OPERATOR BULLETIN

To: All Trio Pro Pilot Autopilot users interfacing with an ASPEN

Pro Max or E5 Electronic Flight Instrument System.

From: The STC Group LLC

FLYING GPS RNAV APPROACHES
WHEN USING ASPEN PASS THROUGH DATA

Overview

Thank you for your purchase of a Trio Pro Pilot autopilot.

This Operator Bulletin is intended to provide background information regarding an issue with the vertical performance of the Trio Pro Pilot autopilot when making a GPS RNAV approach (LPV or LNAV) using ARINC 429 pass through data provided by an Aspen E5 or ProMax EFIS.

Details

The Trio Pro Pilot is designed to use ARINC 429 data during a GPS RNAV approach either directly from the GPS Navigator or from the Aspen ProMax or E5 EFIS systems. In all cases the ARINC 429 data used in the approach originates in the GPS navigator. A selector switch installed under the STC selects either the GPS approach data directly from the GPS, or the pass through data from the EFIS system.

The STC Group LLC has confirmed that in some installations selection of the EFIS ARINC 429 pass through data results in hunting when tracking the virtual glideslope. Using the GPS data direct as the ARINC data source during approaches eliminates this issue. This has only been experienced with Aspen Pro Max SW Version 2.11 and later and Aspen E5 SW Version 2.12 and later EFIS units and not with all installations.

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Remedy

Trio Avionics, manufacturer of the Trio Pro Pilot, is actively working to address this issue. In the interim, operators using an Aspen Pro Max or E5 EFIS should select GPS direct data when flying a GPS RNAV approach.

We apologize for any inconvenience this may cause.

