

## Supplemental Type Certificate Compliance Checklist

Project Number: \_\_\_\_\_  
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Date: \_\_\_\_\_  
 Revision: \_\_\_\_\_

8/24/05

Make:	Description of Change: One-only STC <input type="checkbox"/> Multiple STC <input type="checkbox"/>
Model:	
TCDS #:	
Original Certification Basis:	
Proposed Certification Basis:	

**\*Methods of Compliance:**

FT = Flight Test, GT = Ground Test, AN = Analysis, DE = Design, SI = Similarity, ELOS = Equivalent Level of Safety Finding,  
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Regulation Title 14 CFR (1964 CAR 3)	Applicable Amendment	Method of Compliance*	Plan, Drawing, Report Number	Person or Entity Finding Compliance	Applicable Guidance, References, & Remarks
<b>Title 14 CFR part 23: (CAR 3)</b>					
<b>Subpart A -- General</b>					
<b>Section</b>					
23.1 Applicability. (3.0)		DE			AC 23-8B
23.2 Special retroactive requirements.		AN, GT			
23.3 Airplane categories. (3.20 (less 2nd sent. of (a)(2) and 2nd and 3rd sent. of (b)), 3.20-1, 3.20-2 (1st sent.))		DE			AC 23-8B
<b>Subpart B -- Flight</b>					
<b>GENERAL</b>					
23.21 Proof of compliance. (3.61, 3.71-1)		AN, GT, FT			AC 23-8B
23.23 Load distribution limits. (3.71)		DE, AN, FT			AC 23-8B
23.25 Weight limits. (3.74, 3.75)		AN, FT			AC 23-8B

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23.29 Empty weight and corresponding center of gravity. (3.73 (1st sent.), 3.73-3(b))		AN, GT			AC 23-8B
23.31 Removable ballast. (3.72)		DE, AN			AC 23-8B
23.33 Propeller speed and pitch limits. (3.418, 3.419, 3.420, 3.421)		AN, FT			AC 23-8B
<b>PERFORMANCE</b>					
23.45 General. (3.81)		AN, GT, FT			AC 23-8B
23.49 Stalling period. (3.82, 3.81-1, 3.83)		AN, FT			AC 23-8B
23.51 Takeoff speeds. (3.84 (less (c)), 3.84-2, 3.84a, 3.780(a) (1st sent.))		AN, FT			AC 23-8B
23.53 Takeoff performance.		AN, FT			AC 23-8B
23.55 Accelerate-stop distance.		GT, FT			AC 23-8B
23.57 Takeoff path.		FT			AC 23-8B
23.59 Takeoff distance and takeoff run.		FT			AC 23-8B
23.61 Takeoff flight path.		FT			AC 23-8B
23.63 Climb: General.		FT			AC 23-8B
23.65 Climb: All engines operating. (3.85(a), 3.85-5(b) (less (1) and (2)), 3.85a(a), 3.419-1 (a) (2nd sent.))		FT			AC 23-8B

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23.66 Takeoff climb: One-engine inoperative.		FT			AC 23-8B
23.67 Climb: One engine inoperative. (3.85(b), 3.85-3, 3.85a(b))		FT			AC 23-8B
23.69 Enroute climb/descent.		FT			AC 23-8B
23.71 Glide: Single-engine airplanes.		FT			AC 23-8B
23.73 Reference landing approach speed.		FT			AC 23-8B
23.75 Landing distance. (3.86(a), 3.87, 3.780(a) (1st sent.))		FT			AC 23-8B
23.77 Balked landing. (3.85 (less (a) and (b)),3.85a (less (a) and (b)))		FT			AC 23-8B
<b>FLIGHT CHARACTERISTICS</b>					
23.141 General. (3.105)		FT			AC 23-8B
<b>CONTROLLABILITY AND MANEUVERABILITY</b>					
23.143 General. (3.106)		FT			AC 23-8B, AC 23.143-1
23.145 Longitudinal control. (3.109)		FT			AC 23-8B
23.147 Directional and lateral control. (3.110)		FT			AC 23-8B

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23.149 Minimum control speed. (3.111)		FT			AC 23-8B
23.151 Acrobatic maneuvers. (3.107, 3.108)		FT			AC 23-8B
23.153 Control during landings.		FT			AC 23-8B
23.155 Elevator control force in maneuvers.		FT			AC 23-8B
23.157 Rate of roll.		FT			AC 23-8B
<b>TRIM</b>					
23.161 Trim. (3.112)		FT			AC 23-8B
<b>STABILITY</b>					
23.171 General. (3.113)		FT			AC 23-8B
23.173 Static longitudinal stability. (3.114, 3.115 (less (a)-(c)))		FT			AC 23-8B
23.175 Demonstration of static longitudinal stability. (3.115 (a)-(c))		FT			AC 23-8B
23.177 Static directional and lateral stability. (3.118)		FT			AC 23-8B
23.181 Dynamic stability. (3.117)		FT			AC 23-8B

