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CIVIL AERONAUTICS MANUAL 16

U.S. Department of Commerce — Civil Aeronautics Administration

Civil Aeronautics Manuals and supplements thereto are issued by the Office of Aviation Safety, Civil Aeronautics Administration, for the guidance of the public and are published in the Federal Register and the Code of Federal Regulations.

Supplement No. 3 — February 20, 1953

SUBJECT: 16.30
Design and Tests

The Office of Aviation Safety announces the adoption of a policy effective January 1, 1953, governing the environmental test procedures to be followed in type certification of airborne radio equipment. This material was published in the Federal Register of December 17, 1952.

16.30-3 ENVIRONMENTAL TEST PROCEDURES FOR AIRBORNE RADIO EQUIPMENT.

The attached page should be retained as a part of a series of similar statements that will be issued explaining or implementing CAR 16.

John T. Warlick

E.S. Hensley
Director, Office of
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Attachment

DISTRIBUTION: Air 4, 4A, 40 all tabs
40B, 40E, 40F-1, 40-1.

16.30-3 Environmental test procedures for airborne radio equipment. (CAA policies which apply to 16.30(c)). Environmental test procedures are used to provide a laboratory means of determining the reliability of airborne radio equipment by evaluating its performance under conditions representative of those which are encountered in actual aeronautical operations. In performing these tests, the environmental test procedures contained in Radio Technical Commission for Aeronautics' paper entitled, "Environmental Test Procedures - Airborne Radio Equipment" (Paper 50-52/DO-44 dated March 20, 1952) should be used on newly designed equipment submitted for type certification approval. However, in order to provide a smooth transition to the new environmental test procedures, either the currently used tests contained in Civil Aeronautics Manual 16 dated February 13, 1941, or those contained in the R.T.C.A. paper 50-52/DO-44 may be used at the option of the applicant for a type certificate until December 17, 1953. After that date, the tests contained in paper 50-52/DO-44 should be used. The environmental test procedures in Civil Aeronautics Manual 16 dated February 13, 1941, under which the equipment was originally type certificated should be used on modifications of previously type certificated equipment. However, the tests contained in the R.T.C.A. paper 50-52/DO-44 may be used at the option of the applicant.

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