



RTCA Paper No. 256-24/SC206-211
EUROCAE Paper No. 309-24/WG-76-100

October 28, 2024

Summary of the 77th Meeting
Summary of the 73rd Meeting

RTCA Special Committee 206 (SC-206)
EUROCAE Working Group (WG-76)

Aeronautical Information Services (AIS) and Meteorological (MET) Data Link Services

Executive Summary

The joint RTCA SC-206/EUROCAE WG-76 Opening Plenary meeting was held on Monday, September 16, 2024, and the Closing Plenary was held on Friday, September 20, 2024. The meetings were held at EUROCONTROL Headquarters in Brussels, Belgium.

- The following sub-group activities were briefed:
 - SC-206 SG-4/WG-76 SG-2: Turbulence MASPS
 - The SG-4/SG-2 leadership reminded the attendees of the SG-4/SG-2 Terms of Reference (TOR)
 - This will be presented to the RTCA Program Management Committee (PMC) during the week of September 23rd
 - SG-4/SG-2 will report that they will be generating a Technical Standard document and will be requesting a six-month slip in schedule
 - The possible implementation vehicle for this document will be Advisory Circular 00-63B
 - SG-4/SG-2 assigned writers for each section of their Technical Standard during this week's meeting
 - The dominant driver in the SG-4/SG-2 effort is the use of iPads
 - SG-4/SG-2 has identified a good path for industry to use what they are developing
 - This document will highlight an approval by comparison to existing DO-370 approved algorithms
 - The Technical Standard document will not address the use of the data
 - Primary and secondary reference algorithms must pass DO-370 to be a reference algorithm
 - SG-4/SG-2 is operating with the knowledge from the EDR Study done by the FAA in the mid-2010s (the "Mike Emanuel Study") that the National Center for Atmospheric Research (NCAR) Eddy Dissipation Rate (EDR) algorithm already meets DO-370 requirements
 - No changes have been made to the algorithm since DO-370 was published
 - Quality Assurance will need to be included in the methodology
 - SC-206 SG-5/WG-76 SG-3: FIS-B MOPS (DO-358C/ED-XXX)
 - SG-5/SG-3 has begun their review of current document and mapping it to the new products identified in the TOR
 - SG-5/SG-3 has adjusted their schedule this week to accommodate support of SG-6/WG-76 efforts
 - SG-5/SG-3 had an initial completion date that was very aggressive and may be modified

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- SG-5/SG-3 is encountering a bit of “scope creep”, but has put those issues in the “parking lot”
- SG-5/SG-3 mapped all sections of DO-358B to the DO-358C TOR guidance
- SG-5/SG-3 will continue to meet twice a month through November, then during the December Plenary week
- SC-206 SG-6/WG-76 MASPS (DO-364A/ED-335)
 - The SG-6 co-chair reported that the final document is over 900 pages long
 - SG-6 leadership stepped through the draft DO-364A document to brief the participants on the overall format and content
 - Eldridge commended Amanda Hoprich for the excellent job she did in a short amount of time to bring the document together
 - During the Closing Plenary, the SG-6 leadership briefed the participants on the document and requested approval to release the document for Final Review and Comment (FRAC) and Open Consultation (OC)
 - A MASPS is one means a provider can show compliance
 - SG-6/WG-76 plans to provide the document to Alex Engel and Karan Hofmann by September 25th for RTCA and EUROCAE preparation for FRAC and OC distribution on 1 October
 - The document will be out for 45 days for anyone to comment
 - During the 18-22 November meeting in Toulouse, FRAC and OC comments will be allocated to the subject matter experts (SMEs) responsible for the applicable sections related to the comments
 - The SG-6 plan is to have all FRAC comments sent to the respective SMEs, and those comments are to be addressed at the December Plenary
 - The goal of SG-6/WG-76 is to complete the document by the December 2024 Plenary in Palm Bay, Florida
 - At that meeting, the group will attempt to resolve all FRAC and OC comments
 - SG-6/WG-76 will meet prior to December to discuss and disseminate all FRAC and OC comments to the individuals responsible for the sections where the comments are associated
 - If needed, the optional January 2025 meeting will be virtual meeting to release the document to the Program Management Committee (PMC) and the Council for approval
 - SG-6/WG-76 Leadership requested approval by SC-206 members to release the document for FRAC and OC
 - Mark Libant (SC-206 co-chair) called for a vote
 - The document was unanimously approved for FRAC and OC release
 - Alex Engel added that is he impressed with how everyone worked together to develop this document to work the technical issues
 - What is in the document is good, solid, and mature
 - Alex is impressed as to how the document was developed, and offered thanks to everyone
 - SC-206 SG-9/WG-76 SG-4: ABO RTCA/EUROCAE Report
 - SG-9/SG-4 decided to meet with the SMEs instead of conducting surveys
 - This week SG-9/SG-4 met with several European customers
 - SG-9/SG-4 is trying to understand the scope behind Unmanned Aircraft System/Urban Air Mobility/Advanced Air Mobility (UAS/UAM/AAM) and how to approach that community
 - SG-9/SG-4 is hoping to get some guidance on how to scope their recommendations when writing the requirements
 - They may engage with SC-228 as that may help to de-scope the SG-9/SG-4 effort a bit

