



FAS Topic Paper (FTP)		
TITLE	REVISION	REVISION DATE
FTP1033 Missing references in DO-333/ED-216 Annex FM.A <u>Table FM.A-10</u> and Annex FM.C <u>Table FM.C-10</u>	7	21 Sep 2022
ABSTRACT/PURPOSE: This FTP identifies missing references for Objectives 1 and 2 in Annex FM.A <u>Table FM.A-10</u> and Annex FM.C <u>Table FM.C-10</u> in DO-333/ED-216 and provides necessary clarifications.		
RELATED DO/ED DOCUMENTS: <input type="checkbox"/> DO-178C/ED-12C: SW Airborne Sys & Equip <input type="checkbox"/> DO-278A/ED-109A:SW (CNS/ATM) Systems <input type="checkbox"/> DO-248C/ED-94C: Supporting Information <input type="checkbox"/> DO-330/ED-215: Software Tool Qualification Considerations <input type="checkbox"/> DO-331/ED-218: Model Based Development & Verification Supplement <input type="checkbox"/> DO-332/ED-217: OO Technology and Related Techniques Supplement <input checked="" type="checkbox"/> DO-333/ED-216: Formal Methods Supplement <input type="checkbox"/> Other		
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FAS Team Definition and Goals:

The FAS user group monitors and exchanges information on the application of the following “software document suite” that was developed by joint RTCA/EUROCAE committee SC-205/WG-71:

- DO-178C/ED-12C - Software Considerations in Airborne Systems and Equipment Certification
- DO-278A/ED-109A - Software Integrity Assurance Considerations for Communication, Navigation, Surveillance and Air Traffic Management (CNS/ATM) Systems
- DO-248C/ED-94C - Supporting Information
- DO-330/ED-215 - Software Tool Qualification Considerations
- DO-331/ED-218 - Model Based Development & Verification Supplement
- DO-332/ED-217 - Object Oriented Technology and Related Techniques Supplement
- DO-333/ ED-216 - Formal Methods Supplement

The goals of the FAS user group are as follows:

1. To share lessons learned in the use of the RTCA/EUROCAE “software document suite” and to encourage good practices and promote the effective use of RTCA’s and EUROCAE’s publications.
2. To develop FAS Topics Papers (FTP) relative to RTCA’s and EUROCAE’s publications or other related aeronautical software industry topics. These FTPs may include clarification to the “software document suite” or a discussion on a new topic.
3. To identify and record any issues or errata showing the need for clarifications or the need for modifications to the “software document suite”.

The FAS user group does not have the authority to change the content of any approved RTCA/EUROCAE documents. Any publications of the FAS user group may be taken into consideration by a future RTCA/EUROCAE working group.

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Abstract / Purpose of the FAS Topic Paper:

This FTP identifies missing references for Objectives 1 and 2 in Annex FM.A Table FM.A-10 and Annex FM.C Table FM.C-10 in DO-333/ED-216 and provides necessary clarifications.

FTP Discussion:

DO-333/ED-216 indicates that Annex FM.A Table FM.A-10 and Annex FM.C Table FM.C-10 Certification Liaison Process is unchanged with respect to both DO-178C/ED-12C and DO-278A/ED-109A. However, Objectives 1 and 2 in Annex FM.A Table FM.A-10 and Annex FM.C Table FM.C-10 reference the Plan for Software Aspects of Certification (PSAC), which was modified in subsection FM.11.1 of DO-333/ED-216. This modification should have been indicated in Annex FM.A Table FM.A-10 and Annex FM.C Table FM.C-10 in DO-333/ED-216 by showing FM.11.1 as the reference for the Output of Objectives 1 and 2.

Applicants using DO-333/ED-216 should reference subsection FM.11.1 when complying with Objectives 1 and 2 in Annex FM.A Table FM.A-10 and Annex FM.C Table FM.C-10.