Avtrac Gold

Operators Guide

What is Avtrac Gold?

Avtrac Gold is an affordable, middle range set of tools that provides you and your staff with the ability to better manage your aircraft fleet maintenance.

Avtrac Gold is a *part* of your AoC Maintenance Control, and is CASA approved for Class A and Class B aircraft in Charter and Low Capacity RPT operations.

Maintenance Control explained

The concept and regulations covering Maintenance Control in Australia have been evolving over the last few years. CASA have made it clear that the control of maintenance and airworthiness is the responsibility of the Registration Holder and Operator.

For Charter Operators this may be a new concept, as their Maintenance Organisation may have been carrying out this task as part of their total package.

For Low Capacity RPT Operators this concept is not new, as Class A aircraft have always required to have a "Maintenance Controller" appointed by CASA Instrument.

Typically, a Maintenance Controller was employed full time by the Operator, and carried out all functions of maintenance control. Picture the guy in the white coat with the clipboard, watching over all maintenance tasks, and organising everything.

Aviation has grown more sophisticated since those days, and aviation professionals are more competent and aware of higher standards required in the industry.

Maintenance Organisations are suffering an acute shortage of LAME's, and more and more are too busy to perform any maintenance control functions.

Recent changed by CASA have been to introduce the Head of Aircraft Airworthiness and Aircraft Control (HAAMC) for an AoC Operator, clearly empowering Operators to take back control of their maintenance oversight, and undertake better planning and scheduling.

Associated company AERO Group pioneered the "remote control" of maintenance by the "team approach" in general aviation, and gained CASA approval for these operations in most states. Remote control is practiced by most large capacity airlines.

Avtrac Gold is a part of this team approach, and allows AoC Operators to set up an excellent system of control of all aspects of maintenance, at an affordable price.

Communication and display of data is done by the internet, with a password protected portal available to all Team Members assigned with maintenance control responsibilities.

Maintenance Control – the parts

Airworthiness Control – is the compliance with CASA Regulations, and covers areas like AD compliance, System of Maintenance control, Aircraft Data management and compliance, Audits etc.

Maintenance Tracking – all events listed in the Maintenance Schedule or System of Maintenance are tracked by hours, data, cycles and landings in dedicated software. Includes trend monitoring of engines. Reports are published as aids in planning. May include management of CESCOM, CAMP etc.

Aircraft Records Management – managing the aircraft log books and ensuring certifications and entries are true and correct. Archiving of Work Packages and additional data.

Maintenance Planning - The co-ordination of maintenance sub-contractors to perform scheduled and unscheduled maintenance on aircraft at times determined by the Maintenance Controller. The management of maintenance invoicing, parts procurement, and settling of warranty claims.

Maintenance Scheduling - The co-ordination of aircraft flying, to ensure scheduled maintenance is performed as determined by the Maintenance Controller. This includes management of MEL items, and deferred defects.

Work Packages – generation of Work Packages for scheduled maintenance, and processing of returned Work Packages and Coupons to update the Maintenance Tracking System.

What does Avtrac Gold do?

An AoC Operator with an aircraft on Avtrac Platinum has the Aircraft Records located in Perth at the local franchise office.

The CASA approved Maintenance Controller Instrument will be held by the in-house LAME.

Where required, the AoC Operator's Maintenance Control Manual (MCM) will reflect the Avtrac Gold procedures and forms.

A password protected Internet Portal contains a Planning Section, where current Due Lists, OSIP Cards, Trends and Work Packages are available for viewing and printing. A Pilot Section allows pilots to complete daily flight and trend submissions. A Manuals Section contains all AoC Manuals, Forms and Engineering Documents required by Team members.

Work Packages are returned by mail, or courier from the Maintenance Organisation.

The following elements of Maintenance Control are carried out:

Airworthiness Control – is the compliance with CASA Regulations, and covers areas like AD compliance, System of Maintenance control, Aircraft Data management and compliance etc.

