



FAME

The cutting edge in ...

FAME is an advanced maintenance solution designed to provide airlines and consultancies with effective software tools for maintenance management activities.

FAME reduces the mundane daily activities and enables you to focus on vital business growth.

The software was designed in close consultation with operational maintenance consultants, resulting in a powerful operational solution.

Fleet Management.

Maintenance Management.

Component Tracking.

Technical Records.

Documentation Storage

Reporting

FAME is produced by ...

AerStream

The Platform

User Interface

A simple yet aesthetically pleasing interface is achieved with the adherence to the Microsoft recommended Graphic User Interfaces (GUI) standards.

The Fleet Manager

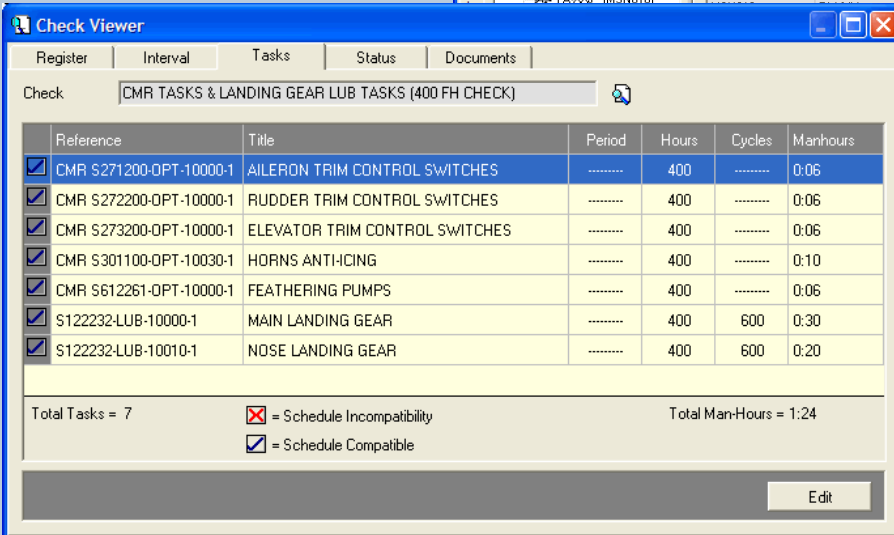
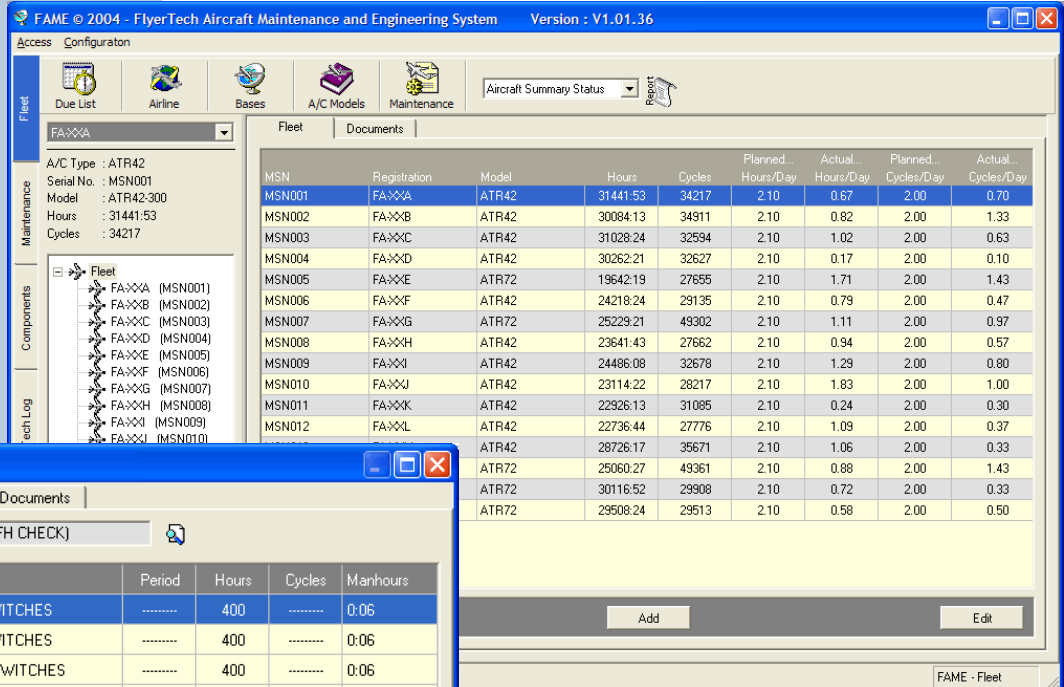
Features...