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- There are two different areas of focus and different scopes of effort
 1. Vertical profiles
 2. AAM that are concerned with microscale meteorology to support package deliverers
 - SG-9/SG-4 has spoken with one UAM operator, but none are involved in larger scale operations to date
 - There are UAS operators as consumers and providers, and SG-9/SG-4 needs to discuss how to break those out
 - This may be future work to investigate
 - UAS/UAM/AAM is an enormous scope item without someone on the sub-group as an expert
 - What was learned this week will shape how SG-9/SG-4 goes into the 4th quarter of 2024
- Industry briefings were presented on the following topics:
 - There were no industry briefings during the Opening or Closing Plenary sessions
 - Next Plenary meeting:
 - December 2-6, 2024 [L3Harris, Palm Bay, Florida, USA]
 - Joint RTCA SC-206 (Meeting 78)/EUROCAE WG-76 (Meeting 74) Plenary

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- Curtis Marshall NWS
- Greg Meymaris University Corporation for Atmospheric Research
- Jim Mills HQ USAF/DoD
- Rudy Muller uAvionix
- Jason Pendlum Honeywell
- Brian Pettegrew The MITRE Corporation
- Mark Phaneuf* Air Line Pilots Association, Intl
- Martyn Sunter UKMETNET
- Matt Wiebold* Honeywell International, Inc.
- Radek Zaruba* Honeywell

4. Review and Approval of Meeting Agenda

- Reference slides 11 - 13 of the 2024 Sept SC206_WG76 Opening Plenary Leadership Slides_final.pptx slides
- Amanda Hoprich displayed the agenda for the week and the opening Plenary agenda
- There were no objections to the meeting agendas, and both were approved

5. Sub-Groups' Work Plan for the Week

- SC-206 SG-4/WG-76 SG-2: Turbulence MASPS
 - Reference the SG4-2_SC206-WG76_SG2 Brussels2024_Opening Plenary Slides_20240916_Final.pptx slides
 - Tammy Flowe presented the SG-4/SG-2 work plan for the week
 - Reference Slide 2
 - Tammy gave a brief reminder to the attendees of the SG-4/SG-2 TOR
 - This will be presented to the PMC during the week of September 23rd
 - SG-4/SG-2 will report that they will be generating a Technical Standard document and will be requesting a six-month slip in schedule
 - The possible implementation vehicle for this document will be Advisory Circular 00-63B
 - Reference Slide 5
 - SG-4/SG-2 will be assigning writers for each section during this week's meeting
 - Questions
 - Referencing Slide 4, Eldridge commented that he does not see a safety analysis included as part of the SG-4/SG-2 activities, and asked what will be done if values fall outside of error bounds
 - Tammy responded that SG-4/SG-2 will take an action to discuss that this week and to provide Eldridge an answer by the Closing Plenary
 - Tim noted that SG-4/SG-2 will revise Slide 5 to adjust the colors based on their schedule slippage
- SC-206 SG-5/WG-76 SG-3: FIS-B MOPS (DO-358C/ED-XXX)
 - Reference the SG5_SC206_WG76 Plenary Leadership Slides)16 Sept 2024.pptx slides
 - Jim Mills presented the SG-5/SG-3 work plan for the week
 - Reference Slide 2
 - Jim indicated that SG-5/SG-3 has begun their review of current document and mapping it to the new products identified in the TOR
 - SG-5/SG-3 has adjusted their schedule this week to accommodate support of SG-6/WG-76 efforts
 - Reference Slide 3
 - Jim indicated that SG-5/SG-3 had an initial completion date that was very aggressive

