



OPERATIONAL PERFORMANCE

# Electronic Flight Bag



LIFECYCLE  
SOLUTIONS



# SCALABLE INFORMATION SOLUTIONS

**Boeing delivers LIFECYCLE SOLUTIONS,** products, services, and support that will help you achieve success and maximize the value of your Boeing fleet through its life. And Boeing has a set of LIFECYCLE SOLUTIONS focused on operational performance that can help your maintenance, engineering, and flight operations personnel perform their work in the most effective manner possible, increasing efficiency and profitability.

**As a Boeing LIFECYCLE SOLUTION,** the Electronic Flight Bag (EFB) is focused on improving your operational performance by bringing the technological advances of computer information delivery and management to the airplane flight deck for the first time, providing integrated solutions for managing information in the air and on the ground.

## INTEGRATED INFORMATION MANAGEMENT, IN THE AIR AND ON THE GROUND



**The Boeing Electronic Flight Bag** is a modular suite of software solutions designed specifically for the air transportation industry. Choose to start with the modules that will

earn the quickest and greatest return today. Then add modules to make the most of your scheduled systems upgrades and process improvements.

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## Increase the efficiency of aircraft operations.

See savings and efficiencies almost immediately when you reduce the amount of paper that your pilots are required to bring to the flight deck for every flight. And the savings will continue to grow as you eliminate data distribution costs entirely in some cases.



■ **Electronic documents** give instant access to the most up-to-date information, reducing lookup times and eliminating sources of error. The module completely replaces bulky flight operations manuals and other airline operating manuals and reference materials. This incorporates both entitlement and customer originated and controlled documents, thus minimizing the need for manual updating and revision. The documents are available in both day and night formats.

EFB applications provide



■ **Electronic charts** in a consistent, easy-to-use format, providing clear, concise Airport, Airspace, and Approach charts; SIDs; and STARs. The worldwide coverage can easily be tailored to customize content.



■ **Aircraft performance calculations** that airlines need to optimize the performance of their aircraft in order to achieve maximum return on investment. Optimum takeoff and landing calculation maximizes payloads, and accurate decreased power settings increase engine life. Crews perform real-time calculations based on current weather and runway conditions, while automatically factoring MEL and CDL items.



■ **Electronic Log Book combined with Boeing Airplane Health Management** will monitor and forward in-flight fault information to the appropriate ground maintenance facility with sufficient context for maintenance systems to prioritize work and recommend the most appropriate remedies before the airplane arrives. This will help airlines reduce flight schedule interruptions.



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## Get the latest safety enhancements.

EFB photo and graphical representations of the airport environment improve the crew's positional awareness during the most crucial phases of operations.



■ **Minimize runway incursion risk with the Airport Moving Map**, an industry first. High-resolution airport diagrams with own-ship position support safe and efficient ground operations, using exclusive Jeppesen airport databases to depict the airport environment with unsurpassed accuracy and visual detail.

**Provide your crews, passengers, and equipment the highest possible security.** EFB can give you an affordable way to meet security mandates and insure your operations against illegal activity.



■ **Video surveillance** is integrated into EFB, enabling the crew to monitor activity outside the flight deck and in the cabin while in a normal seated position. EFB accommodates a variety of third-party camera systems to give you the greatest choice of hardware suppliers.

## Anticipate future growth and technology development.

EFB is already designed to accommodate next-generation technological developments as they become available.



■ **Seamless terminal and en route charts** will provide a continuous, uncluttered graphical depiction of airplane position and navigation information, driven by an advanced flight information database.



■ **Electronic Flight Folder** enables airlines to collect data, assemble the initial Flight Folder, and transmit it to the EFB. The flight folder will be populated with flight information and airplane system data, providing a means for the crew to review and sign the Flight Folder.

■ **e-Reports** will replace airline paper-based crew forms and reports, enabling airlines to generate and modify reports and form templates and load them on the EFB. Completed reports or forms can then be transmitted to the Ground System.

■ **Improved communication** will create new efficiencies between flight crews, dispatchers, and air traffic management in all stages of operations.

## Take advantage of individualized LIFECYCLE SOLUTIONS.

Every commercial airplane operator has unique needs, defined by business strategies, existing equipment and processes, fleet plans, competitive environment, brand identity, and a host of other definitive factors. We will partner with you to identify and quantify the best opportunities for you to improve your operational performance with EFB aviation information management solutions. We'll help you build the business case to support your decision, then design a solution that matches your particular needs and shows the greatest return on your investment in the shortest possible time.

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