EASA Safety Information Bulletin

SIB No.: 2009-25
Issued: 10 August 2009

Subject: **EMBRAER EMB-135 and EMB-145 Series Aeroplanes – Windows^{TM} version of Personal Computer Memory Access (PCMA) Software on the AH-800 Attitude & Heading Reference System (AHRS)**

Ref. Publication: EMBRAER Service News Letter (SNL) 145-34-0054, Change No.: 01 dated 14 April 2009.

Description: EMBRAER published the referenced SNL (which is attached as page 3 of this SIB) to announce the availability of the latest PCMA Software, a ground support tool which is used to access and edit installation parameters of the AH-800.

Analysis of reported occurrences showed that the possibility exists to incorrectly configure the AHRS regarding the location of installation of the unit on the aeroplane. Although the chance of such an event appears to be remote, failure to correctly configure the AHRS could lead to an inverted attitude display, possibly resulting in loss of control of the aeroplane.

To address this problem, EMBRAER has developed and published a special maintenance task in the Aircraft Maintenance Manual and published the referenced SNL.

At this time, this airworthiness concern is not considered an unsafe condition that would warrant the issuance of an airworthiness directive.

Recommendation: EASA recommends using the software as indicated in the referenced SNL, which eliminates the root cause for potential inversion of the attitude display.

Applicability: EMBRAER EMB-135 and EMB-145 aeroplanes, all models, all serial numbers, if fitted with the AH-800 AHRS.

This is information only. Recommendations are not mandatory.

Contacts: For further general information, contact the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA.
E-mail: ADs@easa.europa.eu.

For further technical information, contact the EMBRAER Continued Airworthiness Group:
E-mail continued.airworthiness@embraer.com.br

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SERVICE NEWSLETTER

SUBJECT: NEW WINDOWS^{TM} VERSION FOR AHRS 800 PCMA (PERSONAL COMPUTER MEMORY ACCESS) SOFTWARE

APPLICABILITY: To all the EMB-145 family aircraft in operation equipped with Honeywell AHRS 800.

VALIDITY: This SNL remains valid until it is superseded or cancelled by a subsequent revision.

SCOPE: To inform the operators about the availability of New WINDOWS^{TM} Version of AHRS PCMA software.

DESCRIPTION

The purpose of this Service News Letter is to announce the availability of the new version of AHRS PCMA software based on WINDOWS^{TM} platform.

This new version is split into two packages:

- Flux Valve Calibration Software PN:60000021-101, which can be obtained by ordering media part number TM60000024-001.

- Configuration Programming Software PN:60000022-101, which can be obtained by ordering media part number TM60000025-001.

Both software packages run on the following WINDOWS^{TM} Operational Systems versions: NT, 98, 2000, XP or VISTA.

This software must be ordered directly from Honeywell. EMBRAER does not supply this item as spare.

All requests/inquiries for Honeywell product software should be faxed to:

Honeywell Intl Inc
Software Distribution
M/S 2H24A4
2111 N 19th Avenue
Phoenix, Arizona 85027
USA
Email: cas-software-distribution@honeywell.com
Fax: 602-436-1500

For further information consult Honeywell Service Information Letter D200811000032.

Note: The old version PN:26018802-101 based on DOS Operational System remains valid.