



EUROCAE Paper No. EUR 169-18 / WG98-37
 RTCA Paper No. 160-18/SC229-032

Washington DC, 18th June 2018

**15th Joint EUROCAE WG-98 / RTCA SC-229 - Calling Notice “Aircraft
 Emergency Locator Transmitters (ELTs)”**

Date	Monday 18th through Friday 22nd June 2018 (5 days)
Place	Washington D.C., U. S. A.
Venue	RTCA, 1150 18th St, NW, Washington, DC 20036
Hosted	RTCA

Present:

First Name	Name	Company
AUDOUZE-CHAUD	XAVIER	EASA
BOUHET	ALAIN	OROLIA
BOYLE	ERIN	USCG
CRISP	CLAUDE	ECA GROUP ELTA
FISHER	JOHN	US FEDERAL AVIATION ADMINISTRATION (FAA)
FOSTER	ANTHONY	NASA
FUHRMANN	DAVID	USAF
GREEN	CHARISSE	FAA
HOFFMAN	CHRISTOPHER	ACR ELECTRONICS, INC.
HORIOT	CHRISTOPHE	AIRBUS
KHALIL	FADL	BOEING
LOSTRACCO	JOE	DRS TECHNOLOGIES CANADA LTD.
MORRISON	REBECCA	RTCA
PACK	THOMAS	ACR ELECTRONICS
PLANTIN DE HUGUES	PHILIPPE	BEA
SMITH	GREG	NTSB
ST-PIERRE	DANY	INTERNATIONAL COSPAS-SARSAT PROGRAMME
TAYLOR	STUART	H R SMITH GROUP
THEODORAKOS	GEORGE	NASA
PALMER	JAMES	TRANSPORT CANADA
MCCURRY	CHRIS	RADIANT POWER CORP

WEBEX:

LEMON	DAN	NOAA
SENL	AHMET	AIRBUS
VON GROOTE	ANNA	EUROCAE
DENSMORE	JEFF	RADIANT POWER CORP
THIEDMAN	EDWIN	USCG
WANG	MINGWEI	COMAC AMERICA

Day 1 – Tuesday 18th June 2018 (9:15 AM – 5 PM)

1. Welcome/Introductions/Administrative Remarks/DFO FACA Statement

Tom Pack welcomed everyone for the 15th joint RTCA SC-229 and EUROCAE WG-98 meeting.

Rebecca Morrison gave a presentation discussing that the FAA was no longer chairing the advisory committee. She discussed the anti-trust policy and the forthcoming retirement of Margret from RTCA.

Chris asked if the change to the FAA would affect the way the FRAC process works. Rebecca explained that it would continue the way it always has and is open to the general public. Announcements would be posted on the RTCA website (not federal register).

Rebecca announced that they don't envisage any changes to the way the group currently works, especially as SC229 are almost complete in their work.

Rebecca also reviewed the proprietary policy but explained that there is currently no proprietary information in the documents.

Rebecca discussed the Eurocae IPR policy and how it differs from RTCA on behalf of Anna.

Rebecca and Anna reviewed the membership policies of RTCA and Eurocae, all of which can be found on the presentation posted on the web space.

Rebecca announced logistics for the week.

Tom asked for round table introductions and group members were asked to sign the attendance list.

2. Agenda overview and approval

Tom reviewed the agenda for the week.

He confirmed that the group would have the whole week as a plenary, he discussed the work that had gone on in the past few months, restructuring the document, inserting tests and that Philippe had sent out the latest copy for comments. He discussed that there weren't many replies but there are a few things to go through

It was discussed that if time permits, the group would have presentations on the Friday getting updates from other groups and industry.

Tom said that the group would need to analyse all of the comments received and will also talk about the Arinc label that hopefully could be used to trigger ELTs. He announced that they

recently had a meeting in Memphis and the group would receive an update from that during the week.

Tom discussed the proposed agenda from the onscreen slide:-

Day 1 – Monday 18th June 2018 (9:00 AM – 5 PM)

- Welcome/Introductions/Administrative Remarks/DFO FAA Statement
- Agenda overview and approval
- Minutes Toulouse meeting review and approval
- Week's plan
- Working Group of the whole meeting (rest of the day) to review the structure changes

Day 2,3&4– Tuesday 19th to Thursday 21st June 2018 (9 AM – 5 PM)

- Working Group of the whole meeting to review the structure changes

Day 5 – Friday 22nd June 2018 (9 AM – 4 PM)

- Action item review
- Consider a motion to open Final Review And Comment / Open Consultation on the revision to RTCA/DO-204B, EUROCAE ED-62B
- Future meeting plans and dates for formal FRAC / Open Consultation
- Presentations
- Other business
- Adjourn

The agenda was approved.

3. Minutes Washington meeting review and approval

Stuart provided an update of the minutes produced from the France meeting.

There were no questions regarding the minutes and they were considered to be accepted.

