Welcome to RTCA
Program Management Committee Meeting
September 20, 2018
Welcome & Introductions

Chair

Chris Hegarty, MITRE
Anti-Trust Policy

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• RTCA staff will suspend any discussion that relates to such matters and the Meeting will proceed only after appropriate limitation of such discussions has been advised and agreed.
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  1) A bona fide, public interest basis for the reference and/or usage
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To participate on RTCA Committees, an individual’s organization is required to be a member of RTCA. Individuals from non-member organizations may apply for membership on a committee, and if accepted, will be required to become an RTCA member.

Individuals from Non-RTCA member organizations may attend Committee Plenary meetings that are announced on the web. Non-member attendees have the option of requesting permission to be recognized to speak during the plenary meeting. Meeting summaries and related information from previous plenary meetings will be available to the public via RTCA’s website. Documents undergoing final review can be obtained by contacting RTCA. Members of the public may also submit comments on documents undergoing final review.
• Sign-in sheets are located outside the door
  • Please sign in via the roster, or
  • Provide your contact details on the new member sheet

• Facility Layout
  • RTCA Receptionist (Suite 910)
    • Can help with any questions
    • Can summon IT support

• Meeting tips
  • Please remember to use your microphones
    • Press and release once to activate/deactivate.
    • Do NOT hold the button down
    • The maximum number of mics on at one time is 5 – if drops occur, check the number of active mics
PMC Reflections and Remembrance

Robert Grove
May 29, 1949 – July 12, 2018

Robert “Bob” Saffell
August 24, 1949 – September 6, 2018

Per Enge
October 29, 1953 – April 22, 2018
Happy Retirement
Richard Heinrich!!
Happy Retirement
Chris Benich!!
Welcome New PMC Members:

Rune Duke – AOPA
Heidi Williams – NBAA
Agenda Item 1-B: Independent Standards Development Organization Update

Andy Cebula, RTCA Interim Executive Director
September 20, 2018 PMC
RTCA Paper No. 236-18/PMC-1805
RTCA Update

Focus: RTCA Historical Core Capability
  • Since 1935

New Board of Directors
  • Chair: Steve Brown, NBAA
  • Vice Chair: Steve Timm, Rockwell Collins
  • Carl Esposito, Honeywell Aerospace
  • Sharon Pinkerton, Airlines for America
  • Melissa Rudinger, AOPA
  • Todd Zarfos, The Boeing Company

Search Committee - Subset of Board Plus…
  • Chris Hegarty, MITRE
Current Emphasis

- Continue emphasis on reaching consensus
- Individual Committee outreach with RTCA leaders
- Communicating Committee Actions – message for broader audience
- Collaborating with Europe/Other Global Areas

Overarching Question
  - Initiating New Work for Existing Committees
  - Launching New Committees
RTCA Update

Challenge facing RTCA and Committees

• Transition in Committee Leadership/Participants
• Karan and Chris special report out
Agenda Item 2A: Review / Approve Meeting Summary
June 21, 2018

RTCA Paper No. 209-18/PMC-1791
Agenda Item 2B: 
Review / Approve Administrative 
SC TOR Revision

SC-236 – New Chairman
SC-222 – New GAR
Agenda Item 3A: 147 – Traffic Alert and Collision Avoidance System

Stuart Searight and Ruy Brandao
SC-147 Co-Chairmen

PMC Meeting – June 21, 2018
RTCA Paper Nos. 216-18/PMC-1797 and 217-18/PMC-1798
Committee Profile

SC-147/WG-75 Leadership
- J. Stuart Searight, FAA/ANG-C, SC-147 Co-Chair
- Ruy Brandao, Honeywell International, SC-147 Co-Chair
- Bill Booth, Eurocontrol, EURUOCAE WG-75 Chair
- Donna Froehlich, Aurora Innovations, Secretary

SC-147/WG-75 Membership
- 80+ Active participants
- FAA: AJM, ANG, AIR, AFS, AUS
  - MIT Lincoln Laboratory, Johns Hopkins APL, Mitre CAASD
- EUROCONTROL, SESAR, EASA, DSNA, Egis
- ALPA, NATCA, NATS, DFS
- Boeing, Airbus
- Honeywell, ACSS, Rockwell, Garmin
ACAS $X_A/X_O$ MOPS