- Fleet Configuration.
- Aircraft Configuration.
- Aircraft Due List.
- Aircraft Status.
- Maintenance Program.
- Weight and Balance.
- Documentation Linking.

Operating System

This system has been designed to run on the current Windows® operating systems and will be upgraded to any new Windows® operating platforms.

Based on a client-server architecture, remote clients gain access to a secure server that provides all the security and back-up functionality to ensure that your valuable data is protected.



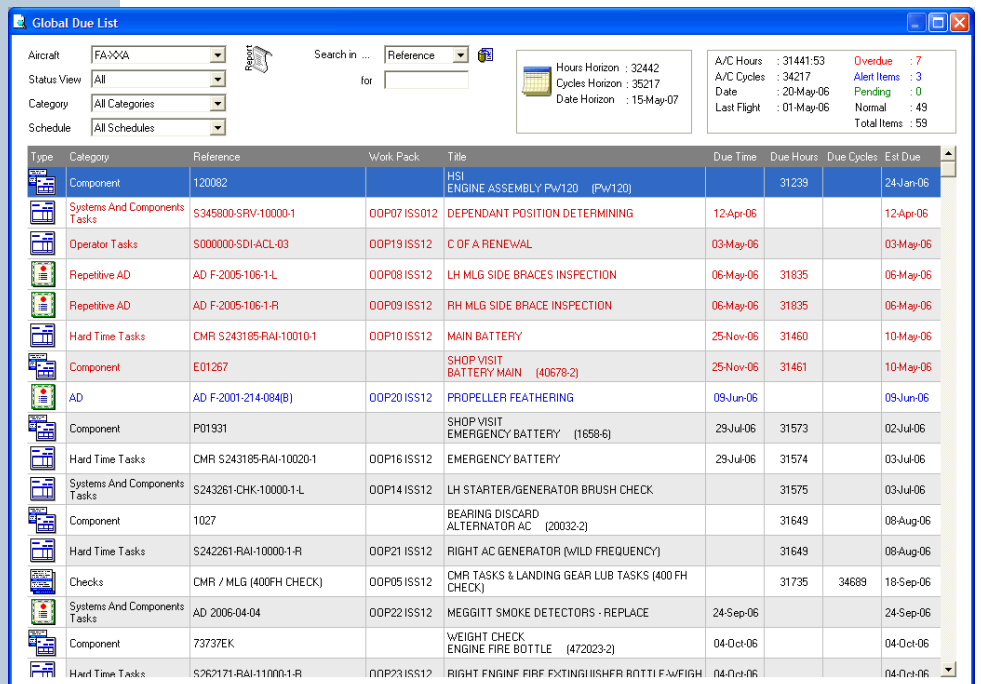
Navigation

In order to achieve fast navigation and easy access to multiple levels of data, a drill-down approach has been implemented. This means that major items can easily be selected from lists, and more details are only a mouse double-click away.

Global Aircraft Due List.

A Due List per aircraft is available, listing all due Maintenance check, Directives, SB, Tasks, Un-scheduled Items and Component Controls. Alarming and Work Pack inclusion status is displayed.

