

Sixteenth Meeting Draft Minutes

Meeting: WAC-15, Informal Working Group-3: Space Services (IWG-3)

Date/Time: 14 November 2014, 10:00-11:00 am (EST)

Location: Teleconference only

Participants: (see attachment)

FCC Employees Present: (see attachment)

Meeting Summary:

1. **Introductions:** The Chair welcomed all participants to the sixteenth meeting of WAC-15 IWG-3. Chairing the meeting was IWG-3 Chair, Jack Wengryniuk. Rather than go through formal introductions, all participants were asked to send an email to the Chair indicating their participation and to identify themselves in their first intervention.
2. **Approval of the Agenda:** A revised draft agenda had been e-mailed to the IWG-3 subscriber list and the Chair sought its approval. It was approved.
3. **Appointment of minutes taker:** The Chair asked for a volunteer to take minutes for the meeting. Don Jansky, JBTI volunteered.
4. **Minutes from the fifteenth meeting of IWG-3:** The minutes prepared by Mr. Rummler which had been previously circulated, were approved.
5. **Summary of meetings of Interest to IWG-3:** Various members commented on the meetings of CITEP PCCII, ITU-R WP-5B, and SG-5 as they related to the agenda items under consideration by IWG-3.
6. **Discussion of the status of WRC-15 Agenda items attributed to IWG-3:**
 - a. **Agenda Item 1.5 UAS (Res. 153):** It was reported that a reconciled US proposal, very similar to that developed and approved by IWG-3, had been submitted to CITEP PCCII. This is now a preliminary Proposal at CITEP. It was also reported that the last meeting of ITU-R WP 5B had made good progress on a Preliminary Draft New Report associated with this agenda item and that this PDNRep could provide useful text to help fill in the draft CPM text.
 - b. **Agenda Item 1.6 Additional FSS Primary allocations:** It was reported that there were DIAPs developed for both AI 1.6.1 and 1.6.2 at the recent CITEP PCCII meeting based on a proposal from Canada and supported by Brazil. These proposals supported

identifying the 13.4-13.65 GHz (space-to-Earth) and 14.5-14.8 GHz (Earth-to-space) under AI 1.6.1 and identifying 14.5-14.8 GHz (Earth-to-space) under AI 1.6.2, more or less consistent with a particular method in the current draft CPM text. After the meeting, it was corrected that the DIAP does not include 13.4-13.65 GHz (space-to-Earth) under AI 1.6.1 but only 14.5-14.8 GHz (Earth-to-space) under AI 1.6.1 and 1.6.2. Zach Rosenbaum indicated that a US proposal was still in reconciliation.

c. Agenda Item 1.7 NGSO MSS feeder links 5091-5150 MHz (Res 114): The Chair reported that the US proposal for this agenda item was sent to CITEP PCCII and that it is now a DIAP as it received support from URG and B.

d. Agenda Item 1.8 ESVs (Res 909): The US proposal on this agenda item, as approved by IWG-3, was sent to CITEP PCCII, but so far has not received any support. As such, it is currently a preliminary proposal in PCCII.

e. Agenda Item 1.9 new FSS & maritime MSS in accordance with Res 758:

- i. **1.9.1** – There was no discussion on this item, however, a NTIA representative indicated that a proposal was under development in the RCS.
- ii. **1.9.2** – There was no discussion on this item, however, it was reported that there was a CITEP DIAP for NOC with four supporting countries (US/CAN/CTR/MEX).

f. Agenda Item 1.10 MSS allocations 22-26 GHz (Res 234): There was no discussion on this item, however, it was reported that there is a CITEP IAP for NOC for this agenda item supported by USA/CAN/MEX/CTR/URG/GTM.

g. Agenda Item 1.11 Primary allocation for EESS (E-s) 7-8 GHz: It was reported that there was an IAP agreed at CITEP PCCII for this agenda item supported by USA/CAN/MEX/ARG/URG/B.

h. Agenda item 1.12 extension of 9300-9900 MHz EESS allocation by 600 MHz (Res 651): The meeting addressed Document IWG-3/041 (drafted by Mimosa) which provided a redline of the NTIA proposal on this item. It was noted that IWG-3 and the WAC had previously approved a draft proposal under agenda item 1.12.

It was noted that the differences between ARRL (Mr. Brennan Price) and Mimosa (Ms. Kathryn Martin) have not been resolved. The FCC expressed that the NTIA/Gov't agencies were frustrated at lack of action by the IWG, and encouraged the parties to move forward. It was also stated that if no consensus could be achieved on this issue, an IWG-3 document that clearly states the positions of the two sides on this issue would be welcomed by the FCC.

7. Proposed WRC-18 Agenda items

a. IWG-3 046: NGSO V-band: Mr. Henriques presented a revised proposal on this issue. A number of parties commented on the proposal, including Mr. Ladson, Ms. Leon, Mr. Jansky, Mr. Albuquerque, Ms. Devane, Mr. Rinker and Mr. Baruch. The comments ranged from questions for clarification, concerns and opposition. It was highlighted

during these comments that part of the concern with this issue is the lack of definition of how much spectrum was being targeted. It was suggested to the author to review the language in previous similar agenda items and to also look at Resolution 136 (WRC-03). There was also a brief discussion of the timing for future WRC agenda items within CITELE, i.e. could such items be raised after the "limit" meeting in February, and CITELE Resolution 26 would be reviewed to resolve this issue.

8. Future Meeting

It was agreed that the next meeting of IWG-3 would be scheduled for 24 November, 2014 at 10:00.

9. Other Business

There being no other business the meeting adjourned at 10:57.

ATTACHMENT

Participant in 16th Meeting of WAC-15 IWG-3

Last Name	First Name	Company
Baruch	Steve	New Wave Spectrum Partners
Batteiger	Eric	AFSMO
Briskman	Robert	Sirius XM
Creeser	Giselle	for Inmarsat
Denny	Robert	NTIA
DeVane	Candice	Intelsat
Dockemeyer	Robert	Delphi
Entz	Kyle	Sprint
Feltman	Andy	Exelis
Henriques	Humberto	Telecom Strategies
Hill	Joe	FCC
Jacobs	Ed	ASRC for NASA
Jansky	Donald	Jansky-Barmat Telecommunications Inc.
Kostreski	Bruce	N2O Consulting
Kotler	Scott	Lockheed Martin
Ladson	Damon	Wiltshire Grannis
Leon	Giadira	Hughes/EchoStar
Martin	Kathryn	Access Partnership for Mimosa
Persaud	Sankar	FCC
Rinker	Alan	Boeing
Rosenbaum	Zach	SES
Roytblat	Alex	FCC
Shambayati	Roya	Intelsat
Sung	LiChing	NTIA
Sykes	Brandy	DISA
Walsh	Tom	Aerospace
Ward	Steve	MMI Connect
Wende	Chuck	ASRC for NASA
Wengryniuk	Jack	DIRECTV
Williams	Jonathan	NTIA