

DRAFT
WRC-03 ADVISORY COMMITTEE

IWG-5

5 GHZ, 13.75-14.0 GHZ AND MARITIME ISSUES

Meeting Minutes

Meeting: Second Meeting of IWG-5

Date/Time: April 3, 2001, 9:30 am

Location: PanAmSat, 1133 Connecticut Avenue, Washington, DC

Committee Members Present: D. Jansky, Chairperson; D. Bethea, Vice-Chair

FCC Employees Present: R. Swanson (via conference call), J. Martin

Meeting Summary: Author: B. Ramsay
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The second meeting started with introductions of the Chair, Vice-Chair and participants present. The Chair distributed the proposed Terms of Reference for IWG-5. This was a revision of the original Terms of Reference to remove WRC-03 Agenda Item 1.8 from the Terms of Reference for IWG-5. The agenda was approved with the addition of report on activities within JWP 8A/9B relative to WRC-03 Agenda Item 1.5 (radiolocation radars at 5GHz). The Chair then discussed the schedule of upcoming meetings and noted the Chair/Vice Chair meeting on the 19th of April and the full WAC meeting on the 20th of April. The meeting of the full WAC was noted in that it will be the last opportunity to approve WAC output Preliminary Views (PVs) for resolution between the FCC and NTIA in time for the upcoming CITEL meeting (Ottawa, June 11-15, 2001). The Chair also noted that Preliminary Views of the Government RCS process had been distributed electronically and would be a subject for discussion at the meeting.

Brian Ramsay of Lockheed Martin brought to the attention of the group that one element under study in IWG-5, Agenda Item 1.24 (13.75-14.0 GHz band issues) was the subject of a recent revision of the US table (NTIA and FCC versions) of frequency allocations and that the 6 MHz band in which the space services receive additional protection had expanded to 10 MHz domestically. He indicated Lockheed Martin was not questioning the NASA requirement but that the members of IWG-5 should be aware of the rules change when addressing that agenda item. He further indicated that the US position on this issue internationally would best be addressed by the FCC. John Martin of the FCC indicated that ~~he had discussed the issue with~~ this subject had arisen at the recent US JTG

4-7-8 meeting and that Wayne Wamback of DISA, Chair of US JTG 4-7-8, who apparently had some questioned as to whether JTG 4-7-8, where this issue is under study, is the right forum for seeking a change in the allocation-ITU Radio Regulations.

Richard Swanson of the FCC discussed the general handling of maritime issues and noted that these were being coordinated by correspondence under WP 8B. He indicated that they had no clear guidance from State Department on attaining a US position on issues being coordinated by correspondence. Darlene Drazenovich indicated that submissions would still normally be coordinated through National Committee.

Kathryn Medley of NTIA gave a brief summary of activities of JWP 8A/9B relative to the 5 GHz issues (Agenda Item 1.5) and indicated the Europeans are pressing hard on the development of a recommendation on Hiperlans. Dave Weinreich of Globalstar indicated that similar work on MSS feederlinks at 5 GHz was on-going within WP 4A. John Zuzek of NASA indicated that the CPM text on this agenda item would be developed within JTG 4-7-8-9 and that the next international meeting of this group would be held in June in Cleveland, Ohio.

The Chair then discussed WRC-03 Agenda Item 1.5, noting the PV of the RCS on this agenda item. After brief discussion, IWG-5 agreed with the RCS PV without edit. It was noted by Darlene Drazenovich, and later again by Jim Carroll of SFA, that at the next meeting of the RCS (Thursday, April 5th), all of the PVs would be subject to revision as the RCS tries to approve all of their draft PVs.

Richard Swanson addressed WRC-03 Agenda Items 1.9 (Appendix S13 and Resolution 331 related to GMDSS) and 1.10 (and subparts, related to maritime mobile issues). He indicated that discussion between NTIA and FCC was on going. IWG-5 agreed that they would endorse whatever NTIA and FCC adopted, as there was apparently little private sector interest in these two agenda items.

Richard Swanson discussed Agenda Item 1.14, dealing with Resolution 207 and 347 (WRC-97). There was no private sector interest indicated on Resolution 207 and it was noted that there were no aviation interests in attendance to address AMS(R)S issues.

The Chair next introduced Agenda Item 1.17 and Darlene Drazenovich indicated that the RCS preliminary view was to upgrade the allocation status of radiolocation radars in the 2900-3100 MHz band. There was no objection raised by IWG-5 members, who endorsed the RCS PV on this issue.

Discussion then turned to WRC-03 Agenda Item 1.24. A draft Preliminary View of IWG-5 on this issue, which had been distributed earlier in the meeting by Chris Hofer of Panamsat, was discussed. Jim Carroll gave a brief bit of history on how the footnote of concern in this agenda item was first developed at WARC-92. He described a compromise between the various competing interests (space operations, DoD radars, and FSS interests) that the footnote encompasses. Phil Rubin of Panamsat noted that there is widespread support internationally for removing the 4.5 meter antenna diameter

restriction in Footnote S5.502 and that many countries already use smaller diameter antennas in this band in violation of the Radio Regulations. He also indicated that Panamsat was continuing to work on this issue and expressed the need for additional characteristics of the DoD radars now operating in the band. Kathryn Medley indicated that, while much of the required technical information would come out of the work of JTG 4-7-8, she would forward any specific request for technical information to appropriate Government persons. Jim Carroll offered that in some cases the parameters of the radars, and particularly possible increases in the power radiated by the radars, were still being discussed between the Government and the contractors building the radars and that additional information may be difficult to attain. The Chair asked if there was any objections to the IWG-5 draft PV on this issue, noting that this was an industry group. Brian Ramsay indicated that while he didn't oppose the PV, he felt a more comprehensive solution to all of the issues under this agenda item (increased power for the DoD radars, increase in the space operations protected band from 6 to 10 MHz, and reduction in 4.5 meter antenna restriction) would be more productive way forward toward achieving a US proposal for relaxation of the antenna size restriction. ~~The PV was approved by IWG-5 without edit.~~ Industry members of the IWG approved the PV without edit.

The Chair then introduced Agenda Item 1.28. As there were no aviation interests in attendance, IWG-5 agreed to endorse the PV of the RCS on this issue.

The Chair noted that in general, IWG-5 agreed to endorse most of the RCS PVs within IWG-5's purview, with the exception of Agenda Item 1.24. Even on this issue however, it was noted by the Chair that there might be an achievable compromise on a PV in that the studies on this issue are still being conducted.

Future Meetings:

The next meeting (tentative) was announced as April 18th, 2001 at PanAmSat, 1133 Connecticut Avenue, Washington, DC, at 9:30 am.

Other Business and Adjournment:

There was no other business raised. The meeting adjourned at 11:10 am.

Attendance:

D. Jansky, D. Bethea, R. Swanson, T. Maguire, J. Carroll, ~~D. Siddall~~, P. Rubin, A. Latker, B. Allen, M. Mitchell, S. Watterson, J. Kneuer, M. Lewellen, D. Drazenovich, C. Hofer, D. Messer, R. Routier, J. Martin, B. Ramsay, K. Medley, ~~J. Kneuer~~, C. Glass, R. LeClair, J. Zuzek, R. Wright and D. Weinreich.