

IWG-3/019
03 August 2009

WRC-11 ADVISORY COMMITTEE
Meeting Minutes

Meeting: IWG-3, Fifth Meeting
Date/Time: Wednesday, July 15, 2009, 13:00 Hours
Location: FCC, 445 12th Street, S.W., Washington, D.C. 20554
Conference Bridge: 1-800-771-8734, Code #: 8843950#

Committee Members Present:

Jack Wengryniuk, DIRECTV (IWG-3Chair)
Donna Bethea Murphy, Iridium (IWG-3 Vice-Chair)
Damon Ladson, Wiltshire & Grannis LLP (for Skyterra)
Tom Tycz, Goldberg, Godles, Wiener & Wright (for Skyterra)
Don Jansky, JBT
Dave Weinreich, Globalstar
Kathryn Martin, Access partnership
Kim Baum, Motorola
Dave Case, Cisco
Scott Kotler, NTIA
Liching Sung, NTIA
Jerry Conner, ITT/DoD
Sankar Persuad, FCC (IWG-3 FCC Representative)
Alex Roytblatt, FCC DFO
Michael Mullinix, FCC (IWG-3 FCC Representative)
Joseph Hill, FCC

Committee Members Present (Phone):

John Gilsean, TerraStar
Larry Reed, ASRC
Chris Murphy, Inmarsat
Andy Feltman, ITT/DOD
Amy Sanders, Alcatel-Lucent
Giselle Creaser, Lockheed-Martin
Tom Walsh, AV Telconsult
Bill Rummler, Consultant for FWCC
Chris Hofer, Defense Spectrum Organization
Christine DiLapi, MITRE
Dante Ibara, FCC

Meeting Summary:

- 1) Introductions were made and the agenda was approved.
- 2) Approval of the 4th meeting minutes.

The minutes from the 4th meeting of IWG-3 (Doc. IWG-3/016) were approved without comment. A correction to the proposed agenda was offered by Mr. Larry Reed who noted that the meeting start time was listed as “13:00 a.m.” This drew a laugh from the participants. There were no other comments or corrections to the agenda.

- 3) Preparation of proposals.

The Chair, Jack Wengryniuk, reviewed the results of the Fourth Meeting of IWG-3 where a number of Preliminary Views (PVs) were adopted by IWG-3. It was noted that PVs for all WRC-11 agenda items attributed to IWG-3 were presented at the last full WRC Advisory Committee meeting, where all were approved. The Chair noted that, given that approved PVs have been produced, the group should now focus on producing draft proposals. Mr. Wengryniuk directed the group’s attention to a hyperlink to proposal preparation guidelines embedded in the meeting agenda.

The various agenda items attributed to the group were then discussed in turn as follows:

AI 1.7 : Availability of AMS(R)S spectrum. Damon C. Ladson and Tom Tycz (both representing Skyterra LLP) noted that previously a draft PV on this matter had been approved by IWG-3, but ultimately was not agreed by all U.S. Government interest. They indicated that they were continuing to have offline discussions with FAA to try and reach a consensus position. Skyterra expressed some concerns about possible changes to the L-Band and it was suggested that they also follow the discussions with FAA.

AI 1.11: SRS in the band 22.55-23.15 GHz. Mr. Don Jansky introduced Document IWG3/018. Mr. Jansky discussed the background and history of consideration of AI 1.11 in the U.S. preparation process, as well as at the last meeting of WP-4A where the United States submission to that meeting generated great debate (though not all of a technical nature), and ultimately was not approved. Mr. Jansky noted that the current document used the previous AI 1.11 PV as a basis, but in a somewhat simplified manner with no resolutions or recommendations. Instead, the current document would take “Resolves 2” of the prior Resolution and put that language into a footnote. Mr. Jansky noted that for the next meeting of IWG-3, additional material will be added including a proposal to add the SRS to the band 22.55-23.15 GHz.

AI 1.13: BSS in Regions 1&3 in the 21.4-22 GHz band. The Chair noted that this issue (use of the band 21.4-22 GHz for BSS and associated feeder links in Regions 1 and 3) was “lots of fun” at the last meeting of ITU-R WP 4A. Essentially, one interpretation of associated Resolution 525 (WRC-07) is that Regions 1 and 3 BSS operations are not required to protect Region 2 terrestrial operations. The Chair noted the Asia-Pacific Telecommunity’s views on this matter (i.e., protection of Region 2 FS), as well as a document Canada had submitted for an RRB ruling on this matter (note: the RRB chose not to consider the Canadian document substantively, but rather noted that the issue would be discussed/decided at the next WRC).

