



# Aerial application rating flight test

## Flight test report Aeroplane/Helicopter

CASR 61.1115 (1) (c), 61.1140 (2) (c), Part 61 MOS Sched 5 App R.1

### Applicant

#### 1 What are the **applicant** details?

If your address, contact or other details have changed, you must update them using [changing your details](#).

Full name

ARN

Contact number

Email address

What is the purpose of test?

Initial issue

Add endorsement

Which endorsement are you issuing/adding (select all that apply)?

AA A

AA H

Fire A

Fire H

NGT A

NGT H

### Flight test report

What are the appropriate entries for the flight test assessment?

**S** Items completed **Satisfactory**

**X** Items completed **Unsatisfactory**

**TR** **Training records**

**N** Items **not tested**

Refer to the Flight Examiner Handbook for Requirements and Recommendations

### 2 Ground component knowledge requirements

Refer to MOS Sched 5, Appendix R.1

Privileges and limitations of the rating and each endorsement assessed .....

Proficiency check requirements .....

The limitations of GNSS .....

Wind effect at low level and associated flying conditions .....

Analysis of actual and forecast weather relevant to application operations .....

The effect of mountainous terrain on airflow and associated flying conditions .....

Assessment of the geographical characteristics of the area of flying operations to ensure safe completion of the task .....

The hazards associated with low flying and how to identify them prior to and during a low-level operation .....

Effects of extreme environmental conditions on pilot health and performance .....

Effects of fatigue and physical health on pilot performance ..

Risk assessment techniques .....

Managing risks at low level .....

Aircraft performance, including max rate and min radius turning, Vx, Vy, OEI and helicopter manoeuvring (as applicable) .....

## 3 Flight component

### 3.1 Pre-flight

Refer to MOS Sched 2: Units AA1 and AA2

- Plan an aerial application operation to ensure a safe outcome.....
- Identify hazards and manage risks.....
- Ensure aircraft performance capability.....
- Consult and brief stakeholders.....
- Perform pre-flight actions and procedures.....

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

Refer to MOS Sched 2: Units LL-A or LL-H (as applicable)

- Complete all relevant checks and procedures.....
- Plan, brief and conduct take-off and departure procedures.....

### 3.3 En route cruise

Refer to MOS Sched 2: Units LL-A or LL-H (as applicable)

- Conduct appropriate checks and procedures before descending below 500ft AGL.....

### 3.4 Test specific activities and manoeuvres

Refer to MOS Sched 2: Units AA1 – AA6 and LL-A or LL-H (as applicable)

#### 3.4 (a) For day aerial application endorsement (all categories) and at low-level

- Perform straight flight, steep turns and procedure turns.....
- Navigate at low level.....
- Manage wind effects, sloping terrain, false horizons and sun glare.....
- Demonstrate use of escape routes.....
- Recover from high energy and low energy unusual attitudes.....
- Perform forced landing - SE only.....
- Manage engine failure - ME only.....
- Fly to, assess, land and take-off from an operational airstrip or HLS.....
- Fly between operational airstrip or HLS and application area.....
- Conduct an aerial survey of a treatment area.....
- Conduct operations over and under power lines.....
- Apply substances.....
- Operate aircraft safely and effectively using GNSS swath guidance equipment.....
- Operate at low level in hilly terrain.....
- Jettison load.....

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## 3 Continued flight component

### 3.4 (b) For aeroplane aerial application endorsement

- Conduct steep, max rate and min radius turns.....
- Recognise and avoid the stall and recover from a simulated low altitude stall.....
- Recover from incipient spin – SE only.....
- Conduct operations at a certified or registered aerodrome.....
- Manage abnormal and emergency situations during low-level operations.....

### 3.4 (c) For helicopter aerial application endorsement

- At low level conduct flight at various speeds and configurations.....
- At low level perform quick stop manoeuvres into wind and downwind.....
- Manage helicopter risks during application operations.....

