| This section for CAA use | Paviawad | Entorod | Aircraft ID | |
|--------------------------|----------|---------|-------------|--|
| only | Reviewed | Entered | AllGlalt ID | |

Review of Airworthiness

Check List Report - Hot Air Balloon



| Operator: | | | Principal Maintainer: | | |
|-----------------|------------------------|--------------------------|-----------------------|-----------------------|--|
| Job No: | | Date review carried out: | | Reg. mark: ZK- | |
| Facility and Lo | ocation where review w | as carried out: | | | |

Notes for use: Refer to the notes on page 7 for further instructions on completing this report form.

Sections 1 through 10 are mandatory. Sections 11 to 14 are optional.

Where an item is satisfactory enter tick (\checkmark) or **Y** into tick column, if not applicable, state N/A in the tick column.

Where an item is a **defect** enter the defect number from Section 9 in the tick column.

All defects listed in Section 9 will require maintenance action prior to further flight in accordance with the requirements of rule 91.603(a)(4).

| 1. Balloon | Particulars | | | | | | | | |
|---------------------------|------------------|---------|-----------|----------------------|---------------|-----------|----------------|--------|----------|
| | Envelop | 9 | | Basket | | l | Burner(s) | | |
| Manufacturer: | | | | | | | | | |
| Model Part No: | | | | | | | | | |
| Serial No: | | | | | | | | | |
| TCDS No: (AC21-1 App2) | | | | | | | | | |
| TTIS: | | | | | | | | | |
| TSO: | | | | | | | | | |
| Fuel Cylinders | Make: | Part | No: | Serial No: | Date of Mai | n. Hyd | roStat. due: | F | PRV due: |
| 1. | | | | | | | | | |
| 2. | | | | | | | | | |
| 3. | | | | | | | | | |
| 4. | | | | | | | | | |
| 5. | | | | | | | | | |
| 6. | | | | | | | | | |
| 7. | | | | | | | | | |
| 8. | | | | | | | | | |
| 9. | | | | | | | | | |
| Total hours fro | m Technical Log | | | | | Is there | e an hours dis | screpa | incy? |
| Maintena | nce Programme: | | | | | | | | |
| Co | mplete Balloon c | onforms | to Type (| Certificate Data Sho | eets and acce | ptable de | esign change | es - | Yes? |

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| 2. Docum | nents Carried in Ba | alloon | | | | | | |
|--------------------------------|---|---------------------|-----------|-------------------|-----------------|-------------------|---------------|--|
| Airworthiness Certificate | Category(s) | | | | Expiry date: | | | |
| Manufacturers Flight Manual | Doc: | | | | Rev: | | Current? | |
| CAA Flight Manual | AIR: | | | | A/L: | | Current? | |
| | Applicable supplements in Flight Manual - log of supplements & amendment record sheet curre | | | | | | | |
| Technical Log | Issue No: | | | | | | | |
| | All maintenance, i Technical Log app | | | | nent/MEL items, | recorded on curre | ent | |
| 91.619 | Technical Log co | ntains all required | d curre | nt information? | | | | |
| CAA 2173 Weight & | Issue date: | | Dat | e last weighed: | | Current p | per logbook? | |
| Balance | Within lim | its and accurate | | | | Matches aire | craft logbook | |
| Certificate of Registration | Must be carried o | n NZ registered a | ircraft (| operating outside | e of NZ. | | Carried? | |

| 3. Mainte | enance Logbooks | | | | |
|---|------------------------------|--|--|--|--|
| If not using CAA identify which log being used: | | | | | |
| 3.1 Aircraft Logbook (CAA 2101) Leading particulars recorded correctly? | | | | | |
| 91.605(g)(1) | Operator | Current operator and maintenance programme correctly identified? | | | |
| Section 1 91.605(a) | Scheduled Maintenance Record | All due maintenance performed at intervals specified? | | | |
| Section 2 | Service Record | All maintenance due identified? | | | |
| | | Any ICAs for modifications included in programme? | | | |
| | | Escalation requirements being met? | | | |
| Section 3 | Maintenance Record | Accurate, correctly recorded and completed? | | | |
| 43.69 | | Transferred from Technical Log? | | | |
| 43.105 | Release-to-Service | All correctly completed, recorded and certified? | | | |
| 43.113 | Duplicate Inspections | All carried out when required, recorded and certified? | | | |
| 43.103(a)(4) | Operational Flight Checks | All carried out when required, recorded and certified? | | | |

