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St Denis & Washington, May 12, 2021

**Minutes of EUROCAE WG-82 (Meeting #48) / RTCA Special Committee SC-223
 (Plenary #43) Joint Meeting
 “AeroMACS Standards”**

Date	May 11, 2021
Time	9am – Noon EDT, 3pm – 6pm CET
Hosted by	Virtual Meeting
Venue	For Webex, Contact Rebecca or Anna Guegan
Contact	<p>Rebecca Morrison, Program Director, RTCA (202) 330-0654 or rmorrison@rtca.org</p> <p>Anna Guegan, Technical Programme Manager, EUROCAE anna.guegan@eurocae.net</p>

Attendees:

Name	Role	Affiliation
Guegan, Anna	Technical Programme Manager	EUROCAE
Jain, Ravi	Member	FEDERAL AVIATION ADMINISTRATION (FAA)
Malaga, Alfonso	Member	ACES, INC.
Morrison, Rebecca	Manager	RTCA, INC.
Phillips, Brent	Government Authorized Representative	FEDERAL AVIATION ADMINISTRATION (FAA)
Randahl, Anders	Guest	SIEMENS
Roy, Alope	SC-223 Chair	HONEYWELL INTERNATIONAL, INC.
Scheffler, Craig	Member	WISK
Schlereth, Armin	WG-82 Chair	DFS DEUTSCHE FLUGSICHERUNG GMBH
Segers, Robert	Member	FEDERAL AVIATION ADMINISTRATION (FAA)
Shimonovuch, Lior	Guest	SIEMENS
Trautenberg, Hans	Member	EUROPEAN UNION AVIATION SAFETY AGENCY (EASA)
Vivaldi, Giulio	Member	LEONARDO-FINMECCANICA
Zeng, Dongsong	SC-223 Secretary	THE MITRE CORPORATION

Agenda Items 1. Welcome address. Meeting Organizational Issues

Aloke Roy, SC-223 Chair, and Armin Schlereth, WG-82 Chair, welcomed the participants. Rebecca Morrison, Program Director, RTCA, and Anna Guegan, Technical Programme Manager, EUROCAE, presented the RTCA/EUROCAE antitrust, proprietary and membership policy statements. All participants agreed on the statements and no issue were raised.

Agenda Item 2. Approval of the Agenda

The group reviewed and approved the meeting agenda.

Agenda Item 3. Review Minutes and Action Items from December 2020 Joint Plenary of SC-223/WG-82

Dongsong Zeng, SC-223 Secretary, went through the previous meeting minutes and updated the status of action items. The group reviewed and approved the previous meeting notes.

Agenda Item 4. Discussion of AeroMACS MOPS Changes

The group discussed the three candidate AeroMACS emission change options as shown in Figure 1, made one decision, and assigned two action items.