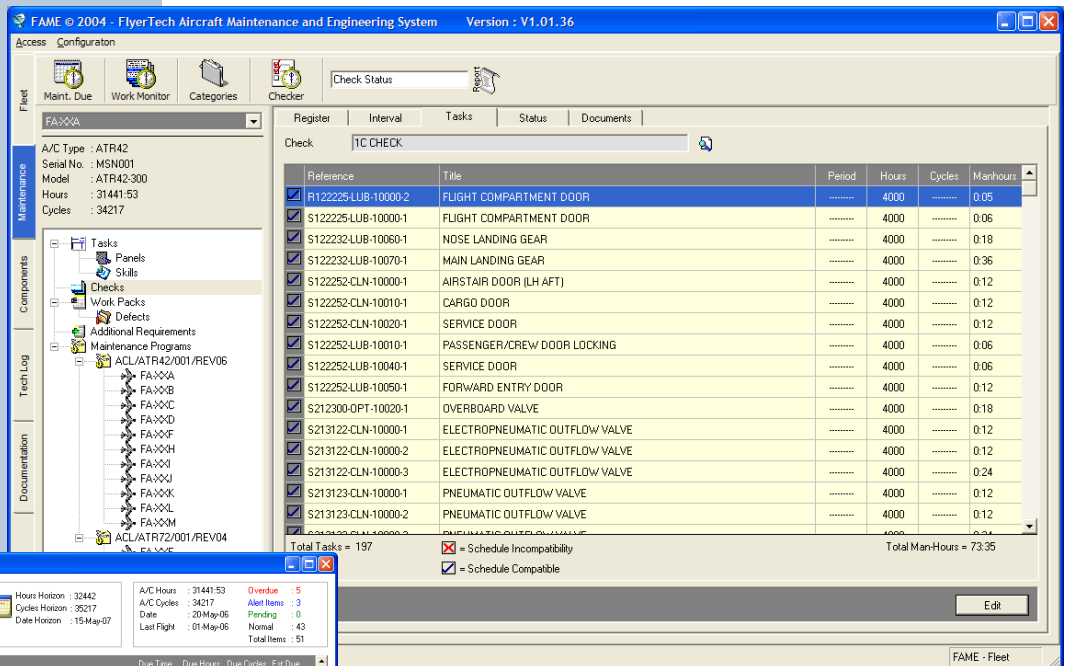
Using the drill-down navigation, further details relating to the selected item can easily be accessed.



The Maintenance Manager

Features...

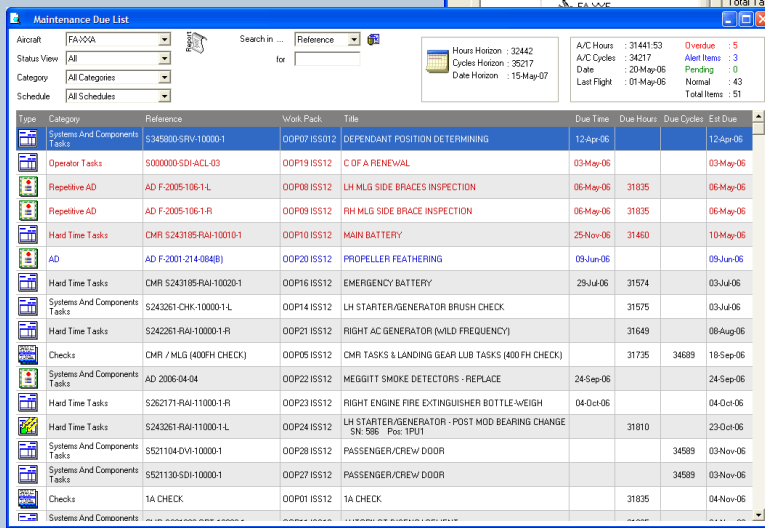
- Maintenance Program Configuration
- Task Planning
- Check Planning
- Scheduling
- Pre-Loads
- Task Cards
- Work Packs
- Additional Requirement
- Maintenance Program Reports
- Documentation



Maintenance Due List.

This list gives the current status of all Checks, Tasks and Directives scheduled. Status indication such as overdue alarms and alerts are provided.

Each item on the due list can be individually updated. Any changes made while drilling-down, are immediate reflected on the updated list.



