

## REPUBLIC of SAN MARINO CIVIL AVIATION AUTHORITY

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CAR OPS 1 INSTRUMENTS AND EQUIPMENT COMPLIANCE STATEMENT (AEROPLANE)

CAR OPS 1 SUBPARTS K, L & S  AIRCRAFT INSTRUMENTS & EQUIPMENT COMPLIANCE STATEMENT  Note: This document is based on CAR OPS 1, as amended and operators must refer to this document when completing this							
statement. Equipment changes since last issue are marked with a vertical line.  1.1 Name of Operator:							
1.2 Registration Mark:				T7-			
1.3 Manufacturer's Designation of Aircraft:							
1.4 Aircraft Serial No.:							
1.5 Manufacturer of Aircraft:							
1.6 Date of Manufacture:							
1.7 Date of First individual C of A received							
1.8 Maximum Certificated Take-off Mass (MTO	M):						
1.9 Maximum approved passenger seating con	figuratio	n (MAPS	SC):				
1.10 Which version of CAR OPS 1 is this declara	ation is b	ased on	:				
CAR OPS 1 SUBPART K REQUIREMENTS							
Subpart V Instrument and Equipment		СОМР	LIANCE <sup>2</sup>		Remarks <sup>3</sup>		
Subpart K – Instrument and Equipment <sup>1</sup>	TCDS	STC	Other	N/A	nemarks.		
1.630 General introduction							
(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) Control flight path							
1.635 Circuit protection devices	1	1	1				
(a) Spare fuses							
1.640 Aeroplane operating lights							
(a) Operating lights for flights by day							
(b) Operating lights for flights by night							
1.645 Windshield wipers		T					
(a) Windshield wipers or equivalent means							
1.650 Day VFR operations – Flight and navigational instruments and associated equipment							
(a) Magnetic compass							
/h) Time anice a		1 [7]			1		

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CAR OPS 1 SUBPART K REQUIREMENTS							
		СОМР	LIANCE <sup>2</sup>				
Subpart K – Instrument and Equipment <sup>1</sup>	TCDS	STC	Other	N/A	Remarks <sup>3</sup>		
(c) Sensitive pressure altimeter							
(d) Airspeed indicator							
(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							
(I) Heated pitot tube							
(m) Separate displays for each pilot							
(n) Power supply malfunction indication							
(o) Mach number indicator							
(p) Headset with boom microphone							
(q) Equipped for VFR flights as controlled flights (see OPS 1.652)							
1.652 IFR or night operations – Flight and nav	igational	instrun	nents and	l associa	ted equipment		
(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							
(I) 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) Hybrid ALS, HUD, EVS, SVS or CVS criteria							



CAR OPS 1 SUBPART K REQUIREMENTS								
Subpart K – Instrument and Equipment <sup>1</sup>		COMPLIANCE <sup>2</sup>			Remarks <sup>3</sup>			
	TCDS	STC	Other	N/A				
1.655 Additional equipment for single pilot o	peration	under I	FR		1			
(a) Autopilot			<u> </u>					
1.660 Altitude alerting system			T					
(a) Pre-selected altitude alerting								
1.665 Ground proximity warning system				I				
(a) Applicability								
(b) System requirements								
(c) Visual and aural signals; forward looking capability								
1.668 Airborne Collision Avoidance System								
(a) Applicability; ACAS II, Version 7.1								
(b) Functionality								
1.670 Airborne weather radar equipment								
(a) Applicability								
(b) Alternate means of compliance								
1.672 Runway Overrun Awareness and Alerti	ng Syster	n (ROA	AS)					
Applicability and system requirements								
1.675 Equipment for operations in icing cond	itions							
(a) Aeroplane to be certificated & equipped								
(b) Detection of ice formation at night								
1.680 Cosmic radiation detection equipment	1							
(a) Applicability; Measurement equipment								
1.685 Flight crew interphone system								
(a) Applicability; System requirements								
1.690 Crew member interphone system								
(a) Applicability								
(b) System requirements								
1.695 Public address system								
(a) Applicability	ΙП	ПП	ΤП	ПП				
(b) System requirements								
1.700 Cockpit voice recorders								
(a), (b), (c), (f) & (g) Applicability and system requirements								
(d) Recording media								
(e) Recording time								
(h1) & (h2) Alternate power source								
1.710 Flight data recorders < 5700kg					1			
(a) Applicability and system requirements								
(b) Recording media	ΙĒ		$\Box$					



