



RTCA Paper No. 098-22/SC206-189  
EUROCAE Paper No. 101-22/WG76-78

April 1, 2022

**Summary of the 67<sup>th</sup> Meeting**                                      **RTCA Special Committee 206 (SC-206)**  
**Summary of the 63<sup>rd</sup> Meeting**                                      **EUROCAE WG-76**  
**Aeronautical Information Services (AIS) and Meteorological (MET) Data Link Services**

**Executive Summary**

The joint RTCA SC-206 / EUROCAE WG-76 Plenary meeting was held on Friday, March 11, 2022.

- **SG-1: ADS-B Weather Standards Development Activities**
  - The Final Review and Comment (FRAC) period for the UAT MOPS closed and comments related to ADS-B Wx were received. All comments are being adjudicated. The intent is to submit the final document to SC-186 at a March Plenary for approval and then to the RTCA Program Management Committee (PMC) in June of 2022.
  - The U.S. representative continues to coordinate within the other international and domestic groups. He is coordinating with the SAE, the EUROCONTROL/EUROCAE ASTERIX Maintenance Group, and the ICAO Surveillance Panel to support the Version 3 1090 ADS-B MOPS in ARINC and ASTERIX standards as well as ICAO Standards and Recommended Practices (SARPS).
  
- **SG-4: Turbulence White Paper**
  - The Kickoff meeting of SG-4 was held in the afternoon of Tuesday, March 8<sup>th</sup>. SG-4 is awaiting EUROCAE approval for a joint activity; which should be coming within the next 2 months.
  - The SC-206 Terms of Reference (TOR) has been revised to address the joint SG-4 activity and these changes will be presented to the RTCA PMC on Thursday, March 17<sup>th</sup>.
  - The initial scope of work of SG-4 will be to review DO-370 (Guidelines for In Situ Eddy Dissipation Rate (EDR) Algorithm Performance) and define / refine the scope of the SG-4 effort as necessary. The initial deliverable will be a White Paper to the PMC addressing several issues and questions.
  - SG-4 intends on convening weekly telecons on Thursdays from 1000-1100 Eastern, starting on March 24, 2022.
  - SG-4 is asking that anyone wishing to participate in the SG-4 activity to either contact the SG-4 leadership or select “Join Group” on the RTCA SC-206 SG-4 AerOpus page.
  
- **WG-76 and SG-6: MASPS (DO-364A/ED-XXX)**
  - SG-6 had a productive week and reviewed their open action items. There are currently ~65 open action items to be addressed.
  - SG-6 received a briefing on the Airborne Reroute Information (ARI) Service Description (SD). The ARI SD is complete and will be socialized with the stakeholders over the summer. There may be additional text needed as they ensure the development of a good and comprehensive SD. SC-206 leadership is optimistic of the document.
  - SG-6 completed the Operational Safety Assessment (OSA) and the Operational Performance Assessment (OPA) for the Aerodrome and Landing Area Weather (ALAW) SD. The MITRE

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representatives conducted the OSA and OPA activities. In addition, all SG-6 members were thanked for their participation.

