

## SECTION R AERIAL APPLICATION RATING

### Appendix R.1 Aerial application rating and aerial application endorsement flight test

#### 1. Flight test requirements

An applicant for an aerial application rating flight test must demonstrate the following:

- (a) knowledge of the topics listed in clause 2, which are relevant to the endorsements that are being assessed during the test;
- (b) ability to conduct the activities and manoeuvres mentioned in clause 3, within the operational scope and under the conditions mentioned in clause 4, to the competency standards required under section 12 of this MOS, which are relevant to the endorsements that are being assessed during the test.

#### 2. Knowledge requirements

For paragraph 1 (a), the topics are the following topics:

- (a) privileges and limitations of an aerial application rating and the aerial application endorsement included in the test;
- (b) proficiency check requirements;
- (c) limitations of GNSS;
- (d) wind effect at low level and associated flying conditions;
- (e) analysis of actual and forecast weather relevant to application operations;
- (f) the effect of mountainous terrain on airflow and associated flying conditions;
- (g) assessment of the geographical characteristics of the area of flying operations to ensure safe completion of the task;
- (h) the hazards associated with low flying and how to identify them prior to and during a low-level operation;
- (i) the effects of extreme environmental conditions on pilot health and performance;
- (j) the effects of fatigue and physical health on pilot performance;
- (k) risk assessment techniques;
- (l) managing risks at low level;
- (m) aircraft performance, including where appropriate for the category of the aircraft used for the test:
  - (i) maximum rate turning;
  - (ii) minimum radius turning;
  - (iii) best angle of climb;
  - (iv) best rate of climb;
  - (v) 1 engine inoperative performance and helicopter manoeuvring (if applicable).

#### 3. Activities and manoeuvres

*Note* For paragraph 1 (b), the flight test includes all of the following activities and manoeuvres. The sequence set out here is not necessarily intended to direct the order of activities and manoeuvres.

##### 3.1 Pre-flight

*Note* The relevant competency standards are in unit codes AA1 and AA2.

- (a) plan an application operation;
- (b) identify hazards and manage risks;
- (c) ensure the performance capability of the aircraft being used is adequate for the operation;
- (d) consult with and brief stakeholders;
- (e) perform pre-flight actions and procedures.

##### 3.2 Ground operations, take-off, departure and climb

*Note* The relevant competency standards are in unit codes LL-A or LL-H (as applicable).

- (a) complete all relevant checks and procedures;
- (b) plan, brief and conduct take-off and departure procedures.