

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.d.1.a	Lateral	Roll Rate— $\pm 10\%$ or $\pm 3^\circ/\text{sec.}$, Roll Attitude Change— $\pm 10\%$ or $\pm 3^\circ$.	Cruise Augmentation On and Off.	Record results for at least two airspeeds, including the speed at or near the minimum power required airspeed. Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases.	X	X	X		
2.d.1.b.	Directional	Yaw Rate— $\pm 10\%$ or $\pm 2^\circ/\text{sec.}$, Yaw Attitude Change— $\pm 10\%$ or $\pm 2^\circ$.	Cruise Augmentation On and Off.	Record data for at least two airspeeds, including the speed at or near the minimum power required airspeed. Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases.	X	X	X		
2.d.2.	Directional Static Stability.	Lateral Control Position— $\pm 10\%$ of change from trim or ± 0.25 in. (6.3 mm) or Lateral Control Force— ± 0.5 lb. (0.223 daN) or 10%, Roll Attitude— ± 1.5 , Directional Control Position— $\pm 10\%$ of change from trim or ± 0.25 in. (6.3 mm) or Directional Control Force— ± 1 lb. (0.448 daN) or 10%, Longitudinal Control Position— $\pm 10\%$ of change from trim or ± 0.25 in. (6.3 mm), Vertical Velocity— ± 100 fpm (0.50m/sec) or 10%.	Cruise; or Climb (may use Descent instead of Climb if desired), Augmentation On and Off.	Record results for at least two sideslip angles on either side of the trim point. The force may be shown as a cross plot for irreversible systems. May be a series of snapshot tests.	X	X	X	This is a steady heading sideslip test at a fixed collective position.	