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EUR 79-19/WG108-16

Washington D.C. & Saint Denis, 1 April 2019

**MINUTES OF THE THIRTY-SECOND SC-223 PLENARY
JOINT WITH THE NINETH EUROCAE WG-108 MEETING**
“Internet Protocol Suite (IPS) and AeroMACS”

DATE: March 25-29, 2019

TIME: 9:00 a.m. – 5:00 p.m. EDT

PLACE: RTCA
1150 18th St NW, Suite 910
Washington, DC 20036

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Attendees:

| Name | Role | Affiliation | Note |
|----------------------|---------|---|-------|
| Cioranu, Adrian | Member | EUROCAE | WebEx |
| Correas, Antonio | Member | Skymantics | |
| d'Humières, François | Member | FREQUENTIS A.G. | |
| Dlouhy, Ron | Member | Collins Aerospace | |
| Drásil, Pavel | Member | Honeywell International, Inc. | |
| Gandolfi, Catherine | Member | European Aviation Safety Agency (EASA) | WebEx |
| Graefe, Jonathan | Member | Collins Aerospace | |
| Maiolla, Vaughn | Member | International Civil Aviation Organization | |
| Mineck, Kristen | Member | INMARSAT | |
| Morrison, Rebecca | Manager | RTCA, Inc. | |
| Nguyen, Lee | Member | Federal Aviation Administration (FAA) | WebEx |

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|---------------------|--------------------------------------|---------------------------------------|-------|
| Niraula, Madhu | Member | Collins Aerospace | |
| Nisbet, David | Member | Thales Group | |
| Pelleschi, Stéphane | WG-108 Chair | Collins Aerospace | |
| Phillips, Brent | Government Authorized Representative | Federal Aviation Administration (FAA) | |
| Popescu, Liviu | Member | EUROCONTROL | |
| Robinson, David | Member | Iridium | WebEx |
| Roy, Alope | SC-223 Chair | Honeywell International, Inc. | |
| Segers, Robert | Member | Federal Aviation Administration (FAA) | |
| Tamalet, Stéphane | Member | Airbus | |
| Van Trees, Stephen | Member | Federal Aviation Administration (FAA) | WebEx |
| Vanguardia, Michael | Member | The Boeing Company | |
| XU, Xiangyu | Member | Thales Group | |
| Zeng, Dongsong | SC-223 Secretary | The MITRE Corporation | |

AGENDA

1. Welcome, Introductions, EUROCAE and RTCA Policy Statements, Administrative Remarks
2. Review and approve the Agenda
3. Review of previous meeting notes and action items
4. Review IPS Profile FRAC/OC comments and proposed resolutions
5. Consider a motion to approve the resolutions of IPS Profile review comments received during the OC/FRAC period and submit to the RTCA PMC and EUROCAE Council for publication
6. IPS MASPS Development
7. Any Other Topics of Interest
 - a. Future coordination between SC-223 and SC-228
 - b. Regulatory involvement, especially in safety assessment and certification process
8. Plans for Next Meetings
9. Review of Action Items and Meeting Summary
10. Adjourn when plenary business is complete

Agenda Items 1. Welcome, Introductions, EUROCAE and RTCA Policy Statements, Administrative Remarks

Alope Roy, Chair of SC-223, Honeywell, and Stéphane Pelleschi, Chair of WG-108, Collins, welcomed the participants.

Rebecca Morrison, Program Director, RTCA, and Adrian Cioranu, Technical Program Manager, EUROCAE, presented the RTCA/EUROCAE policy statements.

Agenda Item 2. Review and approve the Agenda

The group reviewed and approved the meeting agenda.

Agenda Item 3. Review of previous meeting notes and action items

The group approved the SC-223 P31 meeting minutes and updated the status of action items.

Agenda Item 4. Review IPS Profile FRAC/OC comments and proposed resolutions

The group reviewed all high, medium and low FRAC/OC comments and the corresponding resolutions during the meeting and left the editorial comments to the disposition of the secretary and subsequent group review.

Agenda Item 5. Consider a motion to approve the resolutions of IPS Profile review comments received during the OC/FRAC period and submit to the RTCA PMC and EUROCAE Council for publication

Decision 1: The group approved the resolutions of IPS Profile review comments received during the OC/FRAC period and will submit to the RTCA PMC and EUROCAE Council for publication.

Decision 2: A telecon was scheduled on April 24 (10:00 AM EST), 2019, to make sure all FRAC resolutions are correctly executed in the updated Profile.

Action Item P32-1: Dongsong Zeng to update the Profile to include all FRAC/OC resolutions and Rebecca to distribute the file to the group by April 8.

Action Item P32-2: Alope Roy and Stephane Tamalet to work out a consented resolution on row reduction in Appendix B-6 RFC 2597 detailed profile before April 1.

Action Item P32-3: Group to review the updated Profile to make sure all FRAC/OC resolutions are correctly executed by April 15.

Action Item P32-6: Alope to resolve Alistair's comment by April 1.

Agenda Item 6. IPS MASPS Development

The group discussed and tentatively agreed on the updated IPS MASPS development schedule in Figure 1.

