### FAS Topic Paper (FTP)

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### 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
- **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-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”.

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The text contained in this document is not to be construed as guidance, but is to be used for informational or educational purposes only.
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).