

Thirteenth Meeting Draft Minutes

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

Date/Time: 11 June 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 thirteenth meeting of WAC-15 IWG-3. Chairing the meeting was IWG-3 Chair, Jack Wengryniuk. All participants introduced themselves.
2. **Approval of the Agenda:** A draft agenda had been e-mailed to the IWG-3 subscriber list and the Chair sought its approval. It was approved without changes.
3. **Appointment of minutes taker:** The Chair asked for a volunteer take minutes for the meeting but, hearing no one willing to step up to this task, stated he would prepare the minutes himself for this meeting.
4. **Minutes from the twelfth meeting of IWG-3:** The minutes were prepared by Mr. David Weinreich and revision 2 of the minutes, which had been previously circulated, was approved.
5. **Summary of meetings of Interest to IWG-3 since January:** The Chair noted that since the last meeting of IWG-3 there had been a CITELE meeting and meetings of the Working Parties of ITU-R Study Groups 4, 5 and 7, all of which are involved with various aspects of the WRC-15 agenda items assigned to IWG-3. Alex Roytblat had previously circulated to the IWG Chairs and Vice Chairs a power point presentation summarizing the status of development of each WRC-15 agenda item within CITELE and the Chair shared that with IWG-3. That essentially served as the summary of the CITELE meeting. The Chair also mentioned that he was aware that WP 4A and 4C of Study group 4 were actively working on draft CPM text for AIs 1.5, 1.6, 1.7, 1.8, 1.9 and 1.10 and Don Jansky reported briefly on the activity of WP 5B as regards AI 1.5 (see also below). It was briefly mentioned that the WPs of Study Group 7 were also working aspects of AIs 1.9, 1.11 and 1.12.
6. **Discussion of the status of WRC-15 Agenda items attributed to IWG-3:**

- **Agenda Item 1.5: UAS (Res. 153)**

It was noted that there is a US preliminary proposal on this AI at CITEL. Don Jansky reported that the last meeting of WP 5B was rather tumultuous as regards this AI. WP 4A had sent a liaison statement with a PDNR connected with this AI to WP 5B and asked WP 5B to confirm various technical details. WP 5B was not able to conclude the development of a liaison statement back to WP 4A. It was also noted that the ITU legal advisor rendered an interpretation of AI 1.5 that concluded that creation of an AMS(R)S designation of spectrum to address this AI was outside the scope of the AI. Finally, it was noted that the US proposal was discussed with ICAO and that they have some comments on that proposal, so there may be some changes coming to that proposal as a consequence of those ICAO comments.

Agenda Item 1.6 Additional FSS Primary allocations

It was noted that IWG-3 had previously approved a draft proposal on AI 1.6.2 and Zach Rosenbaum reported that there had been several reconciliation meetings on this proposal. These meetings have lead in the direction of the proposal being limited to the 14.5-14.8 GHz band as compared to the previously approved 14.5-15.35 GHz band. The meetings have also led to the introduction of the idea of a minimum FSS antenna size, so as to restrict the number of FSS antennas deployed. Mr. Rosenbaum reported that there were still some questions concerning coordination with SRS and with the FAA that were being worked. Finally, it was reported that there was hope that a draft proposal could be reconciled in time for the CITEL meeting in September.

Agenda Item 1.7: NGSO MSS feeder links 5091-5150 MHz (Res 114)

It was noted that there is a CITEL DIAP on this AI and Mr. Dave Weinreich gave a brief summary of current status. He pointed out that some ambiguities had been identified in the previous proposal and those were being addressed. In addition, he reported that the current AP7 table showing parameters to be used to determine coordination distance may be replaced with a fixed coordination distance.

- **Agenda Item 1.8: ESVs (Res 909)**

Mr. Humberto Henrique introduced a revised proposal for this AI which modifies the coordination distances in the previously considered proposal and also addresses transitional measures should the new distances be approved. It was confirmed that the new coordination distances had been coordinated through ITU-R WP 5C. After a short discussion the draft proposal was approved for presentation at the next WAC meeting.
- **Agenda Item 1.9: in accordance with Res 758, allocations for**
 - **1.9.1-** Little discussion was had on this aspect of the AI
 - **1.9.2 -** It was reported that ITU-R WP 4C seems to be heading in the same direction as the US draft proposal on this part of the AI, that being NOC.
- **Agenda Item 1.10: MSS allocations 22-26 GHz (Res 234)**

There is a CITEL DIAP on this topic that calls for NOC. There was very little discussion on this topic.
- **Agenda Item 1.11: Primary allocation for EESS (E-s) 7-8 GHz**
 - There is a CITEL DIAP on this topic that calls for NOC. There was very little discussion on this topic.

- **Agenda item 1.12:** extension of 9300-9900 MHz EESS allocation by 600 MHz (Res 651).
- Document IWG-3 041 redline of WAC_059_NTIA proposal 1_12 mimosa June
Ms. Kathryn Martin introduced a revised version of the IWG-3 previously agreed markup of the NTIA proposal on this topic. The revised markup was prompted by a petition for Rulemaking that Mimosa filed with the FCC to open up this band for Fixed Service (FS) and called for adding the US to FN 5.480 to indicate that “In Venezuela **and the United States**, the band 10-10.45 GHz is also allocated to the fixed service on a primary basis.”

Mr. Brennan Price (ARRL) stated that he had discussed this proposal previously with Ms. Martin and that ARRL has a number of concerns with the proposal. Some concerns were associated with timing, *i.e.*, this issue has been before IWG-3 for some time and only now is this proposal being brought forward, while another concern is that there currently is no FS allocation in this band (hence the Mimosa petition for RM) and, as such, this could prejudice the outcome of the RM. Ms. Martin recognized those concerns but pointed out that the proposal was not meant to prejudice the outcome of the RM, but rather to not foreclose on the possibility having an FS allocation in the band internationally recognized in the Radio Regulations should that be the result of the RM.

It was clear from the discussion that this issue would not be resolved at the meeting and that further dialog would be required between the two sides. As such, the document as presented was tabled for consideration at a future meeting.

7.0 Future Meetings

It was agreed that the next meeting of IWG-3 would be scheduled for Tuesday August 5 at 10:00.

8.0 Other Business

There was no other business.

ATTACHMENT

Attendees to 13th Meeting of WAC-15 IWG-3

Last Name	First Name	Company
Amodio	Pat	EchoStar
Baruch	Steve	New Wave Spectrum Partners
Creeser	Giselle	for Inmarsat
DeVane	Candice	Intelsat
Devine	Christine	Google
Dockemeyer	Bob	Delphi
Entz	Kyle	Sprint
Feltman	Andy	Exelis
Frank	Carl	Wiley Rein
Greenhill	John	DoE
Henriques	Humberto	Telecom Strategies
Hill	Joe	FCC
Jansky	Donald	Jansky-Barmat Telecommunications Inc.
Kolb	Kim	Boeing
Ladson	Damon	Wiltshire Grannis
Leon	Giadira	Hughes/EchoStar
Martin	Kathryn	Access Partnership for Mimosa
Mullinix	Michael	FCC
Nelsen	John	SES
Ours	Adam	Intelsat
Patten	Brian	NTIA
Price	Brennan	ARRL
Rosenbaum	Zach	SES
Rummler	Bill	Consultant for FWCC
Sumner	Dave	ARRL
Ward	Steve	MMI
Weinreich	Dave	Globalstar
Wengryniuk	Jack	DIRECTV