



Review of Airworthiness

Check List Report - Rotorcraft

| | | | |
|-----------|--|--------------------------|----------------|
| Operator: | | Primary MOC organization | |
| | | CAR 119.59 (c) (9): | |
| Job No: | | Date Review carried out: | Reg. mark: P2- |

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 (✓) 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. Helicopter Particulars | | | | | | | | | |
|--|-------------------|-----------------------|------------------|--|----------------------------|--|--|--------------------------------|--|
| Airframe | | | | | Engine(s) | | | | |
| Manufacturer: | | | | | | | | | |
| Model: | | | | | | | | | |
| TCDS No: | | Rev | | | | | | Rev | |
| Serial No: | | | | | | | | | |
| TTIS: | | | | | | | | | |
| TSO: | | | | | | | | | |
| TIS recorder fitted at A/F hours: | | TIS recorder reading: | | | Total hours from tech log | | | TIS recorder reading entered | |
| TIS recorder operational history | Tamper indication | | Fault Indication | | Remove/fit indication | | | Is there an hours discrepancy? | |
| Tacho/Hobbs hour reading: | | | | | Heater hour meter reading: | | | | |
| Maintenance programme: | Previous | | | | Current | | | | |
| Helicopter conforms to type certificate data sheets and acceptable design changes- Yes? | | | | | | | | | |

| 2. Documents Carried in Helicopter | | | | | | | | | |
|--|---|--|--|--|--------------|--|----------|--|--|
| Airworthiness certificate | Category(s) | | | | Expiry date: | | | | |
| Manufacturer's flight manual | Doc: | | | | Rev: | | Current? | | |
| CAA flight manual | AIR: | | | | A/L: | | Current? | | |
| Applicable supplements in flight manual - log of supplements & amendment record sheet current? | | | | | | | | | |
| Technical log | Issue No: | | | | Date: | | | | |
| CAR 91.603(a)(4) | All maintenance, including defects and inoperative equipment/MEL items, recorded on current tech log appropriately rectified or deferred? | | | | | | | | |
| CAR 91.619 | Tech log contains all required current information? | | | | | | | | |

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|--------------------------------|---|--|---|----------------------|
| CAA 2129 radio station | Issue date: | | Radio list matches aircraft radio 'as fitted' configuration? | |
| weight & balance | Issue date: | | Date last weighed: | Current per logbook? |
| | Within limits and accurate | | Matches aircraft logbook | |
| Certificate of Registration | Must be carried on P2 registered aircraft operating outside of Papua New Guinea. | | | Carried? |

| 3. Maintenance Logbooks | | | CAA logbooks? |
|--|---|--|---------------|
| If not using CAA logbooks, identify which logbooks being used | | | |
| 3.1 Aircraft Logbook | Leading particulars recorded correctly? | | |
| 91.605(g)(1) & (2) | Maintenance programme | Current maintenance programme correctly identified? <u>AND</u> Person responsible for scheduling maintenance correctly identified? | |
| 91.605(a) | | All due maintenance performed at intervals specified? | |
| | | Any ICAs for mods / role equipment included in programme? | |
| | | Escalation requirements being met? | |
| 43.103(a)(4) | Operational Flight Checks | Carried out and correctly recorded? | |
| 43.69(c) | Maintenance records | Accurate, correctly recorded and completed? | |
| 43.69 | | Transferred from tech log? | |
| 43.105 | Releases to service | All correctly completed, recorded and certified? | |
| 43.113 | Duplicate Inspections | All carried out when required, recorded and certified? | |
| Section 5 | CAA required inspections | All applicable checks / inspections carried out and recorded? | |
| 91.605(e) | Radio station <input type="checkbox"/> Alt sys & reporting equip <input type="checkbox"/> SSR transponder <input type="checkbox"/> ELT <input type="checkbox"/> | | |
| | ELT battery <input type="checkbox"/> ELT remote battery <input type="checkbox"/> Compass swing <input type="checkbox"/> First aid kit <input type="checkbox"/> | | |
| | Fire Extinguisher(s) <input type="checkbox"/> Floatation equipment <input type="checkbox"/> CO Detector <input type="checkbox"/> C of G/Weighing <input type="checkbox"/> | | |
| | Manufacturer's inspections | Special inspections carried out and recorded? Calendar inspections carried out and recorded? Aging aircraft program requirements carried out and recorded? | |
| | Out of phase maintenance | All carried out and recorded? | |
| Section 6 | Lifed / TBO components | Airworthiness Limitations all recorded and within limits? Manufacturers TBOs all recorded and within limits? Operator's TBOs all recorded and within limits? Any variations to approved maint. programme within limits? | |
| Section 7 | Weight & Balance | Summary correct? (<i>refer also section 2 of checklist</i>) | |
| 91.605(e)(9) &(10) | | | |

| | | | Engine | |
|---|------------------------------|---|--------|---|
| | | | 1 | 2 |
| 3.2 Engine Logbook - Leading particulars recorded correctly? | | | | |
| 91.605(a) | Maintenance programme | Maintenance programme identified | | |
| | | Maintenance performed at intervals specified? | | |

