



EUR 92-20 / WG72-139
RTCA Paper No. 097-20/SC216-105

Saint Denis, 10 April 2020
Washington, 10 April 2020

**EUROCAE WG-72 Plenary Meeting #56 / RTCA SC-216 Plenary Meeting #46
“Aeronautical Systems Security”**

Date	19th March 2020
Place	Virtual Meeting
Venue	
Hosted by	EUROCAE

Attendance: (snapshot of WebEx attendee list)

Contact	Organisation	19 th Plenary
Mark J Kelley	AVISTA	W
Judicael Gros-Desirs	AIRBUS SAS	W
Cristian Bertoli	AIRBUS SAS	W
Patricia Fuilla	AIRBUS SAS	W
Patrick McTernen	American Airlines	W
Brian Hoffman	ALPA	W
Mohammed Waheed	Aviage Systems	W
Clive Goodchild	BAE Systems	W
Kevin Meier	Cessna Aircraft	W
Laurent Leonardon	Collins Aerospace	W
Philippe Marquis	DASSAULT AVIATION	W
Ted Patmore	Delta Airlines	W
Cyrille Rosay	EASA	W
Claudio Henrique de Castro	Embraer	W
Seth Stewart	ENSCO	W
Anna Guégan	EUROCAE	W
Hannes Alparslan	European Defence Agency (EDA)	W
John Flores	Federal Aviation Administration	W
Varun Khanna	Federal Aviation Administration	W
Cesar Gomez	Federal Aviation Administration	W
Markus Labay	Federal Aviation Administration	W
Shohreh Safarian	Federal Aviation Administration	W
David Pierce	GE Aviation Systems US	W
Stefan Schwindt	GE Aviation Systems	W

Andy Boff	Helios	W
Sam Masri	Honeywell International	W
Dongzong Zeng	MITRE	W
Richard Duriez	NATO	W
Ernie Condon	National Institute for Aviation Research	W
Ted Kalthoff	National Institute for Aviation Research	W
Philip Watson	Panasonic Avionics Corp.	W
Philippe Robert	PMV Engineering	W
Karan Hofmann	RTCA	W
Ravi Nori	Teledyne Control	W
Adrian Waller	Thales Group	W
Frederique Dauvillaire	Thales Group	W
Brittany Skelton	The BOEING COMPANY	W
Marta Slomin	Triumph Engine Controls	W
Casey Theisen	United Airlines	W

19th March PM

Welcome and Tour de table

Introductions and tour de table conducted. The RTCA and EUROCAE IPR and Policy statements were displayed and read through by Karan Hofman and Anna Guegan which were accepted by the participants and recorded in these minutes.

Participant Introductions and comments on the progress to date

Contact	Organisation	Comments
Mark J Kelley	AVISTA	Technical editor ED204A/355A and ED201A. Thank you for your patience as we have gone through the comments
Judicael Gros-Desirs	AIRBUS SAS	
Cristian Bertoli	AIRBUS SAS	Generally right direction lots of work to be done
Patricia Fuilla	AIRBUS SAS	Involved in ED204A and ED-XXX
Patrick McTernen	American Airlines	Pleased with the progress
Brian Hoffman	ALPA	Like the progress going forward and wants to seem some discussion in the ISEM on mitigation
Mohammed Waheed	Aviage Systems	No major concerns with the progress
Clive Goodchild	BAE Systems	WG-72 Secretary, ED201A Industry editor, Generally the right direction, but not necessarily the most direct route at times. Need to remember not just the aircraft
Kevin Meier	Cessna Aircraft	Good progress been made
Laurent Leonardon	Collins Aerospace	Progress seems to be good
Philippe Marquis	DASSAULT AVIATION	General progress ED204A was efficient and we should be in time to publish document, ED201A good result from the result, concern with the gaps in the document and what is required in PART-AISS, ED-XX lots of challenges to address
Ted Patmore	Delta Airlines	Making good progress and ED204A should be at finalised state, need work to define aircraft specific issues in the ISEM whilst considering the system as a whole
Cyrille Rosay	EASA	Generally right direction, need to consider Part – AISS, will standards be mature enough for AMC
Claudio Henrique de Castro	Embraer	General direction so far so good
Seth Stewart	ENSCO	No feedback on current progress
Anna Guégan	EUROCAE	Technical Programme Manager
Hannes Alparslan	European Defence Agency (EDA)	In the current circumstances – good discussions, ED204A good progress, challenges in the ISEM document, work required to make them AMC's
John Flores	Federal Aviation Administration	Believe made good progress this week,
Varun Khanna	Federal Aviation Administration	Has been good work done by folks in presenting and handling this meeting, ED204A,355A is in a decent shape, ISEM document needs some work, make concern is what is produced is not prudent
Cesar Gomez	Federal Aviation	No feedback on current progress

