

WRC-12 ADVISORY COMMITTEE
Meeting Minutes

Meeting: IWG-3 Eighteenth Meeting
Date/Time: 3 March 2011, 1:00 pm.
Location: FCC, 445 12th St., S.W. Washington, D.C. Room 2B516

Minutes Prepared by: Kathryn Martin

Participants Present:

Jack Wengryniuk, DIRECTV (IWG-3 Chair)
Donna Bethea Murphy, Iridium (IWG-3 Vice Chair)
Kim Baum, SES
Christine DiLapi, Mitre
Joe Hill, FCC
Don Jansky, Jansky Barmat
Perry Klein, AMSAT
Dan Jablonski, HHU/APL
Ken Keane, Duane Morris
Mike Lemke, DoD
Kathryn Martin, Access Partnership
Michael Mullinix, FCC
Sankar Persaud, FCC
Alan Rinker, Boeing
Brennan Price, ARRL
Marc Ehudin, Textron

Participants Present by Phone

Andy Feltman, ITT for DISA
Scott Kotler, NTIA
Edward Rocksvold, DoD
Zachary Rosenbaum, SES
Amy Sanders, Alcatel-Lucent
Tom Tycz, Goldberh, Godles, Wiener, Wright
Hau Ho, NGST

Meeting Summary

1. Introductions

Mr. Wengryniuk opened the meeting, noting that it was the eighteenth meeting of IWG-3. A round of introductions was held for participants in the room and on the phone and no one was identified as a federally registered lobbyist. A separate request was made for participants on the conference bridge to send the Chairman a note indicating their attendance.

The chairman noted that this was the last meeting in the IWG process before final submissions go to the WAC. The meeting was open to the public.

2. Approval of the Agenda

The Agenda was approved after several edits including updates to document numbers and reassigning Doc IWG3/055 to agenda item 4.

3. Approval of the Seventeenth Meeting Minutes

The minutes of the 17th meeting (IWG-3/052) were reviewed and approved with no changes.

4. AI 1.25: Additional MSS allocations 4 -16 GHz

Docs IWG3-046r2, IWG3-049, IWG3-055 and IWG3-057r1

Kim Baum (SES World Skies) introduced Doc 46 rev 2 and highlighted the recent edits to the sections of the document regarding the proposed 10.55 -10.6 GHz band. She noted that she's working with other interested parties on the text surrounding the other proposed bands for Agenda Item 1.25 (5150-5250 MHz and 7055-7125 MHz) where the group has not come to agreement. She noted that IWG-3 might have to create a separate document proposing only the 10.55-10.6 GHz band since it reached consensus. The meeting agreed with that approach and decided to submit to the WAC a document that addresses just the 10GHz band. Kim Baum verbally walked through the document identifying those sections that would remain.

There was a short discussion on handling the portions of the document that did not receive consensus from the whole group, as this is the last meeting of the IWG-3. It was suggested those proposals that did not achieve consensus could be submitted to the ITAC WRC delegation process or the US CITEL preparatory process for continued progress and consideration. Participants at the meeting agreed that it would be best to submit the unfinished portions to another US preparatory process for consideration.

Ken Keane introduced document IWG-3/055 that notes that sharing studies for the band 5150-5250 MHz are still ongoing in WP4C and that it would be premature for IWG-3 to propose this band for MSS. The group acknowledged that there was no consensus on this band and that it would not be submitted to the WAC for Agenda Item 1.25 as a proposed band suitable for MSS.

Kim Baum introduced Doc IWG-3/057r1, which addresses the 15GHz band portion of the AI 1.25 proposals. As this band is also being considered by IWG-1 for a potential allocation to the RLS services, Kim announced that IWG-3/057r1 is a companion document to one within IWG-1 on Agenda Item 1.21. She noted that the IWG-3 document calls for an allocation to MSS in the 15.4 – 15.6 GHz band and the IWG-1 document proposes an allocation to the RLS service in the

15.4-15.7 GHz service. Both documents contain a similar WRC Resolution, which addresses interference protection and coordination of both services in the band 15.4 – 15.6 GHz. Kim mentioned that she's been working closely with Rick Reaser of IWG-1 to ensure that the text of both draft documents remains consistent. Accordingly, the outcome of this IWG-3 meeting would be circulated to IWG-1 for its review by noon on March 4, 2011. The meeting made general comments about the document noting its synergies with the IWG-1 document on AI 1.21 and suggested minor edits. Alex Roytblat (FCC) raised a concern over the appropriateness of the draft WRC Resolution which calls for the FCC, as a notifying administration, to keep track of and coordinate mobile earth stations with other countries. He stated that it would be difficult for the FCC to provide this type of information to other administrations and suggested that the coordination requirements within Article 9 should be sufficient. The authors took note of the proposed edits and agreed to circulate a revised version. The document was approved subject to the agreed edits and will be submitted to the WAC meeting March 8, 2011.

AI 8.2: Future agenda items (IWG-3/053)

The NTIA proposed a WRC-15 agenda item contained in IWG-3/053 for extension of EESS in the 7190-7235 MHz band. The chair recognized that this proposal was tied to one of the bands under consideration for the AI 1.25 proposals. As such, the meeting agreed that IWG-3 would be unable to render an opinion on the NTIA proposal at this point.

Scott Kotler introduced the NTIA proposal for a future agenda item for WRC-19 to identify spectrum for command, control and data relay for nanosatellites (IWG-3/054). He mentioned that many nanosatellites and picosatellites are in use today, using bands around 400 MHz, but their missions are not consistent with the service allocations for those bands. The NTIA proposal calls for the ITU-R to conduct studies and for WRC-19 to consider allocating 10MHz in the 400-2025 MHz range for SRS to support nanosatellites.

ARRL/Boeing introduced document IWG-3/058, which provided edits to the NTIA proposal from an amateur satellite perspective. They identified the need to develop a process for coordinating secondary payloads that launch nanosatellites and noted that there is currently inadequate process for coordination and notification of nanosatellites. Others within the room, notably Don Jansky, objected to both contributions stating that there was no justification for allocating 10 MHz to nanosatellites, that the requested band was heavily congested and that the proponents should consider using existing SRS bands first. There was also concern expressed by vice-chair Donna Murphy that there has to be a regulatory structure created first to accommodate picosatellites and nanosatellites before considering allocating spectrum. Ultimately, there was no consensus reached on this subject with the meeting not supporting the NTIA proposal or the related IWG-3/058 document.

5. Other Items

The meeting thanked the Chair and Vice-Chair for their excellent stewardship in leading this IWG and gave them a hearty round of applause.

7. Adjournment

The meeting adjourned at 2:00pm.