**Meeting Minutes**

Meeting: IWG-4

Date/Time: Thursday, December 13, 2018 at 11 am EDT

Location: Conference call only

Committee Members & Observers Present: See Participants’ List (attached)

FCC Employees Present: Michael Mullinix (Designated Federal Officer), Larry Olson, Allen Yang

Minutes prepared by: Kim Baum

Meeting Summary:

1. Opening Remarks and Introductions. The meeting was called to order at 11:00 sharp, and all participants introduced themselves.
2. Approval of the Agenda. The agenda of the meeting (Document IWG-4/050 (12 December 2018) was approved with the addition of an item on the NTIA proposal on Agenda item 7 Issue H in Doc. WAC/074.
3. Appointment of Minutes Taker. Kim Baum volunteered to prepare the minutes for this meeting.
4. Approval of Minutes. The draft minutes of IWG-4, as contained in Document IWG-4/049, were approved without change.
5. NTIA Proposals Contained in WAC 74.
   1. AI 7 Issue I. It was noted that Mike Mullinix had re-distributed the latest set of suggested changes from Julie Zoller to the NTIA version of this proposal. Several additional changes were agreed during the meeting – in Table A, to change the reference in the first column from “A.4.b.4.a.1” to “A.4.b.1.a.1” and to add an “s” after “request” in the second column of the table for the entries for “A.4.b.1.a” and newly relabeled “A.4.b.1.a.1.” It was also noted that this document would be renumbered to Document IWG-4/051.
   2. AI 7 Issue H. It was agreed that IWG-4 has no comments or concerns with the proposal for Issue H contained in Document WAC/074. This will be reported to the next WAC.
6. Draft BR CPM Input and Draft NTIA Analysis of BR CPM Input. The meeting considered the draft BR input to the CPM on Agenda item 4/Resolution 95, as well as NTIA’s initial response to it (contained under agenda item 4 in Document WAC/074), which Mike Mullinix had circulated to IWG-4 by email on December 12th. The group agreed to review NTIA’s response and prepare any changes that are necessary.
7. Future Agenda Items under Agenda item 10. The Chair urged the group to develop proposals for future agenda items. It was noted that often the nature of IWG-4’s work, reviewing the latest version of the Radio Regs under a standing agenda item, inherently occurs post the most recent WRC.
8. Additional Agenda Items for Discussion. No additional Agenda Items were discussed.
9. Updates on relevant International meetings. It was noted that the December CITEL meeting in Brasilia was successful, and that the next PCC.II meeting will be in Monterey, Mexico in April (the limit meeting for new proposals) and the final meeting pre WRC will be in Ottawa in August. It was also noted that the CPM starts February 16th.
10. Next Meetings. The Chair noted that the next meeting of IWG-4 will be scheduled in consultation with IWG-3. The next full WAC is scheduled for March 11th.
11. Other Issues. No other issues were identified for discussion.

The meeting adjourned at 11:17 am EDT.

Documents Distributed:

* Agenda for the twelfth IWG-4 meeting (Document IWG-4/050)
* Draft minutes from eleventh IWG-4 meeting (Document IWG-4/049)
* Draft IWG-4 modifications to the NTIA proposal on Agenda Item 7, Issue I (distributed by email as Document IWG-4/050; subsequently renumbered to Document IWG-4/051)
* Draft BR Report to the CPM on Agenda item 4/Resolution 95 (Document IWG-4/052)
* NTIA Proposals (Document WAC 74)

Public Participation Statement:

This meeting was open to the public.

**IWG-4 Meeting Participants List**

**Name**

**Members**

Kim Baum, SES

Don Jansky, SpaceBelt

Jennifer Manner, EchoStar Corporation

Stephen Baruch, GPS Innovation Alliance

Julie Zoller, Omnispace

Tom Hayden, Omnispace

Chris Hofer, Viasat

Colin Alberts, Freedom Technologies??

Alexander Epshstein, Boeing

Oscar Guzman, Intelsat

Mariah Shuman, Oneweb

Matt Botwin

Scott Kotler, Lockheed

George John, Spire

Veena Rawat, GSMA

George John, Spire

Robert Briskman, XM-Sirius

Zach Rosenbaum, SES

**Observers**

Ken Keane

Joe Godles, Iridium

Larry Reed, ASRC for NASA

Colin Alberts, DoD??

Giadira Leon for the Air Force

Bill Travanitch, DOD

Mike Olson

Fernando Carillo, EchoStar

**FCC Representativas**

Michael Mullinix

Larry Olson

Allen Yang