UNITED STATES OF AMERICA
CIVIL AERONAUTICS BOARD
WASHINGTON, D. C.

Civil Air Regulations Amendment 1-1
Effective: March 5, 1952
Adopted: January 28, 1952

CERTIFICATION OF AIRCRAFT AND RELATED PRODUCTS

Since the adoption by the Board of a revised Part 1, effective January 15, 1951, it has been found necessary to include in this part provisions with respect to changes in type design (including service experience changes) which heretofore were contained in other airworthiness parts of the Civil Air Regulations. This clarification insures that such provisions are applicable to all aircraft and components irrespective of the rules under which they were certificated.

In addition to the provisions regarding changes in type design, there are minor editorial changes and changes in section numbering for the purpose of consistency with other airworthiness parts of the Civil Air Regulations.

Interested persons have been afforded an opportunity to participate in the making of this amendment, and due consideration has been given to all relevant matter presented.

In consideration of the foregoing the Civil Aeronautics Board hereby amends Part 1 of the Civil Air Regulations (14 CFR, Part 1) effective March 5, 1952:

1. By amending § 1.2 to read as follows:

1.2 Type design. The type design shall consist of such drawings and specifications as are necessary to disclose the configuration of the product and all the design features covered in the requirements of that part of the Civil Air Regulations under which the product is certificated, such information on dimensions, materials, and processes as is necessary to define the structural strength of the product, and such other data as are necessary to permit by comparison the determination of the airworthiness of subsequent products of the same type.

2. By amending § 1.12 (a) to read as follows:

1.12 Requirements for issuance. * * *

(a) The applicant has submitted the type design (see § 1.2), test reports, and computations as may be required by that part of the Civil Air Regulations under which the product is to be certificated.

3. By rescinding § 1.14.

4. By redesignating §§ 1.15, 1.16, 1.17, 1.18, 1.19, and 1.20 as §§ 1.14, 1.15, 1.16, 1.17, 1.18, and 1.19, respectively.

5. By adding a new heading and §§ 1.20 through 1.24 thereunder to read as follows:

CHANGES IN TYPE DESIGN

1.20 General. When the type design is changed, the applicant shall demonstrate that the product complies with the requirements of that part of the Civil Air Regulations under which it was certificated.

1.21 Classification of changes. Changes shall be classified as minor and major. A minor change shall be one which has no appreciable effect on the weight, balance, structural strength, reliability, operational characteristics, or other characteristics affecting the airworthiness of the product. A major change shall be one not classified as a minor change.

1.22 Approval of minor changes. Minor changes in a type design may be approved by an authorized representative of the Administrator prior to the submittal to the Administrator of any substantiating or descriptive data.

1.23 Approval of major changes. Major changes in a type design shall be approved only after receipt by the Administrator of substantiating data and necessary descriptive data for inclusion in the type design.

1.24 Service experience changes.

(a) Where the Administrator finds as a result of service experience that an unsafe condition exists with respect to a design feature, part, or characteristic of any product, and that such a condition is likely to exist or develop in other products of the same type design, he shall provide notice[1] thereof for all operators of products of that type, and the product shall not thereafter be operated until the unsafe condition has been corrected, unless otherwise authorized by the Administrator under specified conditions and limitations, including inspections. In addition, the provisions of subparagraphs (1) and (2) of this paragraph shall apply.

1/ Notification of any unsafe condition, of the required corrective action, and of compliance dates is usually provided through the medium of Airworthiness Directives issued by the Administrator.

(1) When the Administrator finds that design changes are necessary to correct the unsafe condition of the product, the holder of the type certificate, upon request of the Administrator, shall submit appropriate design changes for the approval of the Administrator.

(2) Upon approval, the descriptive data covering the changes shall be made available by the holder of the type certificate to all operators of products previously certificated under such type certificate.

(b) Where no current unsafe condition exists but the Administrator or the holder of the type certificate finds through service experience that changes in type design will contribute to the safety of the product, the holder of the type certificate may submit appropriate design changes for the approval of the Administrator. Upon approval of such changes the manufacturer shall make available to all operators of the same type of product information on the design changes.

6. By amending § 1.64 (a) (1) by deleting the word "airworthiness."

(Sec. 205 (a), 52 Stat. 984; 49 U.S.C. 425 (a). Interpret or apply secs. 601, 603, 52 Stat. 1007, 1009; 49 U.S.C. 551, 553; 62 Stat. 1216)

By the Civil Aeronautics Board:

/s/ M. C. Mulligan

M. C. Mulligan
Secretary

(SEAL)