

U.S. Department of Transportation

Federal Aviation Administration

Advisor Circular Circular DEPARTATION

Advisory

Subject:

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21-16C

Change:

RADIO TECHNICAL COMMISSION FOR AERONAUTICS DOCUMENT NO. DO-160C

- PURPOSE. This advisory circular calls attention to the Radio Technical Commission for Aeronautics (RTCA) Document No. DO-160C. "Environmental Conditions and Test Procedures for Airborne Equipment," dated December 4, 1989, and discusses how the document may be used in connection with technical standard order (TSO) authorizations.
- Advisory Circular 21-16B, Radio Technical Commission CANCELLATION. for Aeronautics Document DO-160B, dated October 9, 1984, is canceled.
- RELATED FEDERAL AVIATION REGULATIONS (FAR). Federal Aviation Regulations, Part 21, Subpart O.
- BACKGROUND. Radio Technical Commission for Aeronautics Document No. DO-160C was developed by RTCA to provide improved environmental test procedures and test conditions applicable to airborne equipment. cases applicants for TSO authorizations may prefer to use these new procedures in lieu of those specified in a specific TSO.
- 5. USE OF RTCA DOCUMENT NO. DO-160C. An applicant for a TSO authorization for airborne equipment may use the conditions and procedures prescribed in RTCA Document No. DO-160C in lieu of the corresponding conditions and procedures specified in a TSO if it is shown that:
- a. All conditions and procedures used are those prescribed in RTCA Document No. DO-160C.
- b. The substitute test procedure from RTCA Document No. DO-160C provides an equivalent level of safety.
- c. The applicant requests approval to deviate in accordance with the requirements of FAR Section 21.609.
- 6. AVAILABILITY OF RTCA DOCUMENT NO. DO-160C. Copies may be purchased from the Radio Technical Commission for Aeronautical Secretariat, One McPherson Square, Suite 500, 1425 K Street, NW., Washington, DC 20005.

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