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Purpose of this form

Use this form to report the results of the Balloon >120K Endorsement flight test.

Who is this form for?

This form is for the Examiner officer to submit after the successful completion of the flight test.

Information needed to complete this form

You will need to provide to CASA:

- This Flight Test Report
- Form BF-002

The Examiner must retain a copy of this report as per CASA Recreational Balloon Procedure Manual 2.6.4.

Please ensure your application and the checklist are completed correctly and that all required supporting documentation is provided. Incomplete applications will not be accepted and may be returned to you for amendment.

Aviation Reference Number (ARN)

An ARN is required to complete this form. If you do not have an ARN, [apply now](#).

Contact details

It is important the contact details on the ARN profile are current. CASA uses these contact details when processing this application.

If your address, contact or other details have changed, you must update them prior to lodging this form. You can do this by [changing your details](#) on the CASA website.

Failure to provide up to date contact details to CASA could result in additional fees being charged under the *Civil Aviation (Fees) Regulations 1995* and may constitute a criminal offence.

For more information

Go to the [CASA website](#) or [contact us](#).

Applicant

1 What are the **applicant** details?

Your contact details must be current. Update contact details via [changing your details](#).

Full name

ARN

Phone number

Email address

Flight Examiner details

2 What are the **Flight Examiner** details?

Your contact details must be current. Update contact details via [changing your details](#).

Full name

ARN

Phone number

Email address

3 What are the details of the flight test?

Result

Pass

Fail

Ground time

Flight time

3 Continued

Location/route flown

Balloon model and volume

Aircraft registration (VH-)

Date of flight test (DD/MM/YYYY)

/ /

Examiner comments



Provide additional pages if required

Flight test report

4 The flight test report must be completed in the following manner:

S Items completed **Satisfactory**

X Items completed **Unsatisfactory**

TR **Training records**

N Items **not tested**

Flight Test Report instructions

The testing officer is to complete the flight test report and retain a copy of the report and send a copy with BF-002 to the Civil Aviation Safety Authority.

For items marked with an asterisk, training record evidence and oral questioning can be used in the absence of demonstrating the item. In this case the examiner must indicate observation of the item by marking the item with "TR".

1. Documentation

1.1 Signed recommendation from an instructor

1.2 Completed Training Record.....

1.3 Check personal pilot logbook for minimum hours of 200 PIC or more.....

1.4 Balloon logbook

2. Equipment

2.1 Airworthy balloon.....

2.2 Retrieve vehicle.. ..

2.3 Maps with any SZs marked, VTC and ERC as appropriate.....

2.4 Balloon load chart.....

2.5 Personal equipment, compass, strikers, tools, timepiece.

3. Personnel

3.1.Sufficient crew for launch and retrieve - ensure sufficient crew for size of balloon

4. Preparation for Flight

4.1 Explain MET forecast/prevaling weather conditions.....

4.2 Select a launch site (obtain permission)

4.3 Load calculation - including check of knowledge of reasons for minimum load requirements.....

4.4 Carry out flight planning, noting navigational and airspace features on the probable path.....

4 continued

4.5.Passenger briefing, including:.....

- Passenger loading [to comply with Part 131 MOS 25.05(2)]

- Passenger location [to comply with Part 131 MOS 25.04, MOS 25.05(1)]

- Pre-flight briefing

- Pre-landing briefing

4.6 Crew briefing

5. Familiarisation

5.1 Unload balloon

5.2 Rig the burner, basket and fuel system

5.3 Carry out leak and burner test

5.4 Rig the envelope from the unriggered state

5.5 Check all other required equipment

5.6 Knowledge of vent systems operations (i.e. lite vent if fitted)

Only if stages 1 to 5 are completed satisfactorily will the test continue.

6. Inflation

6.1 Inflate safely and in a controlled manner

6.2 Operate the burner safely and competently

6.3 Give correct audible and precise instructions to crew

7. Take off

7.1 Carry out pre-take off checks.....

7.2 Assess wind and distance to downwind obstacles - assess understanding of physical size and clearances - make a go/no go decision.. ..

