

UTC AEROSPACE SYSTEMS

EFB SOFTWARE APPLICATIONS

The UTAS EFB software applications provide a powerful and user-friendly information environment that replace time-consuming paper-based methods, therefore improving information accuracy and flight crew productivity. The UTAS software application suite includes solutions for the flight deck, applications on the ground to manage the content on the EFB units, and services to setup the system to meet each customer's specific needs.

AIRBOURNE APPLICATIONS

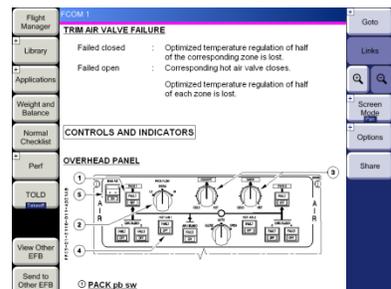
Flight Manager

The foundation of the UTAS EFB software offering, the Flight Manager is an open-system design that provides an integrated operating environment for data sharing between the hosted EFB application and the networked EFBs. It also includes a suite of administrative utilities pertaining to device configuration (e.g. screen orientation) and content management (e.g. software / data revisions).



Document Viewer

The Document Viewer adapts to the documentation technology used by the operator, providing an extension to the investment already made in digital documentation and allowing that documentation to be utilized effectively on the flight deck. The application includes a robust search function and supports a number of file formats, including Portable Document Format (.pdf), Joint Photographic Experts Group (.jpg), Bitmap (.bmp) and Extensible Markup Language (.xml).



Aircraft Performance

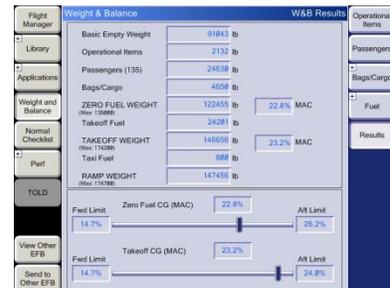
The Aircraft Performance application gives pilots on the flight deck the capability to calculate aircraft performance, using real-time airport weather, and accounting for actual airplane system and MEL/CDL conditions. The Aircraft Performance application calculates the maximum allowable takeoff and landing weights, even with last minute runway and environmental changes, resulting in improved safety, maximum payloads and reduced maintenance costs.



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Weight and Balance

The Weight and Balance application gives pilots on the flight deck a way to calculate and generate an aircraft load sheet. This flexible application accounts for various operational items and dynamically determines passenger random seating protection based on actual passenger load. Its center-of-gravity optimization function is a valuable feature that can reduce fuel burn.



Communications

The UTAS Communications application provides a “mailbox” for the flight crew to access to view uploads and downloads and their respective transmission status. In addition, it provides an interface for viewing and creating simple text messages.



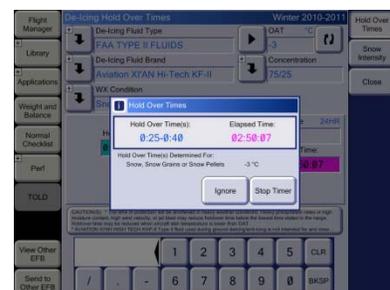
Electronic Checklist

UTAS provides an application for assisting the flight crew to complete Normal Checklists. Aircraft/Airline specific checklist content is integrated within the application. Checklist syncing between EFB's is supported as well as automatic transition to the next checklist category after completion of a category. Crew members are allowed to skip items which must be revisited and completed prior to proceeding to the next checklist category.



Smart Forms

UTAS provides an application to complete forms on the EFB, as well as a service for translating paper forms into an electronic format. The Smart Forms application works in conjunction with the Library and Opened Library Items functions of the Flight Manager. Forms are selected from the Library and opened in the Forms Viewer. Once opened, forms are available in the Opened Library Items application. The information collected in forms is provided in an XML format, suitable for incorporation into various ground-based applications and databases.

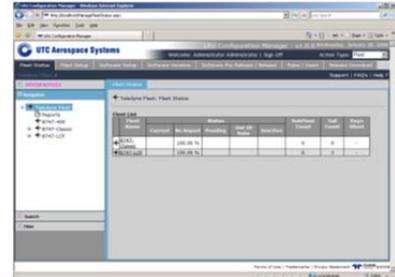


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GROUND-BASED APPLICATIONS

EFB Configuration Manager

The EFB Configuration Manager (ECM) provides the EFB administrator at the airline with a single, common user interface to properly configure software and data packages for distribution to EFBs and other LRU types. ECM manages the configuration of software and data for each tail number, fleet type and/or LRU and provides configurable email notification of discrepancies. ECM distributes software and data across the operator's network in real-time or through an integrated scheduler to minimize network traffic. It also manages personalized data collected from EFB users.



EFB System Administrator Module

The EFB System Administrator Tool kit is an application that provides an automated way to modify the configuration files, color schemes, menu structure, etc. of the UTAS EFB software suite.