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

Civil Air Regulations Amendment 3-10
Effective: May 16, 1953
Adopted: April 9, 1953

AIRPLANE AIRWORTHINESS - NORMAL, UTILITY, AND ACROBATIC CATEGORIES

In recent years considerable study has been devoted to Part 3 with respect to its applicability to large airplanes. These studies, in the light of past experience, indicate that Part 3 with the various changes made to it during recent years would not result in an acceptable level of safety for future designs of relatively large airplanes irrespective of their use. Therefore, Section 3.0 is amended to limit the future applicability of Part 3 to airplanes having a maximum weight of 12,500 pounds or less. This weight demarcation between small and large airplanes is consistent with the Board's economic regulations and with other parts of the Civil Air Regulations.

In addition, Section 3.777 is amended to eliminate the requirement for an Airplane Flight Manual for airplanes of 6,000 pounds or less. Instead, such information as is normally contained in the flight manual will now be required to be made available in the form of placards, markings, or manuals.

In addition to the foregoing substantive amendments, there are also a number of changes to Part 3 which are of an editorial and clarifying nature.

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 3 of the Civil Air Regulations (14 CFR, Part 3, as amended) effective May 16, 1953:

1. By amending § 3.0 by adding before the first sentence a new sentence to read as follows: "This part shall not be applicable to airplanes having maximum weights of more than 12,500 pounds for which application for type certificate is made after March 31, 1953."

2. By amending § 3.1 (a) (3) by adding the following reference: "(See § 3.18.)".

3. By amending § 3.15 (c) to read as follows:

3.15 Inspections and tests. * * *

(c) All manufacturing processes, construction, and assembly are as specified in the type design.

4. By amending Figure 3-12 (a) by interchanging in the third column the expressions "nWb'/d'" and "nWa'/d'".

5. By amending § 3.301 by deleting the words "ANC-5 and ANC-18" and substituting in lieu thereof the words "ANC-5, ANC-18, and ANC-23, Part II".

6. By amending the note following § 3.301 to read as follows:

NOTE: ANC-5, "Strength of Metal Aircraft Elements," ANC-18, "Design of Wood Aircraft Structures," and ANC-23, "Sandwich Construction for Aircraft," are published by the Subcommittee on Air Force-Navy-Civil Aircraft Design Criteria, and may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

7. By amending § 3.606 (d) to read as follows:

3.606 Induction system de-icing and anti-icing provisions. * * *

(d) Airplanes equipped with sea level engines employing carburetors which embody features tending to reduce the possibility of ice formation shall be provided with a sheltered alternate source of air. The preheat supplied to this alternate air intake shall be not less than that provided by the engine cooling air downstream of the cylinders.

8. By amending § 3.655 (d) (2) to read as follows:

3.655 Required basic equipment. * * *

(d) Miscellaneous equipment. * * *

(2) Airplane Flight Manual if required by § 3.777.

9. By amending § 3.716 to read as follows:

3.716 Rafts and life preservers. Rafts and life preservers shall be of an approved type.

10. By amending § 3.750 by deleting the reference: "(See Parts 42 and 43 of this chapter.)" and substituting in lieu thereof the following: "(See the appropriate operating parts of the Civil Air Regulations.)"

11. By amending § 3.770 to read as follows:

3.770 Operating limitations placard. A placard shall be provided in clear view of the pilot stating: "This airplane must be operated as a - - - - - - or - - - - - - category airplane in compliance with the operating limitations stated in the form of placards, markings, and manuals."

12. By amending § 3.777 by designating the present text as paragraph (a) and by adding the following clause at the end of the first sentence: "having a maximum certificated weight of more than 6,000 pounds."

13. By amending § 3.777 by adding a new paragraph (b) to read as follows:

3.777 Airplane Flight Manual. * * *

(b) For airplanes having a maximum certificated weight of 6,000 pounds or less an Airplane Flight Manual is not required; instead, the information prescribed in this part for inclusion in the Airplane Flight Manual shall be made available to the operator by the manufacturer in the form of clearly stated placards, markings, or manuals.

(Sec. 205 (a), 52 Stat. 984; 49 U.S.C. 425 (a). Interpret or apply secs. 601, 603, 52 Stat. 1007, as amended, 1008; 49 U.S.C. 551, 553)

By the Civil Aeronautics Board:

/s/ M. C. Mulligan

M. C. Mulligan
Secretary

(SEAL)

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