TABLE C2A—FULL FLIGHT SIMULATOR (FFS) OBJECTIVE TESTS	
QPS requirements	

		4.0.04	inemento					inioination			
Test		Tolerance(s)	Flight condition	Test details	Simulator level			Notes			
Entry No.	Title				в	С	D				
1. Performan	ce						•				
1.a	Engine Assessment										
1.a.1	Start Operations										
1.a.1.a	Engine start and acceleration (transient).	Light Off Time—±10% or ±1 sec., Torque—±5%, Rotor Speed—±3%, Fuel Flow— ±10%, Gas Generator Speed—±5%, Power Tur- bine Speed—±5%, Gas Turbine Temp.—±30 °C.	Ground with the Rotor Brake Used and Not Used, if ap- plicable.	Record each engine start from the initiation of the start sequence to steady state idle and from steady state idle to operating RPM.	х	х	×				
1.a.1.b	Steady State Idle and Oper- ating RPM conditions.	Torque—±3%, Rotor Speed—±1.5%, Fuel Flow—±5%, Gas Generator Speed—±2%, Power Tur- bine Speed—±2%, Turbine Gas Temp.—±20 °C.	Ground	Record both steady state idle and operating RPM condi- tions. May be a series of snapshot tests.	x	x	x				
1.a.2	Power Turbine Speed Trim	$\pm 10\%$ of total change of power turbine speed, or $\pm 0.5\%$ change of rotor speed.	Ground	Record engine response to trim system actuation in both directions.	х	x	x				
1.a.3	Engine and Rotor Speed Governing.	Torque—±5%, Rotor Speed—1.5%.	Climb and descent	Record results using a step input to the collective. May be conducted concurrently with climb and descent per- formance tests.	x	x	x				
1.b	Surface Operations										
1.b.1	Minimum Radius Turn	±3 ft. (0.9m) or 20% of heli- copter turn radius.	Ground	If brakes are used, brake pedal position and brake system pressure must be matched to the helicopter flight test value.	x	x	x				

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