Maintenance Planning

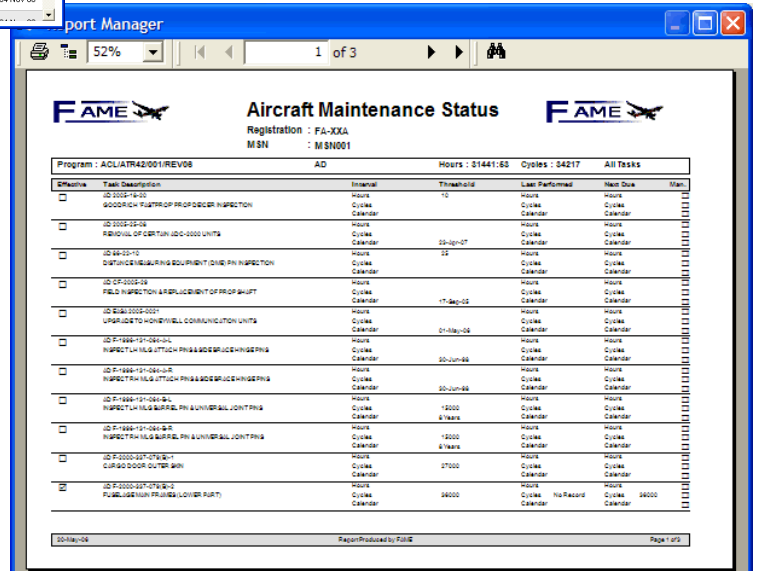
A check registered in a maintenance program can consist of any number of tasks, based on airframe, component or component in a position status.

A task that does not have a schedule but is inserted into a check will be run in accordance with that check's planned schedule.

Tasks that have their own schedules are checked to see if synchronization is possible. Should such a task be required before the scheduled check, then the check schedule will be pulled forward and the offending task will be highlighted for re-scheduling.

The status of all the check on each aircraft can be viewed.

Maintenance Status reports are available giving detail on the set-up of the Maintenance Program and the status of an aircraft.



Task Registration.

Task can be configured to be Free-running or can be incorporated in checks within the maintenance program.

The task schedule is specified by any combination of operating hours, cycles or calendar and can be either linked to an airframe, part number, component or a position's component.

Task can also be temporary removed from a check in order to run out of phase, and will automatically be inserted back into the check.

Work Packs..

Work Packs are easily created by selecting a number of due items from the Work Pack Content selector.

These selected items could be scheduled checks, non-routine tasks or component tasks.

Panel-Removal, Man-Hours, Skills, Pre-Loaded Parts and any associated documentation can be included in the Work Pack.

The screenshot shows the 'FAME © 2004 - FlyerTech Aircraft Maintenance and Engineering System' interface. The main window displays a 'Work Pack' configuration for '1A CHECK'. The 'Req. Start' is '12-Apr-06' and 'Manhours' are '19:17 hrs'. A table lists tasks with columns for Type, Reference, Task/Check Title, Eff. Tasks, Est. Due, and Manhours. The table includes tasks like '1A CHECK', '2A CHECK', '4 YEAR CHECK - 8 YEAR THRESHOLD', and 'CMR TASKS & LANDING GEAR LUB TASKS (400 FH CHECK)'. The status is 'Open' and 'Effective Tasks = 63/77'.

The 'Work Pack Content Selector' dialog box shows a list of tasks categorized by type (e.g., Hard Time Tasks, EO Tasks, Checks). A 'Workpack' section at the bottom shows a list of selected tasks, including 'DEPENDANT POSITION DETERMINING', 'AFDAU FUNCTIONAL TEST', and '4 YEAR CHECK - 8 YEAR THRESHOLD'. The total selection is 12 tasks.

Work Pack Monitor.

All work packs are monitored and controlled in the Work Monitor. This includes the signing off of the work pack and the removal of any tasks that are not completed.

Actual task completion times and replaced components can be entered in order to update the status of the system.

Work Pack Reporter.

A list of task cards can be viewed and printed from a work pack.

In a typical operation a Work Pack can be stored in pdf format and then emailed to the interested parties.

The 'Work Pack Reporter' interface shows a list of task cards (Card No. 8 to 40) and a detailed 'Work Card' for '1A CHECK'. The work card includes a description of the task: 'REMOVAL OF BRUSH BLOCK FOR DETAILED VISUAL INSPECTION AND CLEANING OF BRUSHES. BRUSH BLOCK AND SLP RING. CHECK OF BRUSHES LENGTH. NOTE TASK TO BE PERFORMED WITH TASK 306100-OPT-10000-1 (MPD EFFECTIVITY NOTES - ALL) (SOURCE REF - IIRBR30600002)'. It also includes a table of parts to be replaced, such as 'FASTENER QTY: 4. ACCESS TYPE: QUICK OPENING, DIMENSIONS (mm): 950 X 900'.

