

SERVICE INFORMATION LETTER

SIL IDU-III-039

22 Mar 2017

Subject: **TAWS PDA Anomaly**

This Service Information Letter (SIL) affects all IDU-III (PN 401-045500-XXXX) operating with Electronic Flight Information System (EFIS) Software Version 7.0E and prior.

It has been determined that all EFIS software versions at 7.0E or prior released for the Integrated Display Units (IDU) listed above do not meet certain Premature Descent Alert (PDA) conditions for the Terrain Awareness Warning System (TAWS) approval under Technical Standard Order (TSO) C151b and C151c, Appendix A, Section 3.2(a). This SIL is issued to notify all operators of the condition, operational modification, and resolution.

Current EFIS software versions are using the nearest runway from the Jeppesen Navigation Database to determine when the PDA function is disabled instead of using only the active arrival runway in the flight plan. When operating an aircraft below the Final Approach Fix (FAF) altitude and within 2 NM of any designated runway, helipad, or User Waypoints with an approach bearing, the EFIS will disable the PDA caution and warning alerts. In this instance, the aircraft operator will not receive the audio callouts, however the MAP page on the Multi-Function Display (MFD) will still indicate threatening terrain colors.

Operators should be aware of this condition as it may disable the PDA callout even though the aircraft is more than 2 NM from the end of the active runway. Operators should ensure that they have adequate external visual awareness and/or follow the guidance of the EFIS for the remainder of the approach procedure to maintain terrain separation.

This anomaly will be corrected with the release of EFIS Software Version 8.0F or later. Operators should stay in contact with the aircraft manufacturer, authorized Genesys Dealer, or the Genesys Aerosystems web site at www.genesys-aerosystems.com for further information on when the next release of software is available.

Regards,



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