EASA Team Worksharing per CS 23 Paragraphs - Amdt 4																		
			Project Certification Manager (P0)	Flight and HF (P1)	Structures (P3)	Hydromechanical Systems (P4)	Electrical (P5)	Avionics Systems (P6)	Power Plant Systems & Fuel Systems (P7)	Environmental Systems, Icing (P8)	Software, AEH and Development Assurance (P10)	Cabin Safety (P11)	Safety assessment (P12)	ICA (P14)	Propulsion (P19)	All panels	
CS 23 Paragraph	**Sub-Para**	**Requierment title**	**0**	**1**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**	**12**	**14**	**19**	**All**	**Note**
SUBPART A - GENERAL																	
		Applicability															
23.1	a)	Applicabilty	p													s	
		Aeroplane categories															
23.3	a)	Certification - normal category	p														
23.3	b)	Certification- utility category	p														
23.3	c)	Certification- aerobatic category	p														
23.3	d)	Commuter category- Maneuvres	p														
23.3	e)	Certification- multiple categories	p														
SUBPART B - FLIGHT																	
		Proof of compliance															
23.21	a)	Proof of compliance at appropriate combination for mass and cent		p	s												
23.21	b)	General tolerances		p	s												
		Load distribution limits															
23.23	a)	Conditions		p													
23.23	b)	Load distribution limits		p					s								
		Weight limits															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.25	a)	Maximum weight		p	s												
23.25	b)	Minimum weight		p	s												
		Empty weight and corresponding centre of gravity															
23.29	a)	Considerations for determination/calculation		p	s												
23.29	b)	Condition of the aeroplane		p	s												
		Removable ballast															
23.31	a)	The place for carrying the ballast		p													
23.31	b)	Instructions for proper placement		p					s								
		Propeller speed and pitch limits															
23.33	a)	General		p					s								
23.33	b)	Propellers not controllable in flight		p					s								
23.33	c)	Controllable pitch propellers without constant speed controls		p					s								
23.33	d)	Controllable pitch propellers with constant speed controls		p					s								
		PERFORMANCE															
		General															
23.45	a)	Generic conditions		p					s								
23.45	b)	Performance data- consditions		p					s								
23.45	c)	Performance data- other consditions		p					s								
23.45	d)	Propulsive thrust		p					s								
23.45	e)	Performance- humidity conditions		p					s								
23.45	f)	Determination of changes in the aeroplane’s configuration, speed and power		p					s								
23.45	g)	T/O and Landing distances- runway conditions		p					s								
23.45	h)	Commuter category- additional requierments		p					s								
		Stalling speed															
23.49	a)	Stalling speeds		p					s								
23.49	b)	Determination of stalling speeds		p													
23.49	c)	Stalling speed at maximum weight		p					s								
23.49	d)	Conditions for single engine and certain twin engines a/c at stalling speed and maximum weight being unable to climb with one inoperative engine		p					s								
		Take-off speeds															
23.51	a)	rotation speed Vr- normal and utility categories		p		s											

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.51	b)	speed at 15 m (50 ft) above the take-off surface level - normal, utility, aerobatic category		p													
23.51	c)	speeds for commuter category		p		s			s								
		Take-off performance															
23.53	a)	take-off distance- N, U, A		p													
23.53	b)	conditions for determination of T/O disctance and climb to a heigh of 15 m (50 ft) above T/O surface		p					s								
23.53	c)	Take-off performance - C		p					s								
		Accelerate-stop distance															
23.55	a)	accelerate-stop distance - C		p		s			s								
23.55	b)	Use of means other than wheel-brakes		p		s											
		Take-off path															
23.57	a)	Take-off path determination		p													
23.57	b)	Take-off path determination- LDG conditions		p		s											
23.57	c)	Take-off path determination - additional requierments		p					s								
23.57	d)	take-off path to 11 m (35 ft) above the take-off surface		p													
23.57	e)	determination of take-off flight path from 11 m (35 ft) above the take-off surface		p													
		Take-off distance and take-off run															
23.59	a)	determination of Take-off distance		p													
23.59	b)	determination of take-off run (optional)		p													
		Take-off flight path															
23.61	a)	the take-off flight path determination		p													
23.61	b)	The net take-off flight path data must		p													
23.61	c)	The prescribed reduction in climb gradient		p													
		Climb: general															
23.63	a)	showing of compliance- general conditions		p													
23.63	b)	showing of compliance- additional conditions N,U,A reciprocated- powered aircraft >2722 kg		p													
23.63	c)	showing of compliance- additional conditions N,U,A reciprocated- powered aircraft <2722 kg		p													
23.63	d)	showing of compliance- conditions C a/c		p													
		Climb: all engines operating															
23.65	a)	steady gradient of climb - N,U,A reciprocated- powered aircraft >2722 kg		p					s								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.65	b)	steady gradient of climb - N,U,A reciprocated- powered aircraft >2722 kg		p					s								
		Take-off climb: one-engine-inoperative															
23.66	a)	Take-off climb: one-engine-inoperative		p					s								
		Climb: one-engine-inoperative															
23.67	a)	Climb: one-engine-inoperative conditions N,U,A reciprocated- powered aircraft >2722 kg		p					s								
23.67	b)	Climb: one-engine-inoperative conditions N,U,A reciprocated- powered aircraft <2722 kg		p					s								
23.67	c)	steady gradient of climb- conditions for C a/c		p					s								
		En-route climb/descent															
23.69	a)	All engines operating		p					s								
23.69	b)	One-engine-inoperative		p					s								
		Glide (Single-engined aeroplanes)															
23.71	a)	glide determination		p					s								
		Reference landing approach speed															
23.73	a)	Vref determination - N,U,A reciprocated- powered aircraft >2722 kg		p		s			s								
23.73	b)	Vref determination - N,U,A reciprocated- powered aircraft <2722 kg and turbine engined powered a/c		p		s			s								
23.73	c)	Vref determination- C a/c		p		s			s								
		Landing distance															
23.75	a)	Landing distance considerations- steady approach		p													
23.75	b)	Landing distance considerations- constant configuration		p													
23.75	c)	Landing distance considerations- no excessive vertical acceleration, etc		p													
23.75	d)	Landing distance considerations- safe transition to the balked landing conditions		p													
23.75	e)	Landing distance considerations- brakes		p		s											
23.75	f)	Landing distance considerations- retardation means		p		s											
23.75	g)	Landing distance considerations- engine inoperative		p		s			s								
		Balked landing															
23.77	a)	Steady gradient of climb min 3,3%- N,U,A reciprocated- powered aircraft <2722 kg		p					s								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.77	b)	Steady gradient of climb min 2,5% - N,U,A reciprocated-powered aircraft >2722 kg and turbine engined powered a/c		p					s								
23.77	c)	Steady gradient of climb min 3,2%- C a/c		p					s								
		FLIGHT CHARACTERISTICS															
		General															
23.141	a)	Flight characteristics- General		p													
		CONTROLLABILITY AND MANOEUVRABILITY															
		General															
23.143	a)	Controllability and maneouvrability- all flight phases		p													
23.143	b)	Determine structural design loads at all critical combinations of parameters		p	s												
23.143	c)	Magnitute and distribution of the loads		p	s												
		Longitudinal control															
23.145	a)	pitch the nose downwards- conditions		p													
23.145	b)	Performance of maneouvres- conditions		p													
23.145	c)	manoeuvring capability of 1.5g		p													
23.145	d)	pilot control force vs maintain a speed of not more than VREF- co		p													
23.145	e)	establish a zero rate of descent- conditions		p													
		Directional and lateral control															
23.147	a)	Directional control for twin-engined a/c		p					s								
23.147	b)	Lateral control for twin-engined a/c		p					s								
23.147	c)	contolability and flight characteristics		p					s								
		Minimum control speed															
23.149	a)	Control of the a/c- Vmc		p					s								
23.149	b)	determination of Vmc for take-off- conditions		p					s								
23.149	c)	Control of the a/c- Vmc- landing configuration		p					s								
23.149	d)	Establishing the one-engine inoperative speed, VSSE.		p					s								
23.149	e)	ruder pedal force		p					s								
23.149	f)	determination of VMCG, the minimum control speed on the ground		p					s								
		Aerobatic manoeuvres															
23.151		Aerobatic manoeuvres - safe entry speeds		p													
		Control during landings															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.153	a)	Control during landings -conditions at Vref		p													
23.153	b)	Control during landings -conditions with a/c in trim		p													
23.153	c)	Control during landings -conditions approach gradient		p													
23.153	d)	Control during landings -conditions with only those power changes		p													
		Elevator control force in manoeuvres															
23.155	a)	Elevator control force in manoeuvres- conditions		p													
23.155	b)	Sub-para a) with wing flaps and landing gear retracted- conditions		p													
23.155	c)	no excessive decrease in the gradient of the curve of stick force vs manoeuvring load factor with increasing load factor.		p													
		Rate of roll															
23.157	a)	Take-off- conditions		p													
23.157	b)	Sub-para a) other conditions		p						s							
23.157	c)	Approach		p													
23.157	d)	Sub-para c) other conditions		p													
		TRIM															
		Trim															
23.161	a)	General		p		s											
23.161	b)	Lateral and directional trim		p													
23.161	c)	Longitudinal trim		p													
23.161	d)	Longitudinal and directional trim - twin-engined a/c		p		s											
23.161	e)	Commuter category- conditions		p		s											
		STABILITY															
		General															
23.171	a)	Stability- General		p													
		Elevator control force in manoeuvres															
23.173	a)	Characteristics of the elevator control forces		p													
23.173	b)	Airspeed- tolerances		p													
23.173	c)	Stick force		p													
		Demonstration of static longitudinal stability															
23.175	a)	Climb		p													
23.175	b)	Cruise		p													
23.175	c)	Landing		p													

