

# PILOT / AIRCRAFT DOCUMENTATION / EQUIPMENT CHECKLIST

## Registration and Licencing Documentation:

A/C Registration \_\_\_\_\_ Pilot \_\_\_\_\_ Licence # \_\_\_\_\_ Medical Valid to \_\_\_\_\_

## Aircraft Loading:

Weights: Adult Male                      Adult Female                      Children                      Infants                      Baggage:

## Required items Checklist:

<i>Item</i>	<i>CAR</i>	<i>Required for Day VFR 605.14:</i>
Pilot Licence	401.03	Altimeter
Med Certificate	401.03	ASI
C of R	202.26	Compass
C of A	605.03	Tachometer
Journey Log	605.95	Oil Pressure
Insurance	606.02	Oil Temp
A/C Flight Manual	605.04	Fuel Quantity
Wt & Balance	605.92	
Checklists (N&E)	602.60	
Compass Swing	App C	<i>Required for Night VFR 605.16:</i>
ELT	605.38	
First Aid Kit	602.60	AI (night)
Fire Extinguisher	602.60	Turn/Slip/Skid
Markings & Placards	605.05	VSI
Seat Belts	605.22	OAT
Shoulder Harness	605.24	Current navigation charts
Load Security	602.86	

NOTE: The above list is typical for a private general aviation aircraft. The regulations may have additional requirements for specialized aircraft or tasks

## CARs Excerpts:

401.03(1) "no person shall act as a flight crew member ... unless (a)... the person is the holder of, and can produce while so acting and while exercising such privileges, the appropriate permit, licence or rating and a valid and appropriate medical certificate."

202.26 "No person shall operate an aircraft ... unless the Certificate of Registration ... is carried on board..."

605.03(1)"No person shall operate ... in flight unless ... (c) ... the flight authority is carried on board..."

605.95(1)"...no person shall conduct a take-off in an aircraft unless the journey log is carried on board ..."

606.02(9)"...no owner or operator ... shall operate the aircraft unless there is carried on board ... proof that liability insurance is subscribed for in accordance with this Section"

605.04(1)"No person shall conduct a take-off in an aircraft ... unless the aircraft flight manual ... is available to the flight crew members at their duty stations."

605.92 (1) Every owner of an aircraft shall keep the following technical records in respect of the aircraft:(a) a journey log; and(c),... an empty weight and balance report that meets the applicable standards (3) In the case of a balloon or a glider, or an aircraft operated under a special certificate of airworthiness in the owner-maintenance or amateur-built classification, all entries in respect of the technical records referred to in paragraphs (1)(b) and (c) may be kept in the journey log.

602.60 (1) No person shall conduct a take-off in a power-driven aircraft, other than an ultra-light aeroplane, unless the following operational and emergency equipment is carried on board:(a) a checklist or placards... (b) where the aircraft is operated in VFR OTT, night VFR flight or IFR flight, all of the necessary current aeronautical charts and publications covering the route of the proposed flight and any probable diversionary route;(c) a hand-held fire extinguisher in the cockpit ... (d) a timepiece that is readily available to each flight crew member;(e) where the aircraft is operated at night, a flashlight that is readily available to each crew member; and(O a first aid kit.(2) A checklist or placards referred to in paragraph (1)(a) shall enable the aircraft to be operated in normal, abnormal and emergency conditions and shall include(a) a pre-start check;(b) a pre-take-off check;(c) a post-take-off check;(d) a pre-landing check; and(e) emergency procedures.(3) Emergency procedures referred to in paragraph (2)(e) shall include(a) emergency operation of fuel, hydraulic, electrical and mechanical systems, where applicable;(b) emergency operation of instruments and controls, where applicable;(c) engine inoperative procedures; and(d) any other procedure that is necessary for aviation safety.

605.38 .... no person shall operate an aircraft unless it is equipped with one or more ELTs ... (3) An aircraft referred to in subsection (1) may be operated without an ELT on board where the aircraft is(a) a glider, balloon, airship, ultra-light aeroplane or gyroplane; ... (b) ... (c) .... (d) operated by the holder of a flight training unit operating certificate, engaged in flight training and operated within 25 nautical miles of the aerodrome of departure;(e) engaged in a flight test; (f) ... (g) operated for the purpose of permitting a person to conduct a parachute descent within 25 nautical miles of the aerodrome of departure; or(h) operated in accordance with section 605.39.(4)

605.39 (1) An aircraft that is required to be equipped with one or more ELTs under section 605.38 may be operated without a serviceable ELT if the operator(a) repairs the ELT or removes it from the aircraft at the first aerodrome at which repairs or removal can be accomplished;(b) on removal of the ELT, sends the ELT to a maintenance facility; and(c) displays on a readily visible placard within the aircraft cockpit, until the ELT is replaced, a notice stating that the ELT has been removed and setting out the date of removal(2).... APPENDIX C - Out of Phase Tasks and Equipment Maintenance Requirements ... Non-stabilized Magnetic Direction Indicators (MDIs)... non-stabilized magnetic direction indicators shall be calibrated, and a dated correction card installed for each indicator, at intervals not exceeding 12 months; 11. Emergency Locator Transmitters (ELTs)(a) ... the ELT shall be checked at intervals not exceeding 12 months...