- SG-6 has planned working meetings between the various plenary meetings to address Runway Visual Range (RVR). There are currently two 2-day meetings scheduled to work the RVR OSA and OPA (March 30/31, and May 10/11).
- There are four remaining SD activities. These activities are the OSA and OPA efforts related to the RVR and ARI SDs.
- The current work plan to completion of the DO-364A/ED-XXX (Minimum Aviation System Performance Standards (MASPS) for Aeronautical Information / Meteorological Data Link Services) document includes SG-6 working sessions during the remaining 2022 SC-206 Plenary weeks (June, September, and December) and a separate October 2022 meeting.
- WG-76 SG-1 / SC-206 SG-8 (SG-1/SG-8): DO-XXX/ED-89B
  - SG-1/SG-8 held their Kickoff meeting on Wednesday, March 9<sup>th</sup>. Work conducted by EUROCAE on this topic over the past month was discussed. SG-8's first decision was to launch a joint call for participation.
  - SG-1/SG-8 leadership stressed the need for more expertise from stakeholders, providers, and industry. SG-1/SG-8 is asking that anyone wishing to participate in their activity to either contact the SG-1/SG-8 leadership or select "Join Group" on the RTCA SC-206 SG-8 AerOpus page.
  - SG-1/SG-8's second decision was to develop a folder structure within the RTCA AerOpus construct to house their supporting documentation.
  - The SG-8 deliverable will be a standards document with similar structure as the SG-6 SD, OSA, and OPA documents using the same terminology for ease of merger of the documents in the future.
  - The SG-1/SG-8 leadership has been asked to have their document ready for comment by March 2023 and believes they can produce a document by sometime next year. However, as the effort progresses, the subgroup may have to adjust the schedule as necessary.
  - SG-1/SG-8 is initially planning two drafting sessions; separate from the SC-206 Plenary meetings. The first is planned for May 2-3, 2022, at EUROCONTROL in Brussels (hybrid mode). The second will be in the October/November 2022 timeframe at a location to be determined.
- Industry briefings were presented on the following topics:
  - EUROCAE ED-89A Change 1 Progress Report
  - ADS-B Weather Implementation
  - Unmanned Aircraft Systems (UAS); Urban Air Mobility (UAM) Update
  - Collaborative Decision Making (CDM) Update
- Next Meeting:
  - June 21-24, 2022 (NAV CANADA - Ottawa)
    - Joint RTCA SC-206 (Meeting 68) / EUROCAE WG-76 (Meeting 64) Plenary

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## Joint Plenary Meeting Summary

The joint RTCA SC-206 / EUROCAE WG-76 Plenary meeting was held on Friday, March 11, 2022.

Presentations are posted at:

<https://aeropus.i3cloudservices.com/Group/GroupLanding/99?tab=Documents&folder=2022+Meetings%2F1-March+7-11%2C+2022+-+67th+Meeting>

### Friday, March 11<sup>th</sup> Plenary

The Plenary convened at approximately 0900 EST

#### 1. Welcome and Opening Remarks

- Reference the 2022 MarchSC-206 WG-76 Plenary Leadership Slides final.pptx slides
- Rocky Stone opened the meeting at approximately 0905 EST
- Karan Hofmann and Alex Engel briefed their respective RTCA and EUROCAE slides

#### 2. Introduction of Attendees (\* denotes remote participation)

- Rocky Stone, Co-chair\* United Airlines
- Mark Libant, Co-chair\* NAV Canada
- Joe Bracken, Secretary AvMet Applications, Inc.
- Eldridge Frazier\* FAA, Government Authorized Representative
- Jeffry Aenmey\* European Cockpit Association
- Bill Carson The MITRE Corporation
- Cole Crawford\* ForeFlight LLC
- Lauren Donohue\* EUMETNET
- Mark Eden\* Air Line Pilots Association, Int'l
- Alexander Engel EUROCAE (WG-76 Technical Programme Manager)
- Tammy Flowe\* FAA
- Karan Hofmann RTCA, Inc. (SC-206 Program Director)
- Amanda Hoprich\* AvMet Applications, Inc.
- Ed Johnson\* FAA
- Nazih Khaouly\* FAA
- Deborah Kowalewski\* Airline Dispatchers Federation
- Macarena Martin-Viton\* Airbus (WG-76 Secretary)
- Jim Mills\* HQ USAF/DoD
- Madhu Niraula\* Collins Aerospace
- Mark Phaneuf Air Line Pilots Association, Int'l
- Tim Rahmes\* The Boeing Company
- Kurt Stiefel\* FAA Flight Standards
- Jean-Luc Thirion\* DSN
- Willie Truong\* Honeywell