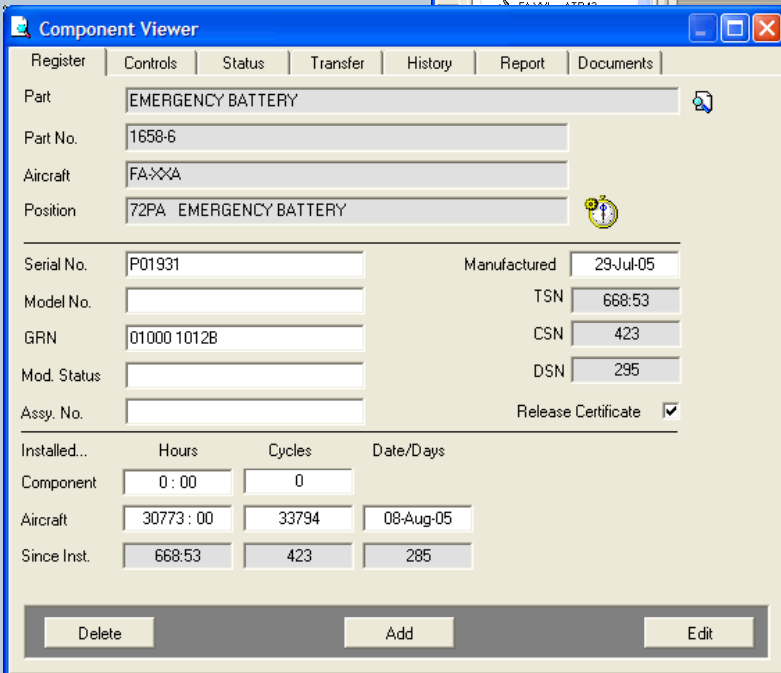
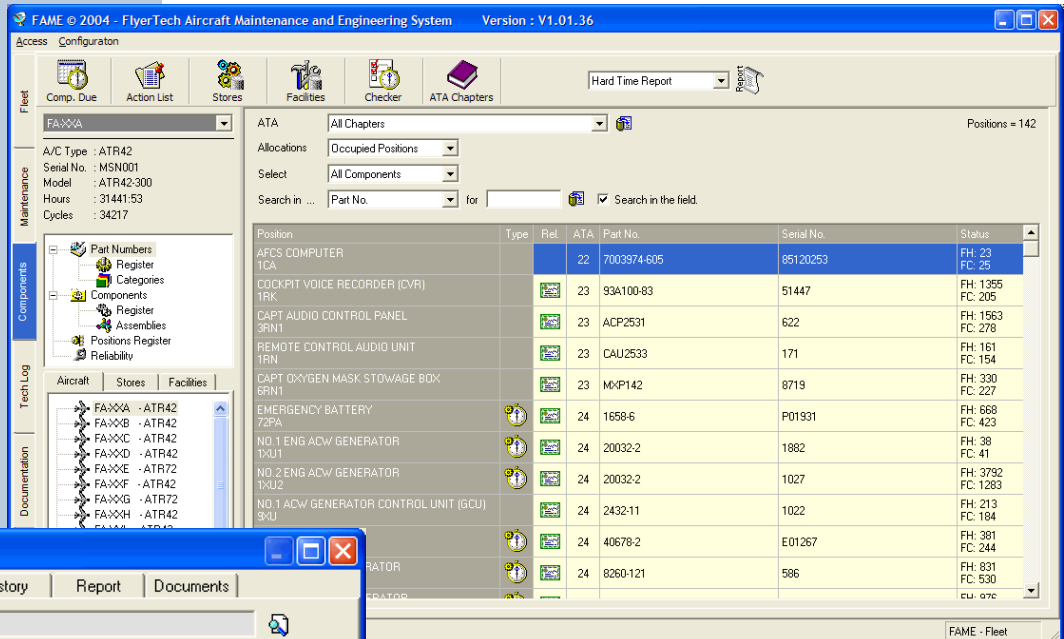
Work Pack Reports.

In addition to this the task card list, panel removal, call-up, Pre-load, document control and feedback reports are also available.

The Component Manager

Features...

- Aircraft Positions.
- Component Assemblies.
- ATA Chapters.
- Part No. Registration.
- Component Controls.
- Warranty Claims.
- Component Tracking.
- Reliability Reports
- Component Due List.
- Stores/Facility Control.



