

2.a.2. ....	Collective and Pedals ...	Breakout—±0.5 lb (0.224 daN) or 25%. Force—±1.0 lb (0.224 daN) or 10%.	Ground; Static conditions. Trim On and Off. Friction Off. Augmentation On and Off.	Record results for an uninterrupted control sweep to the stops.	X	X	X	
2.a.3. ....	Brake Pedal Force vs. Position.	±5 lbs (2.224 daN) or 10% .....	Ground; Static conditions.	.....	X	X	X	
2.a.4. ....	Trim System Rate (all applicable systems).	Rate—±10% .....	Ground; Static conditions. Trim On. Friction Off.	The tolerance applies to the recorded value of the trim rate.	X	X	X	
2.a.5. ....	Control Dynamics (all axes).	±10% of time for first zero crossing and ±10 (N + 1)% of period thereafter. ±10% of amplitude of first overshoot. ±20% of amplitude of 2nd and subsequent overshoots greater than 5% of initial displacement. ±1 overshoot.	Hover/Cruise Trim On Friction Off.	Results must be recorded for a normal control displacement in both directions in each axis, using 25% to 50% of full throw.		X	X	Control Dynamics for irreversible control systems may be evaluated in a ground/static condition. Refer to paragraph 3 of this attachment for additional information. "N" is the sequential period of a full cycle of oscillation.
2.a.6. ....	Freeplay .....	±0.10 in. (±2.5 mm) .....	Ground; Static conditions.	Record and compare results for all controls.	X	X	X	
2.b. ....	Low Airspeed Handling Qualities.							
2.b.1. ....	Trimmed Flight Control Positions.	Torque ±3% Pitch Attitude ±1.5° Bank Attitude ±2° Longitudinal Control Position ±5% Lateral Control Position ±5% Directional Control Position ±5% Collective Control Position ±5%.	Translational Flight IGE—Sideward, rearward, and forward flight. Augmentation On and Off.	Record results for several airspeed increments to the translational airspeed limits and for 45 kts. forward airspeed. May be a series of snapshot tests.			X	
2.b.2. ....	Critical Azimuth .....	Torque ±3% Pitch Attitude ±1.5°, Bank Attitude ±2°, Longitudinal Control Position ±5%, Lateral Control Position ±5%, Directional Control Position ±5%, Collective Control Position ±5%.	Stationary Hover. Augmentation On and Off.	Record results for three relative wind directions (including the most critical case) in the critical quadrant. May be a series of snapshot tests.			X	
2.b.3. ....	Control Response.							