FAS Topic Paper (FTP)		
TITLE FTP1003 Tool Operational Requirements Validation	**REVISION** 2	**REVISION DATE** 31-Jan-2018
ABSTRACT/PURPOSE: The aim of this paper is to clarify the existing DO-330/ED-215 activity described in subparagraph 6.2.2.b. This activity is called out in Annex A Table T-0 objective 6.		
RELATED DO/ED DOCUMENTS: ____ DO-178C/ED-12C: SW Airborne Sys & Equip ____ DO-278A/ED-109A:SW (CNS/ATM) Systems ____ DO-248C/ED-94C: Supporting Information _**X**__DO-330/ED-215: Software Tool Qualification Considerations ____ DO-331/ED-218: Model Based Development & Verification Supplement ____ DO-332/ED-217: OO Technology and Related Techniques Supplement ____ DO-333/ED-216: Formal Methods Supplement ____ 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 (FTPs) 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:

The aim of this paper is to clarify the existing DO-330/ED-215 activity described in subparagraph 6.2.2.b. This activity is called out in Annex A Table T-0 objective 6.

FTP Discussion:

Question from Industry:

What is the activity described in DO-330/ED-215 subparagraph 6.2.2.b?

Answer from FAS:

DO-330/ED-215 subparagraph 6.2.2.b describes the following activity:

b. "Identification and demonstration of relevant process(es): The Tool Operational Requirements should demonstrate the coverage of the process(es) intended to be eliminated, reduced, or automated by the use of the tool."

This activity is a Tool Operational Requirements validation activity. Reviews and analyses should be performed on the Tool Operational Requirements to ensure that they are sufficient and correct to cover the process(es) to be eliminated, reduced, or automated by the tool as described in the Plan for Software Aspects of Certification (PSAC).

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