

Ninth Meeting Minutes

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

Date/Time: 20 August 2013, 10:00-11:00pm (EST)

Location: Teleconference only

Participants: (see attachment)

FCC Employees Present: (see attachment)

Meeting Summary:

1. **Introductions:** The Chair welcomed all participants to the ninth meeting of WAC-15 IWG-3. Chairing the meeting was IWG-3 Chair, Jack Wengryniuk. All participants introduced themselves and were requested to send an email to the Chair confirming their participation.
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 change.
3. **Appointment of minutes taker:** The Chair asked for a happy volunteer to take minutes for the meeting. Hearing radio silence the Chair volunteered himself.
4. **Minutes from eighth meeting of IWG-3:** Author Giselle Creeser. The Chair asked for comments on the meeting minutes (Doc IWG-3/027), which were previously distributed to the IWG-3 subscriber list, and requested approval. The minutes were approved without change.
5. **Summary of meetings of Interest to IWG-3 since July 17:** The only meetings of any real interest to IWG-3 since the July 17 meeting of IWG-3 were US preparatory meetings for various upcoming ITU-R Working Party meetings. After a short discussion it was agreed that it would be most efficient to discuss these preparatory activities in relation to each WRC-15 agenda item, as they apply.
6. **Discussion of the status of WRC-15 Agenda items attributed to IWG-3:** Each WRC-15 Agenda item was briefly touched upon with the idea of informing the group as a whole of the current status of each issue.

Agenda Item 1.5: UAS (Res. 53)

As was discussed at the previous meeting, there is no expectation of a draft WRC-15 proposal for this Agenda item for the upcoming WAC meeting. It was reported that there is ongoing activity for this Agenda item in the lead ITU-R group, WP 5B, as well as in the concerned group, WP 4A. There is also an upcoming ICAO meeting, the output from which could influence the direction on this item.

Agenda Item 1.6: Additional FSS primary allocations Res. 151 &152:

As discussed previously, there will not be anything on this Agenda item for the upcoming WAC meeting. Multiple studies are underway in the lead ITU-R group for this Agenda item for various frequency bands and both industry and government are engaged in these studies. It will take some time for these studies to be concluded.

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

David Weinreich presented a draft WRC proposal for this Agenda item. The draft proposal included two options and indicated that the US preferred one of these options. It was pointed out that it is unusual for a US proposal to indicate anything other than the preferred US option but the proposal was constructed this way to retain flexibility pending some additional direction from ICAO. It was concluded that it may be too early to agree a draft proposal on this issue and the document was tabled for now.

Agenda Item 1.8: ESVs (Res 909)

It was noted that this topic is still under active discussion in ITU-R WP4A and it was reiterated that a draft proposal is not anticipated in time for consideration by the September WAC meeting.

Agenda Item 1.9: in accordance with (Res 758)

-1.9.1 FSS in 7150-7250 MHz (s-E) and 8400-8500 MHz (E-s)

As previously reported, this issue is still being addressed by relevant ITU-R Working Parties and no proposal is anticipated for the September WAC meeting.

-1.9.2 - maritime mobile satellite service 7375-7750 MHz and 8025-8400MHz

Similar to Agenda item 1.9.1, this issue is still being addressed by relevant ITU-R Working Parties and no proposal is anticipated for the September WAC meeting.

Agenda Item 1.10: MSS allocations 22-26 GHz (Res 234)

A draft proposal for this Agenda item was agreed at the previous meeting and this final draft was circulated to IWG-3. In so doing a small formatting issue was highlighted by Mr. Roytblat, along with a proposed solution. It was agreed

that the proposed solution would be incorporated into the final draft and this version would be sent to the next WAC meeting for consideration. It was also reported that there is extensive CPM text on this Agenda item in WP 4C (the lead group) but it is still not clear of the main proponent behind this Agenda item is still pushing for additional MSS spectrum.

Agenda Item 1.11: primary allocations for EESS (E-s) 7-8 GHz

It was indicated previously that the RCS had plans to consider a proposal on this agenda item at their meeting in August and it was anticipated that this proposal would be sent to IWG-3 for consideration before the next WAC. Unfortunately some concerns were raised with the proposal at the RCS meeting and these concerns are currently being worked. There is still a possibility that these concerns can be resolved quickly and the proposal can be made available to IWG-3 in time for consideration before the WAC meeting.

Agenda Item 1.12: extension of 9300-9900 MHz EESS allocation by 600 MHz (Res 651)

This issue is still being studied within ITU-R and it is expected that meeting cycle should point the way on this item.

7. Future Meetings

With the expectation that an RCS proposal could be made available early enough such that it could be reviewed by IWG-3, it was agreed to tentatively schedule the **next meeting of IWG-3 for September 4 at 13:00 EDT**. The primary purpose of this meeting will be to solicit IWG-3 views on the RCS proposal for Agenda item 1.11. Should this proposal not be available to IWG-3 at that time, the meeting would not be necessary.

8. Other Business

There was no other business to discuss.

The meeting adjourned at 10:50.

Documents Distributed: The following documents were distributed prior to the meeting and discussed during the meeting.

1. IWG3/029: Ninth IWG-3 Meeting Agenda
2. IWG3/027: Minutes from Eighth Meeting of IWG-3
3. IWG3/021: final draft: Proposal on Agenda Item 1.10
4. IWG3/028: draft proposal on Agenda item 1.7

Public Participation Statement: This meeting was open to the public.

Author: Jack Wengryniuk

ATTACHMENT

Attendees to 9th Meeting of WAC-15 IWG-3

Last Name	First Name	Company
Baruch	Steve	Spectrum Five
Biggs	Mike	FSAA
Billquist	Scott	World Radiocommunication Report
Choi	David	Mitre
Creaser	Giselle	Consultant
DeVane	Candice	Intelsat
Dockemeyer	Bob	Delphi
Entz	Kyle	Sprint
Feldhake	Glenn	NASA
Feltman	Andy	Exelis
Greenhill	John	DoE
Henriques	Humberto	Telecom Strategies
Hill	Joe	FCC
Jacobs	Ed	ASRC for NASA
Jansky	Donald	Jansky-Barmat Telecommunications Inc.
Kotler	Scott	NTIA
Ladson	Damon	Wiltshire Grannis
Leon	Giadira	HNS
Maimo	Angela	NTIA
Nelsen	John	SES
Nguyen	Anh-Thu	Excelis
O'Keefe	Kelly	Access Partnership
Ours	Adam	Intelsat
Patten	Brian	NTIA
Persaud	Sankar	FCC
Reed	Larry	ASRC for NASA
Rinker	Alan	Boeing
Rosenbaum	Zach	SES
Sanders	Amy	Alcatel Lucent
Sham	Cathy	NASA
Weinreich	Dave	Globalstar
Wende	Charles	ASRC for NASA
Wengryniuk	Jack	DIRECTV
Whyte	Wayne	NASA
Williams	Jonathan	NTIA