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
		Static directional and lateral stability															
23.177	a)	Static directional stability		p													
23.177	b)	Static lateral stability		p					s								
23.177	c)	Static lateral stability- not for aerobatics		p													
23.177	d)	Sideslip		p													
		Dynamic stability															
23.181	a)	Dynamic stability - conditions		p													
23.181	b)	Dutch Roll - damping consitions		p													
23.181	c)	Phugoid - conditions		p													
		STALLS															
		Wings level stall															
23.201	a)	Produce and correct roll and yaw		p													
23.201	b)	Wings level stall characteristics		p		s											
23.201	c)	Normal use of elevator control for recovery		p													
23.201	d)	Normal use of elevator control for recovery maneouvre- other conditions		p													
23.201	e)	Compliance with the requierments- conditions		p													
		Turning flight and accelerated turning stalls															
23.203	a)	Turning flight and accelerated turning stalls - test conditions: Establish and maintain a co-ordinated turn in a 30° bank.		p													
23.203	b)	Turning flight and accelerated turning stalls - test conditions: regain level flight		p													
23.203	c)	Turning flight and accelerated turning stalls - other test conditions		p													
		Stall warning															
23.207	a)	Presence of the stall warning		p													
23.207	b)	Stall warning trigger capabilities		p													
23.207	c)	Stall test conditions		p													
23.207	d)	Stall warning conditions.		p						s							
23.207	e)	Stall warning timing considerations		p													
23.207	f)	artificial stall warning condition- aerobatic a/c		p													
		SPINNING															
		Spinning															
23.221	a)	Conditions for Normal Category aeroplanes		p													

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.221	b)	Conditions for Utility Category aeroplanes		p													
23.221	c)	Conditions for Aerobatic Category aeroplanes		p													
		GROUND AND WATER HANDLING CHARACTERISTICS															
		Longitudinal stability and control															
23.231	a)	Longitudinal stability - landplane		p		s											
23.231	b)	Controlability characteristics - seaplane		p		s											
		Directional stability and control															
23.233	a)	A 90° cross-component of wind velocity		p													
23.233	b)	Controlability - power off conditions		p						s							
23.233	c)	Directional control in taxying conditions		p													
23.233	d)	Directional stability and control - seaplanes		p													
		Operation on unpaved surfaces															
23.235	a)	Operation on unpaved surfaces		p	s												
		Operation on water															
23.237	a)	Operation on water		p	s												
		Spray characteristics															
23.239	a)	Spray characteristics		p	s												
		MISCELLANEOUS FLIGHT REQUIREMENTS															
		Vibration and buffeting															
23.251	a)	Vibration and buffeting		p	s												
		High speed characteristics															
23.253	a)	High speed operating conditions and characteristics		p													
23.253	b)	Recovery to a normal attitude and speed reduced to VMO/MMO c		p	s												
23.253	c)	Conditions for Aerobatic Category aeroplanes		p													
		SUBPART C - STRUCTURES															
		GENERAL															
		Loads															
23.301	a)	Limit loads			p												
23.301	b)	Loading conditions			p												
23.301	c)	Deflections under loads			p												
23.301	d)	Simplified structural design criteria			p												
		Canard or tandem wing configurations															
23.302	a)	Requirements of subpart C and subpart D of CS-23 applicable to a wing			p												

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.302	b)	Requirements applicable to the function performed by these surfaces			p												
		Factor of safety															
23.303	a)	Factor of safety 1,5			p												
		Strength and deformation															
23.305	a)	deformation - limit loads			p	s											
23.305	b)	Ultimate loads			p												
		Proof of structure															
23.307	a)	23.305 compliance in each critical condition			p												
23.307	b)	Tests reqs for certain parts of the structure			p												
		FLIGHT LOADS															
		General															
23.321	a)	Flight load factores			p												
23.321	b)	Flight load- showing compliance			p												
23.321	c)	Effect of the compresibility			p												
		Symmetrical flight conditions															
23.331	a)	balancing horizontal tail load			p												
23.331	b)	Incremental horizontal tail load			p												
23.331	c)	Influence of the aerodynamic surfaces			p												
		Flight envelope															
23.333	a)	General			p												
23.333	b)	Maneouvering envelope			p												
23.333	c)	Gust envelope			p												
23.333	d)	Flight envelope			p												
		Design airspeeds															
23.335	a)	Design cruising speed - VC			p												
23.335	b)	Design dive speed - VD			p												
23.335	c)	Design manoeuvring speed - VA.			p												
23.335	d)	Design speed for maximum gust intensity - VB			p												
		Limit manoeuvring load factors															
23.337	a)	Positive limit manoeuvring load factor - conditions			p												
23.337	b)	Negative limit manoeuvring load factor - conditions			p												
23.337	c)	Manoeuvring load factors < a), b)			p												
		Gust load factors															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.341	a)	Withstanding gust loads			p												
23.341	b)	Calculation for gust load for a canard or tandem wing configuration			p												
23.341	c)	Gust alleviation factor Kg - Alternative analysis than b)			p												
		Design fuel loads															
23.343	a)	Disposable load combinations			p												
23.343	b)	Maximum zero wing fuel weight			p												
23.343	c)	Structural reserve fuel condition			p												
		High lift devices															
23.345	a)	Flaps/ high lift devices			p												
23.345	b)	Calculation of VF			p												
23.345	c)	External loads determination considerations			p												
23.345	d)	Flaps- design conditions			p	s											
		Unsimmetrical flight conditions															
23.347	a)	Unsymmetrical flight conditions			p												
23.347	b)	Considerations for flick manoeuvres - aerobatic a/c			p												
		Rolling conditions															
23.349	a)	Desing loading conditions for wing and wing bracing 1			p												
23.349	b)	Desing loading conditions for wing and wing bracing 2			p												
		Yawing conditions															
23.351		Yawing loads			p												
		Engine torque															
23.361	a)	Design considerations engine mount			p				s								
23.361	b)	Design considerations engine mount - turbined- engine			p				s								
23.361	c)	Calculation of limit engine torque			p				s								
		Sideload engine mount															
23.363	a)	Engine mount - sideload			p												
23.363	b)	Sideload calculation considerations			p												
		Pressurised cabin loads															
23.365	a)	Aeroplane structure			p												
23.365	b)	The external pressure distribution in flight and any stress concentrations			p												
23.365	c)	Landing considerations			p												

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.365	d)	1,33 factor															
23.365	e)	Primary structure design consideration			p	s											
		Unsymmetrical loads due to engine failure															
23.367	a)	unsymmetrical loads - turbopropeller a/c			p					s							
23.367	b)	Pilot corrective actions		s	p												
		Rear lift truss															
23.369	a)	Rear lift truss conditions			p					s							
23.369	b)	Calculation consideration			p												
		Gyroscopic and aerodynamic loads															
23.371	a)	Design considerations engine mount			p												
23.371	b)	Design considerations for commuter a/c			p												
23.371	c)	Design considerations for aerobatic a/c			p												
		Speed control devices															
23.373	a)	Considerations for speed control devices			p	s											
23.373	b)	Desidn conditions in case of automatic operating or load limiting features			p												
		CONTROL SURFACE AND SYSTEM LOADS															
		Control surface loads															
23.391	a)	Control surface loads			p												
		Loads parallel to hinge line															
23.393	a)	Control surfaces and supporting hinge brackets			p												
23.393	b)	Caluculation considerations of inertia loads			p												
		Control system loads															
23.395	a)	Design conditions of flight control system and its supporting structure			p	s											
23.395	c)	Calculation factor			p												
23.395	b)	Pilot forces considerations			p	s											
		Limit control forces and torques															
23.397	a)	Control surface flight loading condition			p	s											
23.397	b)	The limit pilot forces and torques			p	s											
		Dual control system															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.399	a)	Design consideration - pilot forces opposite direction			p	s											
23.399	b)	Design consideration - pilot forces same direction			p	s											
		Secondary control system															
23.405	a)	Secondary control system design considerations			p	s											
		Trim tab effects															
23.407	a)	Trim tab effects			p	s											
		Tabs															
23.409	a)	Tabs			p	s											
		Ground gust conditions															
23.415	a)	Ground gust conditions- design considerations			p	s											
23.415	b)	The limit hinge moment factor K			p	s						s					
23.415	c)	Control system, surfaces and associated gust locks			p	s											
		HORIZONTAL TAIL SURFACES															
		Balancing loads															
23.421	a)	Horizontal surface balancing load			p	s											
23.421	b)	Horizontal balancing surfaces design considerations			p	s											
		Manoeuvring loads															
23.423	a)	Design considerations for maneouvering loads			p	s											
23.423	b)	Design considerations for maneouvering loads			p	s											
		Gust loads															
23.425	a)	Horizontal surface other than a main wing			p												
23.425	b)	Reserved															
23.425	c)	Total load on the horizontal surfaces			p												
23.425	d)	The incremental load due to the gust			p												
		Unsymmetrical loads															
23.427	a)	Unsymmetrical loads			p												
23.427	b)	Design assumptions			p												
23.427	c)	Design assumptions - unconventional a/c			p												
		VERTICAL SURFACES															
		Manoeuvring loads															
23.441	a)	Manoeuvring loads – Vertical surfaces			p												
23.441	b)	Manoeuvring loads – Commuter a/c			p												
23.441	c)	Yaw angle considerations			p												
		Gust loads															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.443	a)	Gust loads – Vertical surfaces			p												
23.443	b)	Gust load – Commuter a/c			p												
23.443	c)	Gust load calculation			p												
		Outboard fins or winglets															
23.445	a)	Outboard fins or winglets included on the horizontal surfaces or wings			p												
23.445	b)	Outboard fins or winglets extend above and below the horizontal surface			p												
23.445	c)	The endplate effects of outboard fins or winglets			p												
23.445	d)	Rational methods used for computing loads			p												
		AILERONS AND SPECIAL DEVICES															
		Ailerons															
23.455	a)	Ailerons- design loads			p	s											
		Special devices															
23.459	a)	The loading for special devices			p	s											
		GROUND LOADS															
		General															
23.471	a)	The limit ground loads			p												
		Ground load conditions and assumptions															
23.473	a)	The ground load requirements conditions			p												
23.473	b)	The design landing weight			p												
23.473	c)	The design landing weight - twin-engined a/c			p												
23.473	d)	The selected limit vertical inertia load factor			p												
23.473	e)	Wing lift assumption			p												
23.473	f)	energy absorption tests conditions			p												
23.473	g)	Inertia load factor - design conditions			p												
		Landing gear arrangement															
23.477	a)	Landing gear arrangement design considerations			p												
		Level landing conditions															
23.479	a)	Level landing- attitude assumtions			p												
23.479	b)	Investigation of landing conditions			p												
23.479	c)	Methods for calculation of the wheel spin-up and spring-back loads for landing conditions			p												
23.479	d)	Tip tanks for turbo-propeller or jet engines			p												