Component Monitoring.

Controls assigned to components contain schedules, which monitor and alert the user when the required event due. A control can be assigned at Part Level or Component Level.

A typical Part Level control could be an overhaul that must be accomplished on each and every component registered on the system with this part number.

Controls can also be placed into Tasks and incorporate in the maintenance plans.

Component Tracking.

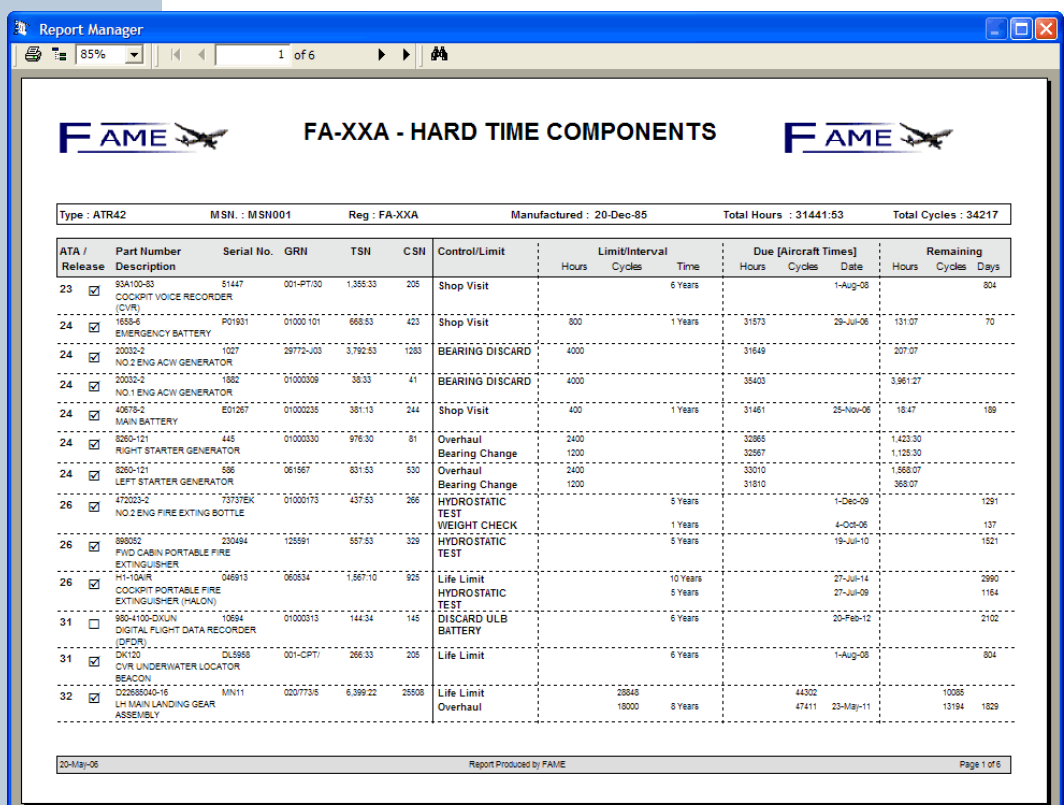
A component is assigned a Part No, Serial Number, Location and possibly an assembly position.

The component is monitored against the current status of the aircraft.

History/Reliability.

A history of all component transfers and all completed controls is maintained.

Component reliability graphs are also available of analysis.



