

14 CFR 25.201, Stall Demonstration.

- (a) Stalls must be shown in straight flight and in 30 degree banked turns with--
- (1) Power off; and
 - (2) The power necessary to maintain level flight at 1.6 (where corresponds to the stalling speed with flaps in the approach position, the landing gear retracted, and maximum landing weight).
- [(b) In each condition required by paragraph (a) of this section, it must be possible to meet the applicable requirements of Sec. 25.203 with--
- (1) Flaps, landing gear, and deceleration devices in any likely combination of positions approved for operation;
 - (2) Representative weights within the range for which certification is requested;
 - (3) The most adverse center of gravity for recovery; and
 - (4) The airplane trimmed for straight flight at the speed prescribed in Sec. 25.103(b)(1).
- (c) The following procedures must be used to show compliance with Sec. 25.203;
- (1) Starting at a speed sufficiently above the stalling speed to ensure that a steady rate of speed reduction can be established, apply the longitudinal control so that the speed reduction does not exceed one knot per second until the airplane is stalled.
 - (2) In addition, for turning flight stalls, apply the longitudinal control to achieve airspeed deceleration rates up to 3 knots per second.
 - (3) As soon as the airplane is stalled, recover by normal recovery techniques.
- (d) The airplane is considered stalled when the behavior of the airplane gives the pilot a clear and distinctive indication of an acceptable nature that the airplane is stalled. Acceptable indications of a stall, occurring either individually or in combination, are--
- (1) A nose-down pitch that cannot be readily arrested;
 - (2) Buffeting, of a magnitude and severity that is a strong and effective deterrent to further speed reduction; or
 - (3) The pitch control reaches the aft stop and no further increase in pitch attitude occurs when the control is held full aft for a short time before recovery is initiated.]

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Part 25 AIRWORTHINESS STANDARDS: TRANSPORT CATEGORY AIRPLANES
Subpart B—Flight Stalls