**ACAS $X_A$ = “Newer, Better, Smarter” TCAS II**
- “A” denotes Active Surveillance (i.e. Mode C/S)
- Uses same RA Alerts as TCAS II
  - No new training required
- Surveillance uses ADS-B more directly
- Alerting Logic reduces TA and RA rates in desired environments (e.g. IFR/VFR interactions near airports.)
- Improved Alerting (i.e. reduce frequencies of: reversals, altitude crossings, complex RA sequences, and “pop-up” RAs)
ACAS X_A/X_O MOPS

ACAS X_O = Operationally Specific Logic

- Allows for tailored alerting logic and thresholds to be used for Designated Traffic
  - DO-317A (ASA System/SC-186)
- Two Versions of XO Logic included:
  - XO DNA – “Do Not Alert”
    - RAs are “masked” from designated traffic
  - XO CSPO-3000 – Closely Spaced Parallel Operations
    - Decreased Alerting Sensitivity to avoid unnecessary RAs
  - Extendable for Future ASA Application Integration
    - i.e. IM Arrivals, Crossing and Passing
MOPS Materials

**ACAS X MOPS**
- Volume I: Standard MOPS Format, Requirements, and Test Procedures
- Volume II: Algorithm Design Description (ADD)
  - Analogous to TCAS II Pseudocode, but in Julia source code

**Supporting Materials**
- Materials that were indirectly part of FRAC/OC process & required to implement an ACAS X system
- Cost Look-up Tables (data files that dictate system alerting)
- Test Suite files (set of tests for path coverage V&V)

**Supplementary Materials**
- FAA Program Office Artifacts from ACAS X development
- Provide justification and validation for final ACAS X system performance
- Not part of FRAC/OC Process, but used by committees to approve final MOPS
  - Operational Metrics Matrix final report
  - Requirements Mapping and Justification Matrix and Final Report
  - ACAS X simulation executable
- To be placed in “DO-385 Supplementary Materials” folder on SC-147 Workspace
Document Approval Process (1/2)

- Oct-Nov 2017: “Pre-FRAC” Review and Comment Process
- December 2017: Meeting dedicated to Comment Review and Adjudication
  - Joint Committee Approval to implement all agreed comment resolutions and proceed to FRAC/Open Consultation
- March 8-April 29, 2018: Final draft MOPS open for FRAC/OC Review and Comment
  - 1041 Comments received
  - 9 Non-concurs, and 151 High comments
- May 15-18, 2018: Joint SC-147/WG-75 Plenary
## ACAS X MOPS Comment Statistics

### Summary of Comments

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| Algorithm Design Description

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**Summary of Comments on Volume I**

**MOPS Textual Requirements and Tests**

**Summary of Comments on Volume II**

**Algorithm Design Description**
Non-concur Topics

- “Placeholder” NC to ensure that all members felt they had sufficient chance to review material missing in March 8th distribution
  - Missing material distributed April 12
  - Specific ADD routines for Designating a Target for ACAS Xo
- ACAS Xo interface capabilities during an RA
- ACAS Xo requirement to specifically use ICAO 24 bit address to correlate between ACAS X and ASA
- Operational Coordination Message definition
- Julia Code / ADD: Coding Standards
- Linkage between Vol I and Vol II Requirements
Document Approval Process (2/2)

- May 29-July 20: Held numerous Working Group WebEx sessions to discuss/introduce changes addressing comments
- July 25, 2018: Final MOPS and Comment Matrix distributed to SC-147/WG-75 members for verification review
- August 13, 2018: Joint Plenary via WebEx to present final MOPS and Comment Resolutions
  - MOPS Received Joint SC-147/WG-75 Approval
Conclusions

- SC-147/WG-75 has reached consensus on
  \[ \text{ACAS } X_A/X_O \text{ MOPS} \]

- SC-147 recommends PMC to approve this new standard for release to RTCA for publication
SC-147 Upcoming Work

- **MASPS for Collision Avoidance System Interoperability**
  - Based on ISRA between SC-147 and SC-228 DAA WG
  - Committee Approval scheduled for December, 2018