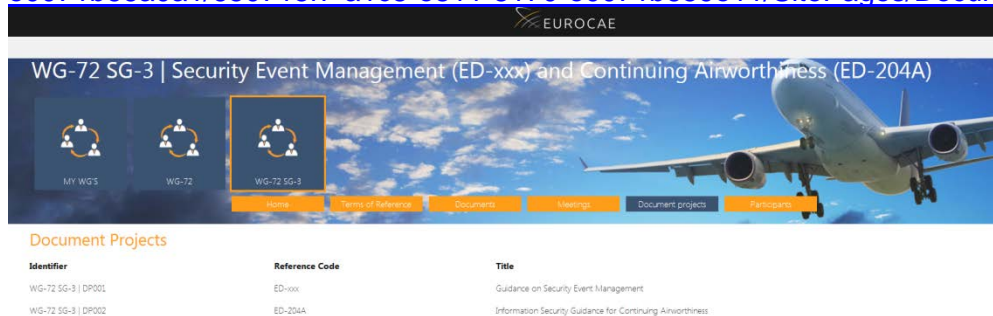
	Administration	
Markus Labay	Federal Aviation Administration	
Shohreh Safarian	Federal Aviation Administration	No feedback on current progress
David Pierce	GE Aviation Systems UK	Will be pushing for the schedule but good progress on the documents, need to try and solve 80% of the problem for the ISEM
Stefan Schwindt	GE Aviation Systems UK	Working group leader for ED201A, generally going in the right direction, the concern is how usable the documents will be, so there is less negotiations, ISEM needs to be suitable for all elements, and we have a lack of participation from Airport and ATM EASA has some proposal to extend the timeline
Andy Boff	Helios	SG4 Secretary, No feedback on current progress
Sam Masri	Honeywell International	RTCA 216 Secretary, We have had good interaction but lots of work ahead
Dongzong Zeng	MITRE	
Richard Duriez	NATO	NATO has a cyber defence policy and has found interesting processes in the documents, and they don't want to reinvent the wheel. Currently has DO-355
Ernie Condon	National Institute for Aviation Research	No feedback on current progress
Ted Kalthoff	National Institute for Aviation Research	Discussions useful looking forward to future discussion
Philip Watson	Panasonic Avionics Corp.	Main concern is whilst we agree in improving overall aviation security; we are concerned that we may be including as regulatory requirements what are not aircraft safety-related security practices/requirements. Doing so would only increase costs and decrease speed of response to operational security issues.
Philippe Robert	PMV Engineering	Interesting progress has been made
Karan Hoffman	RTCA	SC-216 Director RTCA
Ravi Nori	Teledyne Control	Good progress
Adrian Waller	Thales Group	No feedback on current progress
Frederique Dauvillaire	Thales Group	Secretary SG3, Good progress on ED204A, Good discussion on ED-XX need to refine the content of the document believes we will have a positive document
Brittany Skelton	The BOEING COMPANY	There are challenges on scoring and disclosures, and some outstanding concerns on ED204A so need to see proposed text
Marta Slomin	Triumph Engine Controls	Heading in the right direction
Casey Theisen	United Airlines	No feedback on current progress

- CR gave an overview of the WG72 structures. There are currently two groups in operation

at the moment SG3 and SG4. If you want to contribute to these groups please contact the SG Secretaries as there are a lot of other activities than these joint meetings. Also CR mentioned that SG62 may restart activity by end of this year.