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|------------------|------------------------------------|--|--|--|
| 43.69 | Maintenance records | Accurate, correctly recorded and completed? | | |
| 43.105 | Releases to service | All correctly recorded and certified? | | |
| 43.113 | Duplicate inspections | All carried out when required, recorded and certified? | | |
| 43.115 | Engine performance checks | Performed and recorded per manufacturer's requirements? | | |
| Section 3 | Product and component lives | All recorded and within limits (including overhaul)? | | |
| Section 4 | ADs | All current & applicable – assessed, recorded & certified? | | |
| | ADs (repetitive) | All current & applicable – assessed, recorded & certified? | | |

| 3.3 Aircraft Airworthiness Directives, Aircraft Modification, Engine and Propeller Installations | | | | |
|---|---|--|--|--|
| Section 1 | ADs | All current & applicable to the helicopter assessed, recorded & certified? | | |
| Section 2 | Manufacturers' service information | All maintenance performed or assessed in response to manufacturer's service information recorded? | | |
| Section 3 | Local mods, role equip, & STCs | All currently installed onto the helicopter and its components appropriately recorded? <i>(refer also section 5 below)</i> | | |
| Section 4 | Engine(s) installed | Current? | | |
| Section 5 | Repetitive ADs | All current & applicable to the helicopter assessed, recorded & certified? | | |

| 4. Part 39 – Airworthiness Directive Status <i>(appropriate for components currently installed)</i> | | |
|--|----------------------------|--|
| <p>Note: The Inspection Authorization Holder must check and ensure that the operator/owner of the aircraft has a proper AD monitoring system in place and is effective. All CASA PNG ADs and State of Design ADs must be tracked including all repeat ADs.</p> | <u>IA Comments:</u> | |

| 5. Modifications / Repairs recorded since the last Review <i>(state NIL if none done since last review)</i> | | | | |
|--|-------------|-------------------|----------------------------------|--|
| Mod / Repair Ref. No. | Description | Date incorporated | Release to service AMEL/auth no. | |
| NIL | | | | |
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| All mods & repairs correctly recorded and certified ,with applicable technical data iaw Part 21 App.C stated? | | | | |
| If these requires ICAs - have ICAs been included into the Maint. Programme & identified in Logbook? | | | | |

| 6. Helicopter Physical Inspection | | | | | |
|--|--|--|--------------------------|-------------------------|--------------------------|
| | Satis | | Satis | | |
| Fuselage | <input type="checkbox"/> | Control Surfaces | <input type="checkbox"/> | Systems | <input type="checkbox"/> |
| Tail boom and rotor | <input type="checkbox"/> | Controls | <input type="checkbox"/> | Avionics | <input type="checkbox"/> |
| Main rotor | <input type="checkbox"/> | Cabin/cockpit | <input type="checkbox"/> | Electrics | <input type="checkbox"/> |
| Landing Gear | <input type="checkbox"/> | Instrument Panel | <input type="checkbox"/> | Safety Equipment | <input type="checkbox"/> |
| | | | | Refer remarks over page | <input type="checkbox"/> |
| 6.1 | General Condition Inspection – helicopter is in satisfactory condition? | | | | <input type="checkbox"/> |
| 6.2 | Inoperative Equipment | Physical check that placarding is correct? | | | <input type="checkbox"/> |
| 6.3 | Overhaul and finite life components | Physical check/verification, where practicable, of serial no's correct? | | | <input type="checkbox"/> |
| 6.4 | Helicopter Identification & Placards | Type Certification ID plate fitted per 21.109? | | | <input type="checkbox"/> |
| | | Aircraft markings correct per 47.101? | | | <input type="checkbox"/> |
| | | Stainless steel identification plate fitted per 47.121? | | | <input type="checkbox"/> |
| | | Placards required by Part 26, Part 91, and flight manual (including supplements) fitted? | | | <input type="checkbox"/> |

