FAA VALIDATION OF EASA COUNTRY
SMALL AIRPLANES
TYPE VALIDATION PRINCIPLES AGREEMENT
NON-SSD POTENTIAL VALIDATION ITEMS

14 CFR Part 23 AMENDMENT 23-59 ***compared to*** CS-23, Amendment 23-1.

VI	**Potential items**	**Rule**	**Import EASA aircraft into USA**
1	Special retroactive requirements	23.2	Some amended type models are older designs that must be upgraded.
2	Accelerate-stop distance	23.55	Commuter category airplanes: Means other than wheel brakes may be used for accelerate-stop distance determination if exceptional skill is not required to control the airplane. EASA CS-23 has no corresponding requirement.
3	Structure: General	23.561	To ensure U.S. compliance methods, appropriate approved facilities utilized.
4	Emergency landing dynamic conditions	23.562	To ensure U.S. compliance methods, appropriate approved facilities utilized.
5	Metallic pressurized cabin structures	23.571	Differing national approaches to the applicability of fatigue rule to derivative model airplanes that may not have been subject to fatigue requirements when initially certificated.
6	Damage tolerance and fatigue evaluation of structure	23.573	Same as above
7	Metallic damage tolerance and fatigue evaluation of commuter category airplanes	23.574	Same as above
8	Landing gear extension and retraction system	23.729(g)	Different requirements of protection considered

			appropriate for landing gear bay mounted components. Retractable gear airplanes.
9	Fire protection of flight controls, engine mounts, and other flight structure	23.865	Specific means of compliance for composites airplanes, testing usually required. Compliance particular to design, specific compliance required for composite firewalls and structure.
10	Electrical bonding and protection against lightning and static electricity	23.867	Composites, but generally applied and also Full Authority Digital Engine Control (FADEC) equipped airplanes. To ensure U.S. compliance methods are used.
11	Engines	23.903(a),	Engine must have part 34 certification: Turbine engine powered airplanes.
12	Engines	23.903(b)	To ensure US compliance methods are used for turbine engine rotorburst.
13	Engine installation ice protection	23.929	For icing approvals to ensure compliance to US methods, especially for icing protection and Foreign Object Damage (FOD) resistance.
14	Fuel system lightning protection	23.954	To ensure U.S. compliance methods are used.
15	Fuel system hot weather operation	23.961	Lack of confidence in analytical analysis, FAA believes that hot fuel test is essential for compliance.
16	Nacelle area behind firewalls	23.1182,	Specific means of compliance for composites airplanes, testing usually required. Compliance particular to design: specific compliance required for composite firewalls and components aft of the firewall.
17	Miscellaneous equipment	23.1307	Maximum altitude and kinds

			of operation
18	High-Intensity Radiated Fields (HIRF) Protection	23.1308	High Intensity Radiated Fields (HIRF) per Subpart J.
19	Equipment, systems, and installations	23.1309	Safety Analyses, Complex Hardware Design Assurance, Data Bus, Software, and Human Factors Special Condition: To ensure compliance to US compliance methods, with respect to specific systems (icing, avionics, electrical, etc.).
20	Electronic display instrument systems	23.1311	If non-electronic standby displays are installed, CS 23.1311 requires an independent magnetic direction indicator and an independent secondary mechanical magnetic direction indicator.
21	Instruments using a power source	23.1331	To ensure all flight instruments using electrical or vacuum power sources have two sources of power. EASA CS 23.1331 is only applicable to gyroscopic instruments.
22	Ice protection	23.1419	To ensure use of specific US compliance methods (memoranda) that requires evaluation of roll control in large supercooled droplets
23	Airspeed limitations	23.1505(c)	Different approaches converting a piston powered airplane to turboprop and structural speed limitations
24	Instructions for Continued Airworthiness	23.1529	To ensure ICA meets US standards of use and content. AEG review involved.
25	Airplane Flight Manual: General	23.1581	Differences in normal, abnormal and emergency information procedures and additional rules for engine restart procedures in 14 CFR, part 23.

26	Airplane Flight Manual: Operating limitations	23.1583	Same as above
27	Airplane Flight Manual: Operating Procedures	23.1585	Same as above
28	Airplane Flight Manual: Performance Information	23.1587	Same as above
29	Airplane Flight Manual: Loading Information	23.1589	Same as above
VI	**Other Regulations**		
1	Validation Flight	21.29	To evaluate aircraft handling, human factors (cockpit) and to qualitatively evaluate.
2	Standard for fuel venting emissions	Part 34.11	Fuel system must comply with 34.11 by design; Foreign Civil Aviation Authority (FCAA) test witnessing is not delegated unless specific bilateral agreement provisions have been implemented regarding environmental approvals.
3	Noise Standards: Aircraft Type and Airworthiness Certification	Part 36	FCAA test witnessing is not delegated unless specific bilateral agreement provisions have been implemented regarding noise approvals.