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| 3.3 Aircr | raft Airworthiness Directives, A | ircraft Modification, (CAA 1464) | | | |
|-----------------------|---|---|--|--|--|
| Section 1 | ADs | All current & applicable to the aircraft. Assessed, recorded & certified? | | | |
| Section 2 | Manufacturers/Vendors' Service Information | All maintenance performed or assessed in response to manufacturer's service information. Appropriately recorded? | | | |
| Section 3 | Modification/ STC Record | All currently installed onto the aircraft and its components. Appropriately recorded & certified? (Refer also Section 5 of this check list) | | | |
| Section 4 | Record Engines/Propellers installed | Current? | | | |
| Section 5 | Repetitive ADs | All current & applicable to the aircraft. Assessed, recorded & certified? | | | |
| Section 6 | Repetitive out of Phase | All applicable checks/inspections carried out, recorded & certified? | | | |
| 91.605(e) | SSR transponder First A Station Weighing | id Kit ☐ Fire Extinguisher(s) ☐ Floatation equipment ☐ Radio | | | |
| | Manufacturer's inspections | Special inspections carried out and recorded? | | | |
| | | Calendar inspections carried out and recorded? | | | |
| | | Ageing aircraft programme requirements carried out and recorded? | | | |
| Section 7 | Record of lifed components installed | All recorded and within limits (including overhaul)? | | | |
| Section 8 | Weight & Balance | Summary correct? (Refer also Section 2 of checklist) | | | |
| 91.605(e)(9) &(10) | Empty weight: | | | | |

| 4. Part 39 – Airworthiness Directive Status (Appropriate for components currently installed) | | | | | | | |
|--|------------------|--|--|--|--|--|--|
| Balloons | DCA/BAL/ 1 thru | | | | | | |
| Aircraft General | DCA/GEN/ 1 thru | | | | | | |
| Emergency Equipment | DCA/EMY/ 1 thru | | | | | | |
| Instruments and Autopilots | DCA/INST/ 1 thru | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Any current AMOCs - list using 4 digit ID number | | | | | | | |