| 7. Part 91 Subpart F – Instruments and Equipment Requirements | | |
|--|---|--------------------------|
| 91.503 | Location of instrument and equipment | <input type="checkbox"/> |
| 91.505 | Seating and restraints | <input type="checkbox"/> |
| 91.507 | Passenger information signs | <input type="checkbox"/> |
| 91.509 | Minimum instruments and equipment | <input type="checkbox"/> |
| 91.511 | Night instruments and equipment | <input type="checkbox"/> |
| 91.513 | VFR communication equipment | <input type="checkbox"/> |
| 91.515 | Communication and navigation equipment – VFR over water | <input type="checkbox"/> |
| 91.517 | IFR instruments and equipment | <input type="checkbox"/> |
| 91.519 | IFR communication and navigation equipment | <input type="checkbox"/> |
| 91.521 | Category II and III precision approach equipment | <input type="checkbox"/> |
| 91.523 | Emergency equipment | <input type="checkbox"/> |
| 91.525 | Flights over water | <input type="checkbox"/> |
| 91.527 | Aircraft operations on water | <input type="checkbox"/> |
| 91.529 | Emergency locator transmitter | <input type="checkbox"/> |
| 91.531 | Oxygen indicators | <input type="checkbox"/> |
| 91.533 | Oxygen for non-pressurised aircraft | <input type="checkbox"/> |
| 91.541 | SSR transponder and altitude reporting equipment | <input type="checkbox"/> |
| 91.543 | Altitude alerting system or device – turbojet or turbofan | <input type="checkbox"/> |
| 91.545 | Assigned altitude indicator | <input type="checkbox"/> |
| All required instruments and equipment fitted and airworthy. Yes? | | <input type="checkbox"/> |

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|-------------------|--------------------------------|--|
| 8. Remarks | <i>Extra page(s) attached?</i> | |
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| 9. Defects Observed (state "nil" if none) | <i>Extra page(s) attached?</i> | |
| No. | Description | Cleared? |
| | NIL | |
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| IA sighted rectification maintenance records? | | All defects rectified? |

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| 10. Certification (Review cannot be certified with open defects) | P2 - |
| <i>"I certify that an annual review of airworthiness has been carried out on this aircraft and that the requirements of Civil Aviation Rule Part 43.153(a) have been complied with"</i> | |
| Name: | Signature: |
| IA/Authorisation No: | Certification Date: |
| Date Review carried out (for 30 day period): | Date Review next due: |

| | |
|--|---|
| 11. IA's follow up actions (not mandatory to complete this section) | |
| 43.153(a)(3)(v) | Uncleared defects recorded in technical log and aircraft logbook |
| 43.155(a)(1) | Review certification entered into aircraft logbook |
| 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 |

Send this completed report form to:CASA PNG, Airworthiness,
PO BOX 1941, Boroko, NCDEmail:
airworthiness@casapng.gov.pg

Fax: +675 3230629

12. Part 91 Appendix A – Instrument and Equipment Specifications

| | | | | | |
|------|--|--|---|--------------------------------------|--|
| A.1 | Markings and placards | | A.14 | Emergency equipment | |
| A.2 | Fuel and oil markings | | A.15 | Emergency locator transmitters | |
| A.3 | Seating | | A.16 | Oxygen | |
| A.4 | Restraints | | A.17 | Passenger oxygen masks | |
| A.5 | Child restraint systems | | A.18 | Crew members on-demand oxygen masks | |
| A.6 | Aircraft lights | | A.19 | Oxygen equipment | |
| A.7 | Reserved | | A.20 | Protective breathing equipment (PBE) | |
| A.8 | Pressure altimeters | | A.21 | Crew member portable PBE | |
| A.9 | Communication and navigation equipment | | A.22 | Transponder equipment | |
| A.11 | Category II and III equipment | | A.23 | Altitude encoder equipment | |
| A.12 | First aid kits | | A.24 | Altitude alerting system or device | |
| A.13 | Fire extinguishers | | A.25 Parachute Assembly for Emergency Use | | |
| A.26 | Glider Tow Lines | | | | |

13. Part 136 Subpart F – Instruments and Equipment

| | | | | | |
|---------|------------------------|--|---------|-------------------------|--|
| 136.511 | Seating and restraints | | 136.517 | External Load Equipment | |
| 136.513 | Cockpit Voice Recorder | | 136.519 | Quick Release Devices | |
| 136.515 | Flight Data Recorder | | | | |

14. Reserved

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|--|--|--|--|--|--|
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Explanatory notes for completing the Rotorcraft 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 Papua New Guinea under should be referred to. List the airframe, engine and propeller TCDS numbers and ensure that the aircraft conforms with its type certificate.

Automatic time in service recorder – enter details only when a time in service recorder is fitted.

Maintenance programme – refer 91.605(a) – the aircraft must be maintained to either an approved maintenance programme, the manufacturer's programme or an acceptable programme as applicable.

Section 2

IA should satisfy themselves that they have the latest manufacturer's flight manual and current CAA approved flight manual revision.

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

Section 3

Maintenance Logbooks and any alternative maintenance logbook must be acceptable to CAA.

L and R columns have been provided for twin engine aircraft. For single engine aircraft, use either column.

Optional to complete listed individual CAA required inspections tick boxes

Section 4

Identify the airworthiness directive range for each type of component that has been recorded and certified. Also list any applicable AMOCs

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.

Section 7

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

Beside each item:

- enter a tick (✓) or **Y** 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 a 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 10

If completing this report electronically, state in the signature block "Certified in logbook"

Section 11

This section is an optional administrative checklist for the IA.

Section 12 to 14

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.