CAR OPS 1 SUBPART K REQUIREMENTS							
Subpart K – Instrument and Equipment <sup>1</sup>	TCDS	STC	LIANCE <sup>2</sup> Other	N/A	Remarks <sup>3</sup>		
1.715 Flight data recorders > 5700kg	TCD3	1 310	Other	11/7			
(a)-(g) Applicability and system requirements	ΤП	ΙП	Ιп	ΙП			
(h) Recording media							
(i) Recording time							
(j) Exemption on parameters needed							
1.720 Flight data recorders – Data link							
(a)–(b) Applicability; Digital method of recording							
(c) Recording time							
(d) System requirements							
1.725 Combination Recorder							
(a) Applicability							
Appendices to OPS 1.700/1.710/1.715/1.720	Flight da	ta recor	ders				
(a) System requirements							
(b) Inspection capability							
(c) Underwater locating device (90 days)							
(d) Start and stop of recording							
1.730 Seats, seat safety belts, harnesses and	child rest	raint de	evices				
(a) Requirement							
(b) Shoulder harness single point release							
(c) Exceptions							
1.731 Fasten Seat belt and No Smoking signs							
(a) Requirement							
1.735 Internal doors and curtains							
(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							
1.745 First-Aid Kits							
(a) Number of kits							
(b) Inspection of kits							
1.755 Emergency Medical Kit							
(a) Applicability							
(b) Use of kit by qualified persons							
(c) Conditions for carriage							
1.760 First-aid oxygen							
(a) Applicability: Requirement	ПП			ПП			



CAR OPS 1 SUBPART K REQUIREMENTS							
Subpart K – Instrument and Equipment <sup>1</sup>	COMPLIANCE <sup>2</sup>				Remarks <sup>3</sup>		
	TCDS	STC	Other	N/A			
(b) Quantity of oxygen							
(c) Sufficient number	┞╬						
(d) Sufficient quantity	$\Box$						
(e) Mass flow							
1.770 Supplemental oxygen – pressurised aer	oplanes	I	<del></del>				
(a) General							
(b) Oxygen equipment and supply requirements							
1.775 Supplemental oxygen – Non-pressurise	d aeropla	nes					
(a) General							
(b) Oxygen supply requirements							
1.780 Crew Protective Breathing Equipment							
(a) Applicability; Requirement							
(b) Location of flight deck PBE							
(c) Location of cabin crew PBE							
(d) Additional PBE							
(e) Communication							
1.790 Hand fire extinguisher							
(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 or equivalent allowable extinguisher type (as applicable)							
(g) Built-in fire extinguisher type							
1.795 Crash axes and crowbars							
(a) Applicability and number of crash axes and crowbars							
(b) Visibility of crash axes and crowbars							
1.800 Marking of break-in points							
(a) Applicability; Requirement							
1.805 Means for emergency evacuation							
(a) Applicability; Requirement							
(b) Exceptions							
(c) Flight crew emergency evacuation							
1.810 Megaphones	•						
(a) Applicability; Requirement							



CAR OPS 1 SUBPART K REQUIREMENTS								
Subpart K – Instrument and Equipment <sup>1</sup>	TCDS	STC	Other	N/A	Remarks <sup>3</sup>			
1.815 Emergency lighting								
(a) Applicability; Requirement								
(b) General cabin illumination								
1.820 Emergency Locator Transmitter								
(a) Applicability; Requirement								
(b) Applicability; requirement; exceptions								
(c) Coding of 406 MHz ELT								
1.821 Location of an Aeroplane in Distress								
(a) Applicability: Requirements								
1.825 Life Jackets								
(a) Land aeroplanes								
(b) Seaplanes and amphibians								
1.830 Life-rafts and survival ELTs for extended	l overwa	ter fligh	its					
(a) Applicability								
(b) Requirement; number of rafts								
(c) Survival ELT								
(d) Underwater locating device (>27000kg)								
1.835 Survival equipment								
(a) Applicability; signalling equipment								
(b) ELT								
(c) Additional survival equipment								
1.840 Seaplanes and amphibians – Miscellane	ous equi	pment						
(a) Mooring, anchoring, manoeuvring, signalling equipment								
1.842 Additional requirements for single engi	ne turbir	ne powe	red aero	olanes a	t night and IFR			
(a) Applicability and aircraft systems								