4. Working group Plenary (rest of the day)

Philippe said he received most of the comments in an excel spreadsheet, and wanted to work through the items through the week.

He described the work that had taken place since the last meeting in France, including:

The analysis by chair group of the TBD Editorial comments not reviewed during plenary.

The Version produced with all technical changes from Pre-FRAC period (except Ch 6) comments inserted and ready for structure changes (by 3 April).

Johns work, taking care of WebEx sessions to complete Chapter 6 ASAP (first WebEx 27 March 9 AM to 12 PM DC time).

Chris's action to provide a table of content in a format facilitating the movement of paragraphs (by 6 April).

Charisse and John s work to clean the FAA list of comments to determine which ones were still relevant in the light of discussion during the Toulouse meeting (by 6 April) and Chris proposal.

He announced that the goal was to give a draft document to Anna by Monday so she could make sure to formatting is correct for FRAQ to commence on the 1st July.

He said that the document needed to be published before the end of the year to enable EASA to publish the ETSO early next year.

Dany asked if there are plans for the FAA to introduce a TSO at the same time. Charisse said they may publish around March.

The Working group commenced work to review all comments that had been submitted to Philippe as a plenary session, starting at chapter 1.

Day 2

The Working group continued to answer the comments received during the Pre-FRAC / Pre-Open Consultation for the day.

Day 3

The Working group continued to answer the comments reviewing specifically chapter 6.

Day 4

The Working group continued to answer the comments reviewing chapter 6, followed by the rest of the comments from Philippe's spreadsheet.

Day 5

Tom welcomed everyone back as a plenary and discussed the day's agenda starting with the presentations in the morning.

- Interface with ARINC group: Tom Pack et PPH
- Doc10054 update: PPH
- MASPS for RLS: Alain
- Cospas-Sarsat briefing: Dany
- Briefing on formal Open consultation and FRAC processes
- Future final meeting plans
- WG of the whole: Review comments received

Presentations commenced.

ARINC Presentation: Tom Pack

Tom discussed the work of the Arinc group, discussing the autonomous distress tracking, looking at the requirements, architectures etc. Phase 2 was to generate specifications and phase 3 getting the characteristics looking at hardware, defining pin outs, box sizes etc.

He discussed the meeting in Memphis the previous week. Fadl summarised the meeting discussing that they have to review the hex ID with regards to labels and maintenance labels which needs to be addressed in the next meeting. Greg gave an update on the timely recovery, discussing that it has a different timeline and that they are doing a requirements review, mapping all of the requirements to see how they get supported. Next stage is to do an interface requirement and work the same way as the ADT group are working.

Next meeting is in mid-August.

Presentation can be found on the Web space.

Doc10054 presentation: PPH

Philippe discussed the ICAO manual and doc10054, providing additional information regarding annex 6.

He announced that ICAO are making editorial changes to the document supplied by the group and that the document will be used worldwide to assist in the installation of ELT's.

The document should be published before the end of July. It will be an un-edited document but will be available on the ICAO website.

Presentation can be found on the Web space.

MASPS for RLS: ALAIN

Alain gave a presentation WG-98 discussing the kickoff meeting two months ago, complementing MOPS ED-62B and MASPS ED-237.

He described how they will define a detailed specification of Cospas-Sarsat RLS System dedicated to ELTs, demonstrate the robustness of the downlink (RLM), security aspects and concept of Operations.

Alain announced that their target is to deliver the MASPS by end of 2019

QUESTIONS

Fadl asked if he could join the group and how he needs to do it. Philippe explained that you have to be a Eurocae member and if you are you can register and either attend the meeting or review the share point.

Presentation can be found on the Web space.

Cospas-Sarsat Presentation: Dany

Dany gave an update for the relevant Cospas Sarsat updates from the Program discussing the development of the MEOSAR System infrastructure, and initial operation capability, the development of Second Generation beacons and the development of new capabilities such as the use ELT-DTs and RLS.

He discussed the maintaining of its LEO-GEO System operational capability and continuing support towards the current generation of beacons.

He discussed meetings that had taken place and future meetings and the update of standards.

Presentation can be found on the Web space.

Discussion to launch FRAC/OC process

Anna and Rebecca gave a presentation on the FRAC process used for completing a joint document.

Presentation can be found on the Web space.

MOTION

A motion was considered to initiate open consultation/FRAC on the draft of DO-204B/ED-62B as it stands at the end of the meeting today was proposed, seconded and approved by the joint committee.

Future meeting plans and dates.

It was agreed that the next meeting would be held at EUROCAE, 9-23 Rue Paul Lafargue, 93210 Saint-Denis, FRANCE from Tuesday 28th through Friday 31st August 2018

Other business

No other business

Adjourn

Tom and Philippe thanked everyone for their work and RTCA for hosting the meeting.

Meeting closed 15:00

List of Plenary Actions:-

ACTION NUMBER	ACTIONNEE	ACTION	STATUS
Action 1	Philippe	To send final document to Anna and Rebecca to initiate FRAC	Open