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- That completion date may be modified by the end of the week
 - Tim Rahmes asked if SG-5/SG-3 is seeing any “scope creep”, and if they are receiving any good suggestions
 - Jim responded in the affirmative
 - They have received a suggestion for an additional product, which has been put in the “parking lot”
 - Bill Carson stressed that there is already a document that has been published, so seeing all of the red on the Burndown Chart (Slide 5) may be misleading
 - The reason for the red is due to new products, not for the sections as a whole
 - Karan Hofmann noted that the SG-5/SG-3 membership list will have to be updated prior to publication of the document to show who participated and she requested that her name be changed to “RTCA Program Director”
 - Alex Engel requested that his name be added to the roster
 - Eldridge stressed that any stakeholder that has people supporting this effort must be involved in “scope creep” discussions since they are providing monetary support
- SC-206 SG-9/WG-76 SG-4: ABO RTCA Report
 - Reference the SG9 Opening Plenary Slides_20240916.pptx slides
 - Rebecca Lawler and Matt Wiebold presented the SG-9/SG-4 work plan for the week
 - Rebecca indicated that SG-9/SG-4 will be meeting with the SMEs instead of conducting surveys
 - This week they will be meeting with several European customers
 - SG-9/SG-4 is trying to understand the scope behind UAS/UAM/AAM and how to approach that community
 - A previous UAS discussion turned into a long discussion about the scale of the UAS/UAM/AAM aspects
 - They are hoping to get some guidance on how to scope their recommendations when writing the requirements
 - Tim Rahmes commented that if people show up and want to do the work, SG-9/SG-4 should be open to bring it in
 - Eldridge Frazier noted that RTCA SC-228 works the communications part of the AAM community and may be a valuable existing link
 - SG-9/SG-4 may want to bring that group in to discuss the weather observations
 - Karan Hofmann noted that SC-228 focuses on large vehicles
 - There is also a similar EUROCAE WG-105
 - Tammy Flowe noted that SG-9/SG-4 needs to be more engaged in data discussions versus communications
 - Curtis Marshall commented that there are two different areas of focus
 - Vertical profiles
 - AAM that are concerned with microscale meteorology to support package deliverers
 - These are two different scopes of effort
 - Rebecca noted that SG-9/SG-4 has spoken with one UAM operator, but none are involved in larger scale operations to date
 - Rebecca agreed to reach out to SC-228 as that may help to de-scope the SG-9/SG-4 effort a bit
 - Matt commented that there are UAS operators as consumers and providers
 - We do need to discuss how to break those out
 - This may be future work to investigate

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- UAS/UAM/AAM is an enormous scope item without someone on the sub-group as an expert
- There is an ASTM International effort related to UAS observations of weather information
- Matt asked if RTCA is chartered with providing standards for very small UAS operations
- SC-206 SG-6/WG-76 MASPS (DO-364A/ED-XXX)
 - Reference the SG6_WG76_Sept2024_Agenda_v3.pptx slides
 - Eldridge Frazier presented the SG-6/WG-76 work plan for the week
 - Eldridge noted that the final document is over 900 pages long
 - SG-6/WG-76 intends to concentrate on Sections 3 and 4 this week
 - The goal of SG-6/WG-76 is to complete the document by the December 2024 Plenary in Palm Bay, Florida
 - At that meeting, the group will attempt to resolve all FRAC and OC comments
 - SG-6/WG-76 will meet prior to December to discuss and disseminate all FRAC and OC comments to the individuals responsible for the sections where the comments are associated
 - The optional January 2025 meeting will be a virtual meeting to release the document to the PMC and the Council for approval
 - The document was initially a systems document that used three Service Descriptions as a basis for the Operational Safety Assessment (OSA) and Operational Performance Assessment (OPA)
 - Special Activity Airspace (SAA) for Uplink
 - Eddy Dissipation Rate Turbulence Service (ETS) for Crosslink
 - Weather Surveillance (WxS) for Broadcast
 - Tim Rahmes asked if SG-6/WG-76 has already spoken with AFS-410 (John Steventon) regarding Advisory Circular (AC) 00-63
 - Eldridge responded in the affirmative and added that that is still being discussed
 - John's office is "manpower-limited"
 - Reference Slide 10
 - Eldridge noted that the ETS Service was heavily modified
 - Eldridge commended Amanda Hoprich for the excellent job she did in a short amount of time to bring the document together
 - **Overview of DO-364A/ED-XXX Document**
 - Reference Slides 12-22
 - Eldridge then stepped through the draft DO-364A document to brief the participants on the overall format and content
 - Eldridge noted that a MASPS is one means a provider can show compliance
 - New services are listed in Table 1-1 of the document
 - Tim Rahmes mentioned that when John Steventon does their AC 00-63 update, this could be included
 - Roger Sultan helped architect the document to pick up the Concept of Use (ConUse)
 - Tim asked if John will be able to stay engaged to make this meaningful
 - Eldridge responded that, from past experience in creating the DO-358 update, John did not have the manpower at the time
 - Therefore, Eldridge created the update and AFS incorporated it
 - Eldridge noted that this is an FAA issue, and we need to get it to FAA AFS and help them out
 - There is a group looking to create a MOPS for the Emergency Diversion (EDS) Service