SG3 Report – Led by Frederique Dauvillaire
See slides in the SG63 Meeting #56 slideshare Eurocae

- ED-204A / DO-356A
 - Consultations was opened from Dec 2019 to 1 Feb and all the comments received were posted
 - All comments reviewed by order of priority NC and H
 - For M & L there will be a submission A final webex will be launched for final resolution of comments with mandatory written proposition of counter proposition
 - So how and when will people see what the full document looks like with all the comments in situ
 - You will have a clean version and a changed tracked version and the comment spreadsheet. Dave Pierce believe it will be two to four weeks but this needs to be confirmed
 - SS – Do we believe we can do this in one webex , as long as not too many disagreements – Yes
 - CR – Can we have a timeframe
 - FD – Yes and final NC and high in two weeks and at the same sort of period the Med and Low so we can start to review then, and have a webex after that. SO one month the changes for the new document then down to the editor to incorporate and include
 - CR – If there is no written resolution what is the proposal, each leader has commented on the comments and the leaders of the comments will handle this including rejection of comments
 - PM- will you write whether comments are rejected
 - FD – Yes
 - KH – When to you expect to be complete for resolution
 - FD – Two months – and still aiming for approval for the June Plenary
 - FD after meeting you will get the slides, excel file and everything will be posted in the EUROCAE workspace
 - PM – Cant find the information
 - FD sent links in chat
 - ED-204 Excel file with Original comments are there
 - ED-204 Document workspace
- In SG-3 /ED-204A workspace (subgroup SG-3 / **Document project** / Ed-204A)
- <https://eurocae.sharepoint.com/sites/strato/01db9e1c-9ec8-e811-8154-e0071b66a0a1/650715f7-a1c8-e811-8170-e0071b659e11/SitePages/Documents.aspx>



- Excel is also Minutes of meeting #56 and also slides with H & NC are posted here :
- In SG-3 /meeting workspace (subgroup SG-3 Meeting and the meeting 56)
- <https://eurocae.sharepoint.com/sites/strato/01db9e1c-9ec8-e811-8154->



- ED-XXX / DO-ISEM
 - Revised TOC Table of content has been submitted to the group for review during session
 - Original proposal of revision is here ([Meeting space SG-3 webex January2020](#))
- <https://eurocae.sharepoint.com/sites/strato/01db9e1c-9ec8-e811-8154-e0071b66a0a1/54493642-2d3d-ea11-a812-000d3ab11b53/SitePages/Documents.aspx>
 - Do we need a webex to validation the TOC and then assign and develop the contents?
 - DP – Yes we need another webex as there is not enough consensus yet
 - FD – Excel to be generated based on comments today
- Way Forward ED204A/DO-255A and ED-XXX/DO-ISEM
 - ED204A – Have document ready for approval in June
 - ED-XXX Need to finalise the table of contents, There is a need for more contributors but the plan is to have another document ready for June
- Comments and questions
 - FD question for Cyrille
 - How is the relationship to be developed with the other working groups, and it is proposed that there will be a dedicated quarterly meeting to coordinate
 - CR – I am starting to make contacts with the other groups and there is also the ESCSG group which has a list of standards around information security
 - SS – The next ECSCG meeting is in June and that will give an overview of the standards they are tracking
 - PW and LL – Raised to working groups ED – 117 and WG-108 and also whether there is an RTCA equivalent
 - KH – Most don't have an RTCA equivalent
 - BH – What happens if the plenary meeting in June cannot be face to face, will be another webex meeting and if not face to face do we lose the risk of losing content
 - DP – Always a risk you would lose content, we have to do our best in the timescales and the current circumstances
 - SS – Made a request for more hours if we go Virtual webex for the next meeting due to the inefficiency of the webex process
 - DP – The meeting scheduled in June is going to be all five days so people should not leave early
 - CR – Whilst the use of webex is suboptimal he appreciates the contributions made this week
 - CH What date do you need the ED201A document
 - CR – For ED201A and as a result of the tabletop, whilst the feedback was interesting there is a need for more representative organisations. So more time should be given to work on ED201A and we should organise another Table top, with a more representative case study and attendees so that the guidance material can be tested again
 - DP – what participation support is their from RTCA for ED201A
 - CR -We are lacking Airlines and Airport participation and would be good to have SC-216 contribution
 - SS Tabletop exercise was primarily a European exercise due to Part AISS
 - CH Many of us have operations at Europe, too
 - SS Next tabletop can try to accommodate other timezones and it will depend on whether if it is virtual or physical