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<b>STALLS</b>					
23.201 Wings level stall. (3.120(a), 3.120(b), 3.120 (less (a)-(f)), 3.120-1, 3.122 (2nd sent.))		FT			AC 23-8B
23.203 Turning flight and accelerated turning stalls. (3.120(c), 3.120(d), 3.120(e) (1st through 26th words), 3.121, 3.122 (less 2nd sent.))		FT			AC 23-8B
23.207 Stall warning. (3.120(f))		FT			AC 23-8B
<b>SPINNING</b>					
23.221 Spinning. (3.124(a) (less last sent.), 3.124(b), 3.124(c) (less (4)), 3.124(d))		FT			AC 23-8B
<b>GROUND AND WATER HANDLING CHARACTERISTICS</b>					
23.231 Longitudinal stability and control. (3.144)		FT			AC 23-8B
23.233 Directional stability and control. (3.145)		FT			AC 23-8B
23.235 Operation on unpaved surfaces. (3.146)		FT			AC 23-8B

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23.237 Operation on water.		FT			AC 23-8B
23.239 Spray characteristics. (3.147)		FT			AC 23-8B
<b>MISCELLANEOUS FLIGHT REQUIREMENTS</b>					
23.251 Vibration and buffeting. (3.159)		FT			AC 23-8B, PS-ACE100-2001-004, PS-ACE100-2002-008
23.253 High speed characteristics.		FT			AC 23-8B
<b>Subpart C -- Structure</b>					
<b>GENERAL</b>					
23.301 Loads. (3.171,3.171-1)		AN, GT, FT			AC 23-19
23.302 Canard or tandem wing configurations.		AN, GT, FT			AC 23-19
23.303 Factor of safety. (3.172)		AN, GT			AC 23-19
23.305 Strength and deformation. (3.173)		AN, GT			AC 23-19, PS-ACE100-2001-006, PS-ACE100-2004-10030
23.307 Proof of structure. (3.174)		AN, GT			AC 23-19, PS-ACE100-2001-006, PS-ACE100-2004-10030

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<b>FLIGHT LOADS</b>					
23.321 General. (3.181, 3.182)		AN, GT, FT			AC 23-19
23.331 Symmetrical flight conditions. (3.183, 3.189)		AN			AC 23-19
23.333 Flight envelope. (3.185, 3.187, Figure 3-1)		AN, GT			AC 23-19
23.335 Design airspeeds. (3.184)		AN			AC 23-19
23.337 Limit maneuvering load factors. (3.186)		AN			AC 23-19
23.341 Gust loads factors. (3.188, 3.188-1)		AN			AC 23-19
23.343 Design fuel loads.		AN, GT			AC 23-19
23.345 High lift devices. (3.190 and note, 3.190-1)		AN, GT			AC 23-19
23.347 Unsymmetrical flight conditions. (3.191 (less (a) and (b)))		AN			AC 23-19
23.349 Rolling conditions. (3.191(a) and note)		AN, GT			AC 23-19
23.351 Yawing conditions. (3.191(b))		AN, GT			AC 23-19
23.361 Engine torque. (3.195)		AN, GT			AC 23-19
23.363 Side load on engine mount. (3.196)		AN, GT			AC 23-19

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23.365 Pressurized cabin loads. (3.197)		AN, GT			AC 23-19
23.367 Unsymmetrical loads due to engine failure.		AN, GT			AC 23-19
23.369 Rear lift truss. (3.194 and note)		AN			AC 23-19
23.371 Gyroscopic and aerodynamic loads.		AN			AC 23-19
23.373 Speed control devices.		AN, GT			AC 23-19
<b>CONTROL SURFACE AND SYSTEM LOADS</b>					
23.391 Control surface loads. (3.211)		AN, GT			AC 23-19
23.393 Loads parallel to hinge line.		AN			AC 23-19
23.395 Control system loads. (3.231, 3.231-1 (1st and 4th sent.), 3.231-2)		AN, GT			AC 23-19
23.397 Limit control forces and torques. (3.212, 3.212-1, Figure 3-11)		AN, GT			AC 23-19
23.399 Dual control system. (3.232)		AN, GT			AC 23-19
23.405 Secondary control system. (3.234)		AN			AC 23-19
23.407 Trim tab effects. (3.213)		AN			AC 23-19
23.409 Tabs. (3.224)		AN			AC 23-19

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23.415 Ground gust conditions. (3.233, 3.233-1)		AN			AC 23-19
<b>HORIZONTAL STABILIZING AND BALANCING SURFACES</b>					
23.421 Balancing loads. (3.215 and note)		AN			AC 23-19
23.423 Maneuvering loads. (3.216 and notes, 3.216-4 (a) and (b))		AN			AC 23-19
23.425 Gust loads. (3.217 and notes)		AN			AC 23-19
23.427 Unsymmetrical loads. (3.218)		AN			AC 23-19
<b>VERTICAL SURFACES</b>					
23.441 Maneuvering loads. (3.219 and notes)		AN			AC 23-19
23.443 Gust loads. (3.220)		AN			AC 23-19
23.445 Outboard fins or winglets. (3.221)		AN, GT			AC 23-19

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<b>AILERONS AND SPECIAL DEVICES</b>					
23.455 Ailerons. (3.222(a), (b), and (e))		AN			AC 23-19
23.459 Special devices. (3.225)		AN, GT			AC 23-19
<b>GROUND LOADS</b>					
23.471 General. (3.241)		AN, GT			AC 23-19
23.473 Ground load conditions and assumptions. (3.85-4 (last sent.), 3.242, 3.243)		AN, GT			AC 23-19
23.477 Landing gear arrangement. (3.244)		AN			AC 23-19
23.479 Level landing conditions. (3.245, 3.245-1(b))		AN, GT			AC 23-19
23.481 Tail down landing conditions. (3.246)		AN, GT			AC 23-19
23.483 One-wheel landing conditions. (3.247)		AN, GT			AC 23-19
23.485 Side load conditions. (3.249)		AN, GT			AC 23-19
23.493 Braked roll conditions. (3.248)		AN, GT			AC 23-19