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
		Tail down landing conditions															
23.481	a)	Tail down landing - attitude assumtions			p												
23.481	b)	Ground reactions			p												
		One-wheel landing conditions															
23.483	a)	One-wheel landing conditions			p												
		Sideload conditions															
23.485	a)	Sideload conditions - design assumtions			p												
23.485	b)	The limit vertical load factor			p												
23.485	c)	The limit side inertia factor			p												
23.485	d)	Sideload considerations for c)			p												
		Braked roll conditions															
23.493	a)	The limit vertical load factor			p												
23.493	b)	The attitudes and ground contacts			p												
23.493	c)	Drag reaction			p												
		Supplementary conditions for tail wheels															
23.497	a)	The obstruction load			p												
23.497	b)	The sideload			p												
23.497	c)	Tail wheel, bumper, or an energy absorption device - design considerations			p												
		Supplementary conditions for nose wheels															
23.499	a)	Aft loads			p												
23.499	b)	Forward loads			p												
23.499	c)	Sideloads - limit force			p												
23.499	d)	Maximum statis reaction			p												
23.499	e)	Steering torque			p												
		Supplementary conditions for ski-planes															
23.505	a)	Supplementary conditions for ski-planes			p												
		Jacking loads															
23.507	a)	Jacking loads - design consideations			p												
23.507	b)	The horizontal loads at the jack points			p												
23.507	c)	Considerations for the horizontal loads			p												
		Towing loads															
23.509	a)	Considerations for towing loads			p												

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.509	b)	Considerations for towing points other than on the landing gear			p												
23.509	c)	Reactions for towing loads under d)			p												
23.509	d)	Prescribed towing loads			p												
		Ground load; unsymmetrical loads on multiple-wheel ur															
23.511	a)	Pivoting loads			p												
23.511	b)	Unequal tyre loads			p												
23.511	c)	Deflated tyre loads			p												
WATER LOADS																	
		Water load conditions															
23.521	a)	Water loads design considerations- seaplanes and amphibians			p												
23.521	b)	Rational analysis for the water loads			p												
		Design weights and centre of gravity positions															
23.523	a)	Design weights			p												
23.523	b)	Centre of gravity positions			p												
		Application of loads															
23.525	a)	Considerations - load factors condition			p												
23.525	b)	Distribution of loads			p												
23.525	c)	Float considerations			p												
23.525	d)	Aerodynamic lift on the seaplane			p												
		Hull and main float load factors															
23.527	a)	Water reaction load factors nw formulas			p												
23.527	b)	Other values considerations			p												
23.527	c)	Factor K1			p												
		Hull and main float landing conditions															
23.529	a)	Symmetrical step, bow, and stern landing			p												
23.529	b)	Unsymmetrical landing for hull and single float seaplanes			p												
23.529	c)	Unsymmetrical landing; twin float seaplanes			p												
		Hull and main float take-off condition															
23.531	a)	Aerodynamic wing lift assumption			p												
23.531	b)	Inertia load factor consideration and formula			p												
		Hull and main float bottom pressures															
23.533	a)	General			p												

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.533	b)	Local pressures			p												
23.533	c)	Distributed pressures			p												
		Auxiliary float loads															
23.535	a)	General			p												
23.535	b)	Step loading			p												
23.535	c)	Bow loading			p												
23.535	d)	Unsymmetrical step loading			p												
23.535	e)	Unsymmetrical bow loading			p												
23.535	f)	Immersed float condition			p												
23.535	g)	Float bottom pressures			p												
		Seawing loads															
23.537	a)	Seawing design loads			p												
		EMERGENCY LANDING CONDITIONS															
		General															
23.561	a)	General			p							s					
23.561	b)	Design consideration - structure			p							s					
23.561	c)	Design consideration - landing			p							s					
23.561	d)	Design consideration - structure; turnover			p							s					
23.561	e)	Design consideration - supporting structure;			p							s					
		Emergency landing dynamic conditions															
23.562	a)	Seat/restraint system			p							p					
23.562	b)	Dynamic test			p							p					
23.562	c)	Compliance with the requierments- dynamic test			p							p					
23.562	d)	Design consideration for single engine a/c			p							p					
23.562	e)	Alternate approach for occupant protection			s							p					
		FATIGUE EVALUATION															
		Metallic pressurised cabin structures															
23.571	a)	Methods for fatigue strength investigation			p												
23.571	b)	Fail safe strength investigation consideration			p												
23.571	c)	Damage tolerance evaluation			p												
		Metallic wing, empennage and associated structures															
23.572	a)	Fatigue strength investigation			p												
23.572	b)	Evaluation consideration			p												
		Damage tolerance and fatigue evaluation of structure															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.573	a)	Composite airframe structure			p												
23.573	b)	Metallic airframe structure			p												
		Metallic damage tolerance and fatigue evaluation of commuter category aeroplanes															
23.574	a)	Metallic damage tolerance- commuter a/c			p												
23.574	b)	Fatigue (safe-life) evaluation - commuter a/c			p												
		Inspections and other procedures															
23.575	a)	Inspections and other procedures			p									s			
SUBPART D - DESIGN AND CONSTRUCTION																	
		General															
23.601	a)	General	p		s	s	s	s	s	s							
		Materials and workmanship															
23.603	a)	The suitability and durability of materials			p												
23.603	b)	Workmanship			p												
		Fabrication methods															
23.605	a)	The methods of fabrication			p			s	s	s							
23.605	b)	Test program			p			s	s	s							
		Fasteners															
23.607	a)	Removable fastener			p	p			p	p							
23.607	b)	Fasteners and their locking devices			p	p			p	p							
23.607	c)	Considerations for self-locking nut			p	p			p	p							
		Protection of structure															
23.609	a)	Protection against deterioration or loss of strength			p												
23.609	b)	Adequate provisions for ventilation and drainage			p												
		Accessibility provisions															
23.611	a)	Accessibility provisions			p/s	p/s	p/s		p/s	p/s				p			depending on the complexity of the project. For a TC P14 will be involved, whereas for smaller projects, the other panels can act as primary.
		Material strength properties and design values															
23.613	a)	Material strength properties			p												

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.613	b)	Considerations for design values			p												
23.613	c)	Considerations on the effects of temperature on allowable stresses			p												
23.613	d)	Probability of catastrophic fatigue failure - design considerations			p												
23.613	e)	Design values -strenght properties			p												
		Special factors															
23.619	a)	Special factors			p												
		Casting factors															
23.621	a)	General			p												
23.621	b)	Bearing stresses and surfaces			p												
23.621	c)	Critical castings			p												
23.621	d)	Non critical castings			p												
23.621	e)	Non-structural castings			p												
		Bearing factors															
23.623	a)	General			p												
23.623	b)	Compliance with hinge and joints factors			p												
		Fitting factors															
23.625	a)	Fitting factor considerations			p												
23.625	b)	Other fitting factor considerations in joint design			p												
23.625	c)	Integral fitting considerations			p												
23.625	d)	Considerations for each seat, berth, safety belt and harness, its attachment to the structure			p												
		Fatigue strenght															
23.627	a)	General			p												
		Flutter															
23.629	a)	General			p												
23.629	b)	Flight flutter tests			p												
23.629	c)	Analysis used to predict freedom from flutter			p												
23.629	d)	Other method to show that the aeroplane is free from flutter			p												
23.629	e)	Dynamic evaluation - turbo-propeller a/c			p												
23.629	f)	Considerations for Freedom from flutter, control reversal and divergence up to VD/MD			p												

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.629	g)	a/c related todamage-tolerance criteria - analysis methods			p												
23.629	h)	a/c related to fail-safe criteria - analysis methods			p												
23.629	i)	Design modifications			p												
WINGS																	
		Proof of strength															
23.641	a)	Proof of strength			p												
CONTROL SURFACES																	
		Proof of strength															
23.651	a)	Limit load tests			p												
23.651	b)	Rigging loads			p												
		Installation															
23.655	a)	Movable surfaces			s	p											
23.655	b)	Considerations for adjustable stabiliser			s	p											
		Hinges															
23.657	a)	Control surface hinges - factor of safety			p												
23.657	b)	Considerations for ball or roller bearing hinges			p												
		Mass balance															
23.659	a)	Design conditions - 24g normal to the plane of the control surface;			p												
23.659	b)	Design conditions - 12g fore and aft; and			p												
23.659	c)	Design conditions - 12g parallel to the hinge line			p												
CONTROL SYSTEMS																	
		General															
23.671	a)	General		s		p											
23.671	b)	Arrangement		s		p											
		Stability augmentation and automatic and power operated systems															
23.672	a)	Warning systems		s		p											
23.672	a)	Design of the stability augmentation system		s		p											
23.672	c)	Failure condition of the stability augmentation system		s		p											
		Primary flight controls															
23.673	a)	Primary flight controls				p											
		Stops															
23.675	a)	Stop features		s		p											
23.675	b)	Stop - design considerations		s		p											

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.675	c)	Design loads conditions			s	p											
		Trim systems															
23.677	a)	Precautions means		s		p											
23.677	b)	Trimming devices - design considerations		s		p											
23.677	c)	Tab controls		s		p											
23.677	d)	Trim system runaway		s		p											
		Control system locks															
23.679	a)	Warning		s		p											
23.679	b)	Disengaging and other limitations means		s		p											
23.679	c)	Means to preclude the possibility of it becoming inadvertently engaged in flight		s		p											
		Limit load static tests															
23.681	a)	Test methods			s	p											
23.681	b)	Special factor requierements			s	p											
		Operation tests															
23.683	a)	Operation tests		s	s	p											
23.683	b)	Prescribed load tests		s	s	p											
		Control system details															
23.685	a)	Design details		s		p											
23.685	b)	means to prevent FOD		s		p											
23.685	c)	Means to prevent the slapping of cables or tubes against other parts		s		p											
23.685	d)	Design features to prevent incorect assembly		s		p											
		Spring devices															
23.687	a)	Spring devices			s	p											
		Cable systems															
23.689	a)	approved specifications				p											
23.689	b)	Pulleys - design features				p											
23.689	c)	Fairleads				p											
23.689	d)	Clevis pins				p											
23.689	e)	Turnbuckles				p											
23.689	f)	Tab control cables				p											
		Joints															
23.693	a)	Joints				p											

