

SECTION 2.5 LOW-LEVEL RATING

Unit 2.5.1 LLLR: Low-level rating – all aircraft categories

1. Reserved

2. Flight rules

2.1 Legislation

- 2.1.1 Explain the privileges and limitations of a low-level rating.
- 2.1.2 Recall the provisions of 157 of CAR 1988.
- 2.1.3 State the requirements for the conduct of flights below 500 ft AGL, including pilot responsibilities.

3. Operational planning

3.1 Pre-flight and after-flight inspection

- 3.1.1 Describe the areas of the aircraft that should be inspected to ensure the safety of low-level operations.
- 3.1.2 Describe inspection and flight preparation of aircraft exposed to outside parking and harsh environmental conditions (for example, wing and control surfaces exposed to freezing conditions, engine, battery care, etc.).

3.2 Operational inspections

- 3.2.1 Explain operating area inspection methods and purpose.
- 3.2.2 Explain limitations of ground inspections.
- 3.2.3 Explain the low-flying restrictions, planning notice, precautions and procedures with respect to overflying or in close proximity to buildings during aerial application operations, including stating the required safety distances and minimum height from buildings.

4. Operations on, or in vicinity of, non-controlled and controlled aerodromes or airstrips

- 4.1.1 State restrictions and conditions on low-level operations at aerodromes with movements of regular public transport aircraft.
- 4.1.2 Explain the circuit requirements at various types of aerodromes and ALA, including conditions applying to exemption from compliance with CASA published procedures.

4.2 Aerial inspection

- 4.2.1 Explain the method and purpose (i.e. how and what are you looking for?).
- 4.2.2 Describe how to locate and plan for the management of obstructions and ground undulations from the air.

4.3 Weather

- 4.3.1 Describe the effects of inversion on low-level operations.
- 4.3.2 Describe indicators of mechanical and thermal turbulence and shifting wind and explain implications for low-level operations.
- 4.3.3 Describe winds affecting low-level flying and associated flying conditions.
- 4.3.4 Describe the effect of mountainous influence on airflow and associated flying conditions.
- 4.3.5 Describe weather phenomena hazardous to low-level operations.
- 4.3.6 Recall the terrain and weather conditions that may lead to disorientation during low-level flight (for example, flight into rising ground and toward low ground, false horizons, ridgeline and valley effects) and explain pilot corrective action.