

Meeting: INFORMAL WORKING GROUP 3 (IWG-3)

Date/Time: Thursday, August 1, 2024/2:00 PM ET

Location: Teleconference  
[Join ZoomGov](#)  
Meeting ID: 160 789 9181  
Passcode: 442135  
+1 669 254 5252 US  
+1 669 216 1590 US

Committee Members & Observers Present: See Attachment.

FCC Employees Present: See Attachment.

Meeting Summary:

### **Opening Remarks**

On Thursday, August 1, 2024, the Informal Working Group 3 (IWG-3) met virtually for the fourth time in preparation of the 44<sup>th</sup> PCCII meeting (September 22-27, 2024 in Mérida, Mexico). Opening Remarks and Introduction were given by the IWG-3 Chair, Mr. Alex Epshteyn where he welcomed all WAC Members, Participants, and FCC Representatives

### **Appointment of Minutes Taker**

Mr. Brennan Price (Viasat) volunteered to record the minutes of the fourth meeting.

### **Approval of the Agenda**

(Document IWG-3/015 4<sup>th</sup> Meeting Agenda (08.01.24) – Agenda was approved with no comments.

### **Approval of the Minutes from previous meeting**

Document IWG-3/016 (07.31.24) – Minutes were approved with no comments.

Meeting attendance was recorded by Zoom participation.

### **FCC DFO Update**

FCC DFO Mr. Gregory Baker gave a report on logistics and procedure for the meeting of the full WAC on Monday, August 5.

### **Further Discussions towards Development of IWG-3 Preliminary Proposals**

IWGs are expected to develop recommendations under AI 2, 4, 8, and 10 consistent with their expertise areas, and in particular to IWG-3, the following agenda items were introduced as a request for coordinators to develop views was indicated by the Chairman. For agenda items without a coordinator, the Chairman suggested that discussion will take place offline with the

Vice Chairman and interested parties to establish a coordinator or find another method to proceed without a coordinator until one is found.

Below are the agenda items with proposed coordinators (in brackets) based on WAC members/organization who have volunteered, to date. Documents for Agenda Items 1.1, 1.2, 1.3, and 1.4 were previously approved by IWG-3 on July 25.

<b>Agenda Item</b>	<b>Topic</b>	<b>Coordinator(s)</b>	<b>Discussion</b>
1.1	To consider the technical and operational conditions for the use of the frequency bands 47.2-50.2 GHz and 50.4-51.4 GHz (Earth-to-space) by aeronautical and maritime earth stations in motion communicating with space stations in the fixed-satellite service	Ryan Henry Michael Mullinix	IWG-3/008 – PV approved July 25.
1.2	To consider possible revisions of sharing conditions in the frequency band 13.75-14 GHz to allow the use of uplink fixed-satellite service earth stations with smaller antenna sizes	Anum Pirzada Ben Wagner	IWG-3/009 – PV approved July 25.
1.3	To consider studies relating to the use of the frequency band 51.4-52.4 GHz to enable use by gateway earth stations transmitting to non-geostationary-satellite orbit systems in the fixed-satellite service (Earth-to-space)	Hastyar Barvar	IWG-3/010 – PV approved July 25.
1.4	To consider a possible new primary allocation to the fixed-satellite service (space-to-Earth) in the frequency band 17.3-17.7 GHz and a possible new primary allocation to the broadcasting-satellite service (space-to-Earth) in the frequency band 17.3-17.8 GHz in Region 3	Alex Epshteyn	IWG-3/011 – PV approved July 25.

1.5	To consider regulatory measures, and implementability thereof, to limit the unauthorized operations of non-geostationary-satellite orbit earth stations in the fixed-satellite and mobile-satellite services and associated issues related to the service area of non-geostationary-satellite orbit satellite systems in the fixed-satellite and mobile-satellite services	Alex Epshteyn Damon Ladson Kim Baum	WG-3/012r2 – Mr. Damon Ladson (HWG for Iridium) introduced revision 2 of the document, developed during discussions by interested parties expressing views at the July 25 meeting.  After discussion the <b><u>document was approved by IWG-3 for submission to the WAC.</u></b>
1.6	To consider technical and regulatory measures for fixed-satellite service satellite networks/systems in the frequency bands 37.5-42.5 GHz (space-to-Earth), 42.5-43.5 GHz (Earth-to-space), 47.2-50.2 GHz (Earth-to-space) and 50.4-51.4 GHz (Earth-to-space) for equitable access to these frequency bands	TBD	None
2*	Examine revised Recommendations	TBD	None
4*	Review Resolutions and Recommendations of previous conferences	TBD	None
7	To consider possible changes to advanced publication, coordination, and notification procedures	Steve Baruch	None
8*	Review country footnotes	TBD	None
10	Future Agenda Items	Alex Epshteyn	None