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- Eldridge and Louis Bailey briefed the group on the separate service descriptions that are significantly different in functionality
- The Airborne Rerouting Information (ARI) Service in the document is notional within this version of the document
 - We may have to adjust the capability in the future
 - Tim commented that he thought that the EDS and ARI would be similar and asked about the differences between the two
 - Eldridge responded that the information exchange is straightforward with EDS, while ARI is more notional at this time
 - Alex Engel added that EDS is flight crew specific and needs the information tailored to the aircraft
 - ARI is more Air Traffic Management (ATM) related
 - EDS is for emergency reroutes only
 - Eldridge noted that Appendix B is “normative”, and Appendix C is “informative”
- Reference Slide 23
 - Jim Mills noted that on November 22nd the plan is to have all comments sent to the respective SMEs, and those comments are to be addressed over the Thanksgiving holiday
 - Jim asked if the SMEs are expected to have responses to all of the comments by December 6th, or will they be able to work past December 6th
 - And if they can work past December 6th, when are final responses due
 - Alex responded that the optional January 22nd meeting is to obtain approval to send the document to the PMC and the Council
 - By that time, all comments need to be resolved and documented
 - In order for the group to prepare for January 22nd, the comment resolution spreadsheet needs to be completed by the first week of January 2025
 - What should be completed by December 6th are resolution of the Non-Concur and High priority comments (and Medium priority if possible)
 - Non-Concurs and Highs have to be discussed in Plenary and Non-Concurs must have documentation of resolution
 - Karan Hofmann responded that the same applies to RTCA
 - Jim asked what the deadline will be in order for Amanda to get all of the comments incorporated into the document
 - Karan responded that the co-chairs have to approve the final version of the document with all comment resolutions incorporated, and it cannot go the PMC until this is done
 - The PMC meets on March 13, 2025, so the document will go to PMC members February 13th; therefore, the due date to RTCA is January 31st
 - Alex will need to put the document into the EUROCAE template
 - The Council gets the document and the final comment resolution spreadsheet for two weeks to ensure the process is followed
 - This is not a technical review
 - Jim commented that a lot of the leadership will be gone/retired near the end of this document
 - Tammy concurred and noted that we all need to understand what needs to be done, and by when
 - Bill Carson asked Karan what system will be used within RTCA to accept and input peoples’ comments, and how do the SMEs take and resolve each comment
 - Karan responded that every group does it differently

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- This can be done via the comment spreadsheet or the AerOpus tool
- Communication with the commentors is usually done by the SME assigned the comment.
- The editor will note all resolutions within the combined comment resolution spreadsheet
- Bill added that we have to be sure to be consistent about how comments are addressed, and there should be a discussion amongst the SMEs on how to address reviewer comments

6. Adjourn

- The Opening Joint Plenary session adjourned at 1200 CEST (0600 EDT) on Monday, September 16, 2024

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Closing Joint RTCA SC-206/EUROCAE WG-76 Plenary Meeting Summary – Friday, September 20, 2024

The meetings this week were held at EUROCONTROL Headquarters in Brussels, Belgium.

Presentations are posted at:

<https://aeropus.i3cloudservices.com/rtca/group/sc-206?tab=Documents&folder=2024+Meetings%2F3-September+16-20%2C+2024+-+77th+Meeting>

The Closing Plenary convened at approximately 0900 CEST (0300 EDT)

1. Remarks (RTCA/EUROCAE, Chairmen, Host)

- Reference the 2024 Sept SC206_WG76 Closing Plenary Leadership Slides_final.pptx slides
- Mark Libant opened the meeting
 - Mark noted that a lot of good work was completed this week
- Reference Slides 2-10
 - Alex Engel and Karan Hofmann briefed the group on their respective organizations
 - Alex thanked all of the participants this week

