§ 29.181 Dynamic stability: Category A rotorcraft.

Any short-period oscillation occurring at any speed from $V_Y$ to $V_{NE}$ must be positively damped with the primary flight controls free and in a fixed position.

[Amdt. 29–51, 73 FR 11001, Feb. 29, 2008]

§ 29.231 General.

The rotorcraft must have satisfactory ground and water handling characteristics, including freedom from uncontrollable tendencies in any condition expected in operation.

§ 29.235 Taxing condition.

The rotorcraft must be designed to withstand the loads that would occur when the rotorcraft is taxied over the roughest ground that may reasonably be expected in normal operation.

§ 29.239 Spray characteristics.

If certification for water operation is requested, no spray characteristics during taxiing, takeoff, or landing may obscure the vision of the pilot or damage the rotors, propellers, or other parts of the rotorcraft.

§ 29.241 Ground resonance.

The rotorcraft may have no dangerous tendency to oscillate on the ground with the rotor turning.