*Note: Agenda items marked with an asterisk (\*) have not yet been assigned a coordinator.*

### **Remarks from NTIA**

Dr. Brian Patten joined the meeting in progress, as an RCS meeting had just concluded. Dr. Patten indicated that a draft RCS PV on Agenda Item 1.5 had been considered, but that the RCS was not in a position to approve the PV.

### **Future Meetings**

- WAC
  - August 5, 2024
- ITU-R Working Parties
  - 4A: October 21, 2024 - October 31, 2024 (Geneva, Switzerland)
- 44<sup>th</sup> Meeting of CITELEC II
  - September 22-27, 2024 (Mérida, Mexico)

**Any other business**

None

**Documents Distributed**

- IWG-3\_012R2(08.01.2024)\_ Draft PV for AI 1.5.docx
- IWG-3\_015\_4th Meeting Agenda (08.01.2024).docx
- IWG-3-016\_3rd Meeting Minutes (07.31.24).docx

**Public Participation Statement**

The teleconference-only meeting of WAC-23 IWG-3 on August 1, 2024 was open to the public and 48 people participated as listed in the Attachment.

**ADJOURNMENT**

The meeting adjourned at 2:14 P.M.

I hereby certify that, to the best of my knowledge, the foregoing minutes are accurate and complete.

Brennan Price  
Appointed Minutes Taker  
Viasat

These minutes will be formally considered by IWG-3 at its next meeting, and any corrections or notations will be incorporated in the minutes of that meeting.

## ATTACHMENT

Name	Organization	WAC Affiliation
Alex Epshteyn	Chair/Amazon Project Kuiper	Member
Ryan Henry	Vice Chair/SES	Member
Gregory Baker	FCC DFO	
Dante Ibarra	FCC	
Eric Grodsky	FCC	
Allen Yang	FCC	
Kathryn Medley	FCC	
Donna Wang	FCC	
Hastyar Barvar	Amazon	Member
Reza Arefi	Apple	Member
Dan Mansergh	Apple	Member
Jonathan Siverling	ARRL	Member
Toby Youell	Avanti Communications	Member
Michael Mullinix	CTIA	Member
Steve Dulac	DIRECTV	Member
Arvin Tangestanian	Eutelsat Group	Member
Ben Wagner	Eutelsat Group	Member
Steve Baruch	GPSIA	Member
Veena Rawat	GSMA	Member
George John	Hogan Lovells for Fleet Space	Member
Damon Ladson	HWG for Iridium	Member
Giselle Creeser	Intelsat	Member
Anum Pirzada	Intelsat	Member
Tatiana Lawrence	Iridium	Member
Frank Korinek	Motorola Solutions	Member
Robert Weller	NAB	Member
Judy Deng	SES	Member
Pascale Dumit	T-Mobile	Member
Daudeline Meme	Verizon	Member
Max Solondz	Verizon	Member
Christopher Bair	Viasat	Member
Brennan Price	Viasat	Member
Carmelo Rivera	ACES for DON CIO	Observer
Audrey Allison	Aerospace for DoD CIO	Observer
Konstantinos Stefanidis	ASRC/NASA	Observer
Vassilios Tsiglifis	DOC/NOAA	Observer
Tom Wojtaszek	DOC/NOAA	Observer
Fernando Carrillo	EchoStar	Observer
Randy Crantz	FTI	Observer
Jack Wengryniuk	HII for DoD CIO	Observer
Tanin Izadi	HII for DoD CIO	Observer
Franz Zichy	HII for DoD CIO	Observer
Andy Feltman	HII for DoD CIO	Observer
Edna Prado	NOAA/DOC	Observer
Brian Patten	NTIA	Observer
Shelli-Rose Haskins	NTIA	Observer
Jeff Baenke	USCellular	Member
Alejandro Plate	Verizon	Observer