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23.497 Supplementary conditions for tail wheels. (3.250, 3.251, 3.252)		AN			AC 23-19
23.499 Supplementary conditions for nose wheels. (3.253, 3.254, 3.255, 3.256)		AN			AC 23-19
23.505 Supplementary conditions for skiplanes. (3.257)		AN			AC 23-19
23.507 Jacking loads.		AN			AC 23-19
23.509 Towing loads.		AN			AC 23-19
23.511 Ground load; unsymmetrical loads on multiple-wheel units.		AN			AC 23-19
<b>WATER LOADS</b>					
23.521 Water load conditions. (3.265, 3.265-1(a), 3.265-2)		AN, GT			AC 23-19
23.523 Design weights and center of gravity positions.		AN, GT			AC 23-19
23.525 Application of loads.		AN			AC 23-19
23.527 Hull and main float load factors.		AN			AC 23-19
23.529 Hull and main float landing conditions.		AN			AC 23-19
23.531 Hull and main float takeoff condition.		AN			AC 23-19

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23.533 Hull and main float bottom pressures.		AN			AC 23-19
23.535 Auxiliary float loads.		AN			AC 23-19
23.537 Seawing loads.		AN, GT			AC 23-19
<b>EMERGENCY LANDING CONDITIONS</b>					
23.561 General.		AN, GT			AC 23-19
23.562 Emergency landing dynamic conditions.		AN, GT			AC 23-19, AC 23.562-1
<b>FATIGUE EVALUATION</b>					
23.571 Metallic pressurized cabin structures. (3.270)		AN, GT			AC 23-19
23.572 Metallic wing, empennage, and associated structures.		AN, GT			AC 23-19
23.573 Damage tolerance and fatigue evaluation of structure.		AN, GT			AC 23-19, PS-ACE100-2001-006
23.574 Metallic damage tolerance and fatigue evaluation of commuter category airplanes.		AN, GT			AC 23-19
23.575 Inspections and other procedures.		DE			

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<b>Subpart D -- Design and Construction</b>					
23.601 General. (3.291)		DE, AN, GT			AC 23-19, PS-ACE100-2002-006, PS-ACE100-2001-006, PS-ACE100-2004-10039
23.603 Materials and workmanship. (3.292)		DE, AN, GT			AC 23-19, PS-ACE100-2002-006, PS-ACE100-2001-006, PS-ACE100-2004-10039
23.605 Fabrication methods. (3.293)		DE			AC 23-19, PS-ACE100-2002-006, PS-ACE100-2001-006, PS-ACE100-2004-100399
23.607 Fasteners. (3.294 (last sent.))		DE			AC 23-19, AC 23.607-1
23.609 Protection of structure. (3.295)		DE			AC 23-19, PS-ACE100-2001-006, PS-ACE100-2004-10030
23.611 Accessibility provisions. (3.296)		DE			AC 23-19
23.613 Material strength properties and design values. (3.301 and note)		DE, AN, GT			AC 23-19, PS-ACE100-2002-006, PS-ACE100-2001-006, PS-ACE100-2004-10030
23.619 Special factors. (3.302, 3.303)		AN, GT			AC 23-19
23.621 Casting factors. (3.304)		AN, GT			AC 23-19
23.623 Bearing factors. (3.305)		AN			AC 23-19
23.625 Fitting factors. (3.306)		AN			AC 23-19

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23.627 Fatigue strength. (3.307)		AN			AC 23-19
23.629 Flutter. (3.311, 3.11-1, 3.311-2(a))		AN, GT, FT			AC 23-19, AC 23.629-1B, PS-ACE100-2002-008
<b>WINGS</b>					
23.641 Proof of strength. (3.317)		AN, GT			AC 23-19
<b>CONTROL SURFACES</b>					
23.651 Proof of strength. (3.327)		AN			AC 23-19
23.655 Installation. (3.328)		DE, AN			AC 23-19
23.657 Hinges. (3.329)		AN			AC 23-19
23.659 Mass balance. (3.330)		AN			AC 23-19
<b>CONTROL SYSTEMS</b>					
23.671 General. (3.335)		DE, AN, GT, FT			AC 23-8B, AC 23-17B, PS-ACE100-2001-004
23.672 Stability augmentation and automatic and power-operated systems.		DE, AN, GT, FT			AC 23-8B, AC 23-17B, PS-ACE100-2001-004
23.673 Primary flight controls. (3.336)		DE			AC 23-17B
23.675 Stops.		DE, AN, FT			AC 23-17B

