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SERVICE INFORMATION LETTER

PRIMUS EPIC and PRIMUS Apex Flight Management System (FMS), Agusta AW-139 Phase 5 Software, PN EB7030191-00107, and Phase 6 Software, PN EB7030191-00108, Cessna Sovereign Phase 5 Software, PN EB7031847-00111, Embraer 170, PS7027709-00127 and PN PS7027709-00129, Embraer 190, PN PS7027709-00214 and PN PS7027709-00217, with Load 23.1 and 23.2, Gulfstream G450, PN EB7031236-00414, G550, PN EB7031236-00319, and PN EB7031236-00320, with Certification Foxtrot, PC-12/47E Build 6.2 Software, PN EB7037248-00103, Viking DHC6-400, PN EB7032889-00101; Reduction of Navigation Database Procedures Content due to Possible LNAV Display/Guidance Issue

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SERVICE INFORMATION LETTER

Transmittal Information

Publication Number D201011000003

Summary

This is the INITIAL release.

Revision History

This service information letter has had no revision(s) as shown in Table 1.

Table 1. Revision History

Revision Number	Revision Date
0	9 Nov 2010

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SERVICE INFORMATION LETTER

1. General Information

A. Effectivity

WARNING: FAILURE TO COMPLY WITH THIS SERVICE INFORMATION LETTER MAY RESULT IN INCORRECT GUIDANCE, WHICH COULD LEAD TO A HAZARD TO THE AIRCRAFT, CREW, AND PASSENGERS.

CAUTION: SOME SIDS, STARS, AND APPROACHES ARE NOT IN THE DATABASE DUE TO LIMITATIONS OF THE FMS. ADDITIONAL PROCEDURES HAVE BEEN REMOVED TO ADDRESS THE ANOMALY DISCUSSED IN THIS SERVICE INFORMATION LETTER. THE FLIGHT CREW SHOULD TAKE EXTRA CAUTION TO VERIFY DATABASE CONTENT DURING FLIGHT PLANNING.

- (1) This service information letter is applicable to the PRIMUS EPIC and PRIMUS Apex FMS units identified below:
- Agusta AW-139 Phase 5 software, PN EB7030191-00107, and Phase 6 software, PN EB7030191-00108
 - Cessna Sovereign Phase 5 software, PN EB7031847-00111
 - Embraer 170, PS7027709-00127 and PN PS7027709-00129 with Load 23.1 and 23.2
 - Embraer 190, PS7027709-00214 and PN PS7027709-00217 with Load 23.1 and 23.2
 - Gulfstream G450, PN EB7031236-00414, G550, PN EB7031236-00319, and PN EB7031236-00320, with certification Foxtrot.
 - PC-12/47E Build 6.2 software, PN EB7037248-00103
 - Viking DHC6-400, PN EB7032889-00101.

B. Purpose

- (1) The purpose of this service information letter is to advise all affected operators of the FMS units identified in Paragraph 1.A.(1) of a safety issue that may occur with certain terminal area procedures.
- (2) Only top level operational software listed in the part number field of this service information letter are affected by this issue. The software part number can be obtained from the system configuration page on the multifunction display (MFD).
- (3) The software anomaly only applies to the listed part numbers and has been fixed in the next certified PRIMUS EPIC and PRIMUS Apex software load.

C. Background

- (1) Honeywell recently discovered a software anomaly in which the FMS may command a turn inconsistent with a published terminal area procedure.
- (2) The anomaly may occur with:
- Procedures containing arc legs
 - Procedures containing a course change near 180 degrees or more. This excludes holding patterns and procedure turns, which are flown correctly.

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- (4) For more information regarding this service information letter, please contact your local Honeywell Field Service Engineer or contact the Honeywell Global Technical Operations Center at 800-601-3099 (602-365-3099 International).