

5/6/2022

**FOR YOUR INFORMATION**

2022-49/10-2

1887709

To: FAA (AFS-200)

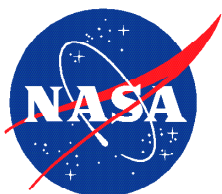
Info: FAA (AVP-1, AVP-200, AIR-130, AFS-260, ANG-1, AFS-100, AFS-900, AJV-A, ANM-100, ATM C90 TRACON), A4A, AIA, ALPA, APA, ASAP, ATSG, CAPA, IATA, IBT, ICAO, ICASS, IFALPA, IPA, NATA, NBAA, NTSB, RAA, SWAPA, TWU

From: Becky L. Hooey, Director  
NASA Aviation Safety Reporting System

Re: FMS Anomalies at PEKUE on the ORD7 Departure

We recently received ASRS reports describing a safety concern that may involve your area of operational responsibility. We do not have sufficient details to assess either the factual accuracy or possible gravity of the report. It is our policy to relay the reported information to the appropriate authority for evaluation and any necessary follow-up. We feel you should be aware of the enclosed deidentified report.

To properly assess the usefulness of our alert message service, we would appreciate it if you would take the time to give us your feedback on the value of the information that we have provided. Please contact Dr. Becky Hooey at (408) 541-2854 or email at [becky.l.hooey@nasa.gov](mailto:becky.l.hooey@nasa.gov).



Aviation Safety Reporting System  
P.O. Box 189 | Moffett Field, CA | 94035-0189



## ACN 1887709

### DATE / TIME

Date of Occurrence 202203  
Local Time Of Day 1201 to 1800

### PLACE

Locale C90.TRACON  
State IL

### ENVIRONMENT

Flight Conditions VMC

### AIRCRAFT / EQUIPMENT X

ATC / Advisory - TRACON C90  
Make Model Name Commercial Fixed Wing  
Operating Under FAR Part 121

### COMPONENT 1

Aircraft Component FMS/FMC

### PERSON 1

Function - Flight Crew Captain  
Function - Flight Crew Pilot Not Flying  
ASRS Report Number 1887709

### EVENTS

Anomaly Aircraft Equipment Problem - Less Severe  
Anomaly Deviation - Track / Heading - All Types  
Anomaly Deviation / Discrepancy - Procedural - Clearance  
Anomaly Deviation / Discrepancy - Procedural - Published  
Material / Policy  
Detector - Person Flight Crew  
Result - Flight Crew Overcame Equipment Problem  
Result - Flight Crew Returned To Clearance

### NARRATIVE 1

Flying the ORD7 departure, PEKUE fix, the FMS had PEKUE loaded twice. We did not catch it on the route briefing. We got to PEKUE and the aircraft tried to make a right turn to circle over PEKUE again. We caught it and the First Officer quickly TCS'd to stay on course until I could fix the FMS. ATC did not say anything to us.

This issue happened the last time I flew the ORD7 to a different fix. We luckily caught it in the route briefing. My suggestion is do not load the ORD7 into the FMS. There is no need as this departure is strictly radar vectors. There are no RNAV tracks anywhere on this departure either. Loading it into the FMS does absolutely nothing. The initial fix is part of the flight plan, and the departure itself is not even listed on the release. There is a glitch in our FMS database that's allowing this to happen. We did not change departure runways or anything that would've caused this.

### SYNOPSIS

Pilot reported they got to PEKUE and the aircraft tried to make a right turn to circle over PEKUE, which was not correct. Pilot reported this issue happened the last time they flew the ORD7 to a different fix.