CIVIL AERONAUTICS MANUAL 16

U. S. Department of Commerce — Civil Aeronautics Administration

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Supplement No. 5 — March 1, 1956

SUBJECT: 16.30 Design and Tests

This supplement is issued to provide holders of CAM 16 with a change in reference number of the RTCA Paper in §16.30-3 and clarifies the modification procedures of that section.

Remove the page 16.30-3 dated February 20, 1953, and insert the attached new page 16.30-3.

William B. Davis
Director
Office of Aviation Safety

Attachment

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

§16.30-3 Environmental test procedures for airborne radio equipment (CAA policies which apply to sec. 16.30 (c)). (a) Environmental test procedures are used to provide a laboratory means of determining the relability 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 100-54/DO-60 dated April 13, 1954) should be used on newly designed equipment submitted for type certification approval. Paper 100-54/DO-60 outlines environmental test procedures for equipment designed to operate under three different temperature ranges as specified therein under Procedures A, B, and C. Only Procedure A or B, whichever is applicable, is to be used for type certification purposes.

(b) Radio equipment type certificated wholly in accordance with this part may be modified by either of the following methods:

(1) In accordance with this part or,
(2) In accordance with this part but substituting the environmental test procedures of RTCA Paper 100-54/DO-60 in lieu of similar tests in this part. Of the low temperature and altitude test portion of the RTCA Paper only Procedures A and B are applicable.

(c) Radio equipment type certificated in accordance with this part but substituting the environmental test procedures of either RTCA Paper 50-54/DO-44 or Paper 100-54/DO-60 in lieu of similar tests in this part should have any modifications accomplished in accordance with this part and RTCA Paper 100-54/DO-60. Procedure A or B of this paper, whichever was used in the original certification, should be used in the modification.

(20 F. R. 1798 March 25, 1955, effective April 15, 1955.)

(Rev. 3/1/56)