- CR Proposes to move the ED201A Open Consultation to September and publish in March 2021, this will mean a change in the TOR

SG4 Report – Led by Stefan Schwindt

- ED-201A / DO-???
- We have had the validation exercise and we now need to engage with the existing section leads to update the sections and see if the existing schedule can be maintained
- CG – If the sections slip a month could have an issue with the table top in a month
- SS – May need to postpone table to a month and a half
- SS - SS/AB to take an action to talk to the section leads about the revised schedule and agree way forward
- SS - The use case to be used in the Table top will need to take into account all the organisations we need
- SS – When will the next ECSP meeting take place
- CR no information to date (updated post meeting: the ESCP meeting planned 31/03 to 2/04 was cancelled because of COVID-19 and no date has been yet definitively decided for the next rendezvous but it is expected to have it organised via teleconference during the second half of April.)
- SS This needs to be known as we need to align with the ECSP
- SS If there is a schedule slip there is an opportunity to now take into account – ISMS or have a translation table for the maturity tables

EUROCAE SGs and RTCA Harmonisation

- Scope and EU-PART AISS
 - CR gave an overview of the European context of Part – AISS which includes organisations and the standards we are working in today, and in particular ED201A which is expected to form part of the guidance
 - Note for harmonisation ED205 as RTCA don't have that equivalent document so we need to take that into account
- Glossary status
 - Update on EUROCAE ER-13 (Clive)
 - CG - Document has been updated to reflect the published joint documents
 - DP - Any concerning about releasing the document
 - No concerns so we can proceed to publish
 - The document will be updated as each new EUROCAE document is published with the latest definitions
 - The decision to publish was put to vote by the attendees there were no objections to publication and the consensus was to publish the document
 - The vote was done using the “rise hand” tool and managed by the host of the webex at that moment, Dave Pierce. Two questions were asked, first if there is any opposition to publish (no hands for opposition), second, who agrees to publish (26 hands yes, 6 abstain).
 - RTCA sc-216 new glossary document status
 - KH – This has been raised a number of times but as yet has not received a satisfactory answer, they are still looking for a solution that does not need to go through FRAC
- Document schedules: are we still on track?
 - DP Comment on the schedules – he believes we are still on track
 - CR – Documents should be on track – ED201A will be challenging

AOB

- Future Meeting Schedules
- The current schedule is below
- Their will need to be discussions with the leadership team to monitor the current situation

- and plan the way ahead
- CR – SG3 and SG4 Have Webex been prepared for your future meetings?
 - JG – For SG3 Not yet
 - SS/AB – For SG4 we will take an action to have a meeting next week with the section leaders which will include the schedule. Agree to organise a small webex
 - KH, AG, DP, CR – Thank you to all the attendees for your support

During the schedule discussion advice is given to the audience that the next F2F in Washington DC will require **4 to 5 days of full activity**. SG-4 F2F will also be covered that week too as long as SG-3/SG-4 sessions and WG72 plenary.

June 1-5, 2020	Joint WG72 SG3/SG4 / SC-216 F2F (RTCA DC)
September 14-18, 2020	SG3/SG4 - DO-xxx/EDxxx FRAC/OC Committee Review Disposition (EUROCAE Paris ED201A Prep for FRAC/OC
December 7-11, 2020	DO-xxx/EDxxx FRAC/OC Disposition Meeting (Atlanta or Brazil or RTCA DC)

FRAC and publication date

FRAC and open consultation of the documents as per current discussion :

- ED201A
 Publication ~~Dec 2020~~=> March 2021
 Ready for FRAC and open consultation in ~~June 2020~~ now Sept 2020

- ED204A
 Publication ~~March 2020~~ => next plenary F2F June 2020
 Open Consultation ~~November 2019~~ => December 2019 Completed

- ED-XX
 Publication March 2021
 Open Consultation Nov 2020 tbc