- **MOPS for Airborne Collision Avoidance System X for UAS (ACAS X_U)**
  - Committee Approval scheduled for September, 2020

- **Potential Future Addition to TORs: ACAS X_R**
  - ACAS X specifically designed for rotorcraft
Agenda Item 3B: SC-213 Enhanced Flight Vision Systems/Synthetic Vision Systems

PMC Meeting – September 20, 2018
RTCA Paper No. 211-18/PMC-1792

Tim Etherington, SC-213 Co-Chairman
Committee Membership

SC-213 Leadership

• Co-chairs
  • Tim Etherington – Rockwell Collins
  • Patrick Krohn - Universal

• Designated Federal Official
  • Trent Prange

• RTCA Program Manager
  • Rebecca Morrison

• Secretary
  • Thea Feyereisen - Honeywell
Committee Membership

SC-213 Participants – Around 30 in attendance

- Avionics manufacturers:
  - At least 5 in active participation

- Aircraft Manufacturers:
  - 5 in active participation
  - Including Airbus and Boeing

- Government:
  - Multiple and active participation by EASA, FAA, and NASA

- Airlines:
  - Occasional participation from ALPA and airline representatives
DO-374 Safety, Performance, and Interoperability Requirements Documents defining Takeoff Minima by the use of Enhanced Flight Visibility Systems

- Natural visibility still required
- Defines takeoff using EFVS for 1000 feet
- Defines takeoff using EFVS for 500 feet
- Details additional aircraft system elements needed from a standard EFVS for landing
- Allows for a takeoff in conditions that a landing would be allowed in 91.176
Final Review and Comment Summary

- 81 Editorial
- 56 Low
- 40 Medium
- 39 High
- 5 Non-concur
- 2 at plenary
- All comments either resolved or withdrawn
Non-Concur DO-374 Inputs

Five Non-Concurs – All resolved

- Since EFVS is already defined as HUD remove direct reference to HUD
- Added reference to both EFVS I and EFVS II
- Clarification on expanded deviation scale as one means of compliance
- Clarification to ground reference symbology
- Clarification on number of additional landings required
Conclusions

- RTCA SC-213 recommends publication.
Information

CVS MASPS for Helicopters

• WG-79 working comment resolution
• SC-213 will review at October Plenary

Terms of Reference

• A proposed TOR update will be drafted at the October Plenary
• Re-write and cleanup of DO-315
  • Update base content
  • Fix 315 and 341 conflicts
  • Align FAA guidance material
  • Incorporate Rotorcraft or separate document
Agenda Items 3C and 3D:
RTCA PMC
September 20, 2018
SC-214
Standards for Air Traffic Data Communication Services

Chuck Stewart – SC-214 Chairman
Dongsong Zeng - SC-214 Secretary
RTCA Paper No. 196-18/PMC-1788 and 197-18/PMC-1789
SC-214 Terms of Reference (TOR) and Status Update

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<td>June 2018</td>
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<td>VDL2 improvements including both avionics and ground systems for European DLS-IR needs</td>
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<td>April 2019</td>
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<td>MASPS</td>
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SC-214 is on schedule

- DO-281C/ED-92C and DO-224D were completed in June 2018
- Connectionless VDL2 standardization is in progress
SC-214 Work Environment

Cross-organization Cooperation and Harmonization

- RTCA SC-214 (Standards for Air Traffic Data Communications Services) works jointly with EUROCAE WG-92 (VDL Mode 2) and AEEC DLK (Data Link Systems) Subcommittee
- Revisions of VDL2 standards DO-224, DO-281, ED-92, ARINC 631 and ICAO Doc 9776 are harmonized

Recent active members include

- FAA, Boeing, Airbus, MITRE, Honeywell, Rockwell Collins, SITA, EUROCONTROL, Universal, United, Garmin, EASA, Thales, Spectralux, Harris, Leonardo, American Airlines, AIRTEL ATN, etc.
DO-224D VDL2 MASP
DO-224D Revision Highlights

Message recovery requirement clarification

- Added a note that when a strong signal collapses with a weak signal, the strong signal should survive.