### 3.4 (d) For firefighting endorsement (all categories)

- Apply human factors.....
- Conduct pre-flight actions.....
- Demonstrate understanding of fire agency procedures, fire traffic management and other aircraft separation requirements.....
- Perform planning and risk management.....
- Fly to, assess, land and take-off from an operational airstrip or HLS or pick up point.....
- Fly between operational airstrip or HLS and drop zone.....
- Conduct an aerial survey of a fire area.....
- Apply substances.....
- Operate aircraft at maximum permissible weights for fire operations.....
- Operate at low-level in hilly terrain.....
- Operate in high winds, high density altitude and high turbulence.....
- Conduct low-visibility operations.....
- Manage abnormal or emergency situations during operations on a fire ground.....
- Jettison load.....

### 3 Continued flight component

#### 3.4 (e) For helicopter firefighting endorsement

Replenish helicopter load with snorkel or bucket .....

Manage known helicopter risks during firefighting operations .....

#### 3.4 (f) For night aerial application endorsement

Complete aircraft and equipment serviceability check .....

Conduct a risk assessment .....

Conduct pre-flight actions .....

Determine whether an airstrip or HLS is suitable for night operations .....

Take-off and land at night at an airstrip or HLS remote from ground lighting .....

Conduct safe transit from airstrip to treatment area .....

Operate work lights to illuminate treatment area .....

#### 3.5 Descent and arrival

Refer to MOS Sched 2: Units LL-A or LL-H (as applicable)

Plan and conduct arrival and circuit joining procedures .....

#### 3.6 Circuit, approach and landing

Refer to MOS Sched 2: Units LL-A or LL-H (as applicable)

Conduct low level circuit, approach and landing (day only) ..

Perform after-landing actions and procedures .....

#### 3.7 Shut down and post-flight

Refer to MOS Sched 2: Units LL-A or LL-H (as applicable)

Park, shut down, secure aircraft and complete post-flight administration .....

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### 3 Continued flight component

#### 3.8 General requirements

Refer to MOS Sched 2: Units LL-A or LL-H (as applicable), NTS1 and NTS2

Maintain effective lookout .....

Maintain situational awareness .....

Assess situations and make decisions .....

Set priorities and manage tasks .....

Maintain effective communications and interpersonal relationships .....

Recognise and manage threats .....

Recognise and manage errors .....

Recognise and manage undesired aircraft state .....

Use correct radio procedures .....

Manage relevant aircraft systems .....

Manage fuel system and monitor fuel plan and usage .....

#### 4 What are the details of the flight test?

Test number

Result

Pass

Fail

Ground time

Flight time

Location/route flown

Aircraft type

Aircraft registration (VH-)

Date of flight test (DD/MM/YYYY)

/ /

## 4 Continued

Examiner comments



Attach additional pages if required

### Applicant declaration

5 I declare that:

- All statements in this authority are true and correct in every particular and that I have read and understood all provisions of the Civil Aviation Safety Regulations 1998 which are relevant to this authority.
- I understand CASA will use the currently held details to process this authority and it is my responsibility to ensure my details are correct prior to lodgement.
- I consent to CASA using and disclosing my personal information in accordance with [CASA Privacy Policy](#) including exchanging the information with Commonwealth, State and Territory government agencies.
- I accept that if this authorisation is withdrawn or refused by CASA, or if CASA are unable to assess the authorisation because I have failed to provide the required information, I am liable to pay CASA fees for work conducted.
- I acknowledge that to knowingly make a false or misleading statement in this authority is an offence against the [Criminal Code Act 1995 \(Cth\)](#).

Applicant full name

Applicant signature

Date (DD/MM/YYYY)

/ /

Applicant  
ARN

### Examiner declaration

6 I declare that:

- I am authorised to make this authority and hold the role indicated below.
- All statements in this authority are true and correct in every particular and that I have read and understood all provisions of the Civil Aviation Safety Regulations 1998 which are relevant to this authority
- I understand CASA will use the currently held details to process this authority and it is my responsibility to ensure my details are correct prior to lodgement.
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Examiner full name

Examiner ARN

Examiner signature

Date (DD/MM/YYYY)

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### Returning your form



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