



## CAR OPS 1 INSTRUMENTS AND EQUIPMENT COMPLIANCE DECLARATION

### CAR OPS 1 CHAPTER 11, 12 & 19 COMPLIANCE DECLARATION (INSTRUMENTS & EQUIPMENT)

*Note: This document is based on CAR OPS 1, Revision 01 dated 01 July 2021 and operators must refer to this document when completing this declaration.*

1.1 Name of Operator:						
1.2 Registration Mark:						
1.3 Manufacturer's Designation of Aircraft:						
1.4 Serial No.:						
1.5 Aircraft Manufacturer:						
1.6 Date of Manufacture:						
1.7 Maximum Certificated Take-off Weight (MTOW):						
1.8 Maximum approved passenger seating configuration (MAPSC):						
CAR OPS 1 CHAPTER 11 REQUIREMENTS			MEANS OF COMPLIANCE			
Chapter 11 – Instruments and Equipment	Requirement satisfied through type design as specified in Type Certificate Data Sheet (TCDS)		Requirement satisfied through Supplemental Type Certificate (STC) Quote STC No.		Remarks	
	Yes	No	Yes	No		
<b>1.630 General introduction</b>						
(a) Instruments & equipment to be approved and in operable condition						
(b) Instruments & equipment performance standards						
(c) Items without equipment approval						
(d) Cockpit equipment installation						
(e) Visibility of cockpit instruments						
(f) Instruments to control flightpath						
<b>1.635 Circuit protection devices</b>						
(a) Spare fuses						
<b>1.640 Aeroplane operating lights</b>						
(a) Operating lights for flights by day						
(b) Operating lights for flights by night						
<b>1.645 Windshield wipers</b>						
(a) Windshield wipers or equivalent means						
<b>1.650 Day VFR operations – Flight and navigational instruments and associated equipment</b>						
(a) Magnetic compass						
(b) Timepiece						
(c) Sensitive pressure altimeter						
(d) Airspeed indicator						



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	Yes	No	Yes	No	
Chapter 11 – Instruments and Equipment					
(e) Vertical speed indicator					
(f) Turn and slip indicator					
(g) Attitude indicator					
(h) Stabilized direction indicator					
(i) Outside air temperature indication					
(j) Alternate means of compliance					
(k) Instruments for two pilot aeroplanes					
(l) Heated pitot tube					
(m) Separate displays for each pilot					
(n) Power supply malfunction indication					
(o) Mach number indicator					
(p) Headset with boom microphone					
<b>1.652 IFR or night operations – Flight and navigational instruments and associated equipment</b>					
(a) Magnetic compass					
(b) Timepiece					
(c) Sensitive pressure altimeter					
(d) Airspeed indicating system with heated pitot tube					
(e) Vertical speed indicator					
(f) Turn and slip indicator					
(g) Attitude indicator					
(h) Stabilized direction indicator					
(i) Outside air temperature indication					
(j) Independent static pressure systems					
(k) Instruments for two pilot aeroplanes					
(l) Stand-by attitude indicator					
(m) Stand-by attitude indicator power source indication					
(n) Chart holder					
(o) Alternate means of compliance					
(p) Separate displays for each pilot					
(q) Power supply malfunction indication					
(r) Mach number indicator					
(s) Headset with boom microphone					
(t) HUD/EVS/SVS/CVS equipment (if fitted)					
<b>1.655 Additional equipment for single pilot operation under IFR</b>					
(a) Autopilot					
<b>1.660 Altitude alerting system</b>					
(a) Pre-selected altitude alerting					
<b>1.665 Ground proximity warning system</b>					



