Table A2C - Sample Validation Data Roadmap for Airplanes

ICAO or IATA #	Test Description	CCA Mode	Validation Source		Validation Document						Comments
Notes: 1. Only one page is shown; and some test conditions were deleted for brevity. 2. Relevant regulatory material should be consulted and all applicable tests addressed. 3. Validation source, document and comments provided herein are for reference only and do not constitute approval for use. 4. CCA mode must be described for each test condition. 5. If more than one aircraft type (e.g., derivative and baseline) are used as validation data more columns may be necessary.			Aircraft Flight Test Data	Engineering Simulator Data (DEF-73 Engines)	Aerodynamics POM Doc.#xxx123, Rev. A	Flight Controls POM Doc.#xxx456, NEW	Ground Handling POM Doc. #xxx789, Rev. B	Propulsion POM Doc. #321, Rev. C	Integrated POM Doc. #xxx654, Rev. A	Appendix to this VDR Doc. #xxx987, NEW	*Legend:* D71 = Engine Type (Thrust Rating of 71.5K) D73 = Engine Type (Thrust Rating of 73K) Bold upper case = primary validation source. Lower case, within parentheses = alternative validation source. R = Rationale included in the data package Appendix.
1.a.1.	Minimum Radius Turn.		**X**				**D71**				
1.a.2.	Rate of Turn vs. Nosewheel Angle (2 speeds).		**X**				**D71**				
1.b.1.	Ground Acceleration Time and Distance.		**X**				(d73)		**D73**		Primary data contained in IPOM.
1.b.2.	Minimum Control Speed, Ground (Vmcg).		(x)	**X**	(d71)					**D73**	See engineering rationale for test data in VDR.
1.b.3.	Minimum Unstick Speed (Vmu).		**X**		**D71**						
1.b.4.	Normal Takeoff.		**X**		(d73)				**D73**		Primary data contained in IPOM.
1.b.5.	Critical Engine Failure on Takeoff.		**X**		(d71)					**D73**	Alternative engine thrust rating flight test data in VDR.
1.b.6.	Crosswind Takeoff.		**X**		(d71)					**D73**	Alternative engine thrust rating flight test data in VDR.
1.b.7.	Rejected Takeoff.		**X**		**D71**					**R**	Test procedure anomaly; see rationale.
1.b.8.	Dynamic Engine Failure After Takeoff.			**X**						**D73**	No flight test data available; see rationale.
1.c.1.	Normal Climb – All Engines.		**X**		(d71)				**D71**		Primary data contained in IPOM.
1.c.2.	Climb – Engine-out, Second Segment.		**X**		(d71)					**D73**	Alternative engine thrust rating flight test data in VDR.
1.c.3.	Climb – Engine-out, Enroute.		**X**		(d71)					**D73**	AFM data available (73K).
1.c.4.	Engine-out, Approach Climb.		**X**		**D71**						
1.c.5.a.	Level Flight Acceleration.		(x)	**X**	(d73)					**D73**	Eng sim data w/ modified EEC accel rate in VDR.
1.c.5.b.	Level Flight Deceleration.		(x)	**X**	(d73)					**D73**	Eng sim data w/ modified EEC accel rate in VDR.
1.d.1.	Cruise Performance.		**X**		**D71**						
1.e.1.a.	Stopping Time & Distance (Wheel brakes / Light weight).			**X**	**D71**					(d73)	No flight test data available; see rationale.
1.e.1.b.	Stopping Time & Distance (Wheel brakes/ Med. weight).		**X**	(x)	**D71**					(d73)	
1.e.1.c.	Stopping Time & Distance (Wheel brakes / Heavy weight).		**X**	(x)	**D71**					(d73)	
1.e.2.a.	Stopping Time & Distance (Reverse thrust / Light weight).		**X**	(x)	**D71**					(d73)	
1.e.2.b.	Stopping Time & Distance (Reverse thrust / Med. Weight).			**X**	(d71)					**D73**	No flight test data available; see rationale.