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

Civil Air Regulations Amendment 6-1
Effective: March 5, 1952
Adopted: January 28, 1952

ROTORCRAFT AIRWORTHINESS

The previously effective Part 6 was extensively revised effective January 15, 1951. Since that time a review of the provisions of this part reveals the need of minor amendments either of a clarifying nature or for consistency with other airworthiness parts of the Civil Air Regulations.

A substantive change is made in the adoption of a provision pertaining to power-off landings for multiengine rotorcraft. The purpose of this provision is to assure an appropriate degree of safety in case of power failure in the air.

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 6 of the Civil Air Regulations (14 CFR, Part 6) effective March 5, 1952:

1. By amending the title of § 6.1 (c) (7) to read "Ground resonance" in lieu of "Ground resistance".

2. By deleting from § 6.10 the words "other design features" and by substituting in lieu thereof the word "factors".

3. By adding the word "thereto" after the word "amendments" in § 6.11 (a).

4. By deleting from § 6.11 (b) the reference "§ 6.24 of this part" and by substituting in lieu thereof "§ 1.24 of Part 1 of the Civil Air Regulations".

5. By amending § 6.13 to read as follows:

6.13 Type certificate.

(a) An applicant shall be issued a type certificate when he demonstrates the eligibility of the rotorcraft by complying with the requirements of this part in addition to the applicable requirements in Part 1 of the Civil Air Regulations.

(b) The type certificate shall be deemed to include the type design (see § 6.14 (b)), the operating limitations for the rotorcraft (see § 6.700), and any other conditions or limitations prescribed by the Civil Air Regulations. (See also § 6.11 (a).)

6. By amending § 6.14 to read as follows:

6.14 Data required.

(a) The applicant for a type certificate shall submit to the Administrator such descriptive data, test reports, and computations as are necessary to demonstrate that the rotorcraft complies with the requirements of this part.

(b) The descriptive data required in paragraph (a) of this section shall be known as the type design and shall consist of such drawings and specifications as are necessary to disclose the configuration of the rotorcraft and all the design features covered in the requirements of this part, such information on dimensions, materials, and processes as is necessary to define the structural strength of the rotorcraft, and such other data as are necessary to permit by comparison the determination of the airworthiness of subsequent rotorcraft of the same type.

7. By adding the following note to § 6.18 (a):

NOTE: The provisions of this paragraph are intended to allow approval of materials, parts, processes, and appliances under the system of Technical Standard Orders, or in conjunction with type certification procedures for a rotorcraft, or by any other form of approval by the Administrator.

8. By adding a new § 6.19 to read as follows:

6.19 Changes in type design. (For requirements with regard to changes in type design see Part 1 of the Civil Air Regulations.)

9. By rescinding §§ 6.20 through 6.24.

10. By adding a new § 6.115 to read as follows:

6.115 Power-off landings for multiengine rotorcraft. For all multiengine rotorcraft it shall be possible to make a safe landing following complete failure of all power during normal operating conditions.

11. By amending § 6.335 to read as follows:

6.335 Wheels. Landing gear wheels shall be of an approved type. The maximum static load rating of each wheel shall not be less than the corresponding static ground reaction under the maximum weight of the rotorcraft and the critical center of gravity position. The maximum limit load rating of each wheel shall not be less than the maximum radial limit load determined in accordance with the applicable ground load requirements of this part.

12. By amending the reference at the end of § 6.421 to read "§ 6.741 (g)" in lieu of "§ 6.741 (e)."

(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)