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Do 160g

RTCA DO-160G provides standard procedures and environmental test criteria for testing airborne equipment for the entire spectrum of aircraft from light general aviation aircraft and helicopters through the "jumbo jets" and SST categories of aircraft. The document includes 26 Sections and three Appendices.

RTCA DO-160G for Airborne Equipment | DO-160

The DO-160 document was first published on February 28, 1975 to specify test conditions for the design of avionics electronic hardware in airborne systems. Since then the standard has undergone subsequent revisions up through Revision G.

DO-160 - Wikipedia

DO-160G was published in December 2010, and an update of the Users' Guide material for this document is in development, with the aim of providing rationales, guidance and background information for the environmental, test procedures and requirements, as well as lessons learned from aircraft and laboratory experience.

Home | DO-160

RTCA 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.

DO-160G Training - RTCA

DO-160G provides standard procedures and environmental test criteria for testing airborne equipment for the entire spectrum of aircraft from light general aviation aircraft and helicopters through the "jumbo jets" and SST categories of aircraft. The document includes 26 Sections and three Appendices.

RTCA DO-160G - Techstreet

DO-160G provides standard procedures and environmental test criteria for testing airborne equipment for the entire spectrum of aircraft from light, general aviation aircraft and helicopters through...

RTCA DO-160 - Environmental Conditions and Test Procedures ...

Published by the United States Department of Defense Comparing MIL-STD-810G and DO-160 Testing Standards for Equipment in Environmental Conditions This document outlines a set of minimal standard environmental test conditions (categories) and corresponding test procedures for airborne equipment.

Comparing MIL-STD-810G and DO-160 Testing Standards for ...

The FAA strongly encourages the use of RTCA/DO-160G for new articles. b. Appendix 1 of this AC provides a summary of the changes from RTCA/DO-160C to RTCA/DO-160D, version D to E, version E to F, and F to G.

AC 21-16G - RTCA Document DO-160 versions D, E and F ...

The DO-160 standard and the EUROCAE ED-14 standard are identically worded. DO-160 testing involves a wide range of factors, from humidity and temperature to electrical interference and shock resistance. The standard is intended to cover almost anything that can disrupt the performance of an airborne electrical or electronic device.

RTCA DO-160 | National Technical Systems Test Labs

The tests in RTCA/DO-160 provide a laboratory means of demonstrating the performance characteristics of airborne equipment in environmental conditions that may be encountered in operation of the equipment in aircraft. It is not the intent of RTCA/DO-160 to be used as a measure of service life of the airborne equipment subjected to these tests.

Advisory U.S. Department Circular

The purpose of RTCA DO-160 humidity testing is to determine the ability of equipment to withstand humid atmospheres. These atmospheric conditions could be either natural or induced. Humidity testing labs test to this standard to determine corrosion and other equipment changes.

RTCA DO-160 Section 6.0 Humidity Testing | Keystone Compliance

DO-160 outlines current Radio Technical Commission for Aeronautics (RTCA) standards for the environmental testing of avionics hardware. The RTCA published the document's most recent update, DO-160G, in 2010. Here's a brief overview of some of its most important changes. Section 2: Revised Definitions of General Terms

8 Updates You Need to Know for DO-160G - National ...

RTCA DO-160 Section 14.0 Salt Fog Testing The RTCA DO-160 salt fog test standard determines the effects of ocean conditions. These conditions are a salt atmosphere that can be extremely corrosive. Products placed in service on a plane operated near or over a salt water body of water are susceptible.

RTCA DO-160 Section 14.0 Salt Fog Testing | Keystone ...

These tests determine that the equipment does not emit undesired RF noise in excess of the levels specified in DO-160G, Section 21. The notches specified in the radiated emissions limits are included to protect aircraft RF sensors operating frequencies.

DO-160 Test Services

D.L.S. provides support for the entire environmental RTCA-DO-160 suite of tests up to the current revision level of G. These tests often perform in addition to EMI related tests. Click for EMC RTCA-DO-160 Testing. Please contact us or request a quote for this or any of our other compliance programs.

RTCA DO-160 Environmental Testing - D.L.S. Electronic ...

RTCA creates the venue for collaboration, consensus, and government/industry partnerships on the performance standards development process. The members of RTCA are from organizations, entities, and governments from across the globe including aircraft and avionics manufacturing, service providers, R&D, academia, UAS and more.

Membership - RTCA

RTCA/DO-160 G is the current version of this standard. Coordinated with EUROCAE, RTCA/DO-160G and EUROCAE/ED-14G are identically worded. DO-160G is recognized by the International Organization for Standardization (ISO) as de facto international standard ISO-7137.

RTCA/DO-160 Section 25: Electrostatic Discharge (ESD) | ATEC

RTCA DO-160 defines a series of minimum test conditions (categories) and applicable test procedures for commercial airborne equipment. D.L.S. offers compliance testing on Aviation and Avionics platform applications for EMI/EMC, Environmental, Power Quality, and other applicable testing services.