



CHECKLIST

Certificate of Airworthiness Checklist 01B

Control Document – Manned free balloons only

Note: For Light Sport Aircraft (Balloons), refer to Checklist 01D
For Experimental (Balloons), refer to Checklist 01E

Instructions

1. Use this checklist for the assessment of an aircraft for a Certificate of Airworthiness (CofA).
2. Check the box relevant to the assessment outcome. **Y – Yes, N – No, N/A – Not applicable.**

1. Aircraft identification

Registration mark	Manufacturer / Manufacturer's designation of aircraft	Aircraft serial number

2. Aircraft certificate of registration holder/registered operator

Aircraft certificate of registration holder or registered operator details	
Legal entity/Full name	
ARN	

3. Aircraft origin and details

Details of the aircraft origin and total times in service			
New	Used	First of type	First of model
Imported from (country)			N/A
Date of aircraft manufacture		Total hours / flights	Hrs Flts
Date of aircraft registration		Certified MTOW	Kgs

4. Export certificate of airworthiness (if applicable)

Details of the export certificate of airworthiness			
Export CofA number	N/A		Issued by (NAA)
Date of issue		Location/Country	
Details of an alternative to export CofA (including statement of compliance)			
Number	N/A		Issued by (NAA/OEM)
Date of issue		Location/Country	

5. Previous aircraft registrations and operators

List previous aircraft registration marks and balloon owners / operators (e.g. past 10 years)

No.	Registration	Aircraft owners / operators
1.		
2.		
3.		
4.		
5.		
6.		

Note: If necessary, add pages marking '[current page] of [total pages]'.

6. Past operational history (if relevant)

List all previous special operational roles or unique areas of operation, including duration of special operation

No.	Special operational roles or unique areas of operation	Duration
1.		yrs
2.		yrs
3.		yrs
4.		yrs
5.		yrs
6.		yrs

Note: If necessary, add pages marking '[current page] of [total pages]'.

7. Aircraft certification basis – CASR Part 21.021

Details of the certification basis for the aircraft type design		
CASR Part (e.g. CASR Part 23) (enter below)	Foreign (recognised country) CASR Part 21.29A (enter below)	Issued by other country CASR Part 21.29 (specify)
CASA Type Certificate (TC)	CASA Type Acceptance Certificate (TAC)	Statement of Compliance
CASA TC number (enter below)	CASA TAC number (enter below)	Other (specify)

8. Envelope information

Balloon envelope details					
Make		DOM		TBO	
Type		TSN		TSO	
Date of last overhaul (or N/A if new)			Serial number		
		N/A			

9. Basket information

Balloon basket details					
Make		DOM		TBO	
Type		TSN		TSO	
Date of last overhaul (or N/A if new)			Serial number		
		N/A			

10. Load frame information

Balloon load frame details					
Make		DOM		TBO	
Type		TSN		TSO	
Date of last service (or N/A if new)			Serial number		
		N/A			

11. Heater assembly (burner) information

Balloon burner details*					
Burner make		Model		TBO	
Unit No.	Serial number	TSN	TSO	Date of last service	or N/A if new
1.					N/A
2.					N/A
3.					N/A
4.					N/A

*If the balloon has additional burner units fitted (e.g. multi-burner units), add the additional burner details in Section 21 of this form.

12. Heater assembly (burner) flexible hose(s) information

Burner unit flexible hose assembly details*					
Hose number 1					
Part No.		S/No.		TSN	
DOM		Latest retest		Service limit date	
Hose number 2					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service limit date	
Hose number 3					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service limit date	
Hose number 4					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service limit date	

* If the balloon has additional hoses fitted, add the additional hose details in Section 21 of this form.

Note: Ensure all hose assemblies are clearly and permanently marked with the maximum working pressure, month and year of manufacture, name or identification of the manufacturer in accordance with CASA AD/BAL/4.

