not in a position to endorse Document WAC/117(08.03.11).

IWG-4: Regulatory Issues

IWG-4 Chair Audrey Allison and Vice Chair Jose Albuquerque were unable to attend the meeting, so Alexander Roytblat gave the report for IWG-4 on their behalf.

Agenda Item 4: in accordance with Resolution **95 (Rev. WRC-07)**, to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation –Document **WAC/124(08.03.11)**, 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 of the Radio Regulations for frequency assignments pertaining to space services,” in accordance with Resolution **86 (Rev. WRC 07)** – Documents **WAC/125(08.03.11)**, and **WAC/126(08.03.11)**, draft proposals, were approved.

Agenda Item 8.1.1: on activities of the Radiocommunication Sector since WRC-07 – Document **WAC/127(08.03.11)**, a draft proposal, was approved.

Agenda Item 8.2: to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, taking into account Resolution **806 (WRC 07)**

– Draft Proposals, Document **WAC/128(08.03.11)**

Mr. Roytblat explained that this is a non-consensus proposal from IWG-4 that includes three proposals:

Annex A, two draft proposals submitted by LightSquared that replace LightSquared's previous proposals found in Document **WAC/102(26.10.10)**;
Annex B, Inmarsat's recommendations in reaction to LightSquared's proposal; and
Annex C, the U.S. GPS Industry Council's input in response to LightSquared's proposal.

Document **WAC/128(08.03.11)**, was approved.

Mr. Roytblat reported that IWG-4 developed a number of views on documents received from NTIA:

Document **WAC/107(08.03.11)** – Regarding Agenda Item 7, IWG-4 does not concur with NTIA's proposal and points to IWG-4's previous proposal in Document **WAC/064(02.03.10)**.

Document **WAC/113(08.03.11)** – IWG-4 does not concur with NTIA's proposal concerning the provision of Radio Regulation 13.6. IWG-4 does concur with NTIA's proposal regarding Agenda Item 7, Regulatory Provision 11.49.

Document **WAC/091(26.10.10)** – IWG-4 concurs with NTIA's proposal on Agenda Item 2.

7. Future Meetings

Mr. Margie announced that CITEL has rescheduled its meeting from the end of March 2011 to mid-May 2011. He reported that the proposed date for the eighth meeting of the Committee was April 19, 2011. There being no comment, the date for the next meeting of the Committee is April 19, 2011. Mr. Margie introduced Document **WAC/004(Rev.08.03.11)**, a timeline setting forth the dates of national, regional, and international preparatory meetings leading up to WRC-12.

The timeline document was noted.

8. Other Business

Don Jansky, Jansky-Barmat Telecom, asked how the minutes of the March 2011 meetings of the Informal Working Groups would be approved. Mr. Margie indicated that he and Mr. Navin would confer with the IWG chairs and vice chairs regarding approval of the minutes of their meetings.

Mr. Margie thanked the participants for their hard work. There being no new business, the meeting adjourned.

Documents Distributed:

WAC/004(08.03.11)	Updated WRC-12 Preparatory Timeline,
WAC/106(08.03.11)	Minutes of the Sixth Meeting (Draft and Final Copies)
WAC/107(08.03.11)	Letter, 9 November 2010, NTIA Draft Proposal on Agenda Item 1.8 and 7
WAC/109(08.03.11)	Letter, 17 November 2010, NTIA Draft Proposal on Agenda Item 4
WAC/110(08.03.11)	Letter, 2 December 2010, NTIA Draft Proposal on Agenda Item 8.2
WAC/111(08.03.11)	Report on Recent APG WRC-12 Preparatory Meeting
WAC/112(08.03.11)	Letter, 12 January 2011, NTIA Draft Proposal on Agenda Items 1.4 Res.417, 1.5, 1.16, 7 No. 11.41A, 8.1.1 (Issue C), and 8.2 Global Maritime Distress & Safety System (GMDSS)
WAC/113(08.03.11)	Letter, 24 January 2011, NTIA Draft Proposal on Agenda Items 7 No. 11.49 and 7 No. 13.6
WAC/114(08.03.11)	Letter, 24 January 2011, NTIA Draft Proposal on Agenda Items 8.2 Wireless Avionics Intra-Communications (WAIC)
WAC/115(08.03.11)	Letter, 28 January 2011, NTIA Draft Proposal on Agenda Items 8.2 broadband wireless access
WAC/116(08.03.11)	March 8, 2011, Agenda
WAC/117(08.03.11)	Letter, 23 February 011, NTIA Draft Proposal on Agenda Item 8.2 nanosatellites
WAC/118(08.03.11)	Draft Proposal on Agenda item 1.25
WAC/119(08.03.11)	Draft Proposal on Agenda item 1.25
WAC/120(08.03.11)	Draft Proposal on Agenda item 1.25
WAC/121(08.03.11)	Draft Proposal on Agenda Item 1.21
WAC/122(08.03.11)	Comments on NTIA Proposal on Agenda Item 1.4
WAC/123(08.03.11)	Comments on NTIA Proposal on Agenda Item 8.2
WAC/124(08.03.11)	Draft Proposal on Agenda Item 4
WAC/125(08.03.11)	Draft Proposal on Agenda Item 7
WAC/126(08.03.11)	Draft Proposal on Agenda Item 7
WAC/127(08.03.11)	Draft Proposal on Agenda Item 8.1.1
WAC/128(08.03.11)	Non-Consensus Draft Proposals on Agenda Items 7 and 8.2
WAC/129(08.03.11)	Non-Consensus Draft Proposals on Agenda Item 8.2

