



SAIB: NM-10-13

Date: January 7, 2010

SUBJ: Navigation: Flight Management System

This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) advises registered owners and operators of the transmission of incorrect information from the Honeywell NZ-2000 and FMZ-2000/IC-615/IC-800/IC-1080 Primus Epic Flight Management System (FMS) software having the part numbers (P/Ns) identified below:

P/N 7018879-01001, -01002, -02003 through -02007 inclusive, -02010, -02017, -03008, -03012, -03014, -03016, -03018, -03020, -03022, -03024, -03026, -03028, -03030, -10000, -11009, -11015, -11019, -11021, -11023; P/N 7017000-21XXX, -94XXX, -95XXX, -98XXX, -99XXX; P/N 7017300-01XXX, -11XXX, -21XXX, -31XXX, -41XXX, -43XXX, -45XXX.

Software with the part numbers identified above may have been installed on, but are not limited to, the following airplane models:

AIRPLANE MODELS
ATR – GIE Avions de Transport Régional Model ATR42 airplanes
Cessna Aircraft Company Model 500, 501, 550, S550, 551, 552, 560, and 560XL airplanes
Cessna Aircraft Company Model 650 and 750 airplanes
Bombardier, Inc. Model CL-600-1A11 (CL-600), CL-600-2A12 (CL-601), CL-600-2B16 (CL-601-3A, CL-601-3R, and CL-604 Variants) airplanes
Dassault-Aviation Model Mystere-Falcon 20-C5, 20-D5, 20-E5, and 20-F5 airplanes; Model Mystere-Falcon 50, and Model Falcon 2000EX airplanes
Empresa Brasileira de Aeronautica S.A. (EMBRAER) Model EMB-135 and EMB-145 airplanes
Empresa Brasileira de Aeronautica S.A. (EMBRAER) Model ERJ 170 and ERJ 190 airplanes
Gulfstream Aerospace Corporation Model G-1159, G-1159A, G-1159B, G-IV, GIV-X, GV, and GV-SP airplanes
Hawker Beechcraft Corporation (Type Certificate Previously Held by Raytheon Aircraft Company) Model 4000 airplanes
Lockheed Martin Corporation/Lockheed Martin Aeronautics Company Model 382G airplanes
The Boeing Company Model 727 airplanes

Background

During an RNAV approach, an airplane programmed with NZ-2000 FMS software (version 5.2) flew the WATTS THREE ARRIVAL (RNAV) Standard Terminal Arrival Route (STAR). A different runway was selected in the FMS during the STAR, and resulted in the FMS navigating the airplane toward the initial STAR waypoint instead of the next sequential STAR waypoint. As a result of this incident, Honeywell International Inc. issued Service Information Letter, D200908000055, dated October 15, 2009, to provide operators with guidelines for flight plan modifications made on the ARRIVAL page, including a destination runway change. At this time, the airworthiness concern is not an unsafe condition that would warrant airworthiness directive (AD) action under Title 14 of the Code of Federal Aviation Regulations (14 CFR) part 39.

Recommendations

The FAA recommends that all owners and operators of the airplanes listed above ensure their flight crews are familiar with the procedures outlined in Honeywell Service Information Letter, D200908000055, dated October 15, 2009.

For Further Information Contact

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