602.86 (1) No person shall operate an aircraft with carry-on baggage, ... or cargo on board, unless the carry-on baggage, ... cargo are(a) stowed in a bin, compartment, ... that is certified in accordance with the aircraft type certificate in respect of the stowage of carry-on baggage, equipment or cargo; or(b) restrained so as to prevent them from shifting during movement of the aircraft on the surface and during take-off, landing and in-flight turbulence.

605.22 (1) Subject to subsection 605.23, no person shall operate an aircraft other than a balloon unless it is equipped with a seat and safety belt for each person on board the aircraft other than an infant;...

605.24 (1) No person shall operate an aeroplane, other than a small aeroplane manufactured before July 18, 1978, unless each front seat .... each seat on the flight deck is equipped with a safety belt that includes a shoulder harness.

#### Power-driven Aircraft - Day VFR

605.14 No person shall conduct a take-off in a power-driven aircraft for the purpose of day VFR flight unless it is equipped with(a) where the aircraft is operated in uncontrolled airspace, an altimeter;(b) where the aircraft is operated in controlled airspace, a sensitive altimeter adjustable for barometric pressure;(c) an airspeed indicator;(d) a magnetic compass ... ;(e) a tachometer for each engine ... that has limiting speeds established by the manufacturer;(f) an oil pressure indicator for each engine employing an oil pressure system;(g) a coolant temperature indicator for each liquid-cooled engine;(h) an oil temperature indicator for each air-cooled engine having a separate oil system;(i) a manifold pressure gauge for each(i) reciprocating engine equipped with a variable-pitch propeller.... (j) a means for the flight crew, when seated at the flight controls to determine(i) the fuel quantity in each main fuel tank, and(ii) if the aircraft employs retractable landing gear, the position of the landing gear;(k) a radiocommunication system adequate to permit two-way communication on the appropriate frequency when the aircraft is operated within (i) Class B, Class C or Class D airspace,(ii) an MF area ...

#### 605.16 Power-driven Aircraft - Night VFR

(1) No person shall conduct a take-off in a power-driven aircraft for the purpose of night VFR flight, unless it is equipped with

(a) the equipment referred to in paragraphs 605.14(c) to (n); (b) a sensitive altimeter adjustable for barometric pressure; (c) subject to subsection (2), a turn and slip indicator or turn coordinator;

(d) an adequate source of electrical energy for all of the electrical and radio equipment;

(e) in respect of every set of fuses of a particular rating that is installed on the aircraft and accessible to the pilot-in-command during flight, a number of spare fuses that is equal to at least 50 per cent of the total number of installed fuses of that rating; (f) where the aircraft is operated so that an aerodrome is not visible from the aircraft, a stabilized magnetic direction indicator or a gyroscopic direction indicator; (g) where the aircraft is to be operated within the Northern Domestic Airspace, a means of establishing direction that is not dependent on a magnetic source;

(h) where the aircraft is an airship operated within controlled airspace, radar reflectors attached in such a manner as to be capable of a 360-degree reflection; (i) a means of illumination for all of the instruments used to operate the aircraft;

(j) when carrying passengers, a landing light; and (k) position and anti-collision lights that conform to the Aircraft Equipment and Maintenance Standards . (2) Where the aircraft is equipped with a standby attitude indicator that is usable through flight attitudes of 360 degrees of pitch and roll for an aeroplane, or  $\pm 80$  degrees of pitch and  $\pm 120$  degrees of roll for a helicopter, the aircraft may be equipped with a slip-skid indicator in lieu of a turn and slip indicator or turn coordinator.

(3) No person shall operate an aircraft that is equipped with any light that may be mistaken for, or downgrade the conspicuity of, a light in the navigation light system, unless the aircraft is being operated for the purpose of aerial advertising.

(4) In addition to the equipment requirements specified in subsection (1), no person shall operate an aircraft in night VFR flight under Subpart 4 of this Part or Subparts 2 to 5 of Part VII, unless the aircraft is equipped with

(a) an attitude indicator; (b) a vertical speed indicator; (c) a means of preventing malfunction caused by icing for each airspeed indicating system; and (d) an outside air temperature gauge.