8. Straight and level flight

8.1 Climb to a requested height (1 000 - 2 000 ft AGL)

8.2 Maintain controlled level flight for a minimum of 5 minutes.....

9. Climbing/descending

9.1 Know the maximum climb/descent rate for balloon

9.2 Know maximum envelope temperature for balloon

9.3 Demonstrate climb/descent at rates requested by examiner.

9.4 Climbing/descending - assess understanding of accelerations due to increased mass and momentum.....

4 continued

10. Navigation

- 10.1 Keep track of position on map.....
- 10.2 Identify features.....
- 10.3 Assess wind speed and direction.....

11. Emergencies

- 11.1 Make a fast ascent/descent for a simulated emergency..
- 11.2 Carry out pilot light failure drill (actually or verbally or on the ground).....
- 11.3 Describe the actions to be taken in the event of a fire in the air/on the ground.....
- 11.4 Describe the actions to be taken in the event of a propane leak in the air/on the ground

12. Fuel Management

- 12.1 Explain burner system and cylinder arrangement
- 12.2 During flight indicate fuel state, usage, requirements and carry out hose transfer as required
- 12.3 Explain/demonstrate refuelling of flight cylinders and the necessary safety measures
- 12.4 Burner – understand and use of multiple burners, cross flow valves, manifolded and non-manifolded fuel systems.....
- 12.5 Fuel Management - fuel burn rate endurance.....

13. Approach & overshoot (2 or more times demonstrating good control)

- 13.1 Explain choice of field for approach
- 13.2 Perform pre-landing checks (must mention power lines).....
- 13.3 Perform descent from high/low level for a landing approach without undue delay.....
- 13.4 Show positive control in low level flight (50 ft or less) ..
- 13.5 Carry out an overshoot and climb out safely.....
- 13.6 Basket orientation - use of rotation vents, divided basket and passenger control.....

14. Landing

- 14.1 Explain choice of field for approach
- 14.2 Perform pre-landing checks (must mention power lines).....

4 continued

- 14.3 Make a controlled descent for the landing approach - including assess understanding of physical size and clearances.....

- 14.4 Control the balloon during final approach to give low vertical speed on touchdown.....

- 14.5 Basket orientation - use of rotation vents, divided basket and passenger control.....

15. Action and flight

- 15.1 Ensure burner and fuel system is made safe and all the instruments are turned off.....

- 15.2 *Pack envelope and de-rig burner/basket

16. Landowner relations

- 16.1 *Conduct the launch and retrieve in accordance with maintaining good landowner relations

17. Airmanship

- 17.1 Show proper care for well-being of passenger during the flight.....

- 17.2 Demonstrate regard for animals, crop, property and people on the ground during the entire flight.....

- 17.3 Position the balloon at appropriate heights/altitudes in relation to hazards, persons, major roads, towns, SZs and airspace.....

- 17.4 Maintain an adequate lookout and awareness of changing weather conditions.....

5 I declare:

- All statements in this flight test report are true and correct.

I acknowledge by providing my details below and submitting this flight test report:

- I may commit an offence under the *Criminal Code Act 1995* if I make a false or misleading statement in my flight test report.
- We may also use your licensing information in deidentified form for aviation safety research/analysis.

Privacy

Any personal information you provide to CASA, as part of this flight test report, is protected by the *Privacy Act 1988*.

We will use the information provided to process this flight test report and may also use it to conduct identity/security checks. Without your consent, we may not be able to process your flight test report.

To meet our accountability obligations, we may disclose this information:

- to other government agencies or other national aviation authorities for certain purposes, and
- to comply with court orders and other legal requirements.

For more information about how we use, disclose and protect your personal information, see our [privacy statement](#) and [privacy policy](#).

- I declare and acknowledge the above matters.
- I consent to CASA using my licensing information and other personal information for the above purposes.
- I have read CASA's privacy policy and I authorise CASA to use and disclose the information it collects for this flight test report in accordance with that policy.

Examiner full name

Examiner Signature

Date (DD/MM/YYYY)

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Submitting this form to CASA

Choose one option only



By email – send this form with **BF-002** and any supporting documents attached to applications@casa.gov.au



By post – return this form and all supporting documents to:

CASA Client Services Centre
GPO Box 2005
Canberra ACT 2601