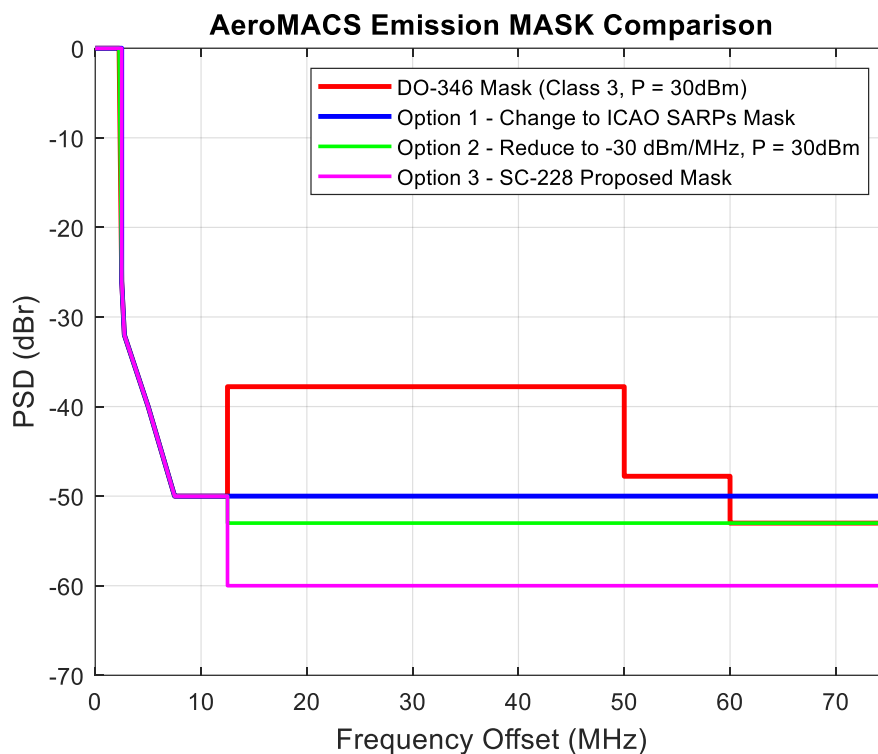


Figure 1. Comparison of AeroMACS Emission Mask Change Options

Decision 1. For AeroMACS Base Stations, Option 1 emission should be used. For Subscriber Stations (aka, mobile stations), the transmission power is fixed to minimum power of 20 dBm, and the maximum emission level should meet the Option 3 emission.

Action 1. Siemens and Leonardo will validate the above Decision 1.

Action 2. Alfonso Malaga, ACES, INC., will write a problem statement of DL/UL ratio and distribute to the group; and Lior Shimonovuch, Siemens, will investigate into different UL/DL ratios.

Agenda Item 5. Future Meetings

Next joint SC-223/WG-82 meeting is scheduled for 9:00 AM-12:00 PM EDT, July 20, 2021

Agenda Item 6. Any Other Business of Interest

No other business topics were brought up during the meeting.

Agenda Item 7. Adjourn

The meeting was adjourned around 12:00 pm EST, May 11, 2021.

List of Action Items

Action Item #	Action Content	Responsible	Due Date	Status
P39-1	Reach out to AeroMACS manufacturers for their real product emission data	Simona Pierattelli, Giulio Vivaldi, and Ishii Hideyuki	Nov. 25, 2020	2020-12-02: Closed. Richard Hawkins will reach out to WiMAX and AeroMACS manufacturers for measurement data.
P39-2	Recalculate and verify the unit conversion of various emission masks.	Dongsong Zeng and Alfonso Malaga	Nov. 25, 2020	2020-12-02: Closed.
P39-3	Draft SC-223/WG-82 TOR revision proposal	Aloke Roy and Armin Schlereth	Dec. 2, 2020	2021-2-10: Closed.
P40-1	Provide absolute AeroMACS spurious emission levels required by SC-228	Alfonso Malaga	Feb. 3, 2021	2021-2-10: Closed.
P40-2	Flesh out Decision 1 in the draft SC-223 TOR revision proposal and share it with Armin for WG-82 TOR update	Aloke Roy	Feb. 3, 2021	2021-2-10: Closed.
SG-1	Continue coordination with WiMAX forum to receive technical inputs from AeroMACS manufacturers as well as their stances on the emission mask change	Richard Hawkins	May 4, 2021	2021-5-11: Closed. The inputs from WiMAX are available in the plenary meeting.
SG-2	Coordinate with FAA spectrum and certification offices on their AeroMACS TSO activities to understand (1) whether they still need MOPS revision for the TSO update; and (2) whether they have issues with the current SC-223/WG-82 schedule	Brent Phillips and Ravi Jain	May 4, 2021	2021-5-11: Closed. Ravi - FAA still needs MOPS revision. TSO will be revised. Cancelling the current AeroMACS TSO might help and wait for revision later. Schedule wise, the sooner the better.
P43-1	Siemens and Leonardo will validate Decision 1.	Anders Randahl, Lior Shimonovuch, and Giulio Vivaldi	July 13, 2021	
P43-2	Alfonso Malaga will write a problem statement of UL/DL ratio and distribute to the group; and Lior Shimonovuch will investigate into different UL/DL ratios.	Alfonso Malaga and Lior Shimonovuch	July 13, 2021	

-S-
Dongsong Zeng
Secretary

CERTIFIED as a true and accurate summary of the meeting.

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Aloke Roy
SC-223 Chairman

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Armin Schlereth
WG-82 Chairman