

## 14 CFR 23 Criteria for Establishing Vmc

Under 14 CFR Part 23 small airplane certification rules, the specific set of circumstances required to determine Vmc are as follows:

- Maximum available takeoff power
- Propeller windmilling in takeoff pitch (or feathered, if equipped with autofeather)
- Most unfavorable (aft-most) center of gravity and maximum takeoff weight (or any lesser weight necessary to show Vmc)
- Landing gear retracted
- Wing and cowl flaps in the takeoff position
- Trimmed for takeoff
- Airborne, out of ground effect.

Under these conditions, the flight test pilot must be able to:

1. Stop the turn that results when the critical engine is suddenly made inoperative within 20 degrees of the original heading, using maximum rudder deflection and a maximum of five degrees angle of bank into the operative engine; and
2. Thereafter, maintain straight flight with not more than a five degree angle of bank.