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23.677 Trim systems. (3.337)		DE, AN, FT			AC 23-8B, AC 23-17B, PS-ACE100-2001-004
23.679 Control system locks.		DE, GT			AC 23-8B, AC 23-17B, PS-ACE100-2001-004
23.681 Limit load static tests.		AN or GT			AC 23-17B
23.683 Operation tests.		GT, FT			AC 23-17B
23.685 Control system details.		DE			AC 23-17B
23.687 Spring devices.		AN, GT, FT			AC 23-17B
23.689 Cable systems.		DE			AC 23-17B
23.691 Artificial stall barrier system.		AN, FT			AC 23-8B, AC 23-17B
23.693 Joints.		AN			AC 23-17B
23.697 Wing flap controls.		DE, FT			AC 23-8B, AC 23-17B
23.699 Wing flap position indicator.		GT, FT			AC 23-8B, AC 23-17B
23.701 Flap interconnection.		DE, AN, FT			AC 23-8B, AC 23-17B
23.703 Takeoff warning system.		DE, FT			AC 23-17B
<b>LANDING GEAR</b>					
23.721 General.		AN or FT			AC 23-17B
23.723 Shock absorption tests.		AN or GT			AC 23-17B
23.725 Limit drop tests.		GT			AC 23-17B
23.726 Ground load dynamic tests.		AN or GT			AC 23-17B
23.727 Reserve energy absorption drop test.		GT			AC 23-17B

\*Methods of Compliance:

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23.729 Landing gear extension and retraction system.		DE, AN, FT			AC 23-8B, AC 23-17B
23.731 Wheels.		DE, AN			AC 23-17B
23.733 Tires.		DE, AN			AC 23-17B
23.735 Brakes.		AN, GT, FT			AC 23-8B, AC 23-17B
23.737 Skis.		AN			AC 23-17B
23.745 Nose/tail wheel steering.		FT			AC 23-17B
<b>FLOATS AND HULLS</b>					
23.751 Main float buoyancy.		DE, AN			AC 23-17B
23.753 Main float design.		AN, GT			AC 23-17B
23.755 Hulls.		DE, AN			AC 23-17B
23.757 Auxiliary floats.		AN			AC 23-17B
<b>PERSONNEL AND CARGO ACCOMMODATIONS</b>					
23.771 Pilot compartment.		DE, FT			AC 23-8B, AC 23-17B, AC 23-1311-1A, PS-ACE100-2001-004
23.773 Pilot compartment view.		GT, FT			AC 23-8B, AC 23-17B, AC 23-1311-1A, PS-ACE100-2001-004
23.775 Windshields and windows.		DE, GT			AC 23-8B, AC 23-17B

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23.777 Cockpit controls.		DE, FT			AC 23-8B, AC 23-17B, AC 23-1311-1A, PS-ACE100-2001-004
23.779 Motion and effect of cockpit controls. (Figure 3-14)		DE, FT			AC 23-17B
23.781 Cockpit control knob shape. (Figure 3-13)		DE			AC 23-17B
23.783 Doors. (3.389)		DE, AN, GT			AC 23-17B
23.785 Seats, berths, litters, safety belts, and shoulder harnesses. (3.390, 3.390-2)		DE, AN, GT			AC 23-8B, AC 23-17B, PS-ACE100-2001-004
23.787 Baggage and cargo compartments. (3.392)		DE, AN, GT			AC 23-17B
23.791 Passenger information signs.		DE, GT			AC 23-17B
23.803 Emergency evacuation.		GT			AC 23-8B, AC 23-17B
23.805 Flightcrew emergency exits.		DE, AN			AC 23-17B
23.807 Emergency exits.		DE, GT			AC 23-8B, AC 23-17B
23.811 Emergency exit marking.		DE, AN			AC 23-17B
23.812 Emergency lighting.		DE, AN, GT			AC 23-17B
23.813 Emergency exit access.		DE, AN			AC 23-17B
23.815 Width of aisle.		DE			AC 23-17B
23.831 Ventilation. (3.393)		AN, GT, FT			AC 23-8B, AC 23-17B

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<b>PRESSURIZATION</b>					
23.841 Pressurized cabins. (3.395)		DE, AN, GT			AC 23-8B, AC 23-17B
23.843 Pressurization tests. (3.396)		GT, FT			AC 23-8B, AC 23-17B
<b>FIRE PROTECTION</b>					
23.851 Fire extinguishers.		DE			AC 23-17B
23.853 Passenger and crew compartment interiors.		AN, GT			AC 23-2, AC 23-17B, PS-ACE100-2004-10023, PS-ACE100-2004-10030
23.855 Cargo and baggage compartment fire protection.		DE, GT			AC 23-2, AC 23-17B
23.859 Combustion heater fire protection.		DE, AN, GT			AC 23-17B
23.863 Flammable fluid fire protection.		DE and AN or GT			AC 23-17B
23.865 Fire protection of flight controls, engine mounts, and other flight structure.		DE, AN, GT			AC 23-17B

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<b>ELECTRICAL BONDING AND LIGHTNING PROTECTION</b>					
23.867 Electrical bonding and protection against lightning and static electricity.		DE, GT			AC 23-17B, PS-ACE100-2004-10030
<b>MISCELLANEOUS</b>					
23.871 Leveling means. (3.401)		DE			AC 23-17B
<b>Subpart E -- Powerplant</b>					
<b>GENERAL</b>					
23.901 Installation. (3.411)		DE, AN, GT, FT			AC 23-8B, AC 23-16A, AC 20-136, AC 23-1311-1A
23.903 Engines. (3.415)		DE, AN, GT, FT			AC 23-8B, AC 23-16A, AC 20-136
23.904 Automatic power reserve system.		AN, GT, FT			AC 23-16A
23.905 Propellers. (3.416)		DE, AN, GT, FT			AC 23-8B, AC 23-16A
23.907 Propeller vibration. (3.417)		AN, GT, FT			AC 23-16A
23.909 Turbocharger systems.		AN, GT, FT			AC 23-8B, AC 23-16A

