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[DO-160 - Wikipedia](#)

DO-160, Environmental Conditions and Test Procedures for Airborne Equipment , published by RTCA (Radio Technical Commission for Aeronautics), is the international standard that defines environmental test conditions and applicable test procedures and criteria for avionic equipment to determine their performance characteristics.

[Home | DO-160](#)

RTCA DO-160 Environmental Conditions and Test Procedures for Airborne Equipment Important aircraft navigation and communications systems must be durable enough to withstand the diverse environmental conditions they may be subject to during the course of a flight.

[RTCA DO-160 | National Technical Systems Test Labs](#)

RTCA DO-160 December 16, 2014 Environmental Conditions and Test Procedures for Airborne Equipment FOREWORD This report was prepared by RTCA Special Committee 135 (SC-135) and approved by the RTCA Program Management Committee (PMC) on December 16, 2014. RTCA, Incorporated is a not-for-profit...

[RTCA DO-160 - Environmental Conditions and Test Procedures](#)

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. The list of accredited standards includes RTCA DO-160 for Electromagnetic Compatibility, Lightning, HIRF and Environmental requirements.

[RTCA DO-160 EMC Testing - D.L.S. Electronic Systems, Inc.](#)

The RTCA DO-160 sand and dust test standard determines the resistance of the equipment to the effects of blowing sand and dust. The test involves the sand and dust being carried by air movement at moderate speeds. Sand and dust test labs investigate the effect these contaminants can have. Sand and dust can wreak havoc on equipment.

[RTCA DO-160 Section 12.0 Sand and Dust Testing | Keystone](#)

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-160 | Environmental Conditions and Test Procedures](#)

RTCA DO-160G, Environmental Conditions and Test Procedures for Airborne Equipment, prepared by RTCA Special Committee 135, was issued on December 8, 2010, superseding the previous version, DO-160F. DO-160G covers standard procedures and environmental test criteria for testing airborne electrical and electronic equipment (avionics).

[New EMC Requirements for Commercial Avionics - RTCA/DO-160G](#)

Description. a. This advisory circular (AC) identifies RTCA Document No. (RTCA/DO)-160 versions D, E, F, and G, Environmental Conditions and Test Procedures for Airborne Equipment, dated July 27, 1997, December 20, 2005, December 6, 2007, and December 8, 2010, respectively, as containing acceptable environmental qualifications to show compliance with certain airworthiness requirements.

[AC 21-16G - RTCA Document DO-160 versions D, E and F](#)

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.

[RTCA DO-160G for Airborne Equipment | DO-160](#)

RTCA/DO Testing Eurofins E&E North America is A2LA-accredited to perform RTCA/DO160 Commercial Aircraft Product testing. Eurofins E&E North America has the facilities, accreditations and experience to accurately and efficiently perform testing to a wide range of military and aerospace specifications, including the latest lightning tests.

[RTCA DO Testing to DO 160D, 160E & 160F](#)

The RTCA DO-160 waterproofness test standard determines whether equipment can withstand liquid ingress. This liquid ingress can occur in one of several different methods. The most prominent is water spray. Other forms of ingress include dripping liquid and condensation.

[RTCA DO-160 Section 10.0 Waterproofness Testing | Keystone](#)

RTCA DO-160 is produced by the Radio Technical Commission for Aeronautics (RTCA). DO-160 was created in 1975 to outline environmental test conditions and methods for avionics electronic hardware for all airborne vessels from helicopters and light aircraft to cargo planes and jumbo jets.

[RTCA/DO-160: Environmental Conditions and Test Procedures](#)

Virtual. 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. The course will provide an understanding of the use of DO-160G and how it fits in with the greater picture of requirements, design, certification and Technical Standard Orders (TSOs).

[DO-160G Training - RTCA](#)

RTCA is a private, not-for-profit association founded in 1935 as the Radio Technical Commission for Aeronautics, now referred to simply as "RTCA".

[RTCA | Safer Skies Through Collaboration](#)

RTCA/DO-160 (or its precursor, RTCA/DO-138) has been used as a standard for environmental testing since 1958. It defines standard environmental test conditions (categories) and applicable test procedures for airborne equipment.

[AC 21-16F Final](#)

RTCA-DO-160 defines a series of minimum test conditions (categories) and applicable test procedures for commercial airborne equipment.

[RTCA DO-160 Fire and Flammability Testing - D.L.S.](#)

RTCA / DO-160 LISN's The EMC Shop specializes in emissions compliance testing and evaluation. Rent, buy or lease RTCA / DO-160 LISN's - Line Impedance Stabilization Networks.

[RTCA / DO-160 LISN's Line Impedance Stabilization Networks](#)

If you would like to purchase a quantity greater than twenty please contact docsales@rtca.org or (202)833-9339. For more information see the Electronic License Agreement, FAQ, Ordering Procedure, List of Available Documents and Order Form. Showing 1 - 10 of 38 products for your search of DO-160.