

## Meeting Minutes

Meeting: Thirteenth Meeting of IWG-4 for WRC-15 WAC

Date/Time: 20 August 2014, 10:00 a.m. EDT

Location: Teleconference Only

Participants: See Participants' List (attached)

FCC Employees Present: Joseph Hill, Michael Mullinix, Larry Olson

### Meeting Summary:

1. The meeting was called to order at 10:03 a.m. EDT by the Chairman and participants were asked to provide email notification of their attendance to the Chairman.
2. The draft agenda of the meeting (Doc. IWG-4/049R1) was approved without change.
3. Scott Kotler volunteered to prepare the meeting minutes.
4. The minutes from the twelfth meeting (Doc. IWG-4/048R1) were approved without change. The approved minutes are to be posted to the FCC website.
5. Consideration of Draft Proposals

The meeting considered four draft proposals – Documents IWG-4/040R4, IWG/4-041R2, IWG-4/046R2, and IWG-4/047R1 were carried over from prior meetings.

Doc. IWG-4/041R2: The Chairman reported that at last meeting R1 was approved subject editorial revision. Upon circulating R1 through IWG-4, one comment was a substantive observation on correcting the numbering in the proposal related to Annex 7 of Appendix 30. The meeting decided to approve Revision 2 of the document. A final version will be submitted by the Chairman to the August 27 WAC meeting.

Doc. IWG-4/047R1: This document is IWG-4's comments to NTIA's draft proposal for Agenda Item 7 (Issue C) for elimination of the six-month waiting period between the API and CR/C for networks and systems subject to Section II of Article 9 (Document IWG-4/045, WAC/078). From the last IWG-4 meeting, revisions were made to the proposed modifications of No. **9.5B** to re-insert the word "consideration" which was inadvertently removed. Ms. Baum identified that this proposal is also related to Issue [Y] from WP 4A regarding excessive filings. IWG-4 agreed that Mr. Hofer to add language editorially from the working document annexed to the WP4A Chairman's report on the issue of excessive filings which was liaised to the Special Committee. IWG-4 approved the document subject to the edits and will be provided to the WAC as comments to NTIA's proposal.

Doc. IWG-4/046R2: Mr. Jansky introduced the revised draft proposal under Agenda Item 9.1.8 to treat nano and pico satellites under the existing regulatory provisions for notifying

frequency assignments to satellite networks and systems, and to suppress the potential related agenda item for WRC-19. Mr. Jansky indicated that the revisions take into account comments previously made from Mr. Price of ARRL and Ms. Rawat of GSMA. Mr. Kotler suggested some structural changes to the draft proposal. Mr. Wengryniuk proposed some slight re-wording to editorially improve Resolves 2. IWG-4 approved the draft proposal subject to the changes suggested by Mr. Kotler and Mr. Wengryniuk. The document will be shown as R3 and will be submitted by the Chairman to the WAC.

Doc. IWG-4/040R4: Ms. Creeser introduced the revised draft proposal from Inmarsat for accommodation of earth stations in motion in the upper 500 MHz of the 30/20 GHz FSS bands. As a result of discussions since the last IWG-4 meeting the draft proposal is unopposed within IWG-4. Comments to the document were received by Mr. Ladson since the last meeting. Mr. Kotler commented that the Resolution needs to be consistent with the Article 5 footnote. Mr. Reed also observed this discrepancy. The proposed new footnote makes clear that these in motion earth stations would be operated under the FSS allocation and that they would be subject to coordination, notification, and recording of frequency assignments. Modifications to the language in the proposed resolution were made to be equally clear. IWG-4 reviewed the draft proposal to remove the word ESOMP throughout, add language in the Resolves to address the 19.7-20.2 GHz band, and make modifications to address comments submitted by Mr. Ladson. Mr. Ladson also noted that in dropping opposition to the specific proposal being forwarded to the WAC, concern remains on “ESOMP” proposals being applied to Ka-band frequencies outside of those contained in IWG-4/040R4. Mr. Ladson noted that while IWG-4 is not the place to debate U.S. WRC delegation positions, his hope is that at the appropriate time and venue, a U.S. position addressing his concerns can be agreed. As a result, IWG-4 approved a redline to R4 taking into account the above changes that will be circulated to IWG-4. IWG-4 further discussed the use of WRC-15 agenda item 9.0 to modify article 5 of the Radio Regulations to address this issue. The Chairman will submit R5 based on the redline of R4 to the WAC.

