

Federal Aviation Regulation

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▼ Sec. 25.105

Part 25 AIRWORTHINESS STANDARDS: TRANSPORT CATEGORY AIRPLANES	
Subpart B--Flight	Performance: Turbine Engine Powered Airplanes

Sec. 25.105

Takeoff.

- (a) The takeoff speeds described in Sec. 25.107, the accelerate-stop distance described in Sec. 25.109, the takeoff path described in Sec. 25.111, and the takeoff distance and takeoff run described in Sec. 25.113, must be determined--
- (1) At each weight, altitude, and ambient temperature within the operational limits selected by the applicant; and
 - (2) In the selected configuration for takeoff.
- (b) No takeoff made to determine the data required by this section may require exceptional piloting skill or alertness.
- (c) The takeoff data must be based on--
- (1) A smooth, dry, hard-surfaced runway, in the case of land planes and amphibians;
 - (2) Smooth water, in the case of seaplanes and amphibians; and
 - (3) Smooth, dry snow, in the case of skiplanes.
- (d) The takeoff data must include, within the established operational limits of the airplane, the following operational correction factors:
- (1) Not more than 50 percent of nominal wind components along the takeoff path opposite to the direction of takeoff, and not less than 150 percent of nominal wind components along the takeoff path in the direction of takeoff.
 - (2) Effective runway gradients.

► Comments

▼ Document History

Notice of Proposed Rulemaking Actions:

Notice of Proposed Rulemaking. Notice No. [64-28](#); Issued on 05/14/64.

Final Rule Actions:

Final Rule. Docket No. [5066](#); Issued on 11/03/64.