

This Polarion Extension provides all objectives, activities and lifecycle data of ED-12C / DO-178C (Airborne Software) and ED-109A / DO-278A (CNS/ATM Software).

It can be supplemented by supplemental considerations, e.g., ED-215 / DO-330 (Software Tool Qualification), ED-218 / DO-331 (Model-based Design), ED-217 / DO-332 (Object-Oriented Technologies) or ED-216 / DO-333 (Formal Methods).

DESCRIPTION

Software Assurance Extension

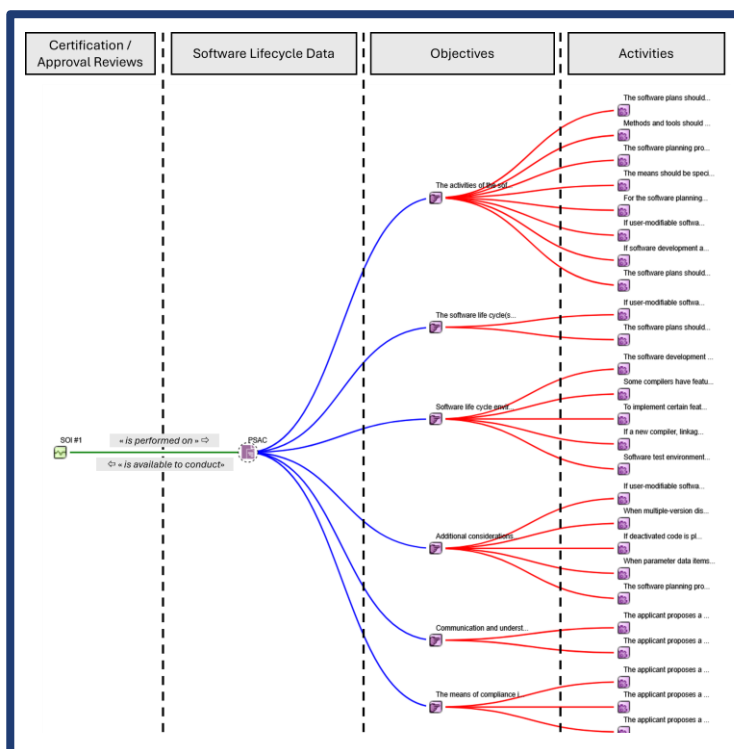
The following contents are included in this extension as Work Items, in support of Software Quality Assurance process activities :

- All **Objectives** from all processes (i.e., 10 Tables, for a total of 71 objectives) as published in Annex A of ED-12C / DO-178C,
- All **Activities**, as referenced by all objectives and as published in their respective Sections of ED-12C / DO-178C,
- All **Software Lifecycle Data** as published in Section 11 of ED-12C / DO-178C,
- All **Definitions**, as published in the Glossary of ED-12C / DO-178C.

Additionally, in order to support the **Certification Liaison** process, this extensions provides **examples of software assurance approval reviews** in the form of Stages of Involvement (SoI), as published by EASA Certification Memorandum [CM-SWCEH-002] or US DOT/FAA [Order 8110.49].

NOTE : these **generic** software approval reviews are intended to be **tailored** to the software lifecycle and have been included for historical reasons only.

Applicants are invited to consult EASA's approach for the definition of Level of Involvement (LoI), which regards the inclusion of risk-based compliance verification (Commission Delegated Regulation (EU) 2019/897, which Annex I is colloquially known as "Part 21"), since 2020.



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