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	Yes	No	Yes	No	
<b>Chapter 11 – Instruments and Equipment</b>					
(a) Applicability					
(b) System requirements					
(c) Visual and aural signals; forward looking capability					
<b>1.668 Airborne Collision Avoidance System</b>					
(a) Applicability; ACAS II, Version 7.1					
<b>1.670 Airborne weather radar equipment</b>					
(a) Applicability					
(b) Alternate means of compliance					
<b>1.675 Equipment for operations in icing conditions</b>					
(a) Aeroplane to be certificated & equipped					
(b) Detection of ice formation at night					
<b>1.680 Cosmic radiation detection equipment</b>					
(a) Applicability; Measurement equipment					
<b>1.685 Flight crew interphone system</b>					
(a) Applicability; System requirements					
<b>1.690 Crew member interphone system</b>					
(a) Applicability					
(b) System requirements					
<b>1.695 Public address system</b>					
(a) Applicability					
(b) System requirements					
<b>1.700 Cockpit voice recorders</b>					
(a) Applicability and system requirements					
(b) Recording time					
(c) Alternate power source					
<b>Appendices to OPS 1.700 Cockpit voice recorders</b>					
(a) System requirements					
(b) Inspection capability					
(c) Underwater locating device (90 days)					
<b>1.710 Flight data recorders &lt; 5700kg</b>					
(a) Applicability and system requirements					
(b) Parameters					
(c) Alternate power source					
<b>1.715 Flight data recorders &gt; 5700kg</b>					
(a) Applicability and system requirements					
(b) Parameters					
(c) Recording time					
(d) Exemption on parameters needed					



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		Yes	No		Yes
<b>Chapter 11 – Instruments and Equipment</b>					
<b>1.720 Flight data recorders – Data link</b>					
(a) Applicability; Digital method of recording					
(b) Recording time					
(c) System requirements					
<b>1.725 Combination Recorder</b>					
(a) Applicability					
<b>Appendices to OPS 1.710/1.715/1.720 Flight data recorders</b>					
(a) System requirements					
(b) Inspection capability					
(c) Underwater locating device (90 days)					
(d) Start and stop of recording					
<b>1.730 Seats, seat safety belts, harnesses and child restraint devices</b>					
(a) Requirement					
(b) Shoulder harness single point release					
(c) Exceptions					
<b>1.731 Fasten Seat belt and No Smoking signs</b>					
(a) Requirement					
<b>1.735 Internal doors and curtains</b>					
(a) Applicability; Requirement					
(b) Means for opening doors in emergency					
(c) Securing of doors and curtains					
(d) Placards for doors and curtains					
(e) Unlocking of doors					
<b>1.745 First-Aid Kits</b>					
(a) Number of kits					
(b) Inspection of kits					
<b>1.755 Emergency Medical Kit</b>					
(a) Applicability					
(b) Use of kit by qualified persons					
(c) Conditions for carriage					
<b>1.760 First-aid oxygen</b>					
(a) Applicability; Requirement					
(b) Quantity of oxygen					
(c) Mass flow					
<b>1.770 Supplemental oxygen – pressurised aeroplanes</b>					
(a) General					
(b) Oxygen equipment and supply requirements					



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		Yes	No		Yes
<b>Chapter 11 – Instruments and Equipment</b>					
<b>1.775 Supplemental oxygen – Non-pressurised aeroplanes</b>					
(a) General					
(b) Oxygen supply requirements					
<b>1.780 Crew Protective Breathing Equipment</b>					
(a) Applicability; Requirement					
(b) Location of flight deck PBE					
(c) Location of cabin crew PBE					
(d) Additional PBE					
(e) Communication					
<b>1.790 Hand fire extinguisher</b>					
(a) Type and quantity of extinguishing agent					
(b) Flight deck fire extinguisher					
(c) Fire extinguishers for galleys not in cabin					
(d) Fire extinguishers for Class A, B and E cargo bays.					
(e) Number of fire extinguishers in cabin					
(f) Halon 1211 & allowable extinguisher type					
<b>1.795 Crash axes and crowbars</b>					
(a) Applicability and number of crash axes and crowbars					
(b) Visibility of crash axes and crowbars					
<b>1.800 Marking of break-in points</b>					
(a) Applicability; Requirement					
<b>1.805 Means for emergency evacuation</b>					
(a) Applicability; Requirement					
(b) Exceptions					
(c) Flight crew emergency evacuation					
<b>1.810 Megaphones</b>					
(a) Applicability; Requirement					
<b>1.815 Emergency lighting</b>					
(a) Applicability; Requirement					
(b) General cabin illumination					
<b>1.817 Electronic Flight Bag (EFB)</b>					
Applicability and type (if used)					
<b>1.820 Emergency Locator Transmitter</b>					
(a) Applicability; Requirement					
(b) Applicability; requirement; exceptions					



