



EUR 258-20 / WG121-04
RTCA: 264-20/SC241-005

DATES: Friday, September 18, 2020, 9:00 AM - 3:00 PM.

LOCATION: Virtual WebEx Contact the POC for connection details.

POINT OF CONTACT: Contact Al Secen by email asecen@rtca.org, telephone 202-330-0647, or mailing address RTCA, 1150 18th Street, NW, Suite 910, Washington, DC, 20036.

Friday, September 18, 2020

1. RTCA/EUROCAE Policy Statements
2. Welcome and Introductions
3. Approve Minutes from Meeting 1
4. Identify secretary
5. Recap last meeting
6. Work groups update (presentation)
 - a. Document Review
 - b. Compatibility of Chemicals
 - c. Non-Chemical
7. Set up plan/goal forward
8. Date of next meetings
9. AOB
10. Adjourn

Attendees (extracted from WebEx Attendee List):

David Baron ALPA
Jonathan Saltman
Patrick J. Guerin
Ashley O'Brien
Lucien Bourlegat
Patrick Guerin
Chad Johnson, Transport Canada
Marie Laure Moulard
Bryan Moran
Stephen Yates
Jeff Gardlin
Candace Kolander
Sebastian Reschenhofer
Eric Straw
Henning Baron
Jon Fifield

Judith Ritchie
Michael Krenz
Harold Summers
Scott Gandy (FAA SEA AEG)
Adam Novish, AFA
Chloe Shen Morosetti (UAL)
Shohreh Safarian
Andy Cebula
Jeff Densmore
Stefania Tomasini
Marcelo Queiroz
Mike Medeiros
Manfred Mohr
Janis Vegers
Pluhackovai
Daniel White



Chad Balentine
Enzo Canari
Bill Tyson
Odhiamboc
Celley Buchanan
Al Secen (RTCA)
John Taylor ALPA
Di Reimold

Charles Leocha
Travis Ludwig
Clsch
Paul Mcgraw
Jim Sampica
Hal Adams
Bob Ireland (A4A)
Nobuyo Reinsch

1 RTCA/EUROCAE Policy Statements

Al Secen (AC) and Sebastian Reschenhofer (SR) read IPR and membership policies of both organisations.

2 Welcome and Introductions

AS conducted a tour de table to introduce the members and new participants.

3 Approve Minutes of Meeting 1

AS showed the minutes and they were approved without any objections.

4 Identify Secretary

Patrick Guerin volunteered to act as committee Secretary.

5 Recap last meeting

Manfred Mohr (MM) recapped the last meeting, pointed out the 3 SGs and mentioned the shortened OC/FRAC time of 28 days.

The most important points is to avoid duplication by any means and work as fast as possible due to the tight schedule and urgent need of cleaning standards.

Chloe Shen Morosetti (CSM) mentioned the discussion of the timeline and described the SGs and their leaders in detail.

Both chairs thanked the plenary for their support and participation in this very important activity!

6 Work groups update (presentation)

6.1 Document Review

Iva Pluhackovai (IP) showed the participants list and gave a status report of SG-1.

IP showed the current list of documents on the RTCA workspace and encouraged the members to keep this list up to date.

After that, a SG structure was proposed. Task for the plenary was to allocate a team for the SG.

Nobuyo Reinsch (NR) explained point 9 on disinfection.

Comment of MM: alignment of approved chemicals is very important!



IP mentioned that the main scope of the WG is on Covid/diseases in general

The plenary agreed as way forward that all SGs present their topics and after that a discussion of all topics will be launched.

6.2 Compatibility of Chemicals

John Taylor (JT) gave an update of SG-2, JT discussed the working meeting notes regarding participants in the cleaning process, scalability of the process used to clean, and areas (for cleaning) that should be addressed by the document.

The presentation then presented a list of chemicals that should be considered for the process as well as the risks and education required for applying them.

It was observed that there are additional skills required by the WG to complete their work. There is a request for CDC, NIOSH assistance.

Comment IP: The level of training that the WG was pursuing was queried. – The WG is planning on general oversight rather than being too specific.

Comment IP: What does disinfect mean for cleaning, so WG1 did not go to that level. Allow the product manufacturers to specify the details. – Apply best practice and rely on the SME (to be added to the committee) to fill in the details.

