IWG-3/030 (7.19.17)

**Meeting Minutes**

Meeting: Eighth meeting of WAC-19 IWG-3

Date/Time: 19 July 2017/13:00 EDT

Location: Teleconference

Committee Members & Observers Present: See attachment

FCC Employees Present: See attachment

Meeting Summary:

1. Introductions/Opening remarks: The Chair welcomed all participants to the eighth meeting of WAC-19 IWG-3 and gave brief comments on the objective of the meeting. Participants on the call introduced themselves and participation of a designated federal official was confirmed. Alex Epshteyn graciously volunteered to take minutes for this meeting.
2. Approval of the Agenda: The Chair offered the draft Agenda (Document IWG-3\_028) to the meeting. The draft Agenda was agreed.
3. Approval of the minutes from 7th meeting: The Chair sought approval for the previously distributed minutes from the seventh IWG-3 meeting (Document IWG-3\_027\_R1). Hearing no comment, the minutes were approved.
4. Other meetings of interest since last meeting of IWG-3: The Chair gave a brief summary of the recent meeting of CITEL PCC.II, noting that there was a large interest in a number of WRC-19 agenda items. The chair indicated that interested participants will have an opportunity to discuss each WRC-19 Agenda Item during the update of status of PV discussion of the meeting.
5. Update of status of PVs already approved by IWG-3: The Chair provided an opportunity for participants to discuss PV’s and each WRC-19 agenda item addressed at the June, 2017 meeting of CITEL PCC.II. It was also noted that all of the IWG-3 approved PVs had been reconciled and sent to PCC.II.

**Agenda Item 1.2**: power limits for MSS, MetSat and EESS e/s around 400 MHz (Res. **765 (WRC-15)**)

A representative from the FCC updated the group that the US PV was joined by Canada.

**Agenda Item 1.5**: GSO/FSS ESIM use of Ka-band (Res. **158 (WRC-15)**)

A representative from the FCC updated the group that there were two separate views on this issue as a result of the CITEL meeting. One view, from Canada, points to studying non-GSO FSS systems and GSO feeder links as part of this agenda item. The second view, from Brazil and the US supports looking at different aspects of ESIM operations. It was noted that there is no issue coordinator within CITEL for this agenda item and the US indicated that it will provide a name to be the coordinator at the next meeting. It was also noted that there is an alternate coordinator from Columbia.

**Agenda Item 1.6**: Non-GSO FSS in Q/V-bands (Res. **159 (WRC-15)**)

It was noted to the meeting that the background sections from both the US PV and the Canadian PV were consolidated but the views from both administrations were kept separate.

**Agenda Item 9.1** (Issue 9.1.3): Non-GSO in C-band (Res. **157 (WRC-15)**)

It was noted to the meeting that the US PV was inserted as a separate view to the existing PV from Canada and Brazil. Additionally, it was noted that Canada had a draft Preliminary Proposal to the meeting that had become a draft IAP. The FCC indicated that IWG-3 should consider their views on the draft IAP in future meetings and the chair agreed that this should be considered. The Chair offered to circulate the CITEL draft proposal to the group and members were encouraged to review before the next meeting.

**Agenda Item 9.1** (Issue 9.1.9):FSS (E-to-s) in 51.4-52.4 GHz (Res. **162 (WRC-15)**)

A representative from the NTIA indicated that the US introduced their PV and there were no additional inputs at this meeting of CITEL.

**Agenda Item 10**: Future WRC agenda items

It was noted that there was no action at this CITEL meeting related to Agenda Item 10.

1. Status of remaining WRC-19 AIs assigned to IWG-3:

**Agenda item 1.3**: The chair asked the author of the proposed changes to the RCS PV as submitted in document IWG-3\_029 to introduce the changes. The author indicated that field tests are being planned to study the potential change of pfd limits on National Public Safety telecommunications systems. A number of clarifying comments were received from participants on the revised document including editorial suggestions to re-arrange some elements of the text. The author indicated that the suggested changes will be considered for the next version of the document. The IWG-3 Chair stated that the document will be tabled until the next meeting at which point the field tests should be concluded, which may result in further revisions to the document.

**Agenda item 1.7**: The chair asked the RCS representative from the NTIA if there would be any action on this Agenda Item. The RCS representative indicated that there is currently ongoing work on this issue at ITU-R WP7B and the RCS will await the outcome of the ITU-R Working Party activities to see if the RCS has any interest in developing a PV on this issue.

1. Status of WRC-19 Proposal development

**Agenda Item 9.1** (Issue 9.1.7):limiting unauthorized e/s transmissions (Res. **ITU-R 64**): Draft U.S. Proposal

The NTIA representative provided a summary that the U.S. has the only Preliminary Proposal on this issue and no other administration yet signed onto it at CITEL.

1. Future meetings: It was agreed to schedule another meeting of IWG-3 on September 6th at 13:00 EDT.
2. Other business: It was announced that the next CITEL PCC.II meeting will be held from November 27 – December 1 in Columbia.

Documents Distributed: IWG-3\_27R1, 28, 29

Public Participation Statement: The teleconference only meeting of WAC-19 IWG-3 on 19 July 2017 was open to the public and 20 people participated.

Author: Alex Epshteyn

ATTACHMENT

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| Members | |
| Name | Company |
| Don Jansky | Jansky-Barmat Telecommunications |
| Dave Weinreich | Globalstar |
| Alex Gerdenitsch | Intelsat |
| John Prendergast | Monitoring Association (formerly CSAA) |
| Alex Epshteyn | Boeing |
| Matt Botwin | SpaceX |
| Damon Ladson | Harris Wilshire for Iridium |
| Bruce Kostreski | Comcast |
| Zach Rosenbaum | SES |
| Stephen Baruch | New Wave Spectrum Partners |
| Scott Kotler | Lockheed Martin |
|  |  |
| Observers | |
| Name | Company |
| Tom Hayden | TLH Consulting |
| Amy Sanders | NTIA |
| Larry Reed | ARTS for NASA |
| Brandon Mitchell | NTIA |
| Robert Denny | NTIA |
| Carmelo Rivera | NOAA |
| Shelli-Rose Haskins | NOAA |
|  |  |
| FCC Representativess | |
| Name | Company |
| Mike Mullinix | FCC |
| Clay DeCell | FCC |
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