Handoff clarification

- An aircraft transmitting or receiving a DISC frame shall initiate link establishment or handoff on one LME if no links remain.

Maximum number of access attempts requirement clarification

- Added a note “When the value of the counter indicates M1 limit has been reached (M1 unsuccessful access attempts have occurred without the counter being reset), authorization to transmit shall be granted as soon as the channel is idle.”
DO-224D FRAC Release and Resolution

- DO-224D VDL2 MASPS was approved to release for FRAC by SC-214 at Plenary # 27 telecon meeting, April 17, 2018

- A total of 20 comments received during the FRAC period between April 19 and May 21, 2018
  - 11 editorial, 5 low, 2 medium, 1 high, 0 non-concur

- All comments were resolved by SC-214 at Plenary #28 meeting, June 25-28, 2018
DO-281C VDL2 MOPS
DO-281C Revision Highlights

- Amended test case to allow avionics to handoff in response to ground station disconnection
  - Before - the avionics can only establish a new link with next ground station when receiving a ground station disconnection
  - After - the avionics can either establish a new link or handoff to the next ground station when receiving a ground station disconnection

- Added a test case to verify call-request retransmission at timer T21 expiry

- The transmission delay between Communication Management Unit (CMU) and VHF Digital Radio (VDR) has been taken into account in timer T1 calculation
DO-281C FRAC Release and Resolution

- DO-281C VDL2 MOPS and ED-92C VDL2 MOPS were approved to release for FRAC/OC by SC-214 and WG-92 at Plenary # 27 telecon meeting, April 17, 2018

- A total of 138 comments were received during the FRAC/OC period between April 24 and June 8, 2018
  - 110 editorial, 12 low, 8 medium, 8 high, 0 non-concur

- All comments were resolved at SC-214 Plenary #28 meeting, June 25-28, 2018
Conclusions

- SC-214/WG-92 have reached consensus on
  - DO-224D
  - DO-281C/ED-92C

- SC-214 recommends that PMC approve DO-224D and DO-281C for publication
Questions?

Thank you
Agenda Item 4:
ICC Report to the PMC

None for September 20, 2018
Question: Do we need to review ICC Charter for possible adjustment for RTCA SDO Status?
Agenda Item 5: CCC Report to the PMC

None for September 20, 2018
Question: Do we need to review CCC Charter for possible adjustment for RTCA SDO Status?
CCC Membership:
With Rick Heinrich’s retirement, Bob Lee volunteers to support CCC Activity
Agenda Item 6A: Work to Suggest Correct Mapping and Outline Configuration Management In Coordination with ICAO

Al Secen, RTCA Vice President, Aviation Technology and Standards
Agenda Item 6B: FAC and GAR Changes in Approved Documents

Karan Hofmann, RTCA PMC Secretary
Agenda Item 6C: Update Style and Drafting Guides with FAC and GAR Changes

Karan Hofmann, RTCA PMC Secretary
Agenda Item 6D: Discuss SC-216/WG-72 Activity with EASA

Lou Volchansky, PMC GAR
Agenda Item 6E: Share PMC Concern with EUROCAE on Opening ED-204 (joint DO-355)

Al Secen, RTCA Vice President, Aviation Technology and Standards
Agenda Item 6F: Document Definitions of Errata, Change, and Revision

Al Secen, RTCA Vice President, Aviation Technology and Standards
Document Type Definitions:

- **Errata:**
  - Corrections that would be classified as administrative or minor edits (misspellings, punctuation, alignment)
  - An error in printing or writing (found in a printed work after printing)

- **Change:**
  - Addition, modification, deletion of a limited part of the document
  - A relatively minor modification of main-body content
  - A modification of any kind to a technique – specific appendix that affects only that appendix
  - Correction of detail
  - Scope (to possibly include specific sections or appendices) included in TOR

- **Revision:**
  - A significant change to main-body content – significant technical/technological changes
  - An addition of a significant new element to the appendices
  - Fundamental change
Agenda Item 6G:
Adjust DO-220A Change 1 and send to PMC Members for Review/Approval

Karan Hofmann, RTCA PMC Secretary
Agenda Item 6H: Adjust SC-206 TOR to Clarify use of DO-364 and send to PMC for Review/Approval