CAR OPS 1 SUBPART L REQUIREMENTS							
Subpart L – Communication, Navigation		COMPL	IANCE <sup>2</sup>				
& Surveillance Equipment <sup>1</sup>	TCDS	STC	Other	N/A	Remarks <sup>3</sup>		
1.845 General Introduction							
(a) Communication and navigation							
equipment to be approved and in operable condition			Ш	Ш			
(b) Communication and navigation							
equipment minimum performance							
1.850 Communication Equipment							
(a) Requirement							
(b) Antenna installation							
(c) Emergency frequency 121.5 MHz							
(d) RCP requirements							
1.855 Audio Selector Panel							
(a) Requirement							
1.860 Communication equipment for opera	ations und	ler VFR o	ver route	s naviga	ted by reference to visual landmarks		
(a) Communication with ground stations							
(b) Communication with air traffic control							
(c) Reception of meteorological information							
1.865 Communication and Navigation equi by reference to visual landmarks	pment for	operation	ons under	IFR, or u	under VFR over routes not navigated		
(a) Requirement							
(b) & (c) Communication equipment							
(d) Navigation equipment							
(d) & (e) Alternative equipment							
(f) FM immunity of communication and							
navigation equipment							
(g) Communications to support EDTO operations							
(h) Instrument to support landing in IMC conditions							
1.866 Transponder equipment							
(a) Requirement							
(b) & (c) Pressure altitude equipment							
resolution							
1.867 Surveillance equipment							
(a) Requirement							
(b) RSP requirements							
1.870 Additional navigation equipment for	operation	ns in NAT	HLA airs	oace			
(a) Requirement							
(b) Visibility of navigation equipment							
(c) Unrestricted operation in NAT HLA							



CAR OPS 1 SUBPART L REQUIREMENTS							
Subpart L – Communication, Navigation		СОМРІ	IANCE <sup>2</sup>				
& Surveillance Equipment <sup>1</sup>	TCDS	STC	Other	N/A	Remarks <sup>3</sup>		
(d) Operation in NAT HLA airspace along notified special routes							
1.872 Equipment for operation in defined airspace with Reduced Vertical Separation Minima (RVSM)							
(a) Requirement	$\Gamma \square$						
1.873 Electronic navigation data managem	ient						
(a) Navigation data base LoA							
(b) Alternative standard of integrity							
			<u> </u>				
CAR	OPS 1 SUI	BPART S	REQUIRE	MENTS			
Outrant O. Consider 1		СОМРІ	IANCE <sup>2</sup>		D3		
Subpart S – Security <sup>1</sup>	TCDS	STC	Other	N/A	Remarks <sup>3</sup>		
1.1255 Security door							
(a) Lockable cockpit door							
(b) Reinforced > 54 500kg MCTOM							
(c) Reinforced > 45 500kg MCTOM with							
more than 19 passengers (d) Reinforced where more than 60	<del>                                     </del>	<del>                                     </del>					
passengers							
(e) Ability to view the entire door area outside the cockpit door from either							
pilot's seat							
OPERATOR COMPLIANCE STATEMENT  I herewith confirm correctness of the compliance statement and the CAR OPS, Subparts K, L and S, 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.	t any false	claims id	lentified d	uring the	ir subsequent inspection may result		
Date:							
Email:4		Telep	hone no:4				
Name of		Signat	ture of				

## **Guidance Notes for the Completion of this Application**

Accountable Manager:

1. All items must be completed.

Accountable Manager:

- 2. Please select the compliance method by ticking the applicable item (TCDS, STC, Other or N/A).
- 3. In the remarks column please specify the reference of the document that refers STC number, Service bulletin number, FAA Form 337, or operations manual reference, as applicable.
- 4. Please provide an email address and contact telephone number in case of queries.

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