

Navigation Database Alert

Date: November 16, 2023

Effectivity:	Product	LRU P/N	Software Application
	IDU-III	401-045500-XXXX	5.0C or later
	IDU-450	42-024001-XXXX	7.0A or later
	IDU-680P	42-006001-XXXX	8.0A or later

Subject: Invalid VNAV Altitude during RNAV Approach in Cycle 2310

In Cycle 2310, Genesys Aerosystems has discovered an issue with certain RNAV procedures whose Glide Path Intercept Point (GPIP) altitude is calculated to be exactly at sea level after application of the Earth Geoidal Model. As a result, the FMS considers the GPIP altitude to be invalid. This can lead to the following issues:

1. GPIP Altitude may not be displayed in the ACTV menu.
2. Vertical guidance after FAF may not be consistent with what's found on the approach plate.
3. VNAV may be downgraded to barometric (VNV-B).

DO NOT USE THESE RNAV PROCEDURES IN CYCLE 2310 OR ANY LATER CYCLES UNTIL THE ISSUES ARE FULLY RESOLVED. ALWAYS ADHERE TO THE PUBLISHED NAVIGATIONAL INSTRUMENT PROCEDURES AND NAVIGATIONAL CHARTS IN ALL FLIGHT CONDITIONS.

Affected RNAV approach procedures are listed below:

Airport ICAO ID	ICAO Region Code	Airport Name	RNAV Procedure
EDWE	ED	EMDEN	R07-Y
EDWE	ED	EMDEN	R07-Z
EDWE	ED	EMDEN	R25-Y
EDWE	ED	EMDEN	R25-Z
KMSY	K4	ARMSTRONG NEW ORLEANS INTL	R20-Y

Genesys Aerosystems is taking action to correct these issues in future Navigation Database cycles. If you have any questions concerning this database alert, please contact Genesys Aerosystems at genesysupport@genesys-aerosystems.com or (817) 215-7600.