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off-putting.

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DO-178C, Software Considerations in Airborne Systems and Equipment Certification is the primary document by which the certification authorities such as FAA, EASA and Transport Canada approve all commercial software-based

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aerospace systems.

DO-178C - Wikipedia

DO-178C: A New Standard for Software Safety Certification 5a. CONTRACT NUMBER 5b. GRANT NUMBER 5c. PROGRAM ELEMENT NUMBER 6. AUTHOR(S) 5d. PROJECT NUMBER 5e. TASK NUMBER 5f. WORK UNIT NUMBER

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7. PERFORMING ORGANIZATION
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PERFORMING ...

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

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The international standard titled DO-178C - Software Considerations in Airborne Systems and Equipment Certification is the primary standard for commercial avionics software development.

Introduction to DO-178C - SAE International

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DO-178C compliance: turn an overhead expense into a competitive advantage. Contents. 2. Executive summary. 2. The cost of designing and building safety-critical systems. 2. DO-178C characteristics. 6. IBM® solutions to support DO-178C compliance. 11. Why IBM? Executive summary. DO-178C is the international and de facto standard

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for certify-

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DO-178C is an update to the DO-178B standard and contains supplements that map closely with current industry development and verification practices including: Model-Based Development

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and Verification (DO-331) and Formal Methods (DO-333). Tool qualification is addressed in DO-330.

DO-178C and Related Standards - MATLAB & Simulink

RTCA DO-178C, Software Considerations in Airborne Systems and Equipment Certification. RTCA DO-248C, Supporting

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Information for DO-178C and DO-278A
Plus attendee's choice of: DO-330,
Software Tool Qualification
Considerations. DO-331, Model-Based
Development and Verification
Supplement to DO-178C and DO-278A

**Course Fees and Materials - 178C |
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do-178c.org - Certification Services, Inc.

DO-178 is the de facto international

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safety standard used to certify commercial avionic system software; it is increasingly used in other sectors and applications. DO-278 is derived from DO-178 and used for ground-based and space-based software. DO-178C and DO-278A are the current versions.

DO Qualification Kit (for DO-178) -

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MATLAB & Simulink

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 in lieu of a specified earlier version, you should request a deviation in accordance with the requirements of 14 CFR part 21, subpart O.

AC 20-115C - Airborne Software Assurance

RTCA & FAA. Founded in 1935 to be the voice of the aviation industry, RTCA is chartered by the FAA to operate federal advisory committees, and serves as the premier venue for developing consensus among diverse, competing interests,

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producing performance standards, policy and operational recommendations that are used by the government as the basis for regulations, as well as priorities for ...

Home | RTCA

Software Development By following DO-178C, organizations can implement aeronautical software with clear and

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consistent ties to existing systems and safety processes and address emerging trends and technologies across the industry.

The Impact of RTCA DO-178C on Software Development

Thank you AFuzion: your combined ARP4754A, DO-178C, and DO-254 Gap

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Analysis and Planning

Templates/Checklists are extraordinary – worth 10X what we paid. Ahmet T. Turkey. We love the detailed weekly status reports from your four engineers helping us develop better systems – my team has increased their productivity 25% because of you.

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Home - AFuzion

The FAA applies DO-178B as the document it uses for guidance to determine if the software will perform reliably in an airborne environment, when specified by the Technical Standard Order (TSO) for which certification is sought.

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DO-178B - Wikipedia

DO-178C is the primary document by which the certification authorities such as FAA, EASA and Transport Canada approve all commercial software-based aerospace systems. More recently, it has also become the de facto approach for the use of software in military avionics systems worldwide. DO-178C

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Verification

What is DO-178C testing? | Rapita Systems

The standard DO-178C "Software Considerations in Airborne Systems and Equipment Certification" is the commonly used standard for softwares in the avionics industry.

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DO-178C - Verifysoft Technology GmbH

The second edition brings this book up to date on C, the latest version of DO-178. It describes the impact on the earlier document in the practical style of the authors, who have a combined experience of 50 years in avionics

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certification. The book is the result of seminars given throughout the world for over ten years.

Avionics Certification - Complete Guide to DO-178, DO-178C ...

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on site, customized or whatever your company needs. Whether it is hardware or software, it is impossible to just read the DO-254 or DO-178C standards and understand what truly needs to be done.

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