2. Introduction of Attendees (* denotes remote participation)

- Mark Libant, Co-Chair NAVCANADA
- Tim Rahmes The Boeing Company
- Joe Bracken, Secretary* AvMet Applications, Inc.
- Eldridge Frazier FAA, Government Authorized Representative
- Moin Abulhosn FAA
- Louis Bailey The Boeing Company
- Dan Bednar* FAA
- Bill Carson The MITRE Corporation
- Patrick Conry* Honeywell
- Rick Curtis* Collins Aerospace
- Alexander Engel EUROCAE (WG-76 Technical Programme Manager)
- Tammy Flowe* FAA
- Izabela Gheorghisor MITRE
- Karan Hofmann* RTCA, Inc. (SC-206 Program Director)
- Amanda Hoprich AvMet Applications, Inc.
- Ed Johnson* FAA
- Rebecca Lawler* United Airlines
- Johan Martensson* EUROCONTROL
- Macarena Martin-Viton* Airbus (WG-76 Secretary)
- Greg Meymaris University Corporation for Atmospheric Research
- Jim Mills HQ USAF/DoD
- Jason Pendlum Honeywell
- Mark Phaneuf* Air Line Pilots Association, Int'l
- Anne Senechal EASA
- Martyn Sunter UKMETNET
- Matt Wiebold* Honeywell International, Inc.
- Radek Zaruba* Honeywell

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3. Review and Approval of Meeting Agenda
 - Reference Slide 11 of the 2024 Sept SC206_WG76 Closing Plenary Leadership Slides_final.pptx slides
 - Tim Rahmes made a motion to approve the Closing Plenary meeting agenda
 - The motion was seconded
 - The meeting agenda was approved

4. Review and Acceptance of Minutes of WG-76 Meeting 72/SC-206 Meeting 76 (June 2024 – Vancouver, Canada)
 - Joe Bracken reported that the subject document was uploaded to AerOpus on July 24th
 - All comments received were adjudicated prior to uploading
 - There were three (3) industry updates provided during the June Plenary
 - Update on Hyper-Connected Aircraft
 - Overview of FAA’s Space Weather for Aviation Research Program
 - Honeywell Product Line Emerging Capabilities
 - Six (6) action items were closed during the Plenary and three (3) new action items were identified
 - Mark Libant made a motion to accept the June 2024 Plenary minutes
 - Tim Rahmes seconded the motion
 - The June 2024 Plenary minutes were approved

5. Report of Sub-Groups:
 - SC-206 SG-4/WG-76 SG-2: Turbulence MASPS
 - Reference the SG4-2_SC206-WG76_SG2 Brussels2024_Closing Plenary Slides_20240916_v1.pptx slides
 - Tim Rahmes provided the update
 - Tim reported that SG-4 will going to the PMC next week and requesting a six-month slip in schedule
 - The dominant driver in the SG-4/SG-2 effort is the use of iPads
 - SG-4/SG-2 has identified a good path for industry to use what they are developing
 - This document will highlight an approval by comparison to existing DO-370 approved algorithms
 - Reference Slide 5
 - The analysis portion of the document will not be going green until the next quarter
 - There is a desire for more accelerometer data from SkyPath
 - SG-4/SG-2 expects PMC approval next week to develop a Technical Standard document
 - Reference Slide 9
 - SG-4/SG-2 did obtain an update from Gary Pokodner (FAA) on the status of the ADS-B Vertical Rate (VR) turbulence work
 - Reference Slide 10
 - The Technical Standard document will not address the use of the data
 - Eldridge Frazier requested that SG-4/SG-2 correct the definition of “ETS” to “EDR Turbulence Service”
 - The Technical Standard will involve NCAR EDR as the primary reference algorithm
 - Primary and secondary reference algorithms must pass DO-370 to be a reference algorithm
 - SG-4/SG-2 is operating with the knowledge that the NCAR EDR algorithm already meets DO-370
 - Quality Assurance will need to be included in the methodology