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
		Wing flap controls															
23.697	a)	Design considerations				p											
23.697	b)	Rate of movement of the flaps		s		p											
23.697	c)	Wing flap control lever setting				p											
		Wing flap position indication															
23.699	a)	Flap installations with only the retracted and fully extended position				p		s									
23.699	b)	Flap installation with intermediate flap positions				p											
		Flap interconnection															
23.701	a)	Design considerations for the main wing flaps and related movable surfaces				p											
23.701	b)	Flap interconnection - safe flight characteristics		s		p											
23.701	c)	Considerations for unsymmetrical loads				p											
		Take-off warning system															
23.703	a)	Take-off warning system- deasign features		s		p		s									
23.703	b)	Activation means and conditions		s		p											
		LANDING GEAR															
		General															
23.721	a)	Design considerations failure mode				p			s								
23.721	b)	Design considerations - no fire hazard			s	p			s								
23.721	c)	Methods of compliance				p			s								
		Shock absorption tests															
23.723	a)	Energy absorption tests/ analysis			p	s											
23.723	b)	Reserve energy absorption capacity test			p	s											
		Limit drop tests															
23.725	a)	Free drop test considerations			p	s											
23.725	b)	Effective weight to be used in the drop test			p	s											
23.725	c)	Limit inertia load factor			p	s											
23.725	d)	Considerations for the deflection under impact of the tyre plus the vertical component of the axle travel relative to the drop mass			p	s											
23.725	e)	Limit inertia load factor formula			p	s											
23.725	f)	Considerations for the limit inertia load factor			p	s											
		Ground load dynamic tests															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.726	a)	Drop test considerations			p	s											
23.726	b)	Critical landing condition - proof of strength			p	s											
		Reserve energy absorption drop tests															
23.727	a)	Drop height considerations			p	s											
23.727	b)	Effective mass			p	s											
		Landing gear extension and retraction system															
23.729	a)	General			s	p											
23.729	b)	Landing gear lock				p											
23.729	c)	Emergency operation				p											
23.729	d)	Operation test		s		p											
23.729	e)	Position indicator		s		p											
23.729	f)	Landing gear warning		s		p											
23.729	g)	Equipment located in the landing gear bay				p											
		Wheels															
23.731	a)	Maximum static load			s	p											
23.731	b)	Maximum limit load			s	p											
		Tyres															
23.733	a)	Tyre ratings			s	p											
23.733	b)	Considerations for specially constructed tyres				p											
23.733	c)	Tyre installed on a retractable landing gear system				p											
		Brakes															
23.735	a)	General				p											
23.735	b)	Considerations for rolling on a paved runaway				p											
23.735	c)	Pressure in the wheel braking system				p											
23.735	d)	Anti-skid devices				p											
23.735	e)	Rejected take-off brake kinetic energy capacity rating - commuter a/c				p											
		Skis															
23.737	a)	General			p												
		Nose/tail-wheel steering															
23.745	a)	General		p		s											
23.745	b)	Movement of the pilots steering control		p		p											
		FLOATS AND HULLS															
		Main float buoyancy															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.751	a)	Design considerations main float			p												
23.751	b)	Content considerations			p												
		Main float design															
23.753	a)	Main float design			p												
		Hulls															
23.755	a)	Watertight compartments			p												
23.755	b)	Watertight doors			p												
		Auxiliary floats															
23.757	a)	Auxiliary floats			p												
		PERSONNEL AND CARGO ACCOMMODATIONS															
		Pilot compartment															
23.771	a)	Pilot compartment		p	s												
23.771	b)	Partition flightcrew/passengers		p								p					
23.771	c)	Aerodynamic controls		p		p											
		Pilot compartment view															
23.773	a)	Pilot compartment view		s				s		p							
23.773	b)	Means to remove or prevent the formation of fog or frost		s						p							
		Windshields and windows															
23.775	a)	Internal panels of windshields and windows			p												
23.775	b)	Windshields, windows and canopies design considerations pressurize			p												
23.775	c)	Enclosure canopy pressurized a/c			p												
23.775	d)	Windshields, window panels and canopies HPA a/c			p												
23.775	e)	Windshield and side windows		p/s													check with Panel 1
23.775	f)	Means to prevent or to clear accumulations of ice from the windshield		s						p							
23.775	g)	Transparency heating system			s					p							
23.775	h)	other requierements commuter a/c			p												
		Cockpit controls															
23.777	a)	Location and identification		p													
23.777	b)	Control location and arrangement		p													
23.777	c)	Powerplant controls		p					p								
23.777	d)	Control location order		p													
23.777	e)	Identical powerplant control twin engine		p					s								
23.777	f)	Wing flap and auxiliary lift device controls		p		s											

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.777	g)	Landing gear control		p		s			s								
23.777	h)	Fuel feed selector control		p					p								
		Motion and effect of cockpit controls															
23.779	a)	Aerodynamic controls		p		s											
23.779	b)	Powerplant and auxiliary controls		p		s			p								
		Cockpit control knob shape															
23.781	a)	Flap and landing gear control knobs		p		s											
23.781	b)	Powerplant control knobs		p					p								
		Doors															
23.783	a)	External door				p						s					
23.783	b)	Passenger door location				p											
23.783	c)	Requierements for external passenger or crew door			s	p											
23.783	d)	Requierements for external passenger or crew door - commuter a/c				p											
23.783	e)	Requierements for external door - commuter a/c, external door forward of any engine or propeller on a normal, utility, or aerobatic category a/c, and each door of the pressure vessel on a pressurised a/c				p											
23.783	f)	additional requierements commuter a/c			s	p											
23.783	g)	Lavatory doors			s							p					
		Seats, berths, litters, safety belts and shoulder harnesses															
23.785	a)	Seat or berth			s							p					
23.785	b)	Considerations for forward-facing or aft-facing seat/ restraint system in normal, utility, or aerobatic category aeroplanes										p					
23.785	c)	Design considerations seat and its structure - commuter a/c			s							p					
23.785	d)	Restraint system - single point release										p					
23.785	e)	Restraint system crew member										p					
23.785	f)	Pilot seat										p					
23.785	g)	Means to secure each safety belt and shoulder harness										p					
23.785	h)	Parachute- utility, anerobatic a/c										p					
23.785	i)	Occupant protection										p					
23.785	j)	Seat track										p					
23.785	k)	Design considerations seat/restraint system										p					

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.785	l)	Front seat										p					
23.785	m)	Berth, litter			p							p					
23.785	n)	Proof of compliance with the static strength requirements			p							p					
		Baggage and cargo compartments															
23.787	a)	Baggage and cargo compartment			p							p					
23.787	b)	Occupant protection			p							p					
23.787	c)	Flight crew emergency exits - cargo			s							p					
		Passenger information signs															
23.791	a)	Passenger information signs										p					
23.791	b)	Installation considerations										p					
		Emergency evacuation															
23.803	a)	Evacuation demonstration										p					
23.803	b)	Considerations for emergency lighting system during the evacuation demonstraion										p					
		Flight crew emergency exits															
23.805	a)	Flight crew emergency exit										p					
23.805	b)	Emergency exit - location and size										p					
23.805	c)	Assisted means										p					
		Emergency exits															
23.807	a)	Number and location										p					
23.807	b)	Type and operation				s						p					
23.807	c)	Tests										p					
23.807	d)	Doors and exits				s						p					
23.807	e)	Ditching emergency exits - commuter aircraft										p					
		Emergency exit marking															
23.809	a)	Marking										p					
23.809	b)	Marking - additional requierement for commuter a/c										p					
23.809	c)	Additional provisions to the emergency exit										p					
		Emergency lighting															
23.812	a)	Emergency lighting system					s					p					
23.812	b)	Crew warning light					s					p					
23.812	c)	Manual operation					s					p					
23.812	d)	Means to safeguard against inadvertent operation of the cockpit control device					s					p					

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.812	e)	Emergency lighting activation					s					p					
23.812	f)	Considerations for armed emergency lighting system					s					p					
23.812	g)	Deactivation/Resetting of the emergency lighting system					s					p					
23.812	h)	Internal lightning					s					p					
23.812	i)	Energy supply considerations					p					s					
23.812	j)	emergency lighting system v- rechargeable batteries					p					s					
23.812	k)	Emergency lighting system, components operability					p					s					
23.812	l)	Design considerations for crash landing					p					s					
		Emergency exit access															
23.813	a)	Access to window-type emergency exits - commuter a/c										p					
23.813	b)	Other emergency exit access provisions										p					
		Width of aisle															
23.815	a)	Width of the main passenger aisle - commuter a/c										p					
23.815	b)	Main passenger aisle										p					
		Ventilation															
23.831	a)	Ventilation passenger and crew compartment								p							
23.831	b)	Considerations for presurized a/c								p							
		PRESSURISATION															
		Pressurised cabins															
23.841	a)	cabin pressure altitude in the event of any probable failure or malfunction in the pressurisation system								p							
23.841	b)	Design considerations for pressurised cabins								p							
		Pressurisation tests															
23.843	a)	Strength test			p					s							
23.843	b)	Functional test								p							
		FIRE PROTECTION															
		Hand fire extinguishers															
23.851	a)	Hand fire extinguisher - passenger compartment										p					
23.851	b)	Hand fire extinguisher - pilot compartment										p					
23.851	c)	Considerations for hand fire extinguishers										p					
		Passenger and crew compartment interiors															
23.853	a)	Materials										p					
23.853	b)	Reserved										n/a					