Karan Hofmann, PMC Secretary
Agenda Item 6I: Discuss DO-364 and possible impact on CSC

Eldridge Frazier, SC-206 GAR
Agenda Item 6J: Adjust SC-230 TOR to Change LIDAR deliverable to Feasibility Study and send to PMC for Review/Approval

Karan Hofmann, PMC Secretary
Agenda Item 6K: Provide WG-109 and new WG-72 TORs to PMC Members

Karan Hofmann, PMC Secretary
Agenda Item 6L: Investigate feasibility of providing redlined version of completed documents

Al Secen, RTCA Vice President, Aviation Technology and Standards
Agenda Item 6M: SC-228
(Minimum Performance Standards for Unmanned Aircraft Systems)
TOR Revision Wording

RTCA Program Management Committee
20 September 2018
RTCA Paper No. 242-18/PMC-1808
Plenary Meeting Summary

15th Plenary Meeting, 12 July 2018, Renton, WA

- Focus was to consider recommended changes to Terms of Reference (ToR)
  - This was at direction of PMC at March 2018 meeting to close the loop on some proposed ToR changes that had not been consensus approved by the full SC-228 in Plenary Session

- There was a non-concur from the floor at the Plenary from a key stakeholder.
  - SC-228 leadership took the task to coordinate with the non-concurring organization to resolve the previously unknown objection
  - An additional Plenary meeting was scheduled to deal with this one topic.

16th Plenary Meeting 13 September 2018, RTCA HQ

- The Plenary approved a modified ToR recommendation which will be submitted to the PMC for consideration in the December 2018 meeting.
  - Note of thanks to Andy Cebula and Al Secen for their support and active work in coordinating a successful resolution with all parties
Schedule Summary

The Special Committee continues to enjoy strong and active support from a broad range of stakeholders supporting both working groups.

- We routinely see >60 participants at Plenary sessions, and even broader support in the detailed working groups.
- At present we see no issues delivering any of our deliverables as scheduled.

The next document to be delivered is the C2 Link System MASPS, scheduled for completion in December 2018 by committee and submitted to PMC for approval in the March 2019 meeting.

- Working Group 2 is currently on track to finish work and seek Plenary approval at 17th Meeting (25 October) to enter FRAC in November 2018.
- With the holiday breaks, the 18th Plenary is scheduled in January, but in sufficient time to deliver to PMC when anticipated.
Agenda Item 7A: Discussion
FAA Actions on Previously Published Documents
RTCA Paper No. 213-18/PMC-1794

Lou Volchansky, PMC GAR
September 20, 2018
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<td>October 2018 (3 month slip)</td>
<td>Consolidates synthetic vision, synthetic vision guidance system, and airplane state awareness guidance</td>
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<td>DO-246E</td>
<td>GNSS-Based Precision Approach Local Area Augmentation System Signal-in-Space</td>
<td>SC-159</td>
<td>None</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Interface Control Document</td>
<td></td>
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<tr>
<td>DO-253D</td>
<td>MOPS for GPS Local Area Augmentation System Airborne Equipment</td>
<td>SC-159</td>
<td>TSO-C161b and TSO-C162b</td>
<td>July 2018 Postponed</td>
</tr>
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<tr>
<td>DO-372</td>
<td>Addressing Human Factors/Pilot Interface Issues for Avionics</td>
<td>SC-233</td>
<td>AC</td>
<td>November 2018 (2 month slip)</td>
</tr>
<tr>
<td></td>
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<tr>
<td>DO-370</td>
<td>Guidelines for the In Situ Eddy Dissipation Rate (EDR) Algorithm Performance</td>
<td>SC-206</td>
<td>TBD</td>
<td>N/A</td>
</tr>
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<td>N/A</td>
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<tr>
<td>DO-257B</td>
<td>MOPS for the Depiction of Navigational Information on Electronic Maps</td>
<td>SC-227</td>
<td>TSO-C165b</td>
<td>November 2018 (1 month slip)</td>
</tr>
<tr>
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</tr>
</tbody>
</table>

