

## Electronic Documents On Demand ...

In order to meet strict regulatory needs, customer demands, and financial goals, maintaining modern aircraft requires that the MRO team has access to accurate documentation. To solve this challenge, AeroSoft has integrated a collection of third party developed software in the compelling DigiDOC suite.

The DigiDOC suite is highly flexible. It enables the customer to put together a package that is particularly geared towards any operator's individual needs in full interface with AeroSoft's Desktop Jobcard Module (DJM).

## ... Our Solution

The DigiDOC suite consists of following products:

### Main Products

- **Life\*AMPS** - Aircraft Maintenance Planning Support - is made to control and integrate the planning function of an engineering and maintenance operation.
- **Life\*WEB** - is a virtual management information system, which deploys integration and process control over the Internet through a 'logical document' concept.
- **Life\*WEB CDROM** - enables data to be distributed, published and viewed in multiple formats and on multiple devices, from desktop computers to PDA and wearable computers.

### Enhanced Products

- **Life\* CDM** - a high end granular SGML repository

### Scenarios of how to use DigiDOC's suite:

- E-content distribution of OEM data within your MRO organization
- Enhance item *Life\*AMPS* with a basic job-card production system
- Integrate *Life\*AMPS* and *Life\*WEB* to modify OEM content from the shop floor
- Integrate all three main products to allow creation and management of supplements provided by the operator.
- Integrate *Life\*CDM* with other products for full document management capability on new content

## What's in DigiDOC™

DigiDOC is a full-fledged document management solution. It includes:

### Interactive Electronic Technical Manuals (IETM)

The IETM Solution (Life\*CDROM) provides both standalone and web delivery of OEM Technical Manuals, e.g. Aircraft Maintenance Manual, Fault Isolation Manual, Illustrated Parts Catalog, and Wiring Diagrams. Removing the need to manage and utilize paper manuals on the shop floor, this capability

allows mechanics, engineers, quality assurance engineers, and planners to access technical content online or from a CD/DVD.

The CD/DVD solution can be used in remote locations or locations with limited internet access. Maintenance personnel are able to navigate via a table of contents, search all information efficiently, hyperlink within and between manuals, browser procedures, graphics, and parts lists. The IETM has been proven to significantly increase the efficiency of the mechanic on the shop floor, increase the quality of technical content, decrease technical publication costs, and increase the quality and efficiency of engineering.

### Local Editing of Manufacturing Data

The Local Edit Solution (Life\*Web MRO) provides the ability to make updates, or "green pages", add supplemental data, and insert annotations to the manufacturers technical content. "Green Pages" can be used to add airline specific engineering data to the OEM manuals or make airline specific changes. Supplemental data can be attached to primary technical information and can include pictures, movies, maintenance tips, best practice information, etc. Annotations can be used to collect information from the shop floor and make contents on both approved and in-work technical content. The Local Edit Solution is coupled with the IETM Solution to provide a full technical content solution for the airline. The solution includes a full revision analysis feature that allows engineering / technical publication to review the changes from the manufacturer on-line and make change impact decisions and resolution quickly and efficiently.

### Maintenance Requirement Management System (MRMS)

The Maintenance Requirement Management System (MRMS) provides the capability to manage airline maintenance programs interfaced to the OEM's Maintenance Planning Document (MPD). The aircraft require a maintenance program defined by the airline and approved by the regulatory agency. This program is usually based on the MPD provided by the manufacturer and enhanced by the operator. The MRMS Solution provides an efficient interface for managing the program by the airline. The manufacturer MPD is read into the system and engineering is provided a user interface to update, add, and approve maintenance requirements. The complete set can be approved and output at any time for review by the regulatory agency. The maintenance plan or work packages for maintenance are usually based on the Maintenance Program, therefore the DigiDOC solution allows for the export of the maintenance program for loading into the maintenance planning system. This capability reduces re-authoring, reduces errors, and facilitates traceability back to the airline Maintenance Program and manufacturer MPD. The solution also provides a revision analysis tool for identifying changes to the manufacturer MPD and providing an online review and resolution tool for quick and efficient program updated.

