

MINUTES

Minutes of the Second Meeting of the FCC World Radiocommunication Conference Advisory Committee 2027 (WAC-27)

Date/Time: August 5, 2024, at 9:30 a.m. ET

Location: 45 L St NE, Washington DC

Documents Distributed: See Appendix 1

Committee Members Attending: See Appendix 2

Other Persons Attending: See Appendix 3

Meeting Summary:

1. Opening Remarks

Ms. Baum, the WAC Vice-chair, opened the meeting at 9:45 a.m. ET and welcomed everyone to the second meeting of the Committee.

2. Approval of the Agenda

Ms. Baum sought approval of the meeting agenda, document **WAC27/007**. The agenda was approved with minor editorial corrections.

3. Approval of Minutes of the First Meeting

Ms. Baum presented the Minutes of the First Meeting, document **WAC27/006**. Seeing no concerns, the minutes were approved without comment.

4. Update by NTIA on the RCS

Ms. Baum introduced Mr. Glass, the National Telecommunications and Information Administration (NTIA) WRC Coordinator and requested the introduction of RCS preliminary views found in two letters in documents WAC-27/008 and WAC-27/009. Mr. Glass explained that NTIA's eight preliminary views are fewer than those presented here at the WAC, but nonetheless will supply those to federal agencies hoping to make the maximum possible number of views available to the upcoming CITELE meeting.

Ms. Baum thanked Mr. Glass for his comments.

5. IWG Status Reports and Consideration of Preliminary Views

IWG-1: Maritime, Aeronautical and Radar Services

Ms. Baum invited the IWG-1 Chair, Mr. K. Kolb, to present a status report. Mr. Kolb stated that IWG-1 met four times and produced the following preliminary view for WAC consideration.

- Draft Preliminary View on agenda item 1.9; **WAC-27/010**.

Ms Baum sought comments. Seeing none, the WAC approved the preliminary view.

IWG-2: Mobile and Fixed Services

Ms. Baum invited the IWG-2 Chair, Ms. D. Meme, to present a status report. Ms. Meme stated that IWG-2 met 4 times and produced the following preliminary views for WAC consideration. Ms. Meme noted that the preliminary view for agenda item 1.7 contains two alternatives.

- Draft Preliminary View on agenda item 1.7; **WAC-27/011**

Ms. Baum sought comments.

Mr. Scott Kotler, from Lockheed Martin and a WAC member, presented the following comments:

“ Consensus could not be achieved during IWG-2 and as a result two alternatives. Agenda Item 1.7 is critical to the US aerospace and defense industry to innovate to meet the needs and demands of existing services, while also exploring innovative opportunities for new wireless services. U.S. leadership on this is appropriate and needed, including collaboration with U.S. allied incumbents. Alternative 1 plainly indicates support for ITU studies and appropriate WRC-27 action U.S. has already begun contributing to these studies. Further, the phrase “appropriate action” by itself lacks any clarity to the U.S. objectives. No need to send a PV to CITELE that does not provide greater clarity. Alternative 2, on the other hand, is based on the National Spectrum Strategy and the White House 6G Principles for its guiding policy on what the U.S. would not support at WRC-27 for IMT. Those bands for which studies cannot demonstrate coexistence with Incumbent operations should be excluded. During IWG-2, the wireless industry opposed reliance on the NSS and the 6G principles interpreting the coexistence language in Alternative 2 as needing to implement domestic regulatory provisions in other countries in the Radio Regulations and on their deployments. To the contrary, Alternative 2 is not about regulating deployments in other countries and instead proposes that the U.S. would decide which bands it supports based on its own domestic studies/objectives and policies. Other countries can choose to align with the U.S. or not at the ITU.”

Mr. Andy Roy, ASRI, supported Lockheed Martin and alternative 2.

Mr. Kim Kolb, Boeing, also supported Lockheed Martin and alternative 2.

Ms. Baum sought further comments. Seeing none, the WAC approved this preliminary view with two alternatives.

- Draft Preliminary View on agenda item 1.10; **WAC-27/012**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

IWG-3: Fixed-Satellite Service and Regulatory Matters

Ms. Baum invited the IWG-3 Chair, Mr. A. Epshteyn, to present a status report. Mr. Epshteyn stated that IWG-3 met 4 times and produced the following preliminary view for WAC consideration.

- Draft Preliminary View on agenda item 1.1; **WAC-27/013**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.2; **WAC-27/014**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.3; **WAC-27/015**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.4; **WAC-27/016**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.5; **WAC-27/017**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

IWG-4: Mobile-Satellite and Space Science Services

Ms. Baum invited the IWG-4 Chair, Mr. D. Ladson, to present a status report. Mr. Ladson stated that IWG-1 met 4 times and produced the following preliminary view for WAC consideration.