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23.925 Propeller clearance. (3.422, 3.422-2)		AN, GT			AC 23-8B, AC 23-16A
23.929 Engine installation ice protection.		AN, GT, FT			AC 23-8B, AC 23-16A
23.933 Reversing systems.		AN, GT, FT			AC 23-8B, AC 23-16A
23.934 Turbojet and turbofan engine thrust reverser systems tests.		AN, GT, FT			AC 23-16A
23.937 Turbopropeller-drag limiting systems.		AN			AC 23-16A
23.939 Powerplant operating characteristics.		AN, GT, FT			AC 23-8B, AC 23-16A
23.943 Negative acceleration.		FT			AC 23-8B, AC 23-16A
<b>FUEL SYSTEM</b>					
23.951 General. (3.429, 3.430)		AN, GT, FT			AC 23-16A
23.953 Fuel system independence. (3.431)		AN, GT, FT			AC 23-16A
23.954 Fuel system lightning protection.		DE, AN			AC 23-16A, AC 20-53A, AC 20-136
23.955 Fuel flow. (3.433, 3.434, 3.435, 3.436)		DE, AN, GT			AC 23-16A
23.957 Flow between interconnected tanks. (3.439)		DE, AN, GT			AC 23-16A

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23.959 Unusable fuel supply. (3.437(a) (less last sent.), 3.437 (less (a)))		AN, GT, FT			AC 23-8B, AC 23-16A
23.961 Fuel system hot weather operation. (3.438)		DE, AN, GT, FT			AC 23-8B, AC 23-16A
23.963 Fuel tanks: General. (3.440 (less last two sent.))		DE, AN, GT			AC 23-16A
23.965 Fuel tank tests. (3.441)		AN, GT			AC 23-16A
23.967 Fuel tank installation. (3.442, 3.442-1)		DE, AN			AC 23-16A
23.969 Fuel tank expansion space. (3.443)		DE, AN			AC 23-16A
23.971 Fuel tank sump. (3.444)		DE, AN			AC 23-16A
23.973 Fuel tank filler connection. (3.445)		DE, AN			AC 23-16A
23.975 Fuel tank vents and carburetor vapor vents. (3.446, 3.447A)		DE, AN, GT, FT			AC 23-16A
23.977 Fuel tank outlet. (3.448)		DE, AN			AC 23-16A
23.979 Pressure fueling systems.		DE, GT			AC 23-16A
<b>FUEL SYSTEM COMPONENTS</b>					
23.991 Fuel pumps. (3.449, 3.449-1)		DE, AN, GT, FT			AC 23-16A

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23.993 Fuel system lines and fittings. (3.550)		DE, AN, GT			AC 23-16A
23.994 Fuel system components.		DE, AN			AC 23-16A
23.995 Fuel valves and controls. (3.551, 3.633)		DE, AN, FT			AC 23-16A
23.997 Fuel strainer or filter. (3.552)		DE, AN, GT			AC 23-16A
23.999 Fuel system drains. (3.553)		DE, AN, GT			AC 23-16A
23.1001 Fuel jettisoning system.		DE, AN, GT, FT			AC 23-8B, AC 23-16A
<b>OIL SYSTEM</b>					
23.1011 General. (3.561, 3.561-1(b))		DE, AN, GT, FT			AC 23-16A
23.1013 Oil tanks. (3.563, 3.565, 3.566, 3.567, 3.568, 3.569)		DE, AN, GT			AC 23-2, AC 23-16A
23.1015 Oil tank tests. (3.564)		AN, GT			AC 23-16A
23.1017 Oil lines and fittings. (3.570, 3.575)		DE, GT			AC 23-16A
23.1019 Oil strainer or filter. (3.573)		AN, GT			AC 23-16A
23.1021 Oil system drains. (3.574)		AN, GT			AC 23-16A
23.1023 Oil radiators. (3.572)		GT			AC 23-16A
23.1027 Propeller feathering system. (3.577)		AN, GT, FT			AC 23-8B, AC 23-16A

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<b>COOLING</b>					
23.1041 General. (3.581)		AN, GT, FT			AC 23-8B, AC 23-16A
23.1043 Cooling tests. (3.582, 3.582-1, 3.583, 3.583-1 (1st sent.), 3.584, 3.585)		AN, GT, FT			AC 23-8B, AC 23-16A
23.1045 Cooling test procedures for turbine engine powered airplanes. (3.586)		AN, GT, FT			AC 23-8B, AC 23-16A
23.1047 Cooling test procedures for reciprocating engine powered airplanes. (3.587)		AN, GT, FT			AC 23-8B, AC 23-16A
<b>LIQUID COOLING</b>					
23.1061 Installation. (3.588, 3.589, 3.591, 3.592, 3.593, 3.594, 3.595)		DE, AN			AC 23-16A
23.1063 Coolant tank tests. (3.590)		AN, GT			AC 23-16A
<b>INDUCTION SYSTEM</b>					
23.1091 Air induction system. (3.605)		DE, AN, GT, FT			AC 23-2, AC 23-8B, AC 23-16A