#### 3. Review and Approval of Meeting Agenda

- No new agenda items were added
- The meeting agenda was approved

#### 4. Review and Acceptance of Minutes of WG-76 Meeting 62 / SC-206 Meeting 66 (September – Virtual)

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- Joe Bracken reported that the December Plenary Meeting Summary was posted to the AerOpus site on January 27<sup>th</sup> after all comments by leadership and presenters were received and dispositioned
- Rocky made a motion to accept the December Plenary Meeting Summary
  - Macarena Martin-Viton seconded the motion
- The December Plenary Meeting Summary was approved

5. Report of Sub-Groups:

- SG-1: ADS-B Weather Standards Development Activities
  - Ed Johnson provided the SG-1 status briefing
  - There were no slides associated with this update
  - Ed noted that Steve Darr was unavailable this week, but was able to participate in the SG-4 Kickoff meeting
  - Final Review and Comment (FRAC) for the UAT MOPS is closed and comments related to ADS-B Wx were received
    - All comments are being adjudicated
    - The intent is to submit the final document to the PMC in June 2022 after approval by SC-186 at a March Plenary meeting
  - Ed noted that Steve continues to coordinate within the other international and domestic groups
    - Steve is coordinating with Alex Engel and EUROCONTROL/EUROCAE on the ASTERIX Maintenance Group
    - Steve is also working with SAE and the Surveillance Panel to support the Version 3 1090 ADS-B MOPS in ARINC standards as well as ICAO Standards and Recommended Practices (SARPS)
  - Ed noted that due to budgetary reasons he is having difficulty in paying for Steve's participation in these activities
  
- SG-4: Turbulence White Paper
  - Tammy Flowe provided the update
  - Reference the SC206\_SG4\_ClosingPlenarySlides\_20220311.pptx slides
    - Tammy noted that the Kickoff meeting was held on Tuesday afternoon (March 8)
    - SG-4 is awaiting EUROCAE approval of a joint activity
      - Tammy is expecting a decision within a month or two
    - Reference Slide 3
      - Tammy briefed the participants on the SC-206 TOR revision addressing the joint SG-4 effort
    - Reference Slide 4
      - Tammy briefed the participants on the scope of the initial effort
        - The initial work will be to review DO-370 and define / refine the scope of the task
        - The initial deliverable will be a White Paper addressing several issues and questions
    - Reference Slide 5
      - Tammy then closed by going over the SG-4 work plan, noting potential SG-4 members, and stating how RTCA members can become members of SG-4 and participate
        - SG-4 is planning to hold weekly telecons (Thursdays 1000-1100 Eastern) beginning on March 24, 2022

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- Karan added that becoming a member of SG-4 for RTCA members is quite easy
  - Simply go to the SG-4 AerOpus page under SC-206 and select the “Join Group” button under Group Info
- SG-6/WG-76: MASPS (DO-364A/ED-XXX)
  - Reference the [Sg6\\_WG76\\_March\\_SG\\_6\\_closing.pptx](#) slides
  - Eldridge Frazier provided the briefing
  - Eldridge noted that SG-6 had a productive week considering it was a shorter work week than planned
  - SG-6 reviewed their open action items but did not go into much depth addressing them this week
  - During the week, Steve Abelman provided a review of the Airborne Reroute Information (ARI) Service Description (SD)
    - Steve presented the MIT/LL recommendations and a system diagram
    - The ARI SD is complete and will be socialized with the stakeholders over the summer
    - There may be additional text added as needed as they need to ensure that they develop a good SD
    - Rocky stated that he is very optimistic of the document
  - SG-6 completed the Operational Safety Assessment (OSA) and Operational Performance Assessment (OPA) for the Aerodrome and Landing Area Weather (ALAW) SD
    - Eldridge commended Bill Carson and Izabela Gheorghisor on their good efforts, and noted to the SG-6 representatives that he appreciates all their participation
  - SG-6 needs to work through their ~65 action items, mostly related to OSAs and OPAs
  - SG-6 has planned working meetings between the various plenary meetings to address Runway Visual Range (RVR)
    - There are currently two 2-day meetings scheduled to work the RVR OSA
      - March 30/31 (0900 to 1200 EDT / 1500 to 1800 CEST)
      - May 10/11 (0900 to 1200 EDT / 1500 to 1800 CEST)
  - Reference Slide 3 (SG-6 “Burn-Down”)
    - There are four remaining tasks on the SD Burn-Down chart
      - RVR OPA and OSA
      - ARI OPA and OSA
        - Both are still in the “needs input” category
  - Reference Slide 4 (Work Plan)

