SAFO
Safety Alert for Operators

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Flight Standards Service
Washington, DC

**U.S. Department
of Transportation
Federal Aviation
Administration**

http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/safo

A SAFO contains important safety information and may include recommended action. Besides the specific action recommended in a SAFO, an alternative action may be as effective in addressing the safety issue named in the SAFO. The contents of this document do not have the force and effect of law and are not meant to bind the public in any way. This document is intended only to provide clarity to the public regarding existing requirements under the law or agency policies.

Subject: Boeing's Onboard Performance Tool (OPT) v4.70 for iOS Devices.

Purpose: This SAFO provides information to operators of Boeing airplanes regarding potentially incorrect takeoff and/or landing calculations when using OPT v4.70 for iOS.

Background: On February 5, 2022, at 0051 GMT, Boeing issued a "Multi Operator Message" (MOM), number MOM-MOM-22-0075-01B, for two issues identified with OPT v4.70 for iOS Devices.

Discussion: Boeing describes the first issue as:

> If the Landing airport has already been selected, and the pilot then selects the "ARPT Info" button, from either the "TKO Dispatch" or "TKO All Engine" screen, then performs a landing calculation, the application inadvertently uses the distance and other parameters from the selected takeoff airport runway, rather than the destination landing runway. This landing calculation error does not occur if the ARPT Info page is not viewed from either TKO page after the landing airport has been selected.

Boeing describes the second issue as:

> The second issue involves the use of the INTX button on the Takeoff Page, in which case the results from an intersection calculation use the full runway length rather than the shortened length. This may occur when the application is closed by the Operating System (OS), with the expected behavior that the inputs will be restored. Following a relaunch of the OPT application and performing a new calculation, the INTX input button still shows the same intersection that was selected prior to the relaunch. However, after the new calculation is executed, the displayed results correspond to the FULL runway length. The output RWY/INTX labels also correspond to the full runway. Deselecting and reselecting the INTX will result in correct intersection takeoff results.

Both issues could result in the flight crew being presented with the wrong runway length available for the intended operation. Boeing has provided recommended actions within the MOM for flight crews to obtain

correct information within OPT v4.70 for iOS. Boeing has also issued OPT v4.72 to correct the identified issues.

Recommended Action:

1. Operators using OPT for iOS should obtain a copy of the applicable MOM and any subsequent communications from Boeing regarding this issue.

2. Operators should identify and verify the OPT software version on any electronic flight bags (EFB) hosting OPT for iOS software and take any necessary corrective measures, as identified in the applicable MOM.

Contact: Direct questions or comments regarding this SAFO to the Flight Technologies and Procedures Division's Flight Operations Group at (202) 267-8790 or e-mail: OperationalSafety@faa.gov.