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23.1093 Induction system icing protection. (3.606)		DE, SI, AN, GT, FT			AC 23-8B, AC 23-16A
23.1095 Carburetor deicing fluid flow rate. (3.607)		AN, GT			AC 23-16A
23.1097 Carburetor deicing fluid system capacity. (3.608)		DE, AN			AC 23-16A
23.1099 Carburetor deicing fluid system detail design. (3.609)		DE, AN			AC 23-16A
23.1101 Induction air preheater design. (3.610)		DE, AN			AC 23-16A
23.1103 Induction system ducts. (3.611)		DE, AN			AC 23-16A
23.1105 Induction system screens. (3.612)		DE, AN			AC 23-16A
23.1107 Induction system filters.		DE, AN, GT			AC 23-16A
23.1109 Turbocharger bleed air system.		DE, AN, GT			AC 23-16A
23.1111 Turbine engine bleed air system.		DE, AN, GT, FT			AC 23-16A
<b>EXHAUST SYSTEM</b>					
23.1121 General. (3.615)		DE, AN, GT, FT			AC 23-16A

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23.1123 Exhaust system. (3.616)		DE, AN, GT, FT			AC 23-16A
23.1125 Exhaust heat exchangers. (3.617, 3.618)		DE, AN, GT, FT			AC 23-16A
<b>POWERPLANT CONTROLS AND ACCESSORIES</b>					
23.1141 Powerplant controls: General. (3.627)		DE, AN, GT, FT			AC 23-8B, AC 23-16A
23.1142 Auxiliary power unit controls.		DE, AN, GT, FT			AC 23-16A
23.1143 Engine controls. (3.628)		DE, AN, FT			AC 23-16A
23.1145 Ignition switches. (3.629)		DE, AN			AC 23-8B, AC 23-16A
23.1147 Mixture controls. (3.630)		DE, AN, FT			AC 23-16A
23.1149 Propeller speed and pitch controls. (3.631)		DE, AN, GT, FT			AC 23-16A
23.1153 Propeller feathering controls. (3.632)		DE, AN, GT, FT			AC 23-8B, AC 23-16A
23.1155 Turbine engine reverse thrust and propeller pitch settings below the flight regime.		DE, AN, GT, FT			AC 23-16A
23.1157 Carburetor air temperature controls. (3.634)		AN, GT			AC 23-16A

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23.1163 Powerplant accessories. (3.635)		DE, AN			AC 23-16A
23.1165 Engine ignition systems. (3.636)		AN, GT, FT			AC 23-16A
<b>POWERPLANT FIRE PROTECTION</b>					
23.1181 Designated fire zones; regions included.		DE			AC 23-16A
23.1182 Nacelle areas behind firewalls.		DE, AN, GT			AC 23-16A
23.1183 Lines, fittings, and components. (3.638)		DE, AN, GT			AC 23-2, AC 23-16A
23.1189 Shutoff means. (3.637)		DE, AN, GT			AC 23-2, AC 23-8B, AC 23-16A
23.1191 Firewalls. (3.623, 3.623-1, 3.624)		DE, AN, GT			AC 23-2, AC 23-16A
23.1192 Engine accessory compartment diaphragm.		DE, AN, GT			AC 23-2, AC 23-16A
23.1193 Cowling and nacelle. (3.625)		DE, AN, GT			AC 23-2, AC 23-16A
23.1195 Fire extinguishing systems.		DE, AN, GT, FT			AC 23-16A
23.1197 Fire extinguishing agents.		DE, AN, GT			AC 23-16A

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23.1199 Extinguishing agent containers.		DE, AN			AC 23-16A
23.1201 Fire extinguishing systems materials.		DE, AN, GT			AC 23-16A
23.1203 Fire detector system.		DE, AN, GT			AC 23-16A
<b>Subpart F -- Equipment</b>					
<b>GENERAL</b>					
23.1301 Function and installation. (3.651 (less 1st sent.), 3.652, 3.652-1)		DE, AN, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A, PS-ACE100-2001-004
23.1303 Flight and navigation instruments. (3.655(a))		DE, AN, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A
23.1305 Powerplant instruments. (3.655(b))		DE, GT, FT			AC 23-8B, AC 23-17B
23.1307 Miscellaneous equipment. (3.655(d)(1), 3.655 (less (a), (b), and (d)))		DE			AC 23-8B, AC 23-17B
23.1309 Equipment, systems, and installations.		AN, GT, FT			AC 23-8B, AC 23-17B, AC 23.1309-1C, AC 23.1311-1A, AC 20-136, PS-ACE100-2001-004

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<b>INSTRUMENTS: INSTALLATION</b>					
23.1311 Electronic display instrument systems.		DE, AN, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A, PS-ACE100-2001-004
23.1321 Arrangement and visibility. (3.661, 3.662)		DE, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A, PS-ACE100-2001-004
23.1322 Warning, caution, and advisory lights.		DE, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A, PS-ACE100-2001-004
23.1323 Airspeed indicating system. (3.663)		DE, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A
23.1325 Static pressure system. (3.665)		DE, GT, FT			AC 23-8B, AC 23-17B
23.1326 Pitot heat indication systems.		DE, GT, FT			AC 23-8B, AC 23-17B, PS-ACE100-2002-007
23.1327 Magnetic direction indicator. (3.666)		GT, FT			AC 23-8B, AC 23-17B
23.1329 Automatic pilot system. (3.667)		DE, GT, FT			AC 23-8B, AC 23-17B
23.1331 Instruments using a power source. (3.668)		DE, AN, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A
23.1335 Flight director systems. (3.669)		DE, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A

