

Qualification Software Life Cycle Data

The Qualification Software Life Cycle Data provides a set of reports addressing the development process of AbsInt tools. These reports are particularly useful for certification according to the DO-178 B/C standards by airworthiness authorities.

Details

Safety-critical embedded systems in avionics have to be certified according to the DO-178B/ED-12B before their deployment as required by airworthiness authorities. According to these two standards, all tools that are used for the development process of safety-critical systems need to be certified.

Besides the tool qualification, the development process of the involved tools has to be documented in several reports and data. The DO-178B standard calls them "Software Life Cycle Data". These address all areas of the development process from the planning up to the actual implementation phase.

AbsInt offers the "Qualification Software Life Cycle Data" as a separate product. It consists of all required reports and data sheets showing that our development process fulfills the needs specified by the DO-178B standard. So aiT, StackAnalyzer and Astrée tools can be employed for deriving safety-critical properties of avionics software.

Content

The Qualification Software Life Cycle Data consists of the following documents:

- Software Development Plan
- Software Verification Plan
- Software Configuration Management Plan
- Software Quality Assurance Plan
- Software Quality Assurance Record
- DO-178B Compliance Certificate

Availability

The Qualification Software Life Cycle Data is available for

- aiT,
- StackAnalyzer,
- Astrée for C, and
- RuleChecker for C

More information

- Visit our website: www.absint.com
- Speak with a product specialist:
call +49 681 383 600

About AbsInt

AbsInt provides advanced development tools for embedded systems, and tools for analysis, optimization and verification of safety-critical software. Our customers are located in more than 40 countries worldwide. We have distribution agreements with major software distributors in Asia, North America, Middle East, and throughout Europe.

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