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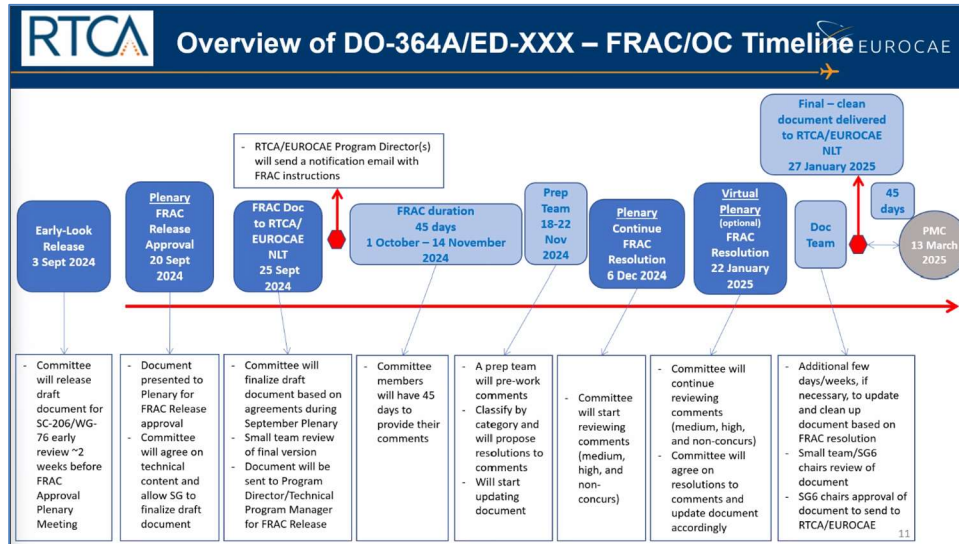
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- SC-206 SG-5/WG-76 SG-3: FIS-B MOPS (DO-358C/ED-XXX)
 - Reference the SG5-3 SC206 WG76 Plenary Leadership Slides 20 Sept 2024.pptx slides
 - Jim Mills provided the briefing
 - Reference Slide 2
 - Jim indicated that SG-5/SG-3 mapped all sections of DO-358B to the DO-358C TOR guidance
 - They included “bread crumbs” in the old version and discussed how to make DO-358C a joint document
 - SG-5/SG-3 will continue to meet twice a month through November, then during the December Plenary week
 - Reference Slide 3
 - When the section leads get together, they will develop a better timeline of their schedule
 - Alex Engel asked that Jim include Alex’s name on the SG-5/SG-3 membership roster since this will be a joint document
 - Karan commented that after this Plenary, she will be working with the new RTCA Program Director on membership lists
 - Bill Carson noted that Appendix M is U.S. centric, and they will need to make the DO-358 form be more generic
 - On the EUROCAE side, they have a similar form, but it is not listed as an appendix

- SC-206 SG-6/WG-76: MASPS (DO-364A/ED-XXX)
 - Reference the SG6 WG76 Sept2024 Agenda v1 closing slides.pptx slides
 - Eldridge Frazier provided the briefing
 - Eldridge reported that SG-6/WG-76 had a very good week
 - SG-6/WG-76 spent the week preparing the DO-364A document
 - Eldridge will brief the group on the document and will request approval to release the document for FRAC and OC
 - Reference Slides 6 - 9
 - This slide lists all of the Services within the document
 - SG-6/WG-76 has discussed and determined that Appendix C will be “normative”
 - Appendix A contains all of the Service Descriptions
 - Appendix B contains the OPAs for all Services
 - Appendix C contains the OSAs for all Services
 - Appendix C is 50% of the entire DO-364A document

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○ Reference Slide 11



- This slide shows the FRAC/OC timeline
 - SG-6/WG-76 plans to provide the document to Alex Engel and Karan Hofmann by September 25th for FRAC and OC distribution
 - The document will be out for 45 days for anyone to comment
 - During the 18-22 November meeting in Toulouse, FRAC comments will be allocated to the SMEs responsible for the applicable sections related to the comments
- SG-6/WG-76 is unsure how many comments will be received, so they are unsure how long it will take to resolve all of the comments
 - The intent is to have all comments addressed and the document completed by January 2025
 - The January 22nd Virtual Plenary is listed as optional, and will be held as necessary, depending upon the number of comments received
 - Karan noted that 45 days is the minimum to get the document to RTCA and EUROCAE
 - We have to allow 15 days for the RTCA and EUROCAE to conduct final edits to the document, and PMC members receive the document 30 days prior to meeting
- Alex noted that approval of the document sent to the PMC and the Council is a Plenary issue
 - Karan concurred
 - An additional step was added for final review of the .pdf version of the document prior to being sent to the PMC and the Council
- At the conclusion of Eldridge’s update, he requested approval by SC-206/WG-76 members to release the document for FRAC and OC
 - Mark Libant called for a vote
 - The document was unanimously approved for FRAC and OC release
 - Macarena Martin-Viton commented that Airbus is not opposed to FRAC/OC release, but there may be some technical challenges raised by Airbus during their review of the document
 - Mark Libant recommended that Airbus enter their concerns as part of their FRAC/OC review
 - Macarena added that SG-6/WG-76 may receive a Non-Concur from Airbus

