

MINUTES of MEETING No. 1 of WG51/SG 1 (1090 MOPS)
of EUROCAE held on the 17th and 18th October in Paris

Present:

P. RUAULT	(PR)	EUROCONTROL	(Chairman)
D. SPALDING	(DS)	RAYTHEON SYSTEMS LTD.	
P. PONSOT	(PP)	AIRBUS FRANCE S.A.S	
G. SAINTHUILE	(GS)	EUROCAE	
F. GRIMAL	(FG)	EUROCAE	
F. ZIEGLER	(FZ)	CIMS GMBH	(Secretary)

Apologies:

P. BRUN	(PB)	EUROCONTROL	
K. HALLWORTH	(KH)	CAA-SRG	
J. SANTOS	(JS)	INDRA	
D. KUNZE	(DK)	BECKER AVIONICS	
E. PUPILLO	(EP)	MARCONI	
J. ROUMIER	(JR)	THALES	
J.-Y. PIERRE	(JP)	THALESATM	
P. CAISSO	(PC)	STNA	
P. FOUASSIER	(PF)	THALES	
P. GAYRAUD	(PG)	THALES AVIONICS	
V. SOTONA	(VS)	ERA	

1 Introduction and approval of agenda

PR acted as a standing chairman of SG 1. The agenda was approved. The minutes of the kick-off meeting of SG1 were reviewed and approved for correctness.

2 Report of the last RTCA meeting

PR reported from the recent RTCA SC-186 working group meeting which was held in Brussels end of September 2002. He mentioned that the implementation of 1090 ADS-B is currently prepared in the U.S. He added that however only a subset of the 1090 MOPS (DO-260) is considered.

RTCA SC-186 (1090 MOPS) is investing a considerable effort into the development of an upgrade to DO-260 reflecting results of trials, studies, and also from updated ADS-B MASPS. RTCA SC-186 is currently finalizing DO 260A and has requested the view of a EUROCAE group. A review of the DO-260A changes is therefore the short term objective of the work of WG51/SG1.

FG added that EUROCAE has chosen not to work on MOPS as long as the related MASPS are being developed, because of the dependency of the 1090 MOPS on the MASPS.

In contrast to the U.S. situation there is currently no firm decision in EUROPE to implement ADS-B. Therefore the European involvement on the DO-260A work was very minor in the past. The interest on ADS-B has meanwhile increased in Europe. The focus will however more be on air-ground applications, rather than air-to-air applications.

3 Nomination of the SG1 chairman

PR asked if members of the group would like to become the chairman of SG1. No nomination was made. PR therefore proposed to take over the chairmanship himself for the time being. This was agreed by the group and PR was nominated as the chairman of SG1.

4 Terms of Reference

The terms of reference were discussed (WP51SG1/1/2) and changed as follows:

Terms of Reference of SG1

- Co-operate with RTCA SC 186 – WG3
- Review of amendment proposed by RTCA related to DO-260
- Produce comments for December 2002
- If appropriate, consider the later update of Eurocae ED-102 MOPS

The modified TOR was accepted by SG1.

5 Task description

PP indicated that the draft of DO-260A will still be changing while SG1 reviews it. He asked if SG1 review should not always take into account the latest Draft of DO-260A.

FZ replied that this would result in no stable review baseline and could thus make the review results inconsistent. He therefore recommends to base the review upon one particular version of the document and perhaps update the review results when the last version of the document is issued at the beginning of December.

This approach was agreed upon.

To download the draft of DO-260A and its appendices enter the following website:

<http://adsb.tc.faa.gov/ads-b/186-subf.htm>

Click on WG#3 and move page to the bottom. Download all files contained of the work in progress of WG-3 section (Draft 4E of the document and the related appendices).

PP mentioned that it was technically difficult for them to download large files.

Action 1/1: FZ to send the review documents in a ZIP file to PP

6 Work organisation

For each working meeting members shall prepare written comments using the comment table template attached to these minutes. The comment papers will then be reviewed and discussed at the next working meetings. Comments may be modified or revised during the working meetings based on the discussion results. The revised comments will be entered into a consolidated list of comments which will be maintained by the secretary. This consolidated comment list will finally be submitted to RTCA SC-186.

7 Review of comparison matrix

WP51SG1/1/1 (comparison matrix between DO-260 and DO-260A) was reviewed and individual sections were allocated to individual members of SG1 for review, as defined by the following actions. It is foreseen to primarily concentrate on the changed, replaced and extended paragraphs as indicated in the comparison matrix. However everybody should feel free to make comments on other areas as well if time allows this.

Action 1/2: PP, DS to review sections 2.2.3.2 - 2.2.3.2.1.7 of Draft 4

Action 1/3: PR, PB to review sections 2.2.3.2.2, 2.2.3.2.3.1.1, 2.2.3.2.3.1.2, 2.2.3.2.7 - 2.2.3.2.7.1.4, 2.2.3.2.7.1.9 - 2.2.3.2.7.2.4.4, 2.2.3.2.7.3.3.1 - 2.2.3.3.2.12 of Draft 4

Action 1/4: PG, PC, PP to review sections 2.2.3.2.6.3.6, 2.2.3.2.6.3.7, 2.2.3.2.6.4.6, 2.2.3.2.6.4.7, 2.2.3.2.7.2.5 - 2.2.3.2.7.2.14, 2.2.5.1- 2.2.5.2.17 of Draft 4