Comment IP: What level of procedures will the document go to? -- Follow the manufacturers' directions; there are too many chemicals to make it easy to specify; Use best practices

Comment Jeff Gardlin (JG): In speaking with the EPA, details of application of chemicals is crucial to whether the chemical will be approved. It is variable by chemical., Perhaps identify key parameters (quantity, time, application technique). Unless you use the direction approved by EPA, you can't take credit for cleaning/disinfecting. – Will need a list of definitions to make the process work.

Comment Steve Yates (SY): How does an airline decide if a chemical will cause damage to the interior of the AC. Will that be included? -- Need to have manufacturer brought in during the SRA.

Comment Brian Moran (BM): Boeing and other OEMs have specific guidance on what to use and what not to use on their aircraft.

Question to BM from JT: Are the OEMs involved in approving cabin cleaning agents? - Yes

Question Hal Adams (HA): Can Boeing's specifications be made available? -- Still talking to legal to get documents released.

Comment: IP: Is WG2 covering PPEs? -- Need WG1 presentations to so.

Comment IP: Are you looking at disinfection or cleaning or both? -- Disinfection only.

Comment IP: European CDC is also available.

CM: Request motion to state the committee focus is to focus on Disinfection rather than cleaning.
Motion: IP moves



Seconded: Paul McGraw (PM) seconds the motion
Objections: No objections

ACTION: RTCA to reach out to CDC and NIOHSI for SME to assist committee

6.3 Non-Chemical

Briefing by Hal Adams (HA) WG3 lead. First meeting the Tuesday before plenary.

Good representation from various industry partners is good. HA reviewed of material covered in the Tuesday working group meeting

Focusing on 4 non-chemical areas

- ECS HEPA & Related
- Ionization
- Ultra-Violet
- Thermal Disinfection

Still gathering information on identified processes. Working group is looking at a gate-to-gate problem space. Cargo is included in the discussion as it interacts with possibly infected persons. Looking at aerosol and surface pathogens. They also would like to discuss walk-on cargo.

Question CM: What is the lower deck passenger operations – Those are cargo areas.

Question MK: Is the group looking at the galley and toilet areas? ECS system is catch-all for all aircraft systems and that includes toilets and galleys.

Question: IP: Are you considering procedures and how to perform tasks? – How to make it effective is what drives the level of process documentation.

Question IP: Is PPE covered in this are? Yes

Question IP: Are you looking at airworthiness process/methodology? What are the steps or criteria to use each method? How often should the process be used and when? - Yes – if it's part of the AC, review to see if a TSO type of approval is required.

Comment CM: SRA should be recommended for every product regardless of existing certification.

Comment CM: If cargo is within workscope. Committee title is Cockpit and Cabin. Does the group believe the entirety of the aircraft should be included?

Comment JT: Yes it should be included.

Comment IP: Cargo should be in as previous to Covid, it was not included.

Comment JT: SRAs should be mirrored. Will WG3 be testing? Much testing data exists now. WG needs to discuss

Comment CM: Due to the timeline, there is not time for proper testing. But if testing results already exist, it can be included.



ACTION: Any request for existing material should be funnelled through EUROCAE and RTCA for permission to cite

Comment CM: Can Iva put together a list of required material. – The list already exists and is loaded on the workspace

Question IP: Is training on the non-chemical solutions being discussed? – Yes, varying by the complexity of the technology.

Question IP: Does the disinfection deal with the air also (not just surface)? – Yes

Question IP: Is WG2 looking at chemical processes on the surface if not part of the manufacturers process? - Yes

Comment IP: Request a leadership meeting to discuss possible gaps and what is the scope of the document. Include the document editor Steve Jangelis (SJ)

7 Set up plan/goal forward

Each team was asked to summarize today's discussion and explain the next steps they are planning (working group meetings)

SJ posted the outline for the final report- the plenary reviewed the outline.

Comment CM: Have an SRA section under each working group

Question JG: Are you applying SRA against the aircraft or the people who are using the disinfection or the passengers? – Everyone and everything dealing with the disinfection.

Question AS: SRA will be a recommendation for SRAs not the actual SRA? - Correct – these will be recommendations for SRAs only

8 Date of next meeting

Review of the schedule and recommendation for the next plenary.

The date will be October 15, 2020 and this will be a virtual plenary only

The next plenary will consider releasing the document for Final Review and Comment

ACTION: RTCA to plan and schedule the next plenary session for October 15, 2020

ACTION: RTCA to set up a Doodle Poll for leadership meeting

9 AOB

Action item review was requested to be done through the meeting minutes

10 Adjourn

Motion to Adjourn

Motion offered: IP

Motion seconded: PM