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- Jim Mills reiterated his concern that the SMEs working specific comments over the holidays may introduce some workload issues
- Alex indicated that, as of today, ED-XXX becomes ED-335
- o Alex added that is he impressed with how everyone worked together to develop this document to work the technical issues
 - What is in the document is good, solid, and mature
 - Alex is impressed as to how the document was developed, and offered thanks to everyone
 - Eldridge and Karan concurred
- SC-206 SG-9/WG-76 SG-4: ABO RTCA Report
 - o Reference the [SG9 Closing Plenary Slides 20240919.pptx](#) slides
 - o Rebecca Lawler provided the briefing
 - o Rebecca thanked Martyn Sunter for arranging the speaker interviews, and thanked RTCA SG-4/EUROCAE SG-2 for sharing their time this week
 - o What was learned this week will shape how SG-9/SG-4 goes into the 4th quarter of 2024
 - o SG-9/SG-4 did have one speaker associated with AAM this week, and want to speak with them again on how that falls in the commercial space area
 - o Reference Slide 5
 - The “survey” line item was removed, and they have adjusted the schedule to complete interviews by the end of 2024
 - Report writing will begin at the beginning of 2025

6. Industry Coordination

- There were no industry briefings during the Closing Plenary

7. Terms of Reference

- Technical Advisory Committee (TAC) results associated with the SG-4/SG-2 effort
 - o Alex Engel reported that he had a meeting with the TAC for approving work programmes
 - o Alex brought forward two items
 1. Name change of the document
 2. Extension of the target date for the turbulence document and the AbO report
 - Both were approved
 - o Alex stressed the fact that EASA has no intention of referencing the turbulence document in any of their documents
 - Macarena asked which document Alex was referring to
 - Alex responded that he was referring to the Turbulence Technical Standard
 - o Tim Rahmes added that this is an unchanged position by EASA
 - o There will be a PMC meeting next week to address the TOR changes
 - o Alex noted that if FAA will be referencing an Advisory Circular, that may change EASA’s position
 - But the message from EASA is clear, they will not be referencing the turbulence document
 - o Tammy noted that EASA and the FAA have differing Regulations on Electronic Flight Bags (EFBs)
 - Tammy added that industry wants to see this document, so SG-4/SG-2 is pressing forward
 - o Alex stressed that there is no intent on the European’s part to shut down the activity
 - If industry wants the document, then the effort should continue
 - o Louis Bailey asked Alex if European support of the sub-group is going to continue

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- Alex responded that from a EUROCAE perspective, nothing will change
- o Karan Hofmann noted that they will add the new EUROCAE number to the document and there is no need to change the PMC slide
 - Just note during the PMC briefing that the EUROCAE number will be added
- o Ed Johnson asked if there is another EASA document associated with how EDR will be addressed
 - Alex responded that he is unsure if EASA is working on anything in the background

8. Future Meetings, Plans, and Dates

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

Plenary Meeting Dates		Plenary Meeting Locations (Hosts)		Notes
2-6 December 2024	Palm Bay, Florida, USA (L3 Harris - Paul)	Joint WG-76/SC-206 Plenary		
22 January 2025	Virtual Plenary	Joint WG-76/SC-206 Plenary (DO-364A/ED-XXX FRAC Resolution)		
10-14 March 2025	Bristol, United Kingdom (Boeing - Louis)	Joint WG-76/SC-206 Plenary (DO-364A/ED-XXX Publication)		
9-13 June 2025	Washington, DC (RTCA-Karan)	Joint WG-76/SC-206 Plenary		
x-x September 2025	TBD Germany/Europe	Joint WG-76/SC-206 Plenary (DO-358C/ED-XXX FRAC Resolution)		
x-x December 2025	TBD North America	Joint WG-76/SC-206 Plenary (Turbulence TS FRAC Resolution/AbO RTCA Report Due/DO-358C/ED-XXX Publication)		

SG/WG Meetings		Notes
18-22 November 2024	Toulouse, France (Airbus - Macarena)	SG6/WG-76 FRAC Resolution Meeting