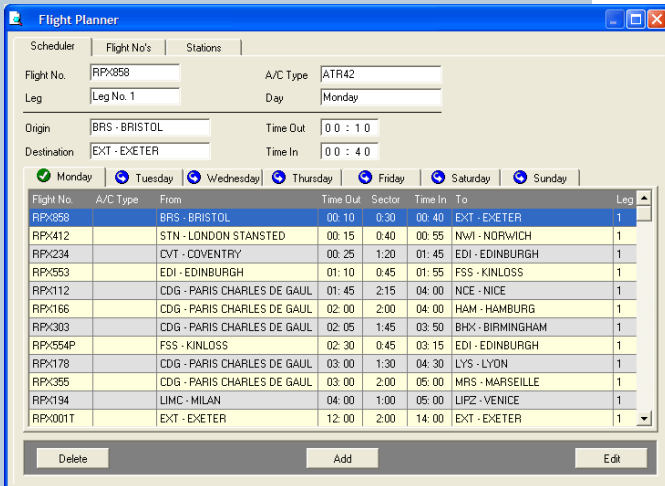
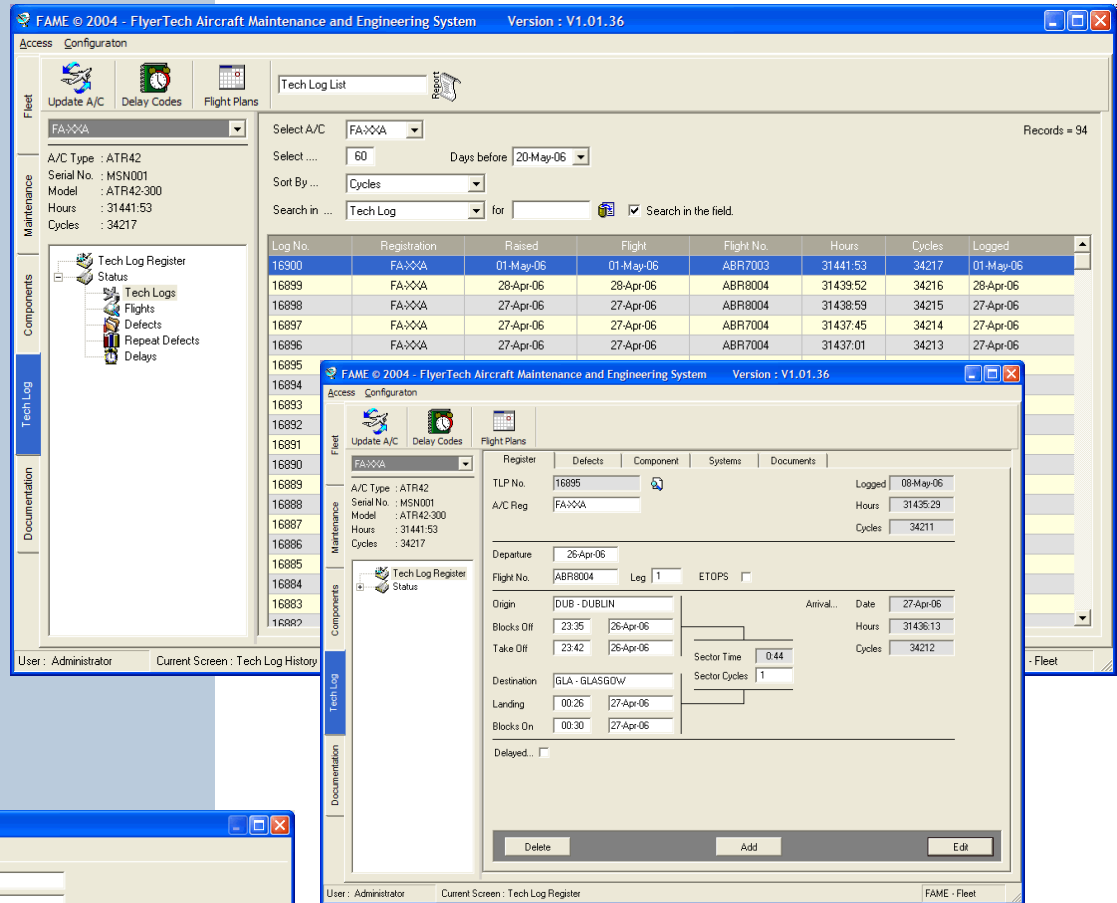
The Technical Manager

Features...

- Tech Logs.
- Flight Logs.
- Fluid Uplifts.
- Component Replacement.
- Defects/Repeat Defects.
- Deferred Defects.
- Flight Planning.
- Flight Logs.
- Flight Delays.

Reports.

Reports on Tech Logs, Uplifts, Defects, Flights and Delays give detailed information on the status of the aircraft.



Tech Log Input.

Tech Logs received can be automatically or manually inputted into the system.

Flight details are used to maintain a flight log containing records on all flights, sector / block times and delays.

Flight delays can be automatically recorded if a flight schedule is created in the system, however manual entry is available for un-scheduled flights.

