TABLE D2A—FLIGHT TRAINING DEVICE (FTD) OBJECTIVE TESTS—Continued

QPS requirements								Information
Test		Tolerances	Flight conditions	Test details	FTD level			Notes
Entry No.	Title				5	6	7	
2.b.3.a.	Longitudinal	Pitch Rate—±10% or ±2°/sec. Pitch Attitude Change—±10% or 1.5°.	Hover. Augmentation On and Off.	Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases. This test must be conducted in a hover, in ground effect, without entering translational flight.			X	This is a ''short time'' test.
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	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. This test must be conducted in a hover, in ground effect, without entering translational flight.			X	This is a ''short time'' test.
2.b.3.d.	Vertical	Normal Acceleration ±0.1g	Hover Augmentation On and Off.	Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases.			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	