

Aircraft Technical Log

Further to the article in last month's RecPilot, I was advised that Downunder Pilot Shop sell a very tidy [aircraft flight logbook](#)- compact, hard cover, with facing pages for logging flights (who/when/where) and recording defects (squawks/fixes). Just the thing for shared club or syndicate aircraft.



Downunder are also offering discounts to RAANZ members who register with them. The website is still to add a link for RAANZ members, but in the meantime use the 'Flying NZ members registration' link at the bottom of their main page. Thanks to Steve De Grey for that heads-up.

Part 103 on-condition engine life extension program

In association with SAC, RAANZ has implemented a life extension program for Part 103 aircraft, allowing certain components to be run 'on-condition' beyond manufacturer published calendar and time in service limits.

At this stage the focus is on engines- particularly the Rotax 2- and 4-strokes. But it can also be applied to other engines with a manufacturer specified life as well as conversions with no specified limits.

This is not a 'free-for-all' or 'fly-till-it-dies' program. Entry into the system and continuation in the system requires specific conditions to be met.

Key requirements are:

- The engine must have a well documented maintenance and performance

history. Preferably from new, but certainly for the immediate past 100 hours. This to confirm the engine has a known history and to take a 'snapshot' of current performance to use as a benchmark for ongoing performance.

- If the maintenance history is unknown or undocumented the engine will need to undergo an endurance test period to establish its performance and reliability.
- The aircraft must be inspected by a specifically appointed Authorising IA who will carry out a thorough inspection of the engine- performance, wear, maintenance history and documentation. If satisfactory, the Authorising IA will specify key parameters for engine performance and wear limits, the maintenance regime to be followed, and sign the engine off into the program using the appropriate OCP form.
- One in the program, the engine must be maintained to the specified schedule, and at annual inspection time the owner's usual IA must measure and record performance against the specified parameters and limits.
- The engine may continue in the program as long as it continues to meet those maintenance, performance and wear requirements.

We are taking baby steps during the launch of this program to ensure we have everything sorted. We are initially appointing just a few Authorising IAs to get things started- that may increase once the system is fully up and running.

Current Authorising IA appointments are-

- Colin Alexander/Tauranga
- Wayne Lindebaum/Rangiora
- Peter Kempthorne/Gore

More detailed information on this program is on the [RAANZ website here](#).

This program will succeed if IAs and owners are meticulous with documentation, maintenance and monitoring. It will only take one slacker to stuff it up for the rest of us- don't let that be you!.

New online CMV form

We have developed a new version of the online CMV forms, aiming to make it more user friendly to those Instructors who prefer filling these forms in at the desk on the computer.

For those who prefer to fill in forms in the field as they go- no worries- the existing paper based CMVs will remain an option.

The new form has 6 sections which open up 'accordion style' when you click on them and lead you through the process of filling them in.



CMV: Certificate & Membership Validation 1562384059

A- Instructor log-in	79 Evan Gardiner
B- Pilot details	1 fred bloggs
C- RAANZ services/membership	Expires: 2020-06-04
D- Flight test assessment	Due: 2021-06-06
E- Flight certificate & ratings	Medical: 2019-06-29
F- Instructor checklist & signoff	<input type="checkbox"/> LAW <input type="checkbox"/> NAV <input type="checkbox"/> MET <input type="checkbox"/> TECH <input type="checkbox"/> HF <input checked="" type="checkbox"/> FRTO <input type="checkbox"/> GYRO <input checked="" type="checkbox"/> PPC

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Section A- Instructor login

- Instructor logs in with her/his RAANZ member number and password.
- If successful, the Instructor name will show on the header for this section.

Section B- Pilot details

- For an existing member, enter their RAANZ number and click on LOAD.
- The pilot's name will show on the header section for this section.
- For a new member, leave the RAANZ number field blank and click LOAD.
- Enter/edit the pilot personal and contact details as required.

Section C- RAANZ services/membership

- The pilot's membership expiry date will show in the header for this section- green if current, red if expired.
- Enter any payments and purchases in this section.

Section D- Flight test assessment

- The pilot's AFR/BFR expiry date will show in the header for this section- green if current, red if expired.
- If this CMV is for a flight test, fill in this section as appropriate and confirm if the flight test has been passed.

Section E- Flight certificate and ratings

- The pilot's medical expiry date will show in the header for this section- green if current, red if expired.
- If this CMV is for a BFR or upgrade, fill in this section as appropriate.
- A new medical expiry can also be entered.

Section F- Instructor checklist and signoff

- The pilot's exam status will show in the header for this section- green if

passed, red if not sat/failed.

- Fill in this section as appropriate, add any relevant notes/comments, confirm all correct and current.
- Click **PRINT FORM** to print a copy for the Instructor and again for the Pilot. Best to print double-sided so it is all on a single A4 sheet.
- Finally, click **SUBMIT TO RAANZ** to send it off via the interweb.

This form is in beta test mode- please [let RAANZ know](#) if there are any issues or suggestions to improve its usefulness.

Membership changes

Max Robertson	Canterbury Recreational Aircraft Club	Novice	Joined
Jacinda Johnston	Wairarapa Aero Club	Intermediate	Joined
Robert Bradnock	Feilding Flying Club	Advanced Local	Upgrade
Kevin Maurice	Gyrate Auckland	Advanced Local	Upgrade
Wallace Pendray	Mercury Bay Aero Club	Senior Flight Instructor	Upgrade
Graeme Sturgeon	Coromandel Flying Club	Advanced National	Upgrade
Ali Shokri	Waikato Microlight Club	Intermediate	Upgrade
Justin Lott	Canterbury Recreational Aircraft Club	Novice	Joined
Fabian Dunker	Canterbury Recreational Aircraft Club	Novice	Joined
Oonagh Daly	Canterbury Recreational Aircraft Club	Novice	Joined
David Stuart	Feilding Flying Club	Advanced National	Upgrade

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- Saturday night formal dinner and dance.
- Sunday breakfast.

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Or email wairarapaaeroclub@gmail.com