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Chapter 11 – Instruments and Equipment	Requirement satisfied through type design as specified in Type Certificate Data Sheet (TCDS)		Requirement satisfied through Supplemental Type Certificate (STC) Quote STC No.		
	Yes	No	Yes	No	
(c) Coding of 406 MHz ELT					
<b>1.825 Life Jackets</b>					
(a) Land aeroplanes					
(b) Seaplanes and amphibians					
<b>1.830 Life-rafts and survival ELT's for extended overwater flights</b>					
(a) Applicability					
(b) Requirement; number of rafts					
(c) Survival ELT					
(d) Underwater locating device (>27000kg)					
<b>1.835 Survival equipment</b>					
(a) Applicability; signalling equipment					
(b) ELT					
(c) Additional survival equipment					
<b>1.840 Seaplanes and amphibians – Miscellaneous equipment</b>					
(a) Mooring, anchoring, manoeuvring, signalling equipment					
<b>1.842 Additional requirements for single engine turbine powered aeroplanes at night and IFR</b>					
(a) Applicability and aircraft systems					





CAR OPS 1 Chapter 12 REQUIREMENTS	MEANS OF COMPLIANCE				
	Requirement satisfied through type design as specified in Type Certificate Data Sheet (TCDS)		Requirement satisfied through Supplemental Type Certificate (STC) Quote STC No.		Remarks
	Yes	No	Yes	No	
<b>Chapter 12 – Communications, Navigation &amp; Surveillance Equipment</b>					
<b>1.845 General Introduction</b>					
(a) Communication and navigation equipment to be approved and in operable condition					
(b) Communication and navigation equipment performance standards					
<b>1.850 Radio Equipment</b>					
(a) Requirement					
(b) Antenna installation					
(c) Emergency frequency 121.5 MHz					
(d) RCP requirements					
<b>1.855 Audio Selector Panel</b>					
(a) Requirement					
<b>1.860 Radio equipment for operations under VFR over routes navigated by reference to visual landmarks</b>					
(a) Communication with ground stations					
(b) Communication with air traffic control					
(c) Reception of MET information					
<b>1.865 Communication and Navigation equipment for operations under IFR, or under VFR over routes not navigated by reference to visual landmarks</b>					
(a) Requirement					
(b) Radio equipment					
(c) Navigation equipment					
(d) Alternative equipment					
(e) FM immunity of communication and navigation equipment					
<b>1.866 Transponder equipment</b>					
(a) Requirement					
<b>1.867 Surveillance equipment</b>					
(a) RSP requirements					
<b>1.870 Additional navigation equipment for operations in NAT HLA airspace</b>					
(a) Requirement					
(b) Visibility of navigation equipment					
(c) Unrestricted operation in NAT HLA					
(d) Operation in NAT HLA airspace					
<b>1.872 Equipment for operation in defined airspace with Reduced Vertical Separation Minima (RVSM)</b>					
(a) Requirement					
<b>1.873 Electronic navigation data management</b>					
(a) Navigation data base					



CAR OPS 1 CHAPTER 19 REQUIREMENTS	MEANS OF COMPLIANCE				
Chapter 19 – Security Equipment	Requirement satisfied through type design as specified in Type Certificate Data Sheet (TCDS)		Requirement satisfied through Supplemental Type Certificate (STC) Quote STC No.		Remarks
	Yes	No	Yes	No	
<b>1.1255 Security door</b>					
(a) Lockable cockpit door					
(b)(1) Reinforced > 54 500kg MCTOM					
(b)(2) Reinforced > 45 500kg MCTOM with more than 19 passengers					
(b)(3) Reinforced where more than 60 passengers					
(c)(2) Ability to view the entire door area outside the cockpit door from either pilot's seat					
<b>COMPLIANCE DECLARATION BY ACCOUNTABLE MANAGER</b>					
I herewith declare the correctness of this form in respect to the equipment requirements of CAR OPS 1, Chapter 11, 12 and 19, and this equipment is reflected in the aircraft MEL. I accept that any false claims identified during their subsequent inspection may result in suspension of the AOC process.					
Date:					
Name:		Signature:			

