In icing conditions with the approach ice accretion defined in appendix C. The climb speed selected for non-icing conditions may be used if the climb speed for icing conditions, computed in accordance with paragraph (d)(1)(ii) of this section, does not exceed that for non-icing conditions by more than the greater of 3 knots CAS or 3 percent.

§ 25.123 En route flight paths.

(a) For the en route configuration, the flight paths prescribed in paragraph (b) and (c) of this section must be determined at each weight, altitude, and ambient temperature, within the operating limits established for the airplane. The variation of weight along the flight path, accounting for the progressive consumption of fuel and oil by the operating engines, may be included in the computation. The flight paths must be determined at a speed not less than $V_{FTO}$, with—

1. The most unfavorable center of gravity;
2. The critical engines inoperative;
3. The remaining engines at the available maximum continuous power or thrust; and
4. The means for controlling the engine-cooling air supply in the position that provides adequate cooling in the hot-day condition.

(b) The one-engine-inoperative net flight path data must represent the actual climb performance diminished by a gradient of climb of 1.1 percent for two-engine airplanes, 1.4 percent for three-engine airplanes, and 1.6 percent for four-engine airplanes—

1. In non-icing conditions; and
2. In icing conditions with the en route ice accretion defined in appendix C, if $V_{REF}$ for icing conditions exceeds $V_{REF}$ for non-icing conditions by more than 5 knots CAS at the maximum landing weight.

§ 25.125 Landing.

(a) The horizontal distance necessary to land and to come to a complete stop (or to a speed of approximately 3 knots for water landings) from a point 50 feet above the landing surface must be determined (for standard temperatures, at each weight, altitude, and wind within the operational limits established by the applicant for the airplane):

1. In non-icing conditions; and
2. In icing conditions with the landing ice accretion defined in appendix C if $V_{REF}$ for icing conditions exceeds $V_{REF}$ for non-icing conditions by more than 5 knots CAS at the maximum landing weight.

(b) In determining the distance in paragraph (a) of this section:

1. The airplane must be in the landing configuration.
2. A stabilized approach, with a calibrated airspeed of not less than $V_{REF}$, must be maintained down to the 50-foot height.

(i) In non-icing conditions, $V_{REF}$ may not be less than:

A. $1.23 V_{SR}$;
B. $V_{MCL}$ established under § 25.149(f); and
C. A speed that provides the maneuvering capability specified in § 25.143(h).

(ii) In icing conditions, $V_{REF}$ may not be less than:

A. The speed determined in paragraph (b)(2)(i) of this section;
B. $1.23 V_{SR}$ with the landing ice accretion defined in appendix C if that speed exceeds $V_{REF}$ for non-icing conditions by more than 5 knots CAS; and
C. A speed that provides the maneuvering capability specified in § 25.143(h) with the landing ice accretion defined in appendix C.