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March Plenary 2022	June Plenary 2022	September Plenary 2022	October 2022 Meeting	December Plenary 2022	March Plenary 2023
Aerodrome and Landing Area Weather OSA and OPA	Runway Visual Range OPA Action Item resolution Continue Review of DO-364 Section 2 and Review Section 3	Airborne Rerouting Information OSA and OPA Review DO-364 Sections 4 and 5 Deep Dive in DO-364 SD Appendix A	Review DO-364 Sections 4 and 5 Deep Dive in DO-364 Service Descriptions Appendix A	Review DO-364A Appendix B and C Review DO-364A for FRAC Release Approval	Approve DO-364A / ED-XX for RTCA PMC and EUROCAE TAC Approval

March Plenary 2022	June Plenary 2022	September Plenary 2022	December Plenary 2022	March Plenary 2023
Aerodrome and Landing Area Weather OSA and OPA <span style="color: red;">Continue Review of Section 2 and Review Section 3 DO-364A</span>	Runway Visual Range OSA and OPA Review Sections 4 and 5 DO-364A	Airborne Rerouting Information OPA and OSA Deep Dive in OPA and OSA Appendix A DO-364	Review DO-364A for FRAC Release Approval	Approve DO-364A / ED-XX for RTCA PMC and EUROCAE TAC Approval
October or November 2022 Week Working Session Review Appendix B and C DO-364A				

- Eldridge noted that action items will be worked during the June Plenary
  - This may take one to one and a half days
- Eldridge anticipates a 3-month slip, which will not require a change to the TOR or PMC approval
- Eldridge commented that he is pleased with their progress, but there is still a lot of work to complete
  - The additional meeting in October 2022 will address some of the open items
- WG-76 SG-1/SC-206 SG-8 (SG-1/SG-8): DO-XXX/ED-89B
  - Jean-Luc Thirion provided the briefing
  - There were no slides associated with this update
  - Jean-Luc noted that they held their Kickoff meeting on Wednesday afternoon, March 9<sup>th</sup>
    - They discussed the work done by EUROCAE in the last month
    - Their first decision was to launch a joint call for participation
      - Jean-Luc stressed the need for more expertise from stakeholders, providers, and industry
    - Their second decision was to use a folder structure within AerOpus to house their supporting documentation
      - This way anyone within SC-206 can follow the work of SG-1/SG-8
    - Karan reiterated the ease in becoming a member of SG-8 within AerOpus
      - Simply go to the SG-8 AerOpus page under SC-206 and select the “Join Group” button under Group Info
    - SG-1/SG-8 discussed their deliverable
      - The deliverable will be a standards document with similar structure as the SD, OSA, and OPA documents using the same terminology for ease of the potential merger of the documents in the future
    - SG-1/SG-8 discussed their work plan
      - Jean-Luc noted that they have existing documentation to start with
      - SG-1/SG-8 thinks they can produce a document by sometime next year
        - SG-1/SG-8 has been asked to have the document ready for comment by March 2023, however, they may have to slip to June
          - That decision will be made as the effort progresses

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- Jean-Luc noted that SG-1/SG-8 will hold two drafting sessions, which will be separate from the plenary meetings
  - May 2-3, 2022, at EUROCONTROL in Brussels (hybrid mode)
  - October/November 2022 timeframe at a location to be determined