Action 1/5: PG, PC to review sections 2.2.8 - 2.2.8.2.18 of Draft 4

Action 1/6: PG to review sections 2.2.3.2.6.1.5, 2.2.3.2.6.2.5, 2.2.3.2.6.3.5, 2.2.3.2.6.4.5, 2.2.3.2.6.4.13, 2.2.17 - 2.2.17.4.6 of Draft 4

Action 1/7: PP, PC to review sections 2.4 - 3.3.6 of Draft 4

Action 1/8: DS, JP to review sections 2.2.3.4 - 2.2.4.5 of Draft 4

Action 1/9: KH to review sections 2.2.8.3 - 2.2.11.5.3 of Draft 4

Action 1/10: KH, PC to review sections 4.0 - 4.4.8 of Draft 4

Action 1/11: PG, PR to review Appendix A of Draft 4

Action 1/12: PP, PG to review 2.2.5.3-2.2.7.1.1, 2.2.12- 2.2.16.3 of Draft 4

8 Review of draft 4 of DO-260

WP51/SG1/1/3 (Section 1 of DO-260 A) was reviewed online. Findings were recorded by FZ in the initial list of comments. While this was done PP mentioned that the MOPS use "basic" and "enhanced" surveillance in a different meaning as used in EUROPE and that this could generate considerable confusion. A related comment was recorded.

Action 1/13: PP to input comments on the use of basic and enhanced surveillance.

DS had to leave early, before the appendices were reviewed.

Action 1/14: DS to review the appendices and make comments.

WP51SG1/1/4 (Appendix B), WP51SG1/1/5 (Appendix C), WP51SG1/1/6 (Appendix E), WP51SG1/1/7 (Appendix G), WP51SG1/1/8 (Appendix L) were reviewed online and comments were recorded by FZ.

The initial recorded comments will be presented at the next meeting and reviewed.

Action 1/15: FZ to prepare a working paper with the comments recorded during this meeting.

Since JR and PG were not able to attend the meeting, PR was asked to contact them asking them for a review of appendices.

Action 1/16: PR to contact JR and request that he reviews appendices E, L, I and M.

Action 1/17: PR to contact PG and request that he reviews appendix G.

9 Meeting schedule

Please note that the meeting date has been changed after the meeting by e-mail as written below !!

The next meeting will take place in **STNA Toulouse** on the **29th of November 2002**. The meeting after the next meeting is planned for the 10th December 2002 and will be held in Brussels just before the WG51 plenary meeting.

10 AOB

It was noted that several interested members of SG1 could not attend the first meeting of SG1. The absence of members is of disadvantage for the result of subsequent working meetings. It is therefore strongly recommended that everybody takes the chance to attend the next working meetings.

11 List of Actions

No	Actionee	Action	Status/close-out
0/1	PR	PR to distribute a list with all relevant material related to DO-260A review.	closed Material distributed
1/1	FZ	to send the review documents in a ZIP file to PP	
1/2	PP, DS	to review sections 2.2.3.2 - 2.2.3.2.1.7 of Draft 4	
1/3	PR, PB	to review sections 2.2.3.2.2, 2.2.3.2.3.1.1, 2.2.3.2.3.1.2, 2.2.3.2.7 - 2.2.3.2.7.1.4, 2.2.3.2.7.1.9 - 2.2.3.2.7.2.4.4, 2.2.3.2.7.3.3.1 - 2.2.3.3.2.12 of Draft 4	
1/4	PG, PC, PP	to review sections 2.2.3.2.6.3.6, 2.2.3.2.6.3.7, 2.2.3.2.6.4.6, 2.2.3.2.6.4.7, 2.2.3.2.7.2.5 - 2.2.3.2.7.2.14, 2.2.5.1- 2.2.5.2.17 of Draft 4	
1/5	PG, PC	PG, PC to review sections 2.2.8 - 2.2.8.2.18 of Draft 4	
1/6	PG	to review sections 2.2.3.2.6.1.5, 2.2.3.2.6.2.5, 2.2.3.2.6.3.5, 2.2.3.2.6.4.5, 2.2.3.2.6.4.13, 2.2.17 - 2.2.17.4.6 of Draft 4	
1/7	PP, PC	to review sections 2.4 - 3.3.6 of Draft 4	
1/8	DS, JP	to review sections 2.2.3.4 - 2.2.4.5 of Draft 4	
1/9	KH	to review sections 2.2.8.3 - 2.2.11.5.3 of Draft 4	
1/10	KH, PC	to review sections 4.0 - 4.4.8 of Draft 4	
1/11	PG, PR	to review Appendix A of Draft 4	
1/12	PP, PG	to review 2.2.5.3-2.2.7.1.1, 2.2.12- 2.2.16.3 of Draft 4	
1/13	PP	to input comments on the use of basic and enhanced surveillance.	
1/14	DS	to review the appendices and make comments.	
1/15	FZ	to prepare a working paper with the comments recorded during this meeting.	
1/16	PR	to contact JR and request that he reviews appendices E, L, I and M.	
1/17	PR	to contact PG and request that he reviews Appendix G.	

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Template for review comment table

The **reference** column should contain all information to find the commented text location in the document easily. Ideally it should be made in the following form:

"1.2.3 p2 l4" : meaning paragraph 1.2.3, second paragraph ("p2"), line 4 ("l4"). References to pages should be avoided as page breaking may change, so that the locations can no more be found.

The **comments** should best provide the rationale for a change as well as proposed changes.

Reviewed Version:	Draft 4E	Reviewer:	
No	reference	comment	
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