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What does Avtrac Gold not do?

Avtrac Gold does not perform Maintenance Planning or Scheduling. Due to the remoteness of the operation, and the ever-changing requirements of flight schedules, we have found that the AoC Operator better performs these activities.

The Operator will be required to these assign duties and responsibilities to a HAAMC or Operations Manager to perform these functions.

The HAAMC or Operations Manager uses the generated and published online tools as aids in scheduling and planning.

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Maintenance Scheduling - The co-ordination of aircraft flying, to ensure scheduled maintenance is performed as determined by the Maintenance Controller. This includes management of MEL items, and deferred defects.

Who is Avtrac Pty Ltd?

Avtrac Pty Ltd is a Franchise company, with independent aviation CAM (*Continuing Airworthiness Management organisation)* Franchisees licensed to use the Avtrac System.

We perform Maintenance Control activities for clients throughout each state in Australia, and are approved by CASA under various Instruments and Approvals.

Each Franchise is a full time business and operate from a dedicated business premises, employ full time and part time staff, and have work stations for computerised record management.

The business owner and director Paul Carey is a LAME with over 25 years experience on the floor and many positions as Chief Engineer. His ratings include Airframe Groups 1, 4,5 and 6, and Engines 1, 3 and 21(PT6A).

Paul holds CASA Maintenance Control Instruments for heavy corporate jets (eg – Challenger 600), Low Capacity RPT Operations, and ASEPTA Operations using single engine turbines.

He has been conducting maintenance control full time for over ten years, is a technical writer, and a software developer of FileMaker databases.

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Avtrac's motto is "Quick and Fast" – timely and accurate airworthiness management.

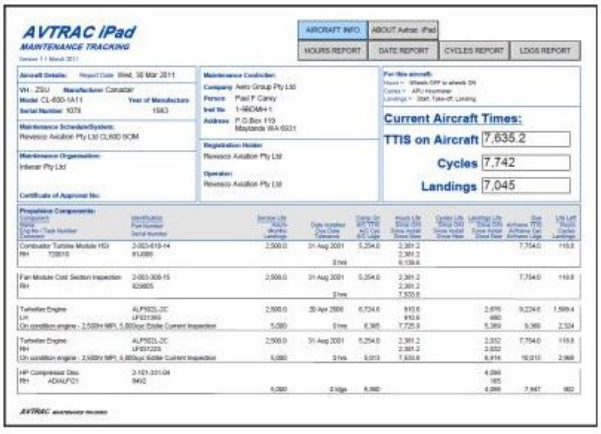
AVTRAC for the iPad

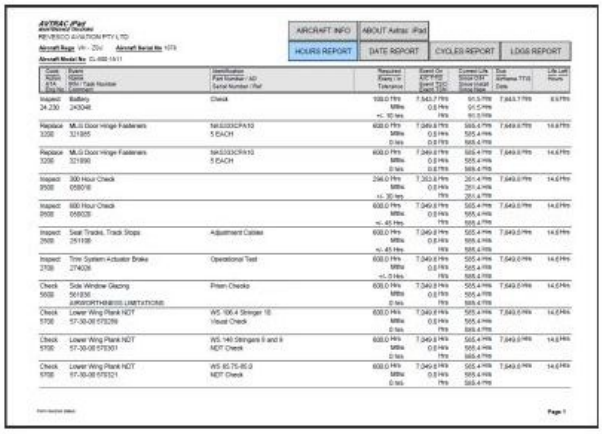
Many of our clients have upgraded to the Apple iPad in the cockpit. AVTRAC for the iPad allows the HAAMC and pilots to view the complete aircraft Due List onboard.

Planning and Scheduling is made easier with this new tool.

- Uses FileMaker GO from the Aps Store.
- Updated file is e-mailed to your iPad.
- Password protected for security.
- Interactive due lists after Current Aircraft Times are updated.

iPad





Contact us if you have migrated to the iPad and want to use the service.