- VDB issue needs resolution. TSO delayed until MOPS corrected. Otherwise, will incorporate updated GAST-D design standard to support Category II/III operations; maintenance updates to legacy standards.
- Supports updated requirements for the electronic display of an RNP system’s outputs IAW DO-236C and DO-283B. Updates embrace new display technologies and revised human factors considerations.
<table>
<thead>
<tr>
<th>Document Ref.</th>
<th>SC</th>
<th>Reference/Condition</th>
<th>Date</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DO-373, MOPS for GNSS Active Antenna in the L1/E1 and L5/E5A Bands</strong></td>
<td>SC-159</td>
<td>TSO</td>
<td>TBD</td>
<td>New TSO. (Need updated interference environment, estimated Q1 CY2019)</td>
</tr>
<tr>
<td><strong>DO-356A, Airworthiness Security Methods and Considerations</strong></td>
<td>SC-216</td>
<td>AC</td>
<td>TBD</td>
<td>Support Special Conditions</td>
</tr>
<tr>
<td><strong>DO-220A, Change 1, MOPS for Airborne Weather Radar Systems</strong></td>
<td>SC-230</td>
<td>TSO-C63e revision; AC 20-182A revision</td>
<td>Feb 2019</td>
<td>Aircraft weather radar design approval and installation guidance</td>
</tr>
<tr>
<td><strong>DO-230I, Standards for Airport Security Access Control Systems</strong></td>
<td>SC-224</td>
<td>N/A</td>
<td>N/A</td>
<td>Provides guidance on acquiring and designing systems, testing and evaluating system performance, and operational requirements. Incorporates the latest technological advances. Adds a credentialing operational checklist.</td>
</tr>
<tr>
<td>RTCA Document</td>
<td>Developed By</td>
<td>Planned FAA Guidance</td>
<td>Planned Release Date</td>
<td>Comment</td>
</tr>
<tr>
<td>--------------------------------------------------------</td>
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<tr>
<td>New MOPS to Specify the ACAS $X_a$ System and ACAS $X_0$ Functionality</td>
<td>SC-147</td>
<td>TSO, AC</td>
<td>TSO – Nov 2019; AC – Jan 2020</td>
<td>Performance standard and installation guidance for ACAS $X_a$ (basic collision avoidance functionality) and ACAS $X_0$ (closely spaced runway operations)</td>
</tr>
<tr>
<td>New SPR for Vision Systems for Takeoff</td>
<td>SC-213</td>
<td>None</td>
<td>N/A</td>
<td>Establish safety case for the takeoff operation.</td>
</tr>
<tr>
<td>Revised DO-281B, MOPS for aircraft VDL Mode 2 Physical Link and Network Layer</td>
<td>SC-214</td>
<td>TSO</td>
<td>2021</td>
<td>SC-214/WG-92/AEEC DLK recommends the MPS defined in TSO/ETSO-C160a not be revised until publication of DO-281D/ED-92D planned in late 2020.</td>
</tr>
</tbody>
</table>
DISCUSSION
Agenda Item 7B: Discussion
Special Committee Chair Reports
RTCA Paper No. 214-18/PMC-1795

Rebecca Morrison, RTCA Program Director
September 20, 2018
Agenda Item 7C: Report on RTCA / EUROCAE Cooperation to PMC

RTCA Paper No. 215-18/PMC-1796

Rebecca Morrison, RTCA Program Director

September 20, 2018
New Documents Released by EUROCAE since Last PMC

<table>
<thead>
<tr>
<th>Standard</th>
<th>Title</th>
<th>Working Group</th>
<th>Date of Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-203A</td>
<td>Airworthiness Security Methods and Considerations</td>
<td>WG-72/SC-216</td>
<td>June 2018</td>
</tr>
<tr>
<td>ER-017</td>
<td>International Aeronautical Information Security Mapping</td>
<td>WG-72</td>
<td>June 2018</td>
</tr>
<tr>
<td></td>
<td>Summary</td>
<td></td>
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<tr>
<td>ED-254</td>
<td>Arrival Sequence Service Performance Standard</td>
<td>WG-104</td>
<td>July 2018</td>
</tr>
<tr>
<td>ER-018</td>
<td>SWIM Service Standardisation Package</td>
<td>WG-104</td>
<td>July 2018</td>
</tr>
</tbody>
</table>
New EUROCAE WG-110