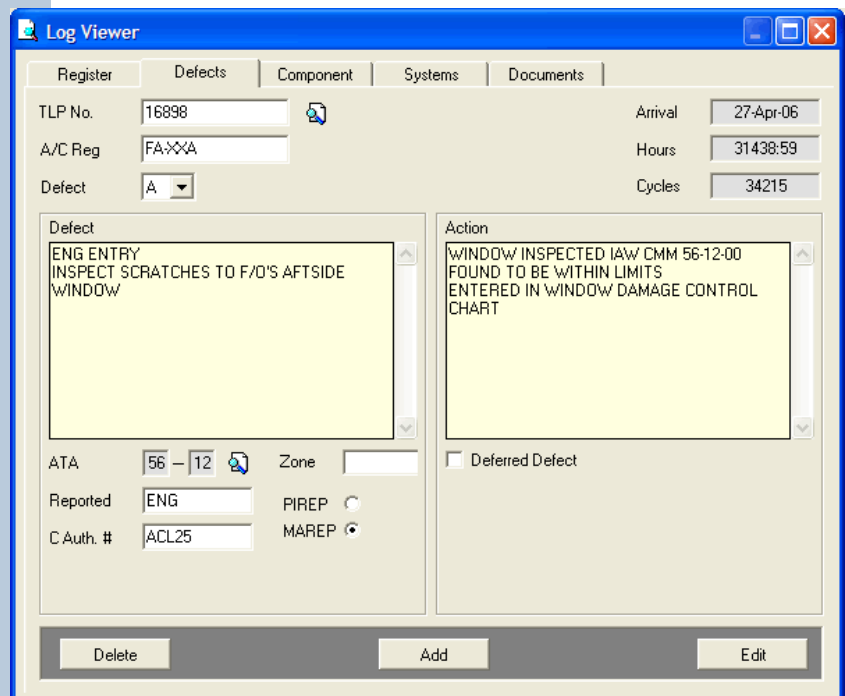
Defects.

Defects are logged on the system and can either be completed or deferred.

All deferred items are placed on an open item list that alerts the user of any due items.

MEL/CDL days control can be assigned to the deferred items.

Reliability reports of repeat defects against ATA Chapters over a selected period are displayed.



System Reporting

All modules in the system have access to the report server.

FAME contains a large number of tested and approved reports and documents that are required for a successful operation.

Reports can be previewed, stored, e-mailed or printed. Reports can be stored in document manager and later e-mailed to other facilities, improving efficiency and reducing paper storage.

The screenshot shows the 'Report Manager' application window. On the left, a list of tasks is displayed, including 'AD 2001-142-056 FUSELAGE - CONTROL KEY HOLE', 'AD 2002-073-063(B) R2-L ULTRASONIC CLEANING', and 'AD 2005-18-20 GOODRICH FASTPROP PROP DEL'. The main window displays a 'Maintenance Program' report for 'ACL/ATR72/001/REV04'. The report includes a table with columns for 'Task Reference', 'Task Description', 'ATA', 'Zone', 'Threshold', 'Interval', and 'Effectivity'. The table lists several tasks such as 'AD 2001-142-056 FUSELAGE - CONTROL KEY HOLE IN MAIN FRAMES 26 & 27' and 'AD 2005-18-20 GOODRICH FASTPROP PROP DEGR IN INSPECTION'. The report also includes a note: 'NOTE: A DAILY INSPECTION IS REQUIRED ON COMPLETION OF INITIAL INSPECTION UNITS. REPLACEMENT IS CARRIED OUT WITH AN APPROVED PROPELLER DEGRICER.' and a footer indicating 'Report Produced by FAME' and 'Page 1 of 182'.

The Document Manager

Documentation Tracking.

Tracking of aircraft and components involves manuals, reports, certification documents and many other forms of documentation.

Conversion of these documents to an electronic format has many distinct advantages. These advantages include reduced storage space, instantaneous access and reliable record keeping.

Document Storage.

This operates by recording the document and file details. The files are stored in directories in their original format. Documents can be imported into the system simply by linking, copying or scanning. Links to existing documents can be created, thus preventing document duplication.

To view the document the system opens the application that is associated with the file type. This allows the document to be viewed in its original environment providing greater flexibility in the use of the document.

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