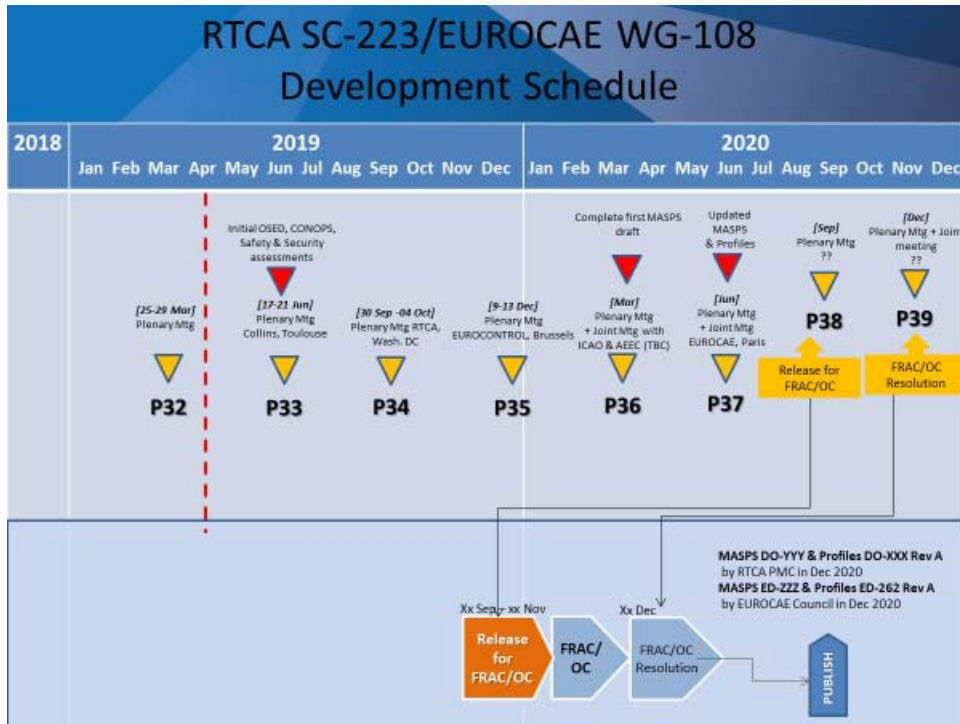


Figure 1. Draft SC-223/WG-108 Development Schedule

Decision 3: Joint ICAO, AEEC, RTCA, and EUROCAE meeting is proposed for late 2019 or early 2020.

Action Item P32-4: Alope Roy and Stephane Pelleschi to update the MASPS schedule and draft corresponding TOR revision.

Action Item P32-5: Dongsong to put SC-223/WG-108 TOR approval on the agenda of next meeting.

Action Item P32-7: Members who were assigned to work on specific MASPS sessions will start to develop the corresponding MASPS annexes.

Agenda Item 7. Any Other Topics of Interest

- a. Future coordination between SC-223 and SC-228
The group plans to continue collaborating with SC-228 in IPS MASPS development.
- b. Regulatory involvement, especially in safety assessment and certification process
The group believes that regulatory involvement (e.g., FAA and EASA), especially in safety assessment and certification process is important to the IPS MASPS development.

Agenda Item 8. Plans for Next Meetings

- o Monthly telecon on the 4th Wednesday 10 AM EST
- o Joint SC-223 P33 / WG-108 meeting, June 17 - 21, 2019, hosted by Collins Aerospace, Toulouse, France (POC: Stephane Pelleschi, please email your passport electronic copy to Stephane three weeks in advance if you plan to attend)

- Joint SC-223 P34 / WG-108 meeting, September 30 - October 4, 2019, RTCA (Room confirmed on the 4th floor)
- Joint SC-223 P35 / WG-108 / AEEC meeting, December 9 - 13, 2019, EUROCONTROL, Brussels (Inform Liviu before December 1 if you plan to attend).

Agenda Item 9. Review of Action Items and Meeting Summary

Dongsong Zeng, MITRE, presented the out-briefing (SC-223 P32_WG-108 Meeting OutBriefing_Mar_2019.pptx) which summarizes all the decisions and action items that were made during this meeting. The work group reviewed and agreed on the out-briefing.

Agenda Item 10. Adjourn when plenary business is complete

The meeting adjourned around 1:00 PM, March 29, 2019.

List of Action Items

| Action Item # | Action Content | Responsible | Due Date | Status |
|---------------|--|----------------------------------|------------------|--|
| P23-7 | Investigate the CRCs of ROHC at system level. | Aloke Roy | October 23, 2017 | 10/23/2017 – In progress 12/4/17 – Keep open 3/5/18 – keep open 6/4/18 – keep open 8/13/18 – keep open. 9/24/18 – keep open. 12/10/2018 – postponed to MASP discussion 3/25/2019 – keep it open |
| P29-2 | Reach out to SC-228 to verify whether IPS will be used by C2 link | Aloke Roy | Dec. 3, 2018 | 12/10/2018 – done. The dependency is still to be defined. 3/25/2019 – keep it open. |
| P32-1 | Update the Profile to include all FRAC/OC resolutions and Rebecca to distribute the file to the group | Dongsong Zeng | April 8, 2019 | 4/24/2019 – Done and closed |
| P32-2 | Work out a consented resolution on row reduction in Appendix B-6 RFC 2597 detailed profile | Aloke Roy and Stephane Tamalet | April 1, 2019 | 4/24/2019 – Done and closed |
| P32-3 | Review the updated Profile to make sure all FRAC/OC resolutions are correctly executed | All members | April 1, 2019 | 4/24/2019 – Done and closed |
| P32-4 | Update the MASPS schedule and draft corresponding TOR revision | Stephane Pelleschi and Aloke Roy | June 17, 2019 | |
| P32-5 | Put SC-223/WG-108 TOR approval on the agenda of next meeting | Dongsong Zeng | June 17, 2019 | |
| P32-6 | Resolve Alistair's comment | Aloke Roy | April 1, 2019 | 4/24/2019 – Done and closed |
| P32-7 | Members who were assigned to work on specific MASPS sessions will start to develop the corresponding MASPS annexes | Assigned Members | June 17, 2019 | |

-S-
Dongsong Zeng
Secretary

CERTIFIED as a true and accurate summary of the meeting.

- S-
Aloke Roy
SC-223 Chairman

- S-
Stephane Pelleschi
WG-108 Chairman