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.853	c)	Smoking prohibited placard										p					
23.853	d)	Additional requierements commuter a/c										p					
23.853	e)	Flammable fluids inside compartments										p					
23.853	f)	Self-extinguishing materials & test means										p					
		Cargo and baggage compartment fire protection															
23.855	a)	Heat sources inside the cargo compartment										p					
23.855	b)	Flame resistant materials - normal, aerobatic, utility a/c										p					
23.855	c)	Additional requierements commuter a/c										p					
		Combustion heater fire protection															
23.859	a)	Combustion heater fire regions							p	s		s					
23.859	b)	Ventilating air ducts							p	s		s					
23.859	c)	Combustion air ducts							p	s		s					
23.859	d)	Heater controls: general							p	s		s					
23.859	e)	Heater safety controls							p	s		s					
23.859	f)	Air intakes							p	s		s					
23.859	g)	Heater exhaust							p	s		s					
23.859	h)	Heater fuel systems							p	s		s					
23.859	i)	Drains							p	s		s					
		Flammable fluid fire protection															
23.863	a)	Means to minimise the probability of ignition of the fluids and vapours					p		p	s		p/s					p/s -cabin / fuselage and pressurized areas
23.863	b)	Factors for compliance with a) by analysis or test					p		p	s		p/s					p/s -cabin / fuselage and pressurized areas
23.863	c)	Provisions for alerting the crew		s			p		p	s		p/s					p/s -cabin / fuselage and pressurized areas
23.863	d)	Leakage areas identification					p		p	s		p/s					p/s -cabin / fuselage and pressurized areas
		Fire protection of flight controls, engine mounts and other flight structure															
23.865	a)	Fire protection of flight controls, engine mounts and other flight structure			p	s			p			s					
		ELECTRICAL BONDING AND LIGHTNING PROTECTION															
		Electrical bonding and protection against lightning and static electricity															
23.867	a)	Protection against catastrophic effect of lightning			p	s	p	s	s								
23.867	b)	Means of showing compliance - non-metallic components			s		p	s	s								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.867	c)	Means of showing compliance - metallic components			s		p	s	s								
		MISCELLANEOUS															
		Levelling means															
23.871	a)	Levelling means			p												
		SUBPART E — POWERPLANT INSTALLATION															
		GENERAL															
		Installation															
23.901	a)	General							p								
23.901	b)	Powerplant installation - Construction and arrangement							p					s			
23.901	c)	Engine cowls and nacelles							p								
23.901	d)	Turbine engine installation - construction and arrangement							p								
23.901	e)	Powerplant installation considerations							p								
23.901	f)	APU							p								
		Engines and auxiliary power units															
23.903	a)	General							p								
23.903	b)	Turbine engine installations			s				p/s	s							P8- s for **23.903b1**
23.903	c)	Engine isolation							p								
23.903	d)	Starting and stopping (piston engine)							p								
23.903	e)	Starting and stopping (turbine engine)							p								
23.903	f)	Restart envelope							p								
23.903	g)	Restart capability					s		p								
23.903	h)	Auxiliary power units							p								
		Automatic power reserve system															
23.904	a)	Automatic power reserve system		s					p							s	
		Propellers															
23.905	a)	reserved															
23.905	b)	Engine power and propeller shaft rotational speed - limitations							p/s								
23.905	c)	Featherable propeller feature							p								
23.905	d)	Components of the propeller blade pitch control system							p								
23.905	e)	Ice shedding							p								
23.905	f)	Pusher propeller							p								
23.905	g)	Continous safe operation							p								
23.905	h)	Engine cowlings, access doors, and other removable items design considerations				s			p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
		Propeller vibration															
23.907	a)	Vibration stress			s				p								
23.907	b)	Proof of safe vibration characteristics			s				p								
		Turbo charger systems															
23.909	a)	Turbo charger systems							p								
23.909	b)	Damage prevention turbo charger compressor or turbine						s	p								
23.909	c)	Turbo charger case							p								
23.909	d)	Intercooler installation							p								
23.909	e)	Other evaluations							p								
		Propeller clearance															
23.925	a)	Ground clearance							p								
23.925	b)	Aft mounted propellers							p								
23.925	c)	Water clearance							p								
23.925	d)	Structural clearance			s				p								
		Engine installation ice protection															
23.929	a)	Powerplant installation support systems							p	s							
		Reversing systems															
23.933	a)	For turbojet and turbofan reversing systems							p								
23.933	b)	For propeller reversing systems							p								
		Turbojet and turbofan engine thrust reverser system tests															
23.934	a)	For turbojet and turbofan reversing systems							p								
		Turbopropeller-drag limiting systems															
23.937	a)	Failure of Turbopropeller-drag limiting systems- desing considerations			s				p								
23.937	b)	Manual or automatic devices for actuation							p								
		Powerplant operating characteristics															
23.939	a)	Turbine engine powerplant operating characteristics		s					p								
23.939	b)	Turbocharged reciprocating engine operating characteristics		s					p								
23.939	c)	Air inlet system							p								
		Negative acceleration															
23.943	a)	Negative acceleration					s		p								
		FUEL SYSTEM															
		General															
23.951	a)	Constructon and arrangement							p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.951	b)	Arrangement							p								
23.951	c)	Design considerations							p								
		Fuel system independence															
23.953	a)	Constructon and arrangement							p								
		Fuel system lightning protection															
23.954	a)	prevent the ignition of fuel vapour by direct lightning strikes					p		s								
23.954	b)	prevent the ignition of fuel vapour by swept lightning strokes					p		s								
23.954	c)	prevent the ignition of fuel vapour by corona or streamering at fuel vent outlets					p		s								
		Fuel flow															
23.955	a)	General							p								
23.955	b)	Gravity systems							p								
23.955	c)	Pump systems							p								
23.955	d)	Auxiliary fuel systems and fuel transfer systems							p								
23.955	e)	Multiple fuel tanks							p								
23.955	f)	Turbine engine fuel systems							p								
		Flow between interconnected tanks															
23.957	a)	Prevention of overflow of fuel							p								
23.957	b)	Fuel tank vents and the fuel transfer system design considerations							p								
		Unusable fuel supply															
23.959	a)	Unusable fuel supply							p								
23.959	b)	Determination of the effect on the unusable fuel quantity							p								
		Fuel system hot weather operation															
23.961	a)	Fuel system hot weather operation							p								
		Fuel tanks: general															
23.963	a)	Withstanding the vibration, inertia, fluid and structural loads			s				p								
23.963	b)	Flexible fuel tank liners							p								
23.963	c)	Integral fuel tanks							p								
23.963	d)	Total usable capacity of the fuel tanks							p								
23.963	e)	Fuel quantity indicators							p								
		Fuel tank tests															
23.965	a)	Withstanding various pressures without failure or leakage			s				p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.965	b)	Withstand tests			s				p								
23.965	c)	Integral fuel tanks- vibration test			s				p								
23.965	d)	Tanks with a non-metallic liner - sloshing test							p								
		Fuel tanks installation															
23.967	a)	Tank loads							p								
23.967	b)	Tank compartment- ventilation							p								
23.967	c)	Fuel tanks relative position to the firewall							p								
23.967	d)	Fuel tank isolation							p								
23.967	e)	Design consideration, installation and location							p								
		Fuel tank expansion space															
23.969	a)	Fuel tank expansion space							p								
		Fuel tanks sump															
23.971	a)	Drainable sump							p								
23.971	b)	Drainage							p								
23.971	c)	Sediment bowl or chamber accessible for drainage							p								
23.971	d)	Sump, sediment bowl and sediment chamber drain							p								
		Fuel tank filler connection															
23.973	a)	Fuel tank filler connection							p								
23.973	b)	Prevention of spilled fuel							p								
23.973	c)	Filler caps							p								
23.973	d)	Fuel filling points					s		p								
23.973	e)	Inside diameter of the fuel filler- reciprocating engined a/c							p								
23.973	f)	Inside diameter of the fuel filler - turbine engined a/c							p								
		Fuel tank vents and carburettor vapour vents															
23.975	a)	Fuel tank vents							p								
23.975	b)	Vapour vent line							p								
23.975	c)	Loss of fuel during aerobatic manoeuvres							p								
		Fuel tanks outlet															
23.977	a)	Fuel strainer							p								
23.977	b)	Design considerations for the clear area of each fuel tank outlet strainer							p								
23.977	c)	Diameter of each strainer							p								
23.977	d)	Accesibility for inspection and cleaning							p								
		Pressure fuelling systems															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.979	a)	Pressure fuelling system fuel manifold connection							p								
23.979	b)	Automatic shut-off means							p								
23.979	c)	Damage prevention to the fuel system							p								
23.979	d)	Preventing surge pressure during fuelling							p								
		FUEL SYSTEM COMPONENTS															
		Fuel pumps															
23.991	a)	Main pumps							p								
23.991	b)	Emergency pumps							p								
23.991	c)	Warning means							p								
23.991	d)	Fuel pump operation							p								
		Fuel system lines and fittings															
23.993	a)	Withstanding loads and prevent vibrations			s				p								
23.993	b)	Flexibility provisions							p								
23.993	c)	Flexible hose assemblies							p								
23.993	d)	Suitability							p								
23.993	e)	Usage of flexible hoses in high temperature environment							p								
		Fuel system components															
23.994	a)	Withstanding loads and prevent vibrations			s				p								
		Fuel valves and controls															
23.995	a)	Engine in-flight shutdown							p								
23.995	b)	Shut-off valve position relative to the firewall							p								
23.995	c)	Valve and fuel system control loads			s				p								
23.995	d)	Valve and fuel system control installation considerations			s				p								
23.995	e)	Fuel valve handle design features							p								
23.995	f)	Valve construction							p								
23.995	g)	Fuel tank selector valves							p								
		Fuel strainer or filter															
23.997	a)	Accessible for draining and cleaning							p								
23.997	b)	Sediment trap and drain							p								
23.997	c)	Mounting			s				p								
23.997	d)	Capacity to ensure that engine fuel system functionality							p								
23.997	e)	Means to prevent ice clogging - commuter a/c							p								
		Fuel system drains															
23.999	a)	Safe drainage							p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.999	b)	design considerations for drain							p								
		Fuel jettisoning system															
23.1001	a)	General							p								
23.1001	b)	Considerations for flight tests		s					p								
23.1001	c)	Fuel jettison system design features		s					p								
23.1001	d)	Design considerations for reciprocating engined a/c							p								
23.1001	e)	Design considerations for turbine engined a/c							p								
23.1001	f)	Fuel jettisoning valve							p								
23.1001	g)	Placards							p								
23.1001	h)	Means to prevent assymetrical fuel jettison							p								
		OIL SYSTEM															
		General															
23.1011	a)	General							p								
23.1011	b)	Independent oil system							p								
23.1011	c)	Usable oil tank capacity							p								
23.1011	d)	Considerations for oil system without an oil transfer system							p								
23.1011	e)	Oil capacity							p								
		Oil tanks															
23.1013	a)	Installation							p								
23.1013	b)	Expansion space							p								
23.1013	c)	Filler connection							p								
23.1013	d)	Vent							p								
23.1013	e)	Outlet							p								
23.1013	f)	Flexible liners							p								
23.1013	g)	Oil tank filler caps							p								
		Oil tank tests															
23.1015	a)	Tank construction applied presure							p								
23.1015	b)	Slosh test							p								
23.1015	c)	Test pressure							p								
		Oil lines and fittings															
23.1017	a)	Oil lines							p								
23.1017	b)	Breather lines							p								
		Oil strainer or filter															
23.1019	a)	Design considerations for turbine engined a/c							p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1019	b)	Design considerations for reciprocating engined a/c							p								
		Oil system drains															
23.1021	a)	Accesibility							p								
23.1021	b)	Drain valve							p								
23.1021	c)	Prevention of inadvertent operation							p								
		Oil radiators															
23.1023	a)	Oil radiators			s				p								
		Propeller feathering system															
23.1027	a)	Reserved oil							p								
23.1027	b)	Provisions for reserved oil							p								
23.1027	c)	Demostration							p								
23.1027	d)	prevention from sludge or FOD affecting the propeller feathering system							p								
		COOLING															
		General															
23.1041	a)	General							p								
		Cooling tests															
23.1043	a)	General							p								
23.1043	b)	Maximum ambient atmospheric temperature							p								
23.1043	c)	Correction factor (except cylinder barrels).							p								
23.1043	d)	Correction factor for cylinder barrel temperatures							p								
		Cooling test procedures for turbine engine-powered aeroplanes															
23.1045	a)	Provisions for compliance with 23.1041							p								
23.1045	b)	Considerations for fluid temperature							p								
23.1045	c)	Cooling tests							p								
		Cooling test procedures for reciprocating engine-powered aeroplanes															
23.1047	a)	Cooling test procedures for reciprocating engine-powered aeroplanes		s					p								
		LIQUID COOLING															
		Installation															
23.1061	a)	General							p								
23.1061	b)	Coolant tank							p								
23.1061	c)	Filler connection.							p								
23.1061	d)	Lines and fittings							p								
23.1061	e)	Radiators							p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1061	f)	Drains							p								
		Coolant tank tests															
23.1063	a)	Test considerations							p								
23.1063	b)	Test fluid							p								
		INDUCTION SYSTEM															
		Air induction system															
23.1091	a)	General							p								
23.1091	b)	Design considerations for reciprocating engined a/c							p								
23.1091	c)	Design considerations for turbined engined a/c							p								
		Induction system icing protection															
23.1093	a)	Reciprocating engines							p								
23.1093	b)	Turbine engines							p	p							
23.1093	c)	Reciprocating engines with superchargers							p								
		Carburettor de-icing fluid flow rate															
23.1095	a)	Desing considerations - carburettor de-icing fluid system							p								
23.1095	b)	De-icing fluid							p								
		Carburettor de-icing fluid system capacity															
23.1097	a)	Carburettor de-icing fluid system capacity							p								
23.1097	b)	Other considerations							p								
		Carburettor de-icing fluid system detail design															
23.1099	a)	Carburettor de-icing fluid system detail design							p								
		Induction air preheater design															
23.1101	a)	Preheater ventilation							p								
23.1101	b)	Accesibility for inspection of exhaust manifold parts							p								
23.1101	c)	Accesibility for inspection of critical parts							p								
		Induction system ducts															
23.1103	a)	Means to prevent the accumulation of fuel or moisture							p								
23.1103	b)	Duct flexibility means							p								
23.1103	c)	flexible induction system							p								
23.1103	d)	Induction system - reciprocating engined a/c							p								
23.1103	e)	APU inlet system duct							p								
23.1103	f)	Materials considerations						s	p								
		Induction system screens															
23.1105	a)	Location							p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1105	b)	Means to prevent air obstruction							p								
23.1105	c)	Screen de-icing considerations							p								
23.1105	d)	Preventing imposibility for fuel to strike any screen							p								
		Induction system filters															
23.1107	a)	Withstanding the effects of normal environment							p								
23.1107	b)	Air filter desing feature							p								
		Turbocharger bleed air system															
23.1109	a)	Cabin air system contamination							p	s							
23.1109	b)	Turbocharger supply air							p	s							
		Turbine engine bleed air system															
23.1111	a)	No hazard from duct rupture							p	s							
23.1111	b)	Establishment of the effect on aeroplane and engine performance of using maximum bleed air							p	s							
23.1111	c)	Hazardous contamination of cabin air systems							p	s							
		EXHAUST SYSTEM															
		General															
23.1121	a)	Safe disposal of exhaust gases without fire hazard or carbon monoxide contamination in any personnel compartment							p	s							
23.1121	b)	Provisions for exhaust system part with a surface hot enough to ignite flammable fluids or vapours							p								
23.1121	c)	Separation by fireproof shields							p								
23.1121	d)	Discharge of exhaust gases							p								
23.1121	e)	Provisions for avoiding obstructing pilot vision							p								
23.1121	f)	Vventilation of exhaust system components							p								
23.1121	g)	Means to prevent fuel accumulation							p								
23.1121	h)	Means to prevent blockage of the exhaust port							p								
23.1121	i)	No impact on safety							p								
		Exhaust system															
23.1123	a)	Fireproof and corrosion-resistant and means to prevent failure due to expansion by operating temperatures							p								
23.1123	b)	Withstanding the vibration and inertia loads			s				p								
23.1123	c)	Means for flexibility							p								
		Exhaust heat exchangers															
23.1125	a)	Design considerations			s				p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1125	b)	Heat exchanger used for heating ventilating air							p	s							
POWERPLANT CONTROLS AND ACCESSORIES																	
		Powerplant controls: general															
23.1141	a)	Location, arrangement, marking							p								
23.1141	b)	Flexible control							p								
23.1141	c)	Means to maintain position							p								
23.1141	d)	Withstanding operating loads			s				p								
23.1141	e)	No single failure or malfunction							p								
23.1141	f)	The portion of each powerplant control located in the engine compartment - fire resistant							p								
23.1141	g)	Powerplant valve controls							p								
		Auxiliary power unit controls															
23.1142	a)	Auxiliary power unit controls							p								
		Engine controls															
23.1143	a)	Separate power or thrust control for each engine		s					p								
23.1143	b)	Power, thrust and supercharger controls arrangement		s					p								
23.1143	c)	Power, thrust and supercharger controls responsive means		s					p								
23.1143	d)	Power, thrust and supercharger controls independency							p								
23.1143	e)	Fluid injection							p								
23.1143	f)	Fuel shut-off feature							p								
23.1143	g)	Design considerations for reciprocating engined a/c							p								
		Ignition switches															
23.1145	a)	Ignition switches		s					p								
23.1145	b)	Means to quickly shut off all ignition on twin-engine aeroplanes							p								
23.1145	c)	Means to prevent its inadvertent operation							p								
		Mixture controls															
23.1147	a)	General							p								
23.1147	b)	Design considerations for manual engine mixture control							p								
		Propeller speed and pitch controls															
23.1149	a)	Grouping and arrangement		s					p								
23.1149	b)	Synchronisation							p								
		Propeller feathering controls															
23.1153	a)	Propeller feathering controls		s					p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
		Turbine engine reverse thrust and propeller pitch settings below the flight regime															
23.1155	a)	Turbine engine reverse thrust and propeller pitch settings below the flight regime		s					p								
		Carburettor air temperature controls															
23.1157	a)	Carburettor air temperature controls		s					p								
		Powerplant accessories															
23.1163	a)	Engine mounted accessory					s		p								
23.1163	b)	Electrical equipment					s		p								
23.1163	c)	Generator					s		p								
23.1163	d)	Means to prevent rotation without interfering with the continued operation of the engine					s		p								
23.1163	e)	Accessory gearbox					s		p								
		Engine ignition systems															
23.1165	a)	Battery ignition system					s		p								
23.1165	b)	Capacity of batteries and generators					s		p								
23.1165	c)	Design of the engine ignition system					s		p								
23.1165	d)	Pilot warning of battery discharge					s		p								
23.1165	e)	Turbine engine ignition system					s		p								
23.1165	f)	Turbopropeller ignition system					s		p								
		POWERPLANT FIRE PROTECTION															
		Designated fire zones; regions included															
23.1181	a)	Deignated fire zones - reciprocating engines							p								
23.1181	b)	Deignated fire zones - turbine engines							p								
23.1181	c)	APU compartment							p								
23.1181	d)	Fuel burning heater and other combustion equipment installation							p								
		Nacelle areas behind firewalls															
23.1182	a)	Nacelle areas behind firewalls							p								
		Lines, fittings and components															
23.1183	a)	Fire-resistant characteristics							p								
23.1183	b)	Exemptions from para a)							p								
		Shut-off means															
23.1189	a)	For twin-engined aeroplane							p								
23.1189	b)	Engine oil system shut-off conditions							p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1189	c)	Power-operated valves							p								
		Firewalls															
23.1191	a)	Generals							p								
23.1191	b)	Construction considerations							p								
23.1191	c)	Other design considerations							p								
23.1191	d)	Reserved							n/a								
23.1191	e)	Fireproof & corrosion protection			s				p								
23.1191	f)	Compliance with the criteria for fireproof materials							p								
23.1191	g)	Flame-resistant criteria							p								
23.1191	h)	Materials							p								
		Engine accessory compartment diaphragm															
23.1192	a)	Engine accessory compartment diaphragm							p								
		Cowling and nacelle															
23.1193	a)	Cowling design considerations			s				p								
23.1193	b)	Means for rapid and complete drainage							p								
23.1193	c)	Cowling - fire-resistant							p								
23.1193	d)	Fire-resistant characteristics							p								
23.1193	e)	Fireproof criteria							p								
23.1193	f)	Nacelle design considerations							p								
23.1193	g)	Fire in engine compartment considerations							p								
		Fire extinguishing systems															
23.1195	a)	Fire-extinguishing systems							p								
23.1195	b)	Fire-extinguishing systems in APU compartment							p								
		Fire extinguishing agents															
23.1197	a)	Fire extinguishing agents							p								
23.1197	b)	Prevention of harmful concentrations of fluid or fluid vapours							p								
		Extinguishing agent containers															
23.1199	a)	Bursting prevention							p								
23.1199	b)	Considerations for discharge of the fire extinguishing agent							p								
23.1199	c)	Means to indicate the discharching level							p								
23.1199	d)	Container temperature							p								
23.1199	e)	Design considerations for pyrotechnic capsule							p								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
		Fire extinguishing system materials															
23.1201	a)	Materials							p								
23.1201	b)	Fireproof characteristics							p								
		Fire detector system															
23.1203	a)	Generals							p								
23.1203	b)	Design considerations			s				p								
23.1203	c)	Other design considerations							p								
23.1203	d)	Means to allow the crew to check in flight					s		p								
23.1203	e)	Wirings					s		p								
SUBPART F - EQUIPMENT																	
GENERAL																	
		Function and installation															
23.1301	a)	Appropiate design				p	p	p	p	p	s						
23.1301	b)	Identification				p	p	p	p	p	s						
23.1301	c)	Installation - limitations				p	p	p	p	p	s						
23.1301	d)	Function poperly				p	p	p	p	p	s						
		Flight and navigation instruments															
23.1303	a)	Airspeed indicator		s				p									
23.1303	b)	Altimeter		s				p									
23.1303	c)	Non-stabilised magnetic direction indicator		s				p									
23.1303	d)	Free air temperature indicator- piston engine a/c MTOM >2722 kg		s				p									
23.1303	e)	Speed warning device		s				p									
23.1303	f)	Attitude display considerations		s				p									
23.1303	g)	Additional considerations- commuter a/c		s				p									
		Powerplant instruments															
23.1305	a)	All a/c		s					p								
23.1305	b)	For reciprocating engine-powered aeroplanes		s					p								
23.1305	c)	For turbine engine-powered aeroplanes		s					p	s							
23.1305	d)	For turbojet/turbofan engine-powered aeroplanes		s					p								
23.1305	e)	For turbopropeller-powered aeroplanes		s					p								
		Electrical and electronic system lightning protection															
23.1306	a)	Design considerations- proper fuction and recovery under lightning conditions					p	s								s	

