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Rtca Do 178c

Certification of Safety-Critical Software Under DO-178C ...

The RTCA has recently released DO-178C and DO-278A as new certification guidance for the production of airborne and ground-based air traffic management software, respectively Additionally, RTCA ...

DO-178C: A New Standard for Software Safety Certification

Apr 26, 2010 · DO-178B Basics Software Considerations in Airborne Systems and Equipment Certification, December 1992, published by RTCA* EUROCAE** / ED-12B in Europe Comprises a set of 66 “objectives” (“guidelines”) for production of software for airborne systems • Reliability: System does what it is supposed to do ...

The Impact of RTCA DO-178C on Software Development

The Impact of RTCA DO-178C on Software Development By following DO-178C, organizations can implement aeronautical software with clear and consistent ties to existing systems and safety ...

Complete Verification and Validation for DO-178C

It represents a revision to DO -178B considering the experiences and information gathered for developing software for avionics The new document, entitled DO-178C (ED-12C), was completed in November 2011 and approved by the RTCA in December 2011 The new document became available for use in January 2012 The DO ...

Intland s Avionics DO-178C Template

systems industry is the general standard DO-178C (the updated version of DO- 178B), titled Software Considerations in Airborne Systems and

Equipment Certification (also known as RTCA DO-178C and EUROCAE ED-12C) While DO-178C ...

FAS Topic Paper (FTP) - RTCA

• DO-178C/ED-12C - Software Considerations in Airborne Systems and Equipment Certification • DO-278A/ED-109A - Software Integrity Assurance Considerations for Communication, consideration by a future RTCA...

VectorCAST for DO-178C and ED-12C

What is RTCA DO-178C; EUROCAE ED-12C DO-178C and ED-12C are equivalent standard definition documents (edited in issue B and C) with the title "Software Considerations in Airborne Systems and Equipment Certification" issued from RTCA ...

DO-178C compliance: turn an overhead expense into a ...

DO-178C is the international and de facto standard for certifying all aviation safety-critical software The need to comply with DO-178C can add significant cost to programs under development at a time ...

AC 20-115C - Airborne Software Assurance

Many FAA TSOs do not specify DO-178C for software assurance For TSOs that specify a version prior to DO-178C, or do not specify any version of DO-178, we recommend that you use DO-178C If you use DO-178C ...

DO-178B/C Differences Tool

DO-332 Object-Oriented Technology and Related Techniques Supplement to DO-178C and DO-278A, December 13, 2011 DO-333 Formal Methods Supplement to DO-178C and DO 278A, December 13, 2011 10 Introduction 11 Intended audience 111 The user of this tool is assumed to have a good working knowledge of DO ...

RTCA, Inc.

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DO-160G DO-178C DO-254 RTCA, Inc has teamed with Wichita State University's National Institute for Aviation Research (WSU-NIAR) to offer high quality training covering RTCA's DO-160G, Environmental Conditions and Test Procedures for Airborne Equipment The course will provide an understanding of the use of DO ...

A Model-Based Agile Process for DO-178C Certification

The FAA currently utilizes the RTCA DO-178C standard for certification of airborne software[7] Rather than mandating a particular process, DO-178C -oriented objectives dictated by the criticality of the software to safe operation of the aircraft Some examples of DO-178C ...

Object-oriented Software Considerations in Airborne ...

DO-178 zRTCA SC-145, May 1 – Digital Avionics Softw Digital Avionics Softw zEUROCAE WG-12, 19 – ED-35 Recommendation and Documentation f zEUROCAE and RTCA guidance zDO-178 published in J ...