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| 5. STC, N | odification | ns or Repairs recorded | d sin | ce the | last Review (state nil if N | one) | | | |
|---|-------------|--|-------------------------------------|---------------------------------------|---|-----------------------------|----------------------------------|--|-------|
| STC, Modification or Repair Ref. No. | | Des | script | tion | | | Date rporated | Release-to- Service LAME or Authorisation No. | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | fications & | repairs correctly reco | orde | d and d | certified ,with applicable | techn | ical data | iaw Part 21 | |
| App.D stated? | Have ICA | s been included into the | Mai | ntenan | ce Programme & identified | in Loc | abook CA | AA 1464 Section 3? | , |
| | | | | | | | | | |
| 6. Hot Ai | r Balloon l | Physical Inspection | | | | | | | |
| | Satis | | | Satis | | Satis | | | O 11 |
| Envel | _ | | | | | | | | Satis |
| | ope [| Load Tap | pes | | Flying Cables | | Tempi-l | label max ind temp | Satis |
| Paracl | | Load Tap | | | Flying Cables Ripline | | Tempi-l | label max ind temp | Satis |
| Paracl Turning Vo | nute 🗌 | | eys | | | | Tempi-l | | |
| | nute ents | Parachute lines & pullo | eys nes | | Ripline | | Tempi-l | Grab Test | |
| Turning Vo | ents | Parachute lines & pulle | eys nes alve | | Ripline Basket | | | Grab Test Modifications | |
| Turning Vo | nute | Parachute lines & pullo Turning Lin Main Burner Va | eys nes alve ack | | Ripline Basket Whisper Burner Valve Safety Equipment | | | Grab Test Modifications Fuel Lines | |
| Turning Votes Burners and Karabin | nute | Parachute lines & pulle Turning Lin Main Burner Va | eys nes alve ack | □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ | Ripline Basket Whisper Burner Valve Safety Equipment | | Refer r | Grab Test Modifications Fuel Lines remarks over page | |
| Turning Von Burners and Karabin 6.1 General 6.2 Overhal | nute | Parachute lines & pulle Turning Lin Main Burner Va Instrument Pa In Inspection – Balloor | eys nes alve ack n is i | in satis | Ripline Basket Whisper Burner Valve Safety Equipment | acticab | Refer r | Grab Test Modifications Fuel Lines remarks over page | |
| Turning Von Burners and Karabin 6.1 General 6.2 Overhal | nute | Parachute lines & pulle Turning Lin Main Burner Va Instrument Paragram - Balloor ite life components | eys nes alve ack Phy | in satis | Ripline Basket Whisper Burner Valve Safety Equipment factory condition? neck/verification, where prace | acticab | Refer rolle, of Se | Grab Test Modifications Fuel Lines remarks over page | |
| Turning Von Burners and Karabin 6.1 General 6.2 Overhal | nute | Parachute lines & pulle Turning Lin Main Burner Va Instrument Paragram - Balloor ite life components | eys nes alve ack Phy Typ Airc | in satis | Ripline Basket Whisper Burner Valve Safety Equipment factory condition? neck/verification, where pra- fication ID plate fitted per 2 | acticab 21.803 | Refer rolle, of Se | Grab Test Modifications Fuel Lines remarks over page rial No's correct? | |
| Turning Von Burners and Karabin 6.1 General 6.2 Overhal | nute | Parachute lines & pulle Turning Lin Main Burner Va Instrument Paragram - Balloor ite life components | eys nes ack nis i Phy Typ Airc | in satis | Ripline Basket Whisper Burner Valve Safety Equipment factory condition? neck/verification, where pra- fication ID plate fitted per 2 arkings correct per 47.101 a | acticab 21.803 and 47 | Refer rolle, of Se?7.111?47.119? | Grab Test Modifications Fuel Lines remarks over page rial No's correct? | |

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| 7. P | art 91 Subpart F – Instruments and Equipmen | t Requirements | | | |
|-----------|--|---------------------------|----------------|------------------|---------|
| 91.503 | Location of instrument and equipment | | | | |
| 91.507 | Passenger information signs | | | | |
| 91.509 | Minimum instruments and equipment | | | | |
| 91.513 | VFR communication equipment | | | | |
| 91.515 | Communication and navigation equipment – VI | R over water | | | |
| 91.523 | Emergency equipment | | | | |
| 91.525(e) | Flights over water | | | | |
| 91.531 | Oxygen indicators | | | | |
| 91.533 | Supplemental oxygen for non-pressurised aircr | aft | | | |
| 91.541 | SSR transponder and altitude reporting equipm | nent | | | |
| | All requi | red instruments and equip | ment fitted an | d airworthy. Y | es? |
| 8. R | emarks | | | () () | 10 |
| 0. K | emarks | | Extr | a page(s) attacl | ned? |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 9. D | efects Observed (state "nil" if None) | | Extra page | e(s) attached? | |
| No. | De | scription | | | Cleared |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| IA si | ghted rectification maintenance records? | | All defe | ects rectified? | |
| 40 Com | (Davisus agreet he applified with an a | and defects) | | 71/ | |
| | tification (Review cannot be certified with ope | · | | ZK - | - £1 |
| | fy that an (annual)* (biennial)* review of and that the requirements of Civil Aviatio | | | | ап |
| | Name: | Signature: | | | |
| IA/Aut | horisation No: | Certification Date: | | | |
| | ew carried out | Date Review next due: | | | |