#### 6. Update on IWG-4 Agenda Items

The Chairman pointed out that he had included this part of the agenda simply to remind everyone as to the status of various issues within IWG-4. There was no discussion of this update.

#### 7. Review of Documents from IWG-4 to August 27 WAC Meeting

In addition to the documents approved in agenda item 5 above, the Chairman will submit to the WAC document IWG-4/039R1 on Appendix 30B suspension provisions under WRC-15 AI 7 which was approved at the August 5 IWG-4 meeting and will indicate that IWG-4 endorses NTIA’s proposal contained in Doc. IWG-4/044, WAC/077 on a draft proposal under WRC-15 AI 9.1 for NOC to No. **5.443C** of the Radio Regulations.

#### 8. Future Meetings

The meeting agreed not to identify a specific date to hold the Fourteenth Meeting of IWG-4; however, IWG-4 agreed that it should be held in November 2014.

9. Other Business

There was no other business.

The meeting adjourned at around 12:37 p.m. EDT.

Documents Distributed: The following documents were discussed during the meeting:

See Attached Document List

Public Participation Statement: This meeting was open to the public as announced by Public Notice DA 14-1157.

IWG-4 Meeting Participants List

August 20, 2014

<u>Last Name</u>	<u>First Name</u>	<u>Company</u>
Baruch	Steve	New Wave Spectrum Partners
Baum	Kim	SES
Bjornson	Christopher	Steptoe and Johnson
Botwin	Matthew	CGP Solutions
Choi	David	Mitre
Creeser	Giselle	For Inmarsat
Denny	Robert	NTIA
DeVane	Candice	Intelsat
Dockemeyer	Robert	Delphi
Entz	Kyle	Sprint
Glass	Charles	NTIA
Greenhill	John	Dept. of Energy
Hill	Joe	FCC
Hayden	Tom	for GPSD
Hofer	Chris	ViaSat
Jansky	Donald	Jansky-Barmat Telecommunications
Kotler	Scott	Lockheed Martin
Ladson	Damon	Harris Wiltshire for Iridium
Leon	Giadira	Hughes Network Systems
Mullinix	Michael	FCC
Nguyen	Anh-Thu	Exelis
O'Keefe	Kelly	Access Partnership
Olson	Larry	FCC
Patten	Brian	NTIA
Reed	Larry	ASRC
Sahay	Vishnu	ASRC for NASA
Sung	Li Ching	NTIA
Tranavitch	Bill	Exelis
Ward	Stephen	MMIconnect
Yates	Alan	Intelsat

## WRC-15 Advisory Committee

### IWG-4: Regulatory Issues

#### DOCUMENT LIST

<i>Document Number</i>	<i>Date</i>	<i>Author</i>	<i>Title</i>	<i>Status</i>
IWG-4/040R4	8/19/14	G. Creeser, C. Murphy	Draft Proposal for AI 9.0 on ESOMPs in 30/20 GHz FSS Bands	Approved 8/20/14; R5 to be submitted to WAC
IWG-4/041R2	8/14/14	K. Baum/D. Jansky	Draft Proposal for AI 7 on Annex 7 to Appendix 30 (FSS/BSS interregional sharing)	Approved 8/20/14 for submission to WAC
IWG-4/045, WAC/078	7/12/14	NTIA	Draft Proposal for AI 7, Elimination of Six Month API-CR/C Interval	Distributed 7/12/14; tabled 8/5/14 for consideration with IWG-4/047 -- See IWG-4/047 below for disposition
IWG-4/046R2	8/18/14	D. Jansky	Draft Proposal for AI 9.1.8, Nano/Pico Satellites	Approved 8/20/14; R3 to be submitted to WAC
IWG-4/047R1	8/19/14	C. Hofer	Proposed IWG-4 response to WAC/078	Approved 8/20/14; R2 to be submitted to WAC
IWG-4/048R1	8/6/14	S. Baruch	Minutes for IWG-4 12 <sup>th</sup> Meeting	Approved 8/20/14
IWG-4/049R1	8/19/14	S. Baruch	Draft Agenda for 13 <sup>th</sup> Meeting of IWG-4	Approved 8/20/14