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What Are the Most Popular Real-Time Operating Systems?

GNAT Pro Assurance is a complete Ada solution for projects with the most stringent requirements for reliability, long-term maintenance or certification. Read More » GNAT Pro Enterprise is a complete development environment for producing critical software systems where reliability, efficiency and maintainability are essential.

DO-254 - Wikipedia
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-178B was first published in December 1992 by RT CA, Incorporated. The document outlines the guidelines used by organizations

Safety-critical RTOS from Green Hills Software gets green light from ...

configurations. Therefore, tailor the total set of criteria to identify a complete (necessary and sufficient) subset of applicable airworthiness criteria, creating the system's certification basis. This certification basis should befully documented and maintained under strict configuration control. Tailoring rules are as follows: a.

DO-178B - Wikipedia

The PU-3000 was the first multicore avionics computer to receive TSO authorization by meeting DO-178C and CAST-32A multicore objectives to the highest Design Assurance Level (DAL A). The INTEGRITY-178 tuMP safety-critical RTOS from Green Hills Software is the only operating system to be part of a successful multicore certification to DO-178C ...

DEPARTMENT OF DEFENSE HANDBOOK - Dayton Aerospace

As mentioned, Lynx has been building RTOSes for more than 30 years. Our LynxOS-178 ® RTOS is a native POSIX ®, hard real-time partitioning operating system developed and certified to FAA DO-178B/C DAL A safety standards.It is the only Commercial-off-the-Shelf (COTS) OS to be awarded a Reusable Software Component (RSC) certificate from the FAA for re-usability in DO-178B/C certification projects.

Job Details | Textron

Maintenance Manual. 1 9 9 6 & O N--- OV Member of GAMA MOE 172 COPYRIGHT 1996 CESSNA AIRCRAFT COMPANY WICHITA, KANSAS, USA 2 DECEMBER 1996 172RMM15 ---REVISION 15 1JUY20 1 JULY 2007 172RMM15 CESSNA AIRCRAFT COMPANY MODEL 172 MAINTENANCE MANUAL LIST OF EFFECTIVE PAGES CHAPTER-SECTION-SUBJECT 00-Title 00-List of Effective Pages 00-Record of Revisions 00-Record of Temporary Revisions 00-Table of ...

Complete Verification and Validation for DO-178C - Vector Informatik GmbH

The Super Galaxy will also use the VDT-1209 video display terminal from Intellisense Systems (Torrance, California) to complete the full C-5M cockpit display system, Green Hills officials say. INTEGRITY-178 tuMP was the first RTOS to be certified conformant to the FACE Technical Standard, edition 3.0.

Krishan Patel - Aircraft Performance Software Engineer - Gulfstream ...

Experience in military platform avionics and mission system integration is preferred. Experience with qualification to standards such as RTCA DO-160, MIL-STD-810, MIL-STD-883, MIL-STD-461, MIL-STD-464, RTCA DO-178, DO-326A and RTCA DO-254 is preferred. Specific experience with some of the following is preferred:

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DO-178B, Software Considerations in Airborne Systems and Equipment Certification is a guideline dealing with the safety of safety-critical software used in certain airborne systems. It was jointly developed by the safety-critical working group RTCA SC-167 of the Radio Technical Commission for Aeronautics (RTCA) and WG-12 of the European Organisation for Civil Aviation Equipment (EUROCAE).

Cessna 172 Maintenance Manual | PDF | Airplane | Landing Gear - Scribd

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GNAT Pro | AdaCore

- Work with performance team to develop and modernize components of the Aircraft Flight Manual - Use understanding of regulatory guidelines such as, ARP 4754A, DO-178C, DO-200, and other relevant ...

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We would like to show you a description here but the site won't allow us.

C-5M Super Galaxy Cockpit to be Upgraded with Multicore Avionics ...

The DO-254/ED-80 standard is the counterpart to the well-established software standard RTCA DO-178C/EUROCAE ED-12C. With DO-254/ED-80, the certification authorities have indicated that avionics equipment contains both hardware and software, and each is critical to safe operation of aircraft.

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