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| Send this completed report form to: | | |
|-------------------------------------|------------------------|---------------------|
| CAA, PO Box 3555, Wellington 6140 | Email: ARA@caa.govt.nz | Fax: +64 4 560 9611 |

| 11. IA's | follow up actions (Not mandatory to complete this section, refer Explanatory Notes overleaf) | |
|--------------|--|--|
| 43.153(c) | Uncleared defects recorded in Technical Log and Aircraft Logbook | |
| 43.155(a)(1) | Review certification entered into Aircraft Logbook Note: Useful to include next Review due date with certification | |
| 43.155(a)(3) | Enter due date of next Review in Technical Log | |
| 43.155(a)(4) | Certified checklist report sent to CAA within 7 days of certification | |
| | OR – if Review not certified, sent to CAA within 7 days of the 30 day expiry period | |

| 12. | 12. Part 91 Appendix A – Instrument and Equipment Specifications (Refer Explanatory Notes overleaf) | | | | | | | |
|------|---|--|------|-----------------------|--|--|--|--|
| A.1 | Markings and placards | | A.14 | Emergency equipment | | | | |
| A.9 | Communication and navigation equipment | | A.16 | Oxygen | | | | |
| A.12 | First aid kits | | A.19 | Oxygen equipment | | | | |
| A.13 | Fire extinguishers | | A.22 | Transponder equipment | | | | |

| 13. | Recent maintenance providers | /LAME's (Opt | ional. Refer Explanatory Notes overleaf) | |
|-----|------------------------------|--------------|--|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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Explanatory notes for completing the Balloon Review Checklist Report

General

For all sections:

- enter a tick (<) or Y in the appropriate column to indicate that the aircraft meets the applicable CAR requirements, or
- enter N/A if the requirement is not applicable to the aircraft or operation, or
- enter a defect number and detail the applicable defect in section 9 beside a corresponding defect number.

Section 1

The type certificate data sheet that the aircraft was type accepted into New Zealand under should be referred to. These are listed on AC21-1.2. List the envelope, basket and burner TCDS number and ensure that the aircraft conforms with its type certificate.

Maintenance programme - the balloon must be maintained to either an approved maintenance programme, the manufacturer's programme or an acceptable programme as applicable.

Section 2

Refer to the CAA web site www.caa.govt.nz 'aircraft' page for details of the latest manufacturer's flight manual and current CAA flight manual revision status. Titles of approved modifications and STCs are also provided.

Flight manual supplements – a copy of all supplements applicable to the fitted aircraft equipment must be kept in the flight manual.

Section 3

Alternative maintenance logbooks other than CAA 2101, CAA 2158, CAA 2110 or CAA 1464 may be used. However, any alternative maintenance logbook must be identified in this section and be formally accepted in writing by CAA.

Section 4

Identify the airworthiness directive range for each type of component that has been recorded and certified in CAA 1464.

Section 3 of this form also contains the check that the latest revision of each airworthiness directive has been recorded and certified in the appropriate logbooks.

The IA must check that the airworthiness directive record relates to the actual components fitted. Any airworthiness directives applicable to components replaced since the last Review must have been considered

Section 5

List all modifications/repairs embodied since the last Review and check that any applicable conformity inspections have been carried out by an appropriately authorised person.

Section 6

Optional to complete listed individual physical inspection tick boxes providing 6.1 box competed.

It is recommended that the IA retains a list of sampled overhaul and finite lifed components checked.

Aircraft markings – general exemption 98/EXE/69 applies provided that the aircraft has not been painted, repainted or remarked after 9 January 1998.

Optional to complete listed individual required Instrument and Equipment, tick boxes providing bottom box competed

Beside each item:

- enter a tick (\checkmark) to indicate that the item is present and the condition of the item is satisfactory, or
- enter N/A if the requirement is not applicable to the aircraft or operation, or
- enter a defect number and detail the applicable defect in section 9 beside a corresponding defect number.

Section 8

List any appropriate remarks in this section, other than defects observed.

Section 9

All defects listed in this section will require clearing maintenance action prior to further flight in accordance with the requirements of Part 91.603.

The IA must sight satisfactory certified maintenance entries for all defects prior to certifying the Review .

Section 11

This section is an optional administrative checklist for the IA.

Section 12

These sections are optional. Relevant section(s) should be completed if any of the affected instruments or equipment have been replaced, or the aircraft role has changed within the last 12 months.

Optional. Should be completed if the aircraft has had multiple maintenance providers over the last 12 months.

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