

Table B2A - Flight Training Device (FTD) Objective Tests									
QPS REQUIREMENTS									
Test		Tolerance	Flight Conditions	Test Details	FTD Level			Notes	INFORMATION
Entry Number	Title				5	6	7		
1.c.3.	One Engine Inoperative En route Climb.	±10% time, ±10% distance, ±10% fuel used	Clean	Flight test data or airplane performance manual data may be used.			X		
1.c.4.	One Engine Inoperative Approach Climb for airplanes with icing accountability if provided in the airplane performance data for this phase of flight.	±3 kt airspeed. ±0.5 m/s (100 ft/min) or ±5% rate of climb, but not less than airplane performance data.	Approach	Test for at least a 1,550 m (5,000 ft) segment. Flight test data or airplane performance manual data may be used. FTD performance to be recorded over an interval of at least 300 m (1,000 ft). Test near maximum certificated landing weight as may be applicable to an approach in icing conditions.			X	Airplane should be configured with all anti-ice and de-ice systems operating normally, gear up and go-around flap. All icing accountability considerations, in accordance with the airplane performance data for an approach in icing conditions, should be applied.	
1.d.	Cruise / Descent.								
1.d.1.	Level flight acceleration	±5% Time	Cruise	Time required to increase airspeed a minimum of 50 kt, using maximum continuous thrust rating or equivalent. For airplanes with a small operating speed range, speed change may be reduced to 80% of operational speed change.			X		
1.d.2.	Level flight deceleration.	±5% Time	Cruise	Time required to decrease airspeed a minimum of 50 kt, using idle power.			X		
1.d.3.	Cruise performance.	±.05 EPR or ±3% NI or ±5% of torque. ±5% of fuel flow.	Cruise.	For airplanes with a small operating speed range, speed change may be reduced to 80% of operational speed change. The test may be a single snapshot showing instantaneous fuel flow, or a minimum of two consecutive snapshots with a spread of at least 3 minutes in steady flight.			X		
1.d.4.	Idle descent.	±3 kt airspeed. ±1.0 m/s (200 ft/min) or ±5% of rate of descent.	Clean.	Idle power stabilized descent at normal descent speed at mid altitude. FTD performance to be recorded over an interval			X		