

WRC-12 ADVISORY COMMITTEE
Informal Working Group 3
Meeting Minutes

Meeting: IWG-3 Fifteenth Meeting
Date/Time: 14 December 2010, 11:00 am
Location: FCC, 445 12th St., S.W. Washington, D.C. Room: 2-B516

Participants Present:

Jack Wengryniuk, DIRECTV (IWG-3 Chair)
Kim Baum, SES World Skies
Zachary Rosenbaum, SES World Skies
Brandon Mitchell, NTIA
Sankar Persaud, FCC
Joseph Hill, FCC
Don Jansky, Jansky-Barmat Telecommunications Inc.

Participants Present by Phone

Steve Baruch, Lerman Senter
Steve Doiron, HNS
Andrew Feltman, ITT for DISA
Katherine Green, ITT
Ed Jacobs, ARTS for NASA
Damon Ladson, Wiltshire Grannis for Lightsquared
Chris Murphy, Inmarsat
Kelly O'Keefe, Access partnership
Alan Rinker, Boeing
Rhys Robinson, Terrastar
Bill Rummmler, Consultant FWCC
Liching Sung, NTIA
Tom Tycz, Goldberg, Godles, Wiener and Wright
Tom Walsh, Aerospace
Wayne Whyte, NASA
Franz Zichy, DoS
Christine DiLapi, Mitre

Meeting Summary

1. Introductions

Mr. Wengryniuk opened the meeting, noting that it was the fifteenth meeting of IWG-3. A round of introductions was held for participants in the room and on the phone. No one identified themselves as a federally registered lobbyist. The meeting was announced in an FCC Public Notice and was open to the public.

2. Approval of the Agenda

The Agenda (See IWG-3/044) was presented and approved.

3. Approval of the 14th Meeting Minutes

The minutes of the 14th meeting (IWG-3/043) were reviewed and approved without change.

4. Status of preparation of proposals

A.1.7: Availability of AMS(R)S spectrum

It was reported that at the CITELE meeting the US proposal had been merged with a Canadian proposal on this item and a Draft CITELE IAP was created with US and CAN support. The modified proposal builds on the CITELE Draft IAP and separates out future studies of AMS(R)S spectrum requirements into a draft New Resolution.

A. 1.11: SRS in the band 22.55-23.15 GHz

Wayne White mentioned that there is now a full CITELE IAP with 8 administrations supporting and that this IAP was in line with the US proposal. There was small discussion regarding specifying the coordination of SRS earth stations through the use of a footnote with a set coordination distance vs use of Appendix 7 of the Radio Regulations.

A.1.13: BSS in Regions 1&3 in the 21.4-22 GHz band

It was reported that more countries had added their names to the CITELE IAP on this agenda item, which is consistent with the US proposal developed in IWG-3.

As a related item, it was reported that CITELE has created Rapporteurs which will report to CITELE on activities in Study Group 4 and its Working Parties. Given consent by a CITELE decision, these Rapporteurs could also represent CITELE's views to the respective Study Group or Working Party. The Study Group 4 reporter is Muya Wachira from Canada. Working Party 4A reporter is Don Jansky from USA.

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

LiChing Sung mentioned that there is a Draft CITELE IAP with support from three countries (US, CAN, MEX) and conditional support from CAN on the 4 dB relaxation of the coordination threshold.

A1.24: Extending 7750-7850 MHz MetSat allocation to 7750-7900 MHz

The IWG-3 previously determined that there is no industry view on this AI as the bands are not available for commercial operations. A US proposal has already been approved and was sent to CITELE (USPR 1.24 CITELE). It was reported for the information of the group that there is now a CITELE IAP on this agenda item with eight countries supporting this IAP.

A1.25: Additional MSS allocations 4-16 GHz

Kim Baum refreshed the group on how the first version of Document 37 was presented in July, and revisions were presented to the two IWG-3 meetings since then. Comments had been made on a subset of the bands, in particular the 5 GHz band and part of 7 and 10 GHz bands. In order to move forward, the authors had separated the original document IWG-3/037 into two parts, A and B, in this 3rd revision. Part A contains the frequency bands where no comments were made in the previous 3 meetings of IWG-3 where Document 37 was considered. Part B contains the other bands where comments have been made and the authors are discussing the details with those that have commented. It was decided that Part A will maintain the original document # IWG-3/037 and that Part B will receive a new number IWG-3/046.

Kim Baum mentioned that comments were received after rev 3 of Document IWG-3/37 was circulated from Giselle Creeser that Lockheed Martin did not support 15.43-15.63 GHz in the

proposal. It was decided that this band would be moved to document IWG-3/046 for further discussion. It was mentioned that more discussion will be had with Giselle Creeser regarding Agenda Item 1.21 as well.

Hughes expressed support for the Part A document (IWG-3/037). Inmarsat also offered very strong support for this document.

Bill Rummler raised concerns relating to the band 10.5-10.6 GHz and the splitting of this band between Part A and Part B. He stated that, in his view, it seemed challenging to move forward with type of split. Kim Baum and Don Jansky will expand on the background in Part A to address these concerns of splitting the band.

Bill Rummler raised concerns on the PFD threshold compared to hard PFD limits. He mentioned that hard PFD limits are preferred as FS has no "well developed processes" in place to deal with PFD thresholds with reference made to previous studies. Don Jansky indicated there are ITU-R Recommendations for PFD threshold coordination. Kim Baum provided examples in different bands where PFD thresholds are applied in similar scenarios, particularly when the pfd levels considered are constraining on the space service (e.g., the levels under consideration here are much more constraining than those in Article 21 for the 10.7-11.7 GHz band).

With regard to the Part B portion, Bill Rummler raised concerns around the coordination of global earth stations. Kim Baum mentioned this would be handled by the note on Appendix 7 in document IWG-3/046 and that this was only addressing international coordination.

Both Part A and Part B of this draft proposal was tabled for further discussion at the next meeting of IWG-3. Mr. Wengryniuk requested the interested parties discuss more offline with the aim to approve Part A (document IWG-3/037) at the next meeting.

It was also mentioned that at CITEL, Brazil proposed NOC for all bands and CAN proposed NOC for the 7 and 8 GHz bands.

Lastly, discussions were had regarding the timing of the reconciliation of documents between the FCC and NTIA. The FCC indicated that the reconciliation process with NTIA for anything approved by IWG-3 on this issue would start after the document is approved by the WAC.

AI 8.2: Future agenda items

Don Jansky presented a proposal describing the need for a future agenda item around the spectrum imbalance in ITU-R Regions 2 and 3 in the 10/15 GHz bands. Katherine Green commented that resolves three might not be needed. Don suggested keeping it in.

Mr. Wengryniuk will provide a few detailed comments offline and the group will consider a revised version at its next meeting.

5. Other Items

There were no additional items raised.

6. Next meeting time and place

It was agreed to schedule two additional IWG-3 meetings before the next WAC on March 8. The next meeting of IWG-3 will be held on **Thursday, 20 January at 1:00 PM** with the location to be announced. The second meeting of IWG-3 is to be held on **Thursday, 10 February at 10:00 AM** with the location to be announced.

7. Adjournment

Holiday greetings were wished to one and all. The meeting adjourned.

Minutes by: Zachary Rosenbaum