Mr. Jansky noted that a proposal advocating Region 2’s view on this matter had received full support at the most recent CITEL PCC.II meeting and, in fact, was the only draft Inter-American Proposal thus far. The Chair noted that the FS was at risk and that FS interests should be involved. The Chair requested that Mr. Rummler (FWCC) become involved in drafting appropriate material.

AI 1.18: Global primary RDSS (space-to-Earth) in the 2483.5-2500 MHz band.

Mr. Weinreich of Globalstar noted that previously a PV on this matter had been reconciled with NTIA’s RCS. He noted that this matter is also the subject of discussions in ITU-R WP-4C, and that he might hold off on producing further material until after WP-4C meets in September. But he also suggested to the group that he might produce a Preliminary Proposal. The Chair inquired about APT/CITEL “standard compatibility language” in relation to this matter. Mr. Weinreich stated that compatibility studies are not yet complete. Nevertheless, he might produce a Preliminary Proposal for the next FCC WRC Advisory Committee Meeting. Mr. Roytblat of the FCC inquired as to what might be contained in such a proposal, noting PFDs as an example element. Mr. Weinreich responded that perhaps it might contain a co-primary global allocation conforming to a Resolution.

AI 1.24: Extending 7750-7850 MHz MetSat allocation to 7750-7900 MHz. The Chair noted that the bands under consideration pursuant to AI 1.24 are non-commercial bands, thus there would not be much to develop from IWG-3’s perspective.

AI 1.25: Additional MSS allocations with a particular focus on the 4-16 GHz range. The Chair noted that this subject has received a great degree of attention in CITEL and the APT. He also noted that WP 4C had produced a “huge document” summarizing the status of various frequency bands (with associated pros and cons to MSS use of each band). Brief discussion ensued on the efficiency of such an approach given the time remaining to work the issue through the ITU-R process, implying that a paring down of bands might be a first step to addressing this agenda item.

Mr. Jansky noted that CEPT's Project Team D (PT-D) had developed a chart, which might show what bands remain after removing unlikely candidates from consideration. Mr. Conner added that DoD had developed such a chart as well.

Mr. Jansky provided the group a summary of recent CITELE discussions on this matter. He noted that the Canadians had at least one recent ITU filing involving micro-satellites, and that a Canadian delegate was pushing the concept strongly at the last CITELE meeting. Such filings might be an indication of what bands MSS interests have in mind. Mr. Jansky noted too that in another U.S. preparatory process, a Fact Sheet on an NGSO MSS system has been submitted.

It was noted that Inmarsat heads the AI 1.25 group in ITU-R WP-4C. Mr. Murphy of Inmarsat was asked what bands Inmarsat might be focusing on. In particular, Skyterra noted that it may be supportive of MSS spectrum where it makes sense to allocate more MSS spectrum. Mr. Murphy indicated that, going forward, his organization would work with Skyterra.

AI 8.2: Future agenda items. No one came forward with possible proposals for future agenda items at this stage.

Mr. Wengryniuk summed up by stating that the group expects to produce for consideration at the next FCC WRC Advisory Committee Meeting Draft Proposals on Agenda Items 1.7, 1.11, 1.13, and 1.18.

5) Summary of discussion on A.1.20 (HAPS) with IWG-2.

Ms. Kimberly Baum (Motorola), the Chair of IWG-2, gave an update on A.1.20 on High Altitude Platform stations (HAPS). Ms. Baum noted that two volunteers had stepped forward to draft a Preliminary Proposal on A.1.20. Mr. Weinreich inquired as to the possibility of moving future consideration of this AI to IWG-3, however the DFO indicated that the WAC would stay with the status quo attribution of AIs. As in the past, meeting times of IWG-2 and IWG-3 will be closely coordinated to facilitate IWG-3 participation in this IWG-2 AI.

6) Other Items.

During the discussions it was announced and noted that NTIA's RCS does not intend to produce proposals on Agenda Items 1.7, 1.18, and 1.25.

7) Next Meeting Time and Place.

It was agreed that the sixth meeting of IWG-3 would be held on Wednesday, August 5, 2009, at the FCC at 9:30 a.m. and the seventh meeting would be held on August 24 at the FCC, also at 9:30 a.m.

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

Minutes Drafted By: Damon C. Ladson