## 6. Industry Coordination

- EUROCAE ED-89A Change 1 Progress Report
  - Jean-Luc Thirion provided the briefing
  - There were no slides associated with this update
  - Jean-Luc noted that there has been some testing being done by ARINC and Collins
    - After the results of testing have been determined, which is expected sometime in the May / June 2022 timeframe, they will be able to finalize Change 1
    - At that point, there are two options available
      - Increase the message length using current technologies
      - Or they will determine that there is an unacceptable impact on the system, and they will be unable to implement Change 1; which is the expanded message length using existing technologies
  - Rocky noted that, from an operational perspective, making ATIS comments standard across the world would be a positive change
- ADS-B Weather Implementation
  - Ed Johnson noted that an update to this effort was included in the SG-1 update earlier
  - No specific update briefing was provided because Steve Darr had a schedule conflict and was unable to attend this meeting
- Unmanned Aircraft Systems (UAS); Urban Air Mobility (UAM) Update
  - Eldridge Frazier provided the update
  - There were no slides associated with this update
  - Eldridge noted that the UAS/UAM group has not met yet this year
    - There is a meeting scheduled next month and Eldridge will report back at a subsequent Plenary
- Collaborative Decision Making (CDM) Update
  - Rocky Stone provided the update
  - There were no slides associated with this update
  - Rocky noted that there was not much done last year due to COVID with respect to CDM
  - There is a CDM meeting planned for mid-April 2022
    - However, Rocky may not be on the agenda for that meeting
    - Rocky is attempting to talk about CDM at the EFB Users Forum being held in Annapolis, MD in June 2022

## 7. TOR Approval

- There were no dedicated slides for this discussion
- The Plenary participants reviewed the proposed draft TOR changes on screen
- The approved changes will be forwarded to the PMC for review and approval
  - Rocky noted that the PMC must approve the changes and the work that SC-206 does
  - SC-206 does not directly control its own work plan
  - Rocky made a motion to accept the proposed TOR changes and forward the document to the PMC

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- Mark Phaneuf seconded the motion
- The TOR changes will be forwarded to the PMC to discuss during their meeting next week (Thursday, March 17)
- o Karan asked who will present the changes to the PMC
  - **Action: Eldridge Frazier agreed to prepare the slides and present the document to the PMC**
  - **Action: Eldridge agreed to send the draft slides to the SC-206 leadership by COB Monday, March 14 for review**
- o Alex Engel noted that WG-76 needs approval by EUROCAE to include the item in the last row of the WG-76 Work Programme Summary below:

<b>WG-76 Work Programme Summary</b>				
Last update: <span style="background-color: yellow;">dd/mm/yyyy</span> (i.e. date of the latest change approved by TAC)				
DP identifier	ED reference	Draft title	Target date submission to OC	Target date publication
WG-76   DP-001	ED-XXX	Minimum Aviation System Performance Standards (MASPS) for AIS and MET Datalink Services	28/02/2023	30/06/2023
WG-76 SG-1 DP001	ED-89A Ch.1	Modification of D-ATIS message maximum length to support longer messages as required by ICAO GRF	31/01/2022	31/03/2022
WG-76 SG-1 DP002	ED-89B	Data-Link Application System Document (DLASD) for the "ATIS" Data-Link Service	31/12/2022	31/03/2023
WG-76 SG-1 DP001	IR-xxx	Recommendation to PMC/TAC on Additional Turbulence Activities	Q1/2023*	**
* This is the completion date for the Internal Report. The document will not be subjected to Open Consultation.				
** The Internal Report is not planned to be published.				

- This will be presented at the next Technical Advisory Committee (TAC) meeting on March 23/24, 2022
  - After these are approved, then WG-76 can launch a participation campaign and begin scheduling meetings
- Alex asked the WG-76 representatives (at the Plenary) if there is any objection to presenting this to the TAC
  - Tim Rahmes concurred and asked Alex how many individuals he expects to participate
    - Alex responded that he is unsure at this time
  - Alex agreed to present this to the TAC on March 23/24