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1306	b)	IFR operations					p	s								s	
		High-Intensity Radiated Fields (HIRF) protection															
23.1308	a)	Design and installation - HIRF considerations					p	s								s	
23.1308	b)	Equipment HIRF test level 1 or 2 considerations					p	s								s	
23.1308	c)	Equipment HIRF test level 3 considerations					p	s								s	
		Equipment, systems and installations															
23.1309	a)	General				p	p	p	p	p	p		p				
23.1309	b)	System function assessment - safety assessment				p	p	p	p	p	p		p				
23.1309	c)	Essential loads				s	p	s	s	s							
23.1309	d)	Power loads				s	p	s	s	s							
23.1309	e)	Considerations for demonstrating compliance				s	p	s	s	s							
23.1309	f)	System definition				p	p	p	p	p							
		INSTRUMENTS: INSTALLATION															
		Electronic display instrument systems															
23.1311	a)	Electronic display indicators					s	p	s		s						
23.1311	b)	Display of information essential for safe flight available to the flight crew		s			s	p	s		s						
23.1311	c)	Instrument definition					s	p	s		s						
		Arrangement and visibility															
23.1321	a)	For flight, navigation and powerplant instrument		s				p	s								
23.1321	b)	Identical powerplant instruments		s				p	s								
23.1321	c)	Instrument panel vibration		s	s			p									
23.1321	d)	Flight instrument arrangement		s				p									
23.1321	e)	Effectiveness of instrument malfuction indicator		s				p									
		Warning, caution and advisory lights															
23.1322	a)	Red - warning lights		s		s	s	p		s							
23.1322	b)	Amber - caution lights		s		s	s	p		s							
23.1322	c)	Green - safe operation lights		s		s	s	p		s							
23.1322	d)	Other colours		s		s	s	p		s							
23.1322	e)	Effective under cockpit lightning conditions		s		s	s	p		s							
		Airspeed indicating system															
23.1323	a)	Calibration - True air speed		s				p									
23.1323	b)	Calibration in flight		s				p									
23.1323	c)	Moisture drainage feature		s				p									