- December 2024
 - o Jim Mills indicated that there is some logistical information needed from this facility
 - o There is an early November deadline to submit travel documents to the facility
 - o Meeting times will be between 0800 – 1600 EST
 - o Jim suggested that those participating in person book their hotels early
- January 2025
 - o No discussion
- March 2025
 - o Louis Bailey indicated that this meeting will take place at the Boeing facility in Bristol, United Kingdom
 - o A communications check will be conducted
- June 2025
 - o Karan indicated that meeting rooms have been reserved at RTCA
 - o Karan asked that her name be removed from this activity and that “RTCA Program Director” be added
- September 2025
 - o Jim Mills indicated that he is still working this one and that he has not received confirmation on a location yet
 - However, Germany is still a possibility
 - o Karan noted that an audio check will have to be conducted before we can commit to the location
 - o Alex asked if the week of September 25th could be avoided when scheduling the date

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- December 2025
 - The meeting will be held at RTCA Headquarters in Washington, DC
 - The week of December 8th was selected
 - The group decided they will need three meeting rooms
 - **Action: Karan Hofmann to reserve three rooms at RTCA Headquarters for the December 8-12, 2025**
 - Jim Mills indicated that he is considering backup plans for local L3Harris facilities in case the RTCA Headquarters venue falls through

7. Action Items Review

- Action Item 445
 - Closed
 - Eldridge asked that he and Moin Abulhosn be included in the PMC invitation
 - Karan concurred and forwarded the invitation
- Action Item 446
 - Jim Mills requested that this Action Item remain Open
- Two new Plenary action items were identified during the Opening and Closing Plenary sessions and are shaded in green below
 - Action item 447
 - This item was Opened and Closed during the week

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

#	Owner	Action	Date	Due Date	Status
Open Action Items					
445	Karan Hofmann	Send the September PMC invitation to Tammy Flowe, Tim Rahmes, and Mark Phaneuf	June 2024		Closed
446	Jim Mills	Work with his contact to determine if the September 2025 Plenary Meeting can be hosted in Germany	June 2024		Open
447	SG-4 Leadership	Discuss and report back to Eldridge at Closing Plenary on the question of conducting a Safety Analysis when value outside error bounds	Sept 2024		Closed
448	Karan Hofmann	Reserve three rooms at RTCA Headquarters for the December 8-12, 2025 Joint Plenary	Sept 2024		Open

8. Other Business

- No new business was raised
- Karan noted that this will be her last Plenary as she will be retiring
 - Karan thanked the group for all their support over the years and for having accomplished a lot of great work
- Mark Phaneuf asked if SG-6/WG-76 is requesting that the SMEs responsible for the various sections of the DO-364A/ED-335 document be present when FRAC comments are distributed
 - Eldridge responded in the negative and noted that comments will be allocated to the responsible SMEs during the November Toulouse meeting
 - Louis added that since Mark wrote some of the sections in the document, it would be beneficial for Mark to either be in person or online

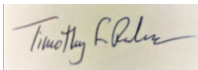
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- Jim Mills added that some of the comments could be worked during the meeting if the SMEs were present
- Eldridge noted that if Mark Phaneuf has the travel funds available and can attend both meetings, that would be ideal
 - Eldridge stressed that he would prefer to have the SMEs attend the December Palm Bay meeting
- Mark Libant encouraged Macarena Martin-Viton and Airbus to submit their comments to the DO-364A/ED-335 FRAC/OC as soon as possible
 - Louis noted that it is on SG-6/WG-76 to schedule a meeting with Airbus to discuss with and educate them on the document
 - SG-6/WG-76 has already started speaking with Macarena about this
 - Mark Libant noted that it would be good for others to know when SG-6/WG-76 is speaking with Airbus and the outcome of that discussion
 - Louis concurred
 - Eldridge noted that this will be discussed during the October Leadership meetings
 - SG-6/WG-76 Leadership took an action to brief the rest of the SC-206/WG-76 leadership on the status of their discussions with Airbus

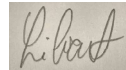
9. Adjourn

- The Closing Plenary adjourned at approximately 1015 CEST (0415 EDT) on Friday, September 20, 2024

CERTIFIED as a true and accurate summary of the meeting.



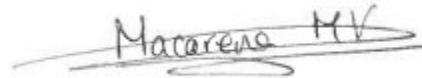
Tim Rahmes, SC-206 Co-chair



Mark Libant, SC-206 Co-chair



Joe Bracken, SC-206 Secretary



Macarena Martin-Viton, WG-76 Secretary