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	
1.j.4.	Autorotational Landing	Torque—±3%, Rotor Speed—±3%, Vertical Velocity—±100 fpm (0.50 m/sec) or 10%, Pitch Attitude—±2°, Bank Attitude—±2°, Heading—±5°, Longitudinal Control Position—±10%, Lateral Control Position—±10%, Directional Control Position—±10%, Collective Control Position—±10%.	Landing	Record the results of an autorotational deceleration and landing from a stabilized autorotational descent, to touch down.			X	If flight test data containing all required parameters for a complete power-off landing is not available from the aircraft manufacturer for this test, and other qualified flight test personnel are not available to acquire this data, the sponsor must coordinate with the NSPM to determine if it would be appropriate to accept alternative testing means. Alternative approaches to this data acquisition that may be acceptable are: (1) A simulated autorotational flare and reduction of rate of descent (ROD) at altitude; or (2) a power-on termination following an autorotational approach and flare.
2.	**Handling Qualities**							
2.a.	Control System Mechanical Characteristics.	Contact the NSPM for clarification of any issue regarding helicopters with reversible controls.						
2.a.1.	Cyclic	Breakout—±0.25 lbs (0.112 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. (This test does not apply if aircraft hardware modular controllers are used.).	X	X	X	