## 8. Future Meetings, Plans, and Dates

- The following table of future meeting dates / locations was discussed



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Future Meetings		
Meeting Dates	Locations (Hosts)	Notes
June 21-24, 2022	Ottawa (NAV CANADA - Mark)	Joint WG-76/SC-206 Plenary
September 19-23, 2022	Brussels, Belgium (EUROCONTROL - Alex)	Joint WG-76/SC-206 Plenary
December 5-9, 2022	Washington, DC (RTCA - Karan) or Florida (TBD)	Joint WG-76/SC-206 Plenary (DO-364A/ED/XXX FRAC Release)
March X-X, 2023	Toulouse, France (Airbus - Macarena)	Joint WG-76/SC-206 Plenary (DO-364A/ED/XXX FRAC Resolution; DO-XXX/ED-89B FRAC Release; Turb White Paper to PMC)
June X-X, 2023	TBD	Joint WG-76/SC-206 Plenary (DO-364A/ED/XXX to PMC; DO-XXX/ED-89B FRAC Resolution)

- The June meeting is to be held in person at NAV Canada in Ottawa
  - The meeting start date had to be changed to Tuesday, June 21<sup>st</sup> due to Monday being a federal holiday in the U.S.
    - All other alternative dates around that timeframe have other conflicts
  - The meeting will begin mid-day on Tuesday, June 21<sup>st</sup>
  - Mark Libant stressed that attendees must submit a form 24 hours prior to the meeting stating that you have not been exposed to COVID
    - This form must be submitted in time, or the individual will not be permitted to enter the facility
  - **Action: Mark Libant agreed to provide list of Ottawa hotels to the SC-206/WG-76 members**
  - Alex also noted that there is an “Electronic Travel Authorization (eTA)” that needs to be completed and an entry fee that must be paid prior to entry into Canada
- Karan noted, with respect to the June 2023 meeting, that that time of year is extremely busy in the DC area, therefore, Karan recommended that SC-206 select a tentative date now so that Karan can block the meeting space
  - **Action: Eldridge Frazier agreed to contact AOPA to see if they would be willing to host the joint June 2023 Plenary meeting at their facility in Frederick, MD**
  - Rocky suggested the week of June 12<sup>th</sup>
  - **Action: Karan Hofmann agreed to tentatively hold RTCA meeting space for that week (pending AOPA availability)**

9. Action Item Review

- Action Item 382
  - This item was closed
- Action Item 383
  - This item was closed
- The five new Plenary action items identified during today’s Plenary session are shaded in green below

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- The current SC-206/WG-76 Plenary Action Item list is as follows:

<b>Open Action Items</b>					
#	Owner	Action	Date	Due Date	Status
384	Karan Hofmann	Karan to tentatively hold RTCA meeting space for the week of June 12, 2023 (pending AOPA availability)	March 2022	June 2022	Open
385	Eldridge Frazier	Eldridge to contact AOPA to see if they would be willing to host the joint June 2023 Plenary meeting at their facility in Frederick, MD	March 2022	June 2022	Open
386	Mark Libant	Mark to provide list of Ottawa hotels to the SC-206 members for the joint June 2022 Plenary meeting	March 2022	May 2022	Open
387	Eldridge Frazier	Eldridge to send the draft TOR change slides to the SC-206 leadership by COB Monday, March 14 for review	March 2022	March 14, 2022	Open
388	Eldridge Frazier	Eldridge to prepare the TOR change slides and present the document to the PMC on Thursday, March 17	March 2022	March 17, 2022	Open

**10. Other Business**

- There was no new business raised
- Rocky noted that it has been a good and productive week with a good plan to the “finish line”
- The SC-206/WG-76 participants offered well-wishes to Macarena Martin-Viton and happiness and good health to her and her new baby

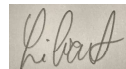
**11. Adjourn**

The Plenary adjourned at approximately 1030 EST on Friday, March 11<sup>th</sup>.

CERTIFIED as a true and accurate summary of the meeting.



Rocky Stone, SC-206 Co-chair



Mark Libant, SC-206 Co-chair



Joe Bracken, SC-206 Secretary

Macarena Martin-Viton, WG-76 Secretary