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23.1337 Powerplant instruments installation. (3.671, 3.672, 3.672-1, 3.673, 3.674, 3.675)		DE, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A
<b>ELECTRICAL SYSTEMS AND EQUIPMENT</b>					
23.1351 General. (3.681, 3.682, 3.685, 3.686, 3.687)		(DE and AN) or GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A
23.1353 Storage battery design and installation. (3.683)		AN, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A
23.1357 Circuit protective devices. (3.690, 3.691, 3.692)		DE, AN, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A, PS-ACE100-2001-004
23.1359 Electrical system fire protection.		AN, GT			AC 23-8B, AC 23-17B, AC 23.1311-1A, PS-ACE100-2004-10023
23.1361 Master switch arrangement. (3.688, 3.689)		DE, GT			AC 23-8B, AC 23-17B, AC 23.1311-1A
23.1365 Electric cables and equipment. (3.693)		DE, AN, GT			AC 23-8B, AC 23-17B, AC 23.1311-1A
23.1367 Switches. (3.694, 3.695)		DE, GT			AC 23-8B, AC 23-17B, AC 23.1311-1A, PS-ACE100-2001-004

\*Methods of Compliance:

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<b>LIGHTS</b>					
23.1381 Instrument lights. (3.696, 3.696-1, 3.697)		DE, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A, PS-ACE100-2001-004
23.1383 Taxi and landing lights. (3.698, 3.699)		DE, FT			AC 23-8B, AC 23-17B
23.1385 Position light system installation. (3.700)		DE, AN, GT			AC 23-17B, AC 20-74
23.1387 Position light system dihedral angles. (3.701)		DE, AN, GT			AC 23-17B, AC 20-7
23.1389 Position light distribution and intensities. (3.702, 3.702-1, 3.702-2)		DE, AN, GT			AC 23-17B
23.1391 Minimum intensities in the horizontal plane of position lights. (Figure 3-15)		DE, GT			AC 23-17B
23.1393 Minimum intensities in any vertical plane of position lights. (Figure 3-16)		DE, GT			AC 23-17B
23.1395 Maximum intensities in overlapping beams of position lights. (Figure 3-17)		DE, GT			AC 23-17B
23.1397 Color specifications. (3.703)		GT			AC 23-17B
23.1399 Riding light. (3.704)		GT			AC 23-17B
23.1401 Anticollision light system. (3.705, 3.705-1 (1st sent.), Figure 3-18)		DE, AN, GT, FT			AC 23-17B, AC 20-74

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<b>SAFETY EQUIPMENT</b>					
23.1411 General. (3.711 (1st through 27th words))		DE			AC 23-8B, AC 23-17B
23.1415 Ditching equipment. (3.716, 3.717, 3.718)		DE, GT			AC 23-8B, AC 23-17B
23.1416 Pneumatic de-icer boot system.		DE, GT			AC 23-8B, AC 23-17B, AC 23.1419-2C, AC 20-73, AC 23.143-1
23.1419 Ice protection. (3.712)		DE, SI, AN, GT, FT, PExempt			AC 23-8B, AC 23-17B, AC 23.1419-2C, AC 20-73, AC 23.143-1 The analysis and tests to be conducted must be specified. An exemption may be required for stall speed in icing.
<b>MISCELLANEOUS EQUIPMENT</b>					
23.1431 Electronic equipment. (3.721)		AN, GT, FT			AC 23-8B, AC 23-17B, AC 23.1311-1A, AC 20-136, PS-ACE100-2001-004
23.1435 Hydraulic systems. (3.726, 3.727, 3.728)		AN, GT			AC 23-8B, AC 23-17B
23.1437 Accessories for multiengine airplanes. (3.725)		DE			AC 23-17B

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23.1438 Pressurization and pneumatic systems.		AN or GT			AC 23-17B
23.1441 Oxygen equipment and supply.		DE			AC 23-8B, AC 23-17B
23.1443 Minimum mass flow of supplemental oxygen.		AN			AC 23-17B
23.1445 Oxygen distribution system.		DE			AC 23-17B
23.1447 Equipment standards for oxygen dispensing units.		DE, GT, FT			AC 23-8B, AC 23-17B
23.1449 Means for determining use of oxygen.		DE			AC 23-8B, AC 23-17B
23.1450 Chemical oxygen generators.		DE			AC 23-17B
23.1451 Fire protection for oxygen equipment.		DE			AC 23-17B
23.1453 Protection of oxygen equipment from rupture.		DE, GT			AC 23-17B
23.1457 Cockpit voice recorders.		DE, GT, FT			AC 23-8B, AC 23-17B
23.1459 Flight recorders.		DE, GT, FT			AC 23-8B, AC 23-17B
23.1461 Equipment containing high energy rotors.		AN, GT			AC 23-17B
<b>Subpart G -- Operating Limitations and Information</b>					
23.1501 General. (3.735, 3.737)		DE, FT			AC 23-8B, AC 23.1311-1A