13. Gas cylinder information

Installed gas cylinder equipment details (e.g. LPG, propane)					
Cylinder number 1					
Part No.		S/No.		TSN	
DOM		Latest retest		Service life limit date*	
Cylinder number 2					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service life limit date*	
Cylinder number 3					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service life limit date*	
Cylinder number 4					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service life limit date*	
Cylinder number 5					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service life limit date*	
Cylinder number 6					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service life limit date*	
Cylinder number 7					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service life limit date*	
Cylinder number 8					N/A
Part No.		S/No.		TSN	
DOM		Latest retest		Service life limit date*	

* Service limit date corresponds to Requirement 2 of CASA AD/BAL/3, for the ultimate retirement life limit of the gas cylinder.

14. Instrument pack information

Balloon instrument pack details				
Manufacturer		DOM		UKN
Servicing interval		TSN		N/A
Type		TSO		N/A
Date of last servicing* (or N/A if new)		Serial number		
		N/A		
Alternatively, list all individual instruments fitted to the balloon				
No.	Equipment type and part number	Serial number	Date of last calibration*	
1.				N/A
2.				N/A
3.				N/A
4.				N/A
5.				N/A
6.				N/A

* If the balloon does not have an approved system of maintenance, as per CASA AD/BAL/8, all balloon instruments must be calibrated every 3 years in accordance with manufacturer's instructions/ specifications.

15. Aircraft major repairs (balloon envelope and basket)

Provide details of all major repairs to the aircraft (e.g. Part 21 EO) and identify if there are any ongoing repeat inspections.

Name of separate report listing all aircraft major repairs (or list below)		
Report name:		N/A
Listing the aircraft major repairs		
Details of major repair	Approved by (e.g. NAA / Part 21)	Rep insp
		Y
		Y
		Y
		Y
		Y
		Y

Listing the aircraft major repairs

		Y
		Y
		Y
		Y
		Y
		Y

Note: If necessary, add pages marking '[current page] of [total pages]'.

16. Modification history

Provide details of all modifications to the aircraft and identify if there are any ongoing repeat inspections and AFM supplement procedure.

Name of separate report listing all aircraft modifications (or list below)

Report name:		N/A
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List the existing aircraft modifications

Mod / STC / EO Reference No.	Description and details of modification	Approval status	AFM supp	Rep insp
			Y	Y
			Y	Y
			Y	Y
			Y	Y
			Y	Y
			Y	Y
			Y	Y
			Y	Y
			Y	Y
			Y	Y
			Y	Y
			Y	Y

Note: If necessary, add pages marking '[current page] of [total pages]'.

17. Maintenance activity for certificate of airworthiness preparation

Details of the maintenance facility			
	Certificate of Approval (CAR 30)		Maintenance Organisation (CASR 145)
Company name		Approval No.	
Location			

18. Applicable Airworthiness Directives – Aircraft

Select the Airworthiness Directives (ADs) that apply

Applies	Airworthiness Directive Aircraft			Y	N	N/A
	Aircraft general					
	Aircraft - Lighter than air – Type and model specific					
	Type		Model			

19. Applicable Airworthiness Directives – Equipment

Select the Airworthiness Directives (ADs) that apply

Applies	Airworthiness Directive Equipment			Y	N	N/A
	Equipment					

20. Consolidated checklist

No.	Items	Complies		
		Y	N	N/A
1.	Aircraft file raised (CASA only)			
	DMNS job raised (EDAP only)			
2.	Application signed by registration certificate holder/approved agent (Note: For an approved agent, authorisation is attached)			
3.	Envelope manufacturer's data plate reflects all documents (Ref: CASR 21.820)			
	Location on envelope: (Note: add photo of the data plate with the CofA pack)			
4.	Basket manufacturer's data plate reflects all documents (Ref: CASR 21.825)			
	Location on basket: (Note: add photo of the data plate with the CofA pack)			
5.	Heater assembly (e.g. burner) manufacturer's data plate reflects all documents (Ref: CASR 21.830)			
	Location on burner: (Note: add photo of the data plate with the CofA pack)			