- Approved August 29\textsuperscript{th} by the TAC
- TOR will go to the Council Sept. 26-27
- Product to be: “Minimum Operating Performance Standard for Class A Helicopter Terrain Awareness and Warning Systems (HTAWS) for Offshore Helicopter Operations”
  - The MOPS are intended to normatively reference RTCA DO-309
  - Due Date T + 24 Months
- Is RTCA interested in standing up a joint committee?
Follow On: EUROCAE WG-109

- Approved February 26th by the EUROCAE Council
- Runway Weather Information Systems Strategy
- Producing a MASPS in May 2020
- Initial meeting took place 23-24 May 2018 in Saint-Denis, France.
- Is RTCA interested in making this joint work?

<table>
<thead>
<tr>
<th>Document type</th>
<th>Draft title</th>
<th>Target date</th>
</tr>
</thead>
<tbody>
<tr>
<td>MASPS / ED-xxx</td>
<td>MASPS for Runway Weather Information Systems</td>
<td>05/11/2020</td>
</tr>
</tbody>
</table>
EUROCAE/RTCA Coordination Meeting

November 13-14, 2018 Hosted by RTCA

- Discuss the status of the joint programs
- Presentations on the work that is being done by EUROCAE and RTCA which is non-joint
- Discussion of specific emerging technologies
- Discussion on updates to drafting guides
- Review of Memorandum of Cooperation
EUROCAE Meetings in 2018

- TAC #75: 22-23 October 2018
- TAC#76: 15-16 January 2019, St Denis EUROCAE
- TAC#77: 24 April 2019, Toulouse, Airbus
DISCUSSION
Agenda Item 7D: RTCA Drafting Guides Update

Karan Hofmann, Program Director
September 20, 2018
Agenda Item 8A: Special Presentation

Richard Heinrich, Retired PMC Member
Agenda Item 8B: ACSS CtL Update

Al Secen, RTCA Vice President, Aviation Technology and Standards
Agenda Item 8C: DO-363 Text Revision

Brian Verna, FAA/AFS-360
Agenda Item 8D: SC-186
Automatic Dependent Surveillance – Broadcast (ADS-B)
Terms of Reference
Rev. 21 Update
RTCA Paper No. 234-18/PMC-1803

Jessie Turner
The Boeing Company
SC-186 Co-chair

RTCA PMC
September 20, 2018
• DELIVERABLES
  The already planned update of Appendix H – “Service Status Indication for Traffic Information Services – Broadcast (TIS-B) and Automatic Dependent Surveillance – Rebroadcast (ADS-R)” is being moved from the planned DO-317B Change 1 revision (Dec. 2018) to the planned DO-317C revision (Dec. 2019). Appendix H is being updated to reflect the FAA’s new Same-Link Rebroadcast (SLR) service. The delay in these updates (which are informational only) has no impact on implementers or user’s of the DO-317() Aircraft Surveillance Applications (ASA) MOPS.

• ENVISIONED USE OF DELIVERABLE(S)
  The text was revised to show that Appendix H in DO-317B will be updated (as stated above) as part of the DO-317C release instead of the DO-317B Change 1 release.

ALL PROPOSED TOR CHANGES WERE APPROVED TO MOVE FORWARD TO THE PMC AT THE 69TH SC-186 PLENARY HELD SEPT. 7, 2018
Agenda Item 8E: Safran CtL

Karan Hofmann, RTCA Program Director
Agenda Item 9: Next Meeting
Documents

**SC-213:**
- New Document – *MASPS for A Combined Vision Systems for Rotocraft Operations*

**SC-217:**
- DO-201B – *User Requirements for Navigation Data*

**SC-229:**
- DO-204B – *MOPS for 406MHz ELTs*
Future Meetings

PMC:

• December 13, 2018
• March 21, 2019
• June 20, 2019* (Request to move to June 13, 2018)
• September 19, 2019?
September Action Item Review
ADJOURN
BREAK TIME

Back at: 10:05
LUNCH
RETURN AT 12:10 EDT