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23.1505 Airspeed limitations. (3.738, 3.739, 3.740)		DE, FT			AC 23-8B
23.1507 Operating maneuvering speed. (3.741)		DE, FT			AC 23-8B
23.1511 Flap extended speed. (3.742)		DE, FT			AC 23-8B
23.1513 Minimum control speed. (3.743)		DE, FT			AC 23-8B
23.1519 Weight and center of gravity. (3.748)		DE, FT			AC 23-8B
23.1521 Powerplant limitations. (3.744)		DE, FT			AC 23-8B
23.1522 Auxiliary power unit limitations.		DE, FT			
23.1523 Minimum flight crew. (3.749)		DE, FT			AC 23-8B, AC 23.1523, PS-ACE100-2001-004
23.1524 Maximum passenger seating configuration.		DE, FT			AC 23-8B
23.1525 Kinds of operation. (3.750)		DE, FT			AC 23-8B
23.1527 Maximum operating altitude.		DE, FT			AC 23-8B
23.1529 Instructions for Continued Airworthiness.		DE, AN, GT, FT			AC 23.1311-1A

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<b>MARKINGS AND PLACARDS</b>					
23.1541 General. (3.755)		DE, FT			AC 23-8B, AC 23.1311-1A, AC 20-88A
23.1543 Instrument markings: General. (3.756)		DE, FT			AC 23-8B, AC 23.1311-1A, AC 20-88A
23.1545 Airspeed indicator. (3.757)		DE, FT			AC 23-8B, AC 23.1311-1A
23.1547 Magnetic direction indicator. (3.758)		DE, FT			AC 23-8B
23.1549 Powerplant and auxiliary power unit instruments. (3.759)		DE, FT			AC 23-8B, AC 23.1311-1A, AC 20-88A
23.1551 Oil quantity indicator. (3.760)		DE, FT			AC 23-8B, AC 23.1311-1A
23.1553 Fuel quantity indicator. (3.761 (less 49th through 85th words))		DE, FT			AC 23-8B, AC 23.1311-1A
23.1555 Control markings. (3.762, 3.762-1, 3.763, 3.764, 3.765)		DE, FT			AC 23-8B, AC 23.1311-1A, PS-ACE100-2001-004
23.1557 Miscellaneous markings and placards. (3.766, 3.767, 3.768, 3.769)		DE, FT			AC 23-8B
23.1559 Operating limitations placard. (3.770, 3.772)		DE, FT			AC 23-8B, AC 23.1311-1A
23.1561 Safety equipment.		DE, FT			AC 23-8B
23.1563 Airspeed placards. (3.771)		DE, FT			AC 23-8B
23.1567 Flight maneuver placard.		DE, FT			AC 23-8B

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<b>AIRPLANE FLIGHT MANUAL AND APPROVED MANUAL MATERIAL</b>					
23.1581 General. (3.777)		DE, FT			AC 23-8B, AC 23.1311-1A
23.1583 Operating limitations. (3.124(a) (last sentence), 3.124(c)(4), 3.761 (49th through 85th words), 3.778)		DE, FT			AC 23-8B, AC 23.1311-1A
23.1585 Operating procedures. (3.779)		DE, FT			AC 23-8B
23.1587 Performance information. (3.84(c), 3.86(b), 3.120(e) (less 1st through 26th words), 3.123(b) (less (1) and (2)), 3.437(a) (last sent.), 3.440 (next to last sent.), 3.780, 3.780(b) (1st sent.))		DE, FT			AC 23-8B
23.1589 Loading information. (3.73-3 (less (a) and (b)), 3.76)		DE, FT			AC 23-8B
Appendix A to Part 23 -- Simplified Design Load Criteria					

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Appendix B to Part 23 [Reserved] <i>(note following 3.211, Figures 3-3(a), 3-3(b), 3-4, 3-5(a), 3-5(b), 3-6, 3-7, 3-8, 3-9, 3-10)</i>					
Appendix C to Part 23 -- Basic Landing Conditions <i>(Figures 3-12(a), 3-12(b))</i>					
Appendix D to Part 23 -- Wheel Spin-Up and Spring-Back Loads <i>(3.245-1(b) (equation and following))</i>					
Appendix E to Part 23 [Reserved]					
Appendix F to Part 23 -- Test Procedure					
Appendix G to Part 23 -- Instructions for Continued Airworthiness					
Appendix H to Part 23 -- Installation of An Automatic Power Reserve (APR) System					
Appendix I to Part 23 -- Seaplane Loads					
<b>EQUIVALENT LEVELS OF SAFETY (ELOS):</b>					
ELOS for 23.xxx					
ELOS for 23.xxx					

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<b>EXEMPTIONS:</b>					
Exemption to 23.xxx					
Exemption to 23.xxx					
<b>SPECIAL CONDITIONS:</b>					
Special Condition 1					
Special Condition 2					
<b>Title 14 CFR part 34:</b>					
Piston Engine		N/A			
Turbine Engine (Reference 34.11)				FAA only	
Title 14 CFR part 36: [No Acoustical Change]		AN, FT		FAA only	AC 36-4C
Title 14 CFR part 36: [Acoustical Change]		AN, FT		FAA only	AC 36-4C

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