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1323	d)	Considerations for FIKI; IFR		s				p		s							
23.1323	e)	Calibration during T/O- commuter a/c		s				p									
23.1323	f)	Pitot tubes location						p									
		Static pressure system															
23.1325	a)	General						p									
23.1325	b)	Design considerations for static pressure system				s		p	s	p							
23.1325	c)	Means for selection of primary/alternate static pressure system						p									
23.1325	d)	Considerations for unpressurised aeroplanes						p									
23.1325	e)	Calibration in flight						p									
23.1325	f)	Reserved						n/a									
23.1325	g)	(b)(3) not applicable for IFR;FIKI						p									
		Pitot heat indication systems															
23.1326	a)	Innoperative pitot heating system- indication		s				p		s							
23.1326	b)	Design considerations- indications conditions		s				p		s							
		Magnetic direction indicator															
23.1327	a)	Design considerations						p									
23.1327	b)	magnetic non-stabilised direction indicator deviation					s	p									
		Automatic pilot system															
23.1329	a)	General		s				p									
23.1329	b)	Quick release (emergency) control		s				p									
23.1329	c)	Means for /automatic synchronisation		s				p									
23.1329	d)	Manually-operated control		s				p									
23.1329	e)	Design considerations to avoid hazardous loads on the aeroplane or create hazardous deviations in the flight path		s				p									
23.1329	f)	Means to avoid hardover signal in more than one control axis						p									
23.1329	g)	Protection against adverse interaction of integrated components						p									
23.1329	h)	Current mode of operation airborne navigation system		s				p									
		Instruments using a power source															
23.1331	a)	General					s	p									
23.1331	b)	Design and installation considerations					s	p									

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1331	c)	Two independent sources of power and a manual or an automatic means to select each power source					s	p									
		Flight director system															
23.1335	a)	Flight director system						p									
		Powerplant instruments installation															
23.1337	a)	Instruments and instrument lines						p	p								
23.1337	b)	Fuel quantity indicator						p	p								
23.1337	c)	Fuel flowmeter system						p									
23.1337	d)	Oil quantity indicator						p									
		ELECTRICAL SYSTEMS AND EQUIPMENT															
		General															
23.1351	a)	Electrical system capacity					p										
23.1351	b)	Functions					p										
23.1351	c)	Generating system					p										
23.1351	d)	Instruments					p										
23.1351	e)	Fire resistance					p										
23.1351	f)	External power					p										
23.1351	g)	Normal electrical power inoperative - Conditions for safe operation					p										
		Storage battery design and installation															
23.1353	a)	General					p										
23.1353	b)	Safe cell temperatures and pressures					p										
23.1353	c)	Compliance with sub-paragraph (b) must be shown by tests					p										
23.1353	d)	No explosive or toxic gases emitted may accumulate in hazardous quantities within the a/c					p										
23.1353	e)	No corrosive fluids or gases may damage surrounding structures or adjacent essential equipment					p										
23.1353	f)	Considerations for nickel cadmium battery installation					p										
23.1353	g)	Nickel cadmium battery installations - APU					p										
23.1353	h)	30 minutes of operation					p										
		Circuit protective devices															
23.1357	a)	Protective devices					p										
23.1357	b)	Not to be used to protect any other circuit					p										
23.1357	c)	Resettable circuit protective device					p										

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1357	d)	Arrangement					p										
23.1357	e)	Replaceable fuses					p										
		Electrical system fire protection															
23.1359	a)	Fire protection requirements					p										
23.1359	b)	Electrical cables, terminals and equipment in designated fire zones - fire resistant					p										
23.1359	c)	Insulation on electrical wire and cable must be self-extinguishing					p										
		Master switch arrangement															
23.1361	a)	General					p										
23.1361	b)	Load circuits					p										
23.1361	c)	Arrangement and installation					p										
		Electric cables and equipment															
23.1365	a)	General					p										
23.1365	b)	Flame resistant					p										
23.1365	c)	Means of identification					p										
23.1365	d)	Installation					p										
23.1365	e)	Main power cables					p										
23.1365	f)	Protection against fire hazard					p										
		Switches															
23.1367	a)	Able to carry its rated current					p										
23.1367	b)	Construction considerations					p										
23.1367	c)	Accessible to appropriate flight-crew members		s			p										
23.1367	d)	Labelled		s			p										
		LIGHTS															
		Instrument lights															
23.1381	a)	Easily readable and discernible		s			s	p									
23.1381	b)	Installation		s			s	p									
23.1381	c)	Have enough distance or insulating material					p	p									
		Taxi and landing lights															
23.1383	a)	No dangerous glare is visible to the pilots		s			p										
23.1383	b)	The pilot is not seriously affected by halation		s			p										
23.1383	c)	It provides enough light for night operations		s			p										
23.1383	d)	It does not cause a fire hazard in any configuration		s			p										

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
		Position light system installation															
23.1385	a)	General					p										
23.1385	b)	Left and right position lights					p										
23.1385	c)	Rear position light					p										
23.1385	d)	Light covers and colour filters					p										
		Position light system dihedral angles															
23.1387	a)	Position light					p										
23.1387	b)	Dihedral angle L (left)					p										
23.1387	c)	Dihedral angle R (Right)					p										
23.1387	d)	Dihedral angle A (aft)					p										
23.1387	e)	Rear position light					p										
		Position light distribution and intensities															
23.1389	a)	General					p										
23.1389	b)	Position lights					p										
23.1389	c)	Rear position light installation					p										
		Minimum intensities in the horizontal plane of position lights															
23.1391	a)	Minimum intensities in the horizontal plane of position lights					p										
		Minimum intensities in any vertical plane of position lights															
23.1393	a)	Minimum intensities in any vertical plane of position lights					p										
		Maximum intensities in overlapping beams of position lights															
23.1395	a)	Area A					p										
23.1395	b)	Area B					p										
		Colour specifications															
23.1397	a)	Aviation red					p										
23.1397	b)	Aviation green					p										
23.1397	c)	Aviation white					p										
		Riding light															
23.1399	a)	Riding light					p										
23.1399	b)	Externally hung lights					p										
		Anti-collision light system															
23.1401	a)	General					p										
23.1401	b)	Field of coverage					p										
23.1401	c)	Flashing characteristics					p										

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1401	d)	Colour					p										
23.1401	e)	Light intensity					p										
23.1401	f)	Minimum effective intensities for anti-collision lights					p										
SAFETY EQUIPMENT																	
		General															
23.1411	a)	General										p					
23.1411	b)	Stowage provisions										p					
		Ditching equipment															
23.1415	a)	Emergency flotation and signalling equipment										p					
23.1415	b)	Approved raft and life preserver										p					
23.1415	c)	Raft realeasing provisions										p					
23.1415	d)	Signalling device										p					
		Pneumatic de-icer boot system															
23.1416	a)	Meeting CS 23.1419 requirements		s						p							
23.1416	b)	Perform intended function		s						p							
23.1416	c)	Flight crew indication		s						p							
		Ice protection															
23.1419	a)	Procedures for the use of the ice protection equipment in AMF		s						p							
23.1419	b)	Analisys and test for adequacy of the ice protection system		s						p							
23.1419	c)	Compliance		s						p							
23.1419	d)	External lights provision		s						p							
MISCELLANEOUS EQUIPMENT																	
		Electronic equipment															
23.1431	a)	Considering critical environmental conditions in showing compliance					p	p		s							
23.1431	b)	Radio and electronic equipment, controls, and wiring installation consderation					p	s									
23.1431	c)	Cockpit evaluation		s				p									
23.1431	d)	Communication equipment incorporates transmitter “on-off” switching,						p									
23.1431	e)	Aural warnings considerations		s				p									
		Hydraulic systems															
23.1435	a)	Design				p											