MINUTES
Appendix 1
WRC-12 Advisory Committee Attendance
Seventh Meeting – March 8, 2011

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, Ste. 1000	Washington	DC	20036	(202) 457-2315		Amy.alvarex@att.com
Baruch	Steve	Lerman Senter	2000 K St., NW	Washington	DC	20006	(202) 416-6782	(202) 429-4626	sbaruch@lermansenter.com
Baum	Kim	SES WorldSkies	1129 20 th St., NW, Ste. 1000	Washington	DC	20036	(202)286-6089		Kimberly.baum@ses.com
Cramer	Joe	Boeing	1200 Wilson Blvd.	Arlington	VA	22209	(703) 465-3489		Joseph.Cramer@boeing.com
Creeser	Giselle	Lockheed Martin Corp.	2121 Crystal Drive, Suite 300	Arlington	VA	22202	(703) 413-6983		giselle.creeser@lmco.com
Gerdenitsch	Alexander	Motorola Mobility	1455 Pennsylvania Ave., NW	Washington	DC	20004	(202) 293-8732		Alexander.Gerdenitsch@motorola.com
Gilsenan	John	Consultant	1511 Feral Dae Ln #301	Annapolis	MD	21409	(301) 526-0895		John.gilsenan@IEEE.org
Hutchison	Kris	ASRI	2552 Riva Road	Annapolis	MD	21401	(410) 266-4386		keh@asri.aero
Jansky	Don	Jansky-Barmat	7703 Arrowood Ct.	Bethesda	MD	20817	(202)467-6700	(202)296-6892	
Keane	Ken	Duane Morris	505 9 th Street, NW, Ste. 1000	Washington	DC	20004	(202) 776-5243		kkeane@duanemorris.com
Keith	Meghan	Access Partnership	1200 18 th Street, NW, Ste. 1001	Washington	DC	20036	(202) 503-1753		Meghan.keith@@accesspartnership.com
Kennedy	Jeannette	Nokia	1401 K Street, NW, Ste. 150	Washington	DC	20004	(202) 887-0145		Jeanntte.kennedy@nokia.com
Khalilzadeh	Abdolmajid	INTELSAT	3400 International Drive, N.W.	Washington	DC	20008	(202) 944-7679	(202) 944-7870	adolmajid.khalilzadeh@intelsat.com
Ladson	Damon	Wiltshire & Grannis for LightSquared	1200 18 th Street, NW	Washington	DC	20006	(202) 730-1315	(202) 730-1314	dladson@harriswiltshire.com
Maimo	Angela	Intelsat	3400 International Dr., NW	Washington	DC	20008	(202) 944-7538		Angela.Maimo@intelsat.com
Margie	Paul	Wiltshire & Grannis, LLP	1200 Eighteenth Street, N.W., 12th Floor	Washington	DC	20036	(202) 730-1352	(202) 730-1301	pmargie@harriswiltshire.com
Marks	Jeffrey	Alcatel-Lucent	1100 New York Ave., NW,	Washington	DC	20005	(202) 312-5913		Jeffrey.marks@alcatel-lucent.com
Martin	Kathryn	Access Partnership	1200 18 th Street, NW, Ste. 1001	Washington	DC	20036	(202) 503-1571		Kathryn@accesspartnership.com
Martinkovics	Leslie	Verizon	100 I Street, NW	Washington	DC	20005	(202) 515-2433		Leslie.i.martinkovics@verizon.com

