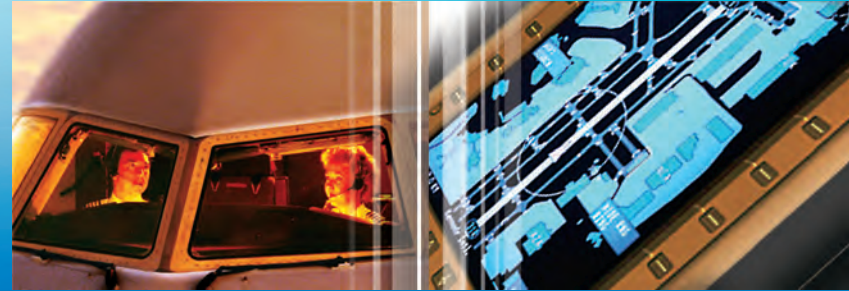




OPERATIONAL PERFORMANCE

# Onboard Performance Tool



LIFECYCLE  
SOLUTIONS

# ONBOARD PERFORMANCE TOOL

## The Boeing 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.

As an application of Electronic Flight Bag, **Onboard Performance Tool (OPT)** permits flight crews and ground personnel to perform real-time calculations based on current weather and runway conditions, while adhering to company and regulatory policies and procedures.

## Boeing Commercial Airplanes

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## MAXIMIZING PAYLOADS THROUGH OPTIMIZATION

The screenshot displays the 'PERFORMANCE - TAKEOFF' screen. It features several input fields and buttons for configuring flight parameters. The 'ARPT INFO' section includes fields for ARPT (RSEA), RWY (16R), INTX (NO INTX), COND (GRN), WIND (120/15 KT), OAT (-5 C), and QNH (1013.0 HPa). The 'FLIGHT INFO' section includes fields for RTG, ATM, FLAPS (5), A/C, and AI. The 'WT AND BALANCE' section shows Takeoff Weight (260110) and CG (%). The 'SHOW LANDING' section displays FLAP (5), ACCEL HT (600 ft AGL), TRIM (N/A), V1 (151 KT), RWY / INTX (16R), VR (157 KT), V2 (163 KT), TOGW (260110 KG), %N1 (95.3), and VREF30 (154 KT). Buttons for 'CALC', 'SHOW ATM', 'MEL', 'CDL', and 'SEND OUTPUT' are visible on the right side.

**The Onboard Performance Tool** provides self-planning capability through fast and precise calculations. It allows flight crews to calculate the takeoff analysis, landing analysis, and weight and balance information. Instant and accurate calculations save time by correcting for pressure variation, runway conditions, engine bleeds, and MEL items.

## Key benefits

- Increased revenue and lower costs by optimizing payload for current takeoff conditions.
- Reduced engine maintenance costs by increasing flight takeoffs at lower derates.
- Reduced dispatch delay costs for each minute of delay saved per flight.
- Fuel cost savings for each minute of taxi time delay saved per flight.