- Draft Preliminary View on agenda item 1.11; **WAC-27/018**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.13; **WAC-27/019**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.14; **WAC-27/020**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.15; **WAC-27/021**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.16; **WAC-27/022**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.17; **WAC-27/023**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.18; **WAC-27/024**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

- Draft Preliminary View on agenda item 1.19; **WAC-27/025**

Ms. Baum sought comments. Seeing none, the WAC approved the preliminary view.

6. Future Meetings

Ms. Baum noted the next WAC meeting and has not yet been determined. When a date becomes known, it will be published in the Federal Register.

7. Other Business

Ms. Baum asked for any other business from the floor. ASRI member, Andy Roy provided an ethics disclosure that he also chairs the ICAO spectrum panel.

Statement of Andrew Roy

“Andrew Roy from Aviation Spectrum Resources. In discussions with the FCC General Counsel on conflict of interests they have asked me to declare that I only represent the views of Aviation spectrum resources in the committee I do chair the ICAO, International Civil Aviation Organization’s spectrum panel and therefore it needs to be declared to the committee and also minuted as well. I was unable to attend the first WAC so this is the first opportunity I’ve had to declare it. Thank you.”

Ms. Baum confirmed that ethics disclosures are needed only once.

Ms. Baum adjourned the meeting at 10:20 a.m.

Signature

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

Kimberly M. Baum
Vice-Chair, WAC-27 Advisory Committee
Eutelsat Group

These minutes will be formally considered by the WRC-27 Advisory Committee at its next meeting,
and any corrections or notations will be incorporated in the minutes of that meeting.

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Appendix 1
World Radiocommunication Conference Advisory Committee
Documents Distributed
Second Meeting – August 5, 2024

WAC-27_006	WRC-27 1st Meeting Minutes
WAC-27_007	WRC-27 2nd Meeting Agenda
WAC-27_008	NTIA Letter to FCC on RCS Preliminary Views for Agenda Item 1.2, 1.9, 1.13, 1.15, and 1.16
WAC-27_009	NTIA Letter to FCC on RCS Preliminary Views for Agenda Item 1.17, 1.18, and 1.19
WAC-27_010	1.9 – Appendix 26
WAC-27_011	1.7 – IMT (4400 – 4800 MHz, 7 125-8 400 MHz, 14.8-15.35 GHz)
WAC-27_012	1.10 – PFD and EIRP limits 71-76 GHz and 81-86 GHz
WAC-27_013	1.1 – ESIMs (47.2-50.2 GHz and 50.4-51.4 GHz)
WAC-27_014	1.2 – Small Antennas (13.75 – 14 GHz)
WAC-27_015	1.3 – Feeder links (51.4-52.4 GHz)
WAC-27_016	1.4 – Region 3 FSS (17.3 – 17.7 GHz)
WAC-27_017	1.5 – Regulatory Measures NGSO
WAC-27_018	1.11 – ISL
WAC-27_019	1.13 – Direct to device (SCFS)
WAC-27_020	1.14 – MSS 2 GHz
WAC-27_021	1.15 – Lunar
WAC-27_022	1.16 – Radio Quiet Zones
WAC-27_023	1.17 – Space Weather

WAC-27 024	1.18 - Unwanted above 76 GHZ
WAC-27 025	1.19 – Sea Surface Temperature

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Appendix 2
World Radiocommunication Conference Advisory Committee
Member Attendance
Second Meeting – August 5, 2024

Organization	Name	Member
Amazon Project Kuiper	Alex Epshteyn	Primary
ARRL	Jon Siverling	Primary
ASRI	Andy Roy	Primary
ASRI	Nic Shrout	Alternate
AT&T	Amy Alvarez	Primary
Boeing	Kim Kolb	Alternate
CTIA	Michael Mullinix	Primary
Eutelsat	Kimberly Baum	Primary
Fleet Space	George John	Primary
GSMA	Veena Rawat	Primary
Iridium	Damon Ladson	Alternate
Lockheed Martin	Scott Kotler	Primary
NAB	Robert Weller	Primary
Planet	David Nemeth	Primary
T-mobile	Pascale Dumit	Primary
Verizon	Daudeline Meme	Primary
Viasat	Brennan Price	Primary

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Appendix 3
World Radiocommunication Conference Advisory Committee
FCC and Observers Attendance
Second Meeting – August 5, 2024

FCC Representatives:

Dante	Ibarra	Alternate DFO
Louis	Bell	OIA
Donna	Wang	OIA
Gregory	Baker	Designated Federal Official
Eric	Grodsky	OIA
Allen	Yang	OIA

Observers:

Amy	Sanders	NTIA
Charles	Glass	NTIA