QPS requirements								Information
Test		Tolerance(s)	Flight condition	Test details	Simulator level		tor	Notes
Entry No.	Title]			в	С	D	
3.f.1	Vibrations—to include 1/Rev and n/Rev vibrations (where "n" is the number of main rotor blades).	+ 3db to −6db or ±10% of nominal vibration level in flight cruise and correct trend (see comment).	(a) On ground (idle); (b) In flight	Characteristic vibrations in- clude those that result from operation of the helicopter (for example, high air- speed, retreating blade stall, extended landing gear, vortex ring or settling with power) in so far as vi- bration marks an event or helicopter state, which can be sensed in the flight deck. [See Table C1A, table entries 5.e. and 5.f.]			x	Correct trend refers to a com- parison of vibration ampli- tudes between different maneuvers; e.g., if the 1/ rev vibration amplitude in the helicopter is higher dur- ing steady state turns than in level flight this increasing trend should be dem- onstrated in the simulator. Additional examples of vi- brations may include: (a) Low & High speed transi- tion to and from hover; (b) Level flight; (c) Climb and descent (in- cluding vertical climb; (d) Auto-rotation; (e) Steady Turns.
3.f.2	Buffet—Test against recorded results for characteristic buffet motion that can be sensed in the flight deck.	+ 3db to -6db or ±10% of nominal vibration level in flight cruise and correct trend (see comment).	On ground and in flight.	Characteristic buffets include those that result from oper- ation of the helicopter (for example, high airspeed, re- treating blade stall, ex- tended landing gear, vortex ring or settling with power) in so far as a buffet marks an event or helicopter state, which can be sensed in the flight deck. [See Table C1A, table entries 5.e. and 5.f.]			x	The recorded test results for characteristic buffets should allow the checking of relative amplitude for dif- ferent frequencies. For atmospheric disturbance, general purpose models are acceptable which ap- proximate demonstrable flight test data.
4. Visual Syst	tem							
4.a	Visual System Response Time: (Choose either test 4.a.1. or 4.a.2. to satisfy test 4.a., Visual System Response Time Test. This test is also sufficient for motion system re- sponse timing and flight deck instrument response timing.)							
4.a.1	Latency							

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

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