No.	Items	Complies		
		Y	N	N/A
6.	Fire-proof registration plate affixed (Refer CASR 45.120) Note: Ensure any other country registration plates are removed	Location on balloon: (Note: add photo of the rego plate with the CofA pack)		
7.	Aircraft operational history validated, including any ongoing continuing airworthiness requirements			
8.	Aircraft maintenance records reviewed and validated, confirming the aircraft has been maintained as per the instructions for continuing airworthiness (ICA) and the aircraft and any major components are compliant with life-limit requirements as per the aircraft TCDS, AMM and equipment OEM data			
9.	Review all repairs and modifications to the aircraft and confirm the approved data that has been used for each repair or modification, complies with CASR Part 21.M and is correctly recorded in the aircraft maintenance records			
10.	Applicable CASA and State of Design ADs have been carried out, recorded and certified in the aircraft maintenance records (Refer the additional CASA CofA checklist for specific AD compliance)			
11.	Aircraft has been assessed against the CASR Part 90 requirements (Refer the additional CASA CofA checklist for CASR Part 90 compliance)			
12.	Maintenance schedule nomination via the Logbook Statement (LBS), or an approved system of maintenance (SoM) available			
13.	Aircraft registration markings correctly applied (per CASR Part 45)			
14.	Evidence of a factory test inflation of the envelope has been conducted			
15.	If the answer is No to item 14 (above) - conduct a test inflation of the envelope and record the outcome of the test in the maintenance records			
16.	AFM / POH reviewed and verified current and correct for the balloon, including all relevant supplements and annexes (including STC supplements) (Confirm stowage location in the basket and correct placarding)			
17.	Aircraft weighing summary received or validation confirmed			
18.	Load data sheet (LDS) issued and incorporated into the AFM / POH			
19.	All internal and external markings, decals and placards are installed in their correct location as per the relevant information contained in the AFM / POH, approved maintenance data for the aircraft and relevant CASA legislation (Note: provide photos of all applicable markings, placards and decals with the CofA pack)			
20.	All mandatory equipment fitted to the balloon including emergency and survival equipment (e.g. fire extinguisher, fire blanket, first aid kit, life jackets etc), navigation and communication equipment, all comply with the relevant CASR operational legislation and relevant airworthiness standards as specified in the legislation			
21.	If carried, the balloon unique identifier 'Mode S' address has been uploaded to the aircraft transponder and (if applicable) the 406 MHz ELT unit (Refer: CASA AWB 34-015, section 4)			

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No.	Items	Complies		
		Y	N	N/A
22.	Gas cylinder quantity gauge(s) fitted			
23.	Gas cylinder quick shutoff valve(s) (QSOV) fitted			
24.	Gas cylinder valve operation placards fitted and legible			
25.	Flexible gas supply lines are secure			
26.	Instrument pack fitted - mounting of unit is secure			
27.	Electronic flight bag (EFB) fitted - mounting of unit is secure			
28.	Envelope temperature indicator fitted and legible			
29.	Number of handholds confirmed			
30.	Confirm handholds will not injure occupants			
31.	Basket drain holes are adequate (and not obstructed)			
32.	Basket and equipment is made (primarily) from non-magnetic materials			
33.	Envelope vent control lines (system) fitted			
34.	Balloon control lines fitted			
35.	Crown lines fitted			
36.	Handling (drop) line fitted and adequately secured to basket			
37.	Pilot restraint harness available			
38.	Any exemptions or AMOC's have been approved (provide details in Section 21)			
39.	Aircraft conforms with the relevant design standards (Refer: CASA TC or TAC and associated TCDS)			

21. Further remarks, comments or additional balloon details

No.	Additional relevant information associated with the balloon
1.	
2.	
3.	
4.	
5.	
6.	

No.	Additional relevant information associated with the balloon
7.	
8.	
9.	
10.	
11.	
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20.	

Note: If necessary, add pages marking '[current page] of [total pages]'.

22. Certificate of Airworthiness assessment completion

Certificate issuance			
Date of issue		Location	

23. CASA Delegate or Authorised Person

Authorisation

CASA Delegate	Authorised Person	Name	
Instrument of Appointment No.		ARN	
Signature		Date	

Send **within 7 days**, a copy of all documents and checklists used in the application, assessment, issue, approval or authorisation to the Civil Aircraft Register via email: aircraftregistration@casa.gov.au; or uploading to the CASA Aircraft Registrar sharefile account; or by regular mail: 'Civil Aircraft Register' GPO Box 2005 Canberra ACT 2601.