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1435	b)	Tests				p											
23.1435	c)	Accumulators				p											
		Accessories for twin-engine aeroplanes															
23.1437	a)	Accessories for twin-engine aeroplanes					s		p								
		Pressurisation and pneumatic systems															
23.1438	a)	Pneumatic system elements - Burst pressure test								p							
23.1438	b)	Pressurisation system elements - Burst pressure test								p							
23.1438	c)	Analysis and tests								p							
		Oxygen equipment and supply															
23.1441	a)	General								p		s					
23.1441	b)	Free from hazards								p							
23.1441	c)	Means to determine during the flight the quantity of oxygen								p							
23.1441	d)	Demand flow oxygen equipment								p							
23.1441	e)	Means to turn on and shut off the oxygen supply in flight								p							
		Minimum mass flow of supplemental oxygen															
23.1443	a)	Continuous flow oxygen equipment installation								p		s					
23.1443	b)	Demand equipment								p							
23.1443	c)	First aid oxygen equipment								p							
23.1443	d)	BTPS/STPS definition								p							
		Oxygen distributing system															
23.1445	a)	Considerations for using nonmetallic tubing								p		s					
23.1445	b)	Non-metallic oxygen distribution lines								p		s					
		Equipment standards for oxygen dispensing units															
23.1447	a)	Individual dispensing unit for each occupant		s						p		s					
23.1447	b)	Certification for operation up to and including 5486m (18 000 ft) (MSL)								p							
23.1447	c)	Certification for operation above 5486m (18 000 ft) (MSL)								p							
23.1447	d)	Pressurised a/c operating >7625 m (20 000 ft)		s						p		s					
23.1447	e)	Certification for operation above 9144m (30 000 ft)								p							
23.1447	f)	Automatic dispensing unit								p							
		Means for determining use of oxygen															
23.1449	a)	Means for determining use of oxygen								p		s					
		Chemical oxygen generators															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1450	a)	Definition								p		s					
23.1450	b)	Design considerations and installation								p							
23.1450	c)	Portable chemical oxygen generator								p							
		Fire protection for oxygen equipment															
23.1451	a)	Outside of designated fire zone								p		s					
23.1451	b)	Protection from heat								p							
23.1451	c)	Installation considerations								p							
		Protection of oxygen equipment from rupture															
23.1453	a)	Strength to withstand the maximum pressure and temperature			s					p							
23.1453	b)	Considerations for the oxygen pressure sources and the lines between the source and shut-off means								p							
		Cockpit voice recorders															
23.1457	a)	General						p									
23.1457	b)	Installation						p									
23.1457	c)	Channels recording						p									
23.1457	d)	Design considerations						p									
23.1457	e)	Record container location			s			p									
23.1457	f)	CVR with bulk erasure device						p									
23.1457	g)	Record container						p									
		Flight recorders															
23.1459	a)	General						p									
23.1459	b)	N on-ejectable record container - installation						p									
23.1459	c)	Correlations with the corresponding readings						p									
23.1459	d)	Record container						p									
23.1459	e)	Parameters						p									
		Equipment containing high energy rotors															
23.1461	a)	General				s	s		s							p/s	(check with P3, P4, P5) depending on the affected component
23.1461	b)	Withstanding damage caused by malfunctions, vibration, abnormal speeds and abnormal temperatures			s	s	s		s							p/s	(check with P3, P4, P5) depending on the affected component

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1461	c)	Contained failure condition			s	s	s		s							p/s	(check with P3, P4, P5) depending on the affected component
23.1461	d)	Location			s	s	s		s							p/s	(check with P3, P4, P5) depending on the affected component
SUBPART G - OPERATING LIMITATIONS AND INFORMATION																	
GENERAL																	
		General															
23.1501	a)	Establish operating limitations		p													
23.1501	b)	Availability to the flight crew		p													
		Airspeed limitations															
23.1505	a)	Vne - never-exceed speed		p	s												
23.1505	b)	Vno - maximum structural cruising speed		p	s												
23.1505	c)	Vmo- maximum operating limit speed		p	s												
		Manoeuvring speed															
23.1507	a)	Manoeuvring speed															
		Flap extended speed															
23.1511	a)	Vfe - flap extended speed		s	p												
23.1511	b)	Other considerations		s	p												
		Minimum control speed															
23.1513	a)	Vmc - minimum control speed		p													
		Minimum control speed															
23.1519	a)	Weight and centre of gravity		s	p												
		Powerplant limitations															
23.1521	a)	General							p								
23.1521	b)	Take-off operation							p								
23.1521	c)	Continuous operation							p								
23.1521	d)	Fuel grade or designation							p								
23.1521	e)	Ambient temperature							p								
		Auxiliary power unit limitations															
23.1522	a)	Auxiliary power unit limitations							p								
		Minimum flight crew															
23.1523	a)	Workload on individual crew members		p													

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1523	b)	Accessibility and ease of operation controls		p				s									
23.1523	c)	Kinds of operations		p						s		s					
		Maximum passenger seating configuration															
23.1524	a)	Maximum passenger seating configuration		s								p					
		Maximum operating altitude															
23.1525	a)	Maximum operating altitude		p		s				s							
23.1525	b)	Maximum operating altitude - pressurised a/c		p		s				s							
		Instructions for continued airworthiness															
23.1529	a)	Instructions for continued airworthiness			s	s								p *			* including Appendix G
		MARKINGS AND PLACARDS															
		General															
23.1541	a)	General	s	s		s	s	s	s	s		s				p/s	
23.1541	b)	Marking & placards	s	s		s	s	s	s	s		s				p/s	
23.1541	c)	A/c to be certified in more than one category	s	s		s	s	s	s	s		s				p/s	
		Instrument markings: general															
23.1543	a)	Marking						p								p/s	
23.1543	b)	Arc line						p								p/s	
23.1543	c)	Calibration						p								p/s	
		Airspeed indicator															
23.1545	a)	General		s				p								p/s	
23.1545	b)	Markings		s				p								p/s	
23.1545	c)	Pilot indications limitations		s				p								p/s	
23.1545	d)	Radial red line marking for VMO/MMO		s				p								p/s	
		Magnetic direction indicator															
23.1547	a)	Placards		s				p									
23.1547	b)	Content of the placard		s				p									
23.1547	c)	Content regarding calibration		s				p									
23.1547	d)	Calibrations reading		s				p									
23.1547	e)	Placard for magnetic non-stabilised direction indicator deviation		s				p									
		Powerplant and auxiliary power unit instruments															
23.1549	a)	Maximum and minimum safe operating limit - marking		s				p	s							s	
23.1549	b)	Normal operating range - marking		s				p	s							s	
23.1549	c)	Take-off and precautionary range -marking		s				p	s							s	
23.1549	d)	Engine, APU		s				s	p							s	

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
		Oil quantity indicator															
23.1551	a)	Oil quantity indicator						s	p							s	
		Fuel quantity indicator															
23.1553	a)	Fuel quantity indicator						s	p							s	
		Control markings															
23.1555	a)	General						p									
23.1555	b)	Secondary control						p									
23.1555	c)	Powerplant fuel control						p	p								
23.1555	d)	Usable fuel capacity						p	p								
23.1555	e)	Accessory, auxiliary and emergency controls				s	s	p									
		Miscellaneous markings and placards															
23.1557	a)	Baggage and cargo compartments and ballast location										p					
23.1557	b)	Seats										p					
23.1557	c)	Fuel, oil and coolant filler openings							p								
23.1557	d)	Emergency exit placards										p					
23.1557	e)	System voltage of each direct current installation					p										
		Operating limitations placard															
23.1559	a)	General		p													
23.1559	b)	A/c to be certified in more than one category		p													
23.1559	c)	Kind of operations		p													
		Safety equipment															
23.1561	a)	Safety equipment		s								p					
23.1561	b)	Stowage provisions		s								p					
		Airspeed placards															
23.1563	a)	Vo - operating manoeuvring speed		p													
23.1563	b)	Vlo- -maximum landing gear operating speed		p		s											
23.1563	c)	Vmc - maximum value of the minimum control speed		p													
		Flight manoeuvre placard															
23.1565	a)	Placard for normal category		p													
23.1565	b)	Placard for utility category		p													
23.1565	c)	Placard for aerobatic category		p													
23.1565	d)	Placard - spinning		p													
		AEROPLANE FLIGHT MANUAL															
		General															

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1581	a)	AFM content	p	p		s										s	
23.1581	b)	Approved information	p	p		s										s	
23.1581	c)	Units used	p	p		s										s	
23.1581	d)	Operational speeds	p	p		s										s	
23.1581	e)	Provision for stowing the AFM for availability to the pilot	p	p												s	
23.1581	f)	Revisions and/or Amendments	p	p												s	
		Operating limitations															
23.1583	a)	Airspeed limitations		p		s											
23.1583	b)	Powerplant limitations		p													
23.1583	c)	Weight		p	s												
23.1583	d)	Centre of gravity		p	s												
23.1583	e)	Manoeuvres		p													
23.1583	f)	Manoeuvre load factor		p													
23.1583	g)	Minimum flight crew		p													
23.1583	h)	Kinds of operation		p						s							
23.1583	i)	Maximum operating altitude		p						s							
23.1583	j)	Maximum passenger seating configuration		p						s							
23.1583	k)	Allowable lateral fuel loading		p													
23.1583	l)	Baggage and cargo loading		p	s												
23.1583	m)	Systems		p		s				s							
23.1583	n)	Ambient temperatures		p													
23.1583	o)	Smoking		p						s							
23.1583	p)	Types of surface		p													
		Operating procedures															
23.1585	a)	Operating procedures		p		s											
23.1585	b)	Procedures, speeds and configuration(s) for a glide following engine failure		p					s								
23.1585	c)	Information for twin-engine		p					s								
23.1585	d)	Aditional procedures all a/c categories except commuters		p													
23.1585	e)	Aditional procedures all a/c categories twin-engined except commuters		p													
23.1585	f)	Aditional procedures commuter a/c		p					s								
23.1585	g)	Information operating condition - fuel system		p					s								

CS 23 Paragraph	Sub-Para	Requierment title	0	1	3	4	5	6	7	8	10	11	12	14	19	All	Note
23.1585	h)	Operating procedures for disconnecting the battery from its charging source		p			s										
23.1585	i)	Total quantity of usable fuel for each fuel tank and its effect		p					s								
23.1585	j)	Procedures for the safe operation of the aeroplane's systems and		p		s	s	s	s	s							
		Performance information															
23.1587	a)	General		p													
23.1587	b)	Steady angle of climb/descent		p													
23.1587	c)	Additional information - commuters a/c		p													
23.1587	d)	Additional information - all a/c categories except commuters		p													
		Loading information															
23.1589	a)	Loading information		p													
23.1589	b)	Appropriate loading instructions		p													