

TABLE C2A—FULL FLIGHT SIMULATOR (FFS) OBJECTIVE TESTS—Continued

QPS requirements								Information	
Test		Tolerance(s)	Flight condition	Test details	Simulator level			Notes	
Entry No.	Title				B	C	D		
2.b.3.b.	Lateral	Roll Rate—±10% or ±3°/sec., Roll Attitude Change— ±10% or ±3°.	Hover Augmentation On and Off.	Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases.		X	X	This is a “short time” test conducted in a hover, in ground effect, without entering translational flight, to provide better visual reference.	
2.b.3.c.	Directional	Yaw Rate—±10% or ±2°/sec., Heading Change—±10% or ±2°.	Hover Augmentation On and Off.	Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases.		X	X	This is a “short time” test conducted in a hover, in ground effect, without entering translational flight, to provide better visual reference.	
2.b.3.d.	Vertical	Normal Acceleration—±0.1 g.	Hover Augmentation On and Off.	Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases.		X	X		
2.c.	Longitudinal Handling Qualities								
2.c.1.	Control Response	Pitch Rate—±10% or ±2°/sec., Pitch Attitude Change—±10% or ±1.5°.	Cruise Augmentation On and Off.	Results must be recorded for two cruise airspeeds to include minimum power required speed. Record data for a step control input. The Off-axis response must show correct trend for unaugmented cases.	X	X	X		
2.c.2.	Static Stability	Longitudinal Control Position: ±10% of change from trim or ±0.25 in. (6.3 mm) or Longitudinal Control Force : ±0.5 lb. (0.223 daN) or ±10%.	Cruise or Climb. Autorotation. Augmentation On and Off.	Record results for a minimum of two speeds on each side of the trim speed. May be a series of snapshot tests.	X	X	X		
2.c.3.	Dynamic Stability								