Murphy	Chris	Inmarsat	1101 Connecticut Ave., NW	Washington	DC	20036	(202) 248-5158		Chris.murphy@inmarsat.com
Navin	Thomas	Wiley Rein & Fielding LLP	1776 K Street, N.W.	Washington	DC	20006	(202) 719-7487	(202) 719-7049	tnavin@wrf.com
Price	Brennan	ARRL	3545 Chain Bridge Road, #209	Fairfax	VA	22030	(703) 934-2077		bprice@arrl.org
Racek	Mark	Ericsson	1634 I St., NW, Ste. 600	Washington	DC	20006	(202) 824-0110	(202) 783-2100	Mark.racek@ericsson.com
Rush	Charles	TMG	1600 Wilson Blvd, Suite 710	Arlington	VA	22209	(703) 224-1501	(703) 224-1509	crush@tmgtelecom.com
Seidel	Cathy	Motorola	1455 Pennsylvania Ave., NW	Washington	DC	20004	(202) 371-6910		Cathy.seidel@motorolasolutions.com
Tycz	Thomas S.	Goldberg, Godles, Weiner & Wright for LightSquared	1229 19th Street, NW	Washington	DC	20036	(202) 429-4900	(202) 429-4912	ttycz@g2w2.com
Wasilewski	Tom	Qualcomm	1730 Pennsylvania Ave., Ste. 850	Washington	DC	20006	(202) 263-0028	(202) 263-0010	twaz@qualcomm.com
Wengryniuk	Jack	DirecTV	6050 Elmer Derr Rd.	Frederick	MD	21703	(301) 663-0053	(240) 358-0569	jwengryniuk@directv.com
Wieczorek	Chris	T-Mobile	401 9 th Street, NW, Ste. 550	Washington	DC	20004	(202) 654-5913		Christopher.Wieczorek@t-mobile.com

MINUTES
Appendix 2
WRC-12 Advisory Committee – Others in Attendance
Seventh Meeting – March 8, 2011

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
Christianson	Donna	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-7326	(202)418-0398	Donna.Christianson@fcc.gov
DiLapi	Christine	The Mitre Corporation	1515 Colshire Dr., MS 4200	McLean	VA	22102	(703) 983-7972		cdilapi@mitre.org
Drazenovich	Darlene	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202) 482-3480		ddrazenovich@ntia.doc.gov
Epshteyn	Alex	ARTS/NASA					(571)762-3137		aepshteyn@asrcms.com
Flores	Carlos	Army					(703) 325-8237		
Haines	Robin	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202) 482-4096		rhaines@ntia.doc.gov
Hill	Joseph	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-2215	(202)418-0748	Joseph.Hill@fcc.gov
Holiday	Cecily	Department of State	2201 C Street, NW	Washington	DC	20520	(202) 647-0051	(202) 647-5957	holidaycc@state.gov
Hudin	Marc	Textron					(202) 637-3899		mehudin@dc.textron.com
Kotler	Scott	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202) 482-7983		skotler@ntia.doc.gov
Kubik	Rob	Samsung					(202) 236-5687		Robert.Kubik@samsung.com
Mitchell	Brandon	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202) 482-4487		bmitchell@ntia.doc.gov
Mullinix	Michael	FCC	445 12 th Street, SW	Washington	DC	20554	202-418-0491		Michael.Mullinix@fcc.gov
Persaud	Sankar	FCC	445 12 th Street, SW	Washington	DC	20554	202-418-2441		Sankar.Persaud@fcc.gov
Roytblat	Alexander	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-7501	(202)418-0398	
Williams	Jonathan	NTIA	1401 Constitution Ave., NW	Washington	DC	20230	(202)482-0675		jwilliams@ntia.doc.gov
Yang	Allen	FCC	445 12 th Street, SW	Washington	DC	20554	(202)418-0738	(202)418-0398	Allen.Yang@fcc.gov