

SECTION 4: AIRCRAFT RATING STANDARDS

AEROPLANE CATEGORY

A1 Control aeroplane on the ground

1 Unit description

This unit describes the skills and knowledge required to operate an aeroplane on the ground.

2 Elements and performance criteria

2.1 A1.1 – Start and stop engine

- (a) perform engine start and after start actions;
- (b) perform engine shutdown and after shutdown actions;
- (c) manage engine start and shutdown malfunctions and emergencies;
- (d) considers ground surface in relation to contamination and propeller care during engine start and stop activities.

2.2 A1.2 – Taxi aeroplane

- (a) use aerodrome or landing area charts to taxi aircraft;
- (b) comply with taxiway and other aerodrome markings, right-of-way rules and ATC or marshalling instructions when applicable;
- (c) perform applicable taxi checks, including the following:
 - (i) brakes and steering function normally and take appropriate action in the event of a malfunction;
 - (ii) instruments for correct readings;
 - (iii) altimeter setting;
- (d) maintain safe taxi speed and control of the aircraft;
- (e) maintain safe spacing from other aircraft, obstructions, and persons;
- (f) maintain the aircraft on the taxiway centreline;
- (g) avoid causing a hazard to other aircraft, objects or persons;
- (h) correct handling techniques are applied to take into account wind from all 4 quadrants;
- (i) correctly manage the engine during taxi manoeuvres.

3 Range of variables

- (a) activities are performed in accordance with published procedures;
- (b) single-engine aeroplane with propeller;
- (c) aircraft with undercarriage and flaps;
- (d) windsock located on the aerodrome;
- (e) sufficient wind that requires control adjustment (may be simulated);
- (f) hazardous weather (may be simulated);
- (g) day VFR conditions;
- (h) local area operational limitations such as noise abatement and aerodrome curfews (may be simulated).

4 Underpinning knowledge of the following:

- (a) typical single-engine aeroplane aircraft systems;
- (b) differences between normally aspirated and fuel-injected systems;
- (c) carburettor icing;