



**SUBJ:** Navigation: Flight Management Computing Software  
*This is information only. Recommendations aren't mandatory.*

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## **Introduction**

This Special Airworthiness Information Bulletin is to inform owners and operators of an issue that may cause certain types versions of the **Rockwell Collins Pro Line 4 and Pro Line 21 Flight Management Systems (FMS)** to direct the airplane to make a wrong turn direction when deleting a waypoint.

### **Pro Line 4/21**

<b>Equipment Type</b>	<b>Versions</b>
FMC-3000	99 through 3.2
FMC-4200	97 through 3.2
FMC-5000	97 through 3.2
FMC-6000	97 through 3.2

At this time, the airworthiness concern is not an unsafe condition that would warrant airworthiness directive (AD) action under Title 14 of the Code of Federal Regulations (14 CFR) part 39.

## **Background**

In the above referenced configurations, if the crew uses “DELETE” to remove a waypoint in a departure, Standard Terminal Arrival Routes (STAR), or approach, it is possible for the FMS to make the longest turn (more 180° of turn) onto the following leg. This can occur if, for the waypoint being deleted, both of the following are true:

- The following leg is Track-to-Fix (TF), and the database codes a required turn direction for turning onto the TF, and
- After the deletion, the shortest turn is a different direction than when turning from the original, deleted waypoint

This potentially can occur in procedures with a turn in either direction, left or right.

## **Recommendations**

The FAA recommends to NOT use DELETE selection. Use an alternative method to delete waypoints on the CDU LEGS page. Refer to Rockwell Collins Operators Bulletin OPSB 0057-05R2 for further information.

## **For Further Information Contact**

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**For Related Service Information Contact**

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