

9/27/2023

FOR YOUR INFORMATION

2023-150/4-2

To: Airport Manager, Portland Int'l, (PDX), OR, FAA (AAS-1, ATM PDX Tower,
ATM P80 TRACON)

2027831

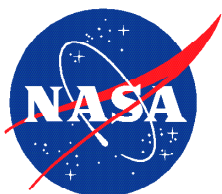
Info: FAA (AVP-1, AVP-200, AFS-260, AFS-200, ANM-600, Director of Air Traffic
Operations WSA), A4A, ALPA, AMFA, APA, ASAP, ATSG, CAPA, IAM, IATA, ICASS,
IFALPA, IPA, NTSB, PAMA, TWU

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

Re: PDX Runway 28L Localizer Anomaly

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.



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



ACN 2027831

DATE / TIME

Date of Occurrence 202308
Local Time Of Day 0001 to 0600

PLACE

Locale PDX.Tower
State OR
Altitude - MSL 2500

AIRCRAFT / EQUIPMENT X

ATC / Advisory - Tower PDX
Make Model Name Commercial Fixed Wing
Operating Under FAR Part 121

PERSON 1

Function - Flight Crew Captain
Function - Flight Crew Pilot Not Flying
ASRS Report Number 2027831

EVENTS

Anomaly ATC Issue - All Types
Anomaly Deviation - Altitude - Overshoot
Anomaly Deviation / Discrepancy - Procedural - Published
Material / Policy
Anomaly Ground Event / Encounter - Ground Equipment Issue
Anomaly Inflight Event / Encounter - Other / Unknown
Detector - Person Flight Crew
Result - General Maintenance Action
Result - Flight Crew FLC Override Automation
Result - Flight Crew Regained Aircraft Control

NARRATIVE 1

We had another glideslope anomaly on Runway 28L in PDX today. Same as prior incidents, as it captured the glide slope, it pitched down rather suddenly below the glideslope. I immediately recognized the situation and told my First Officer who was flying to click off the autopilot. Without delay he smoothly returned us to the glideslope. No further incident. I didn't quite catch what it was but at one point one of the FMA's had a horizontal yellow line through it. I wrote it up just in case it was an AC issue but Maintenance ran a quick test and it came back as a flag on the localizer beam. It might be good to add a note in the company pages as a heads up.

SYNOPSIS

Air carrier captain reported the autopilot suddenly pitched down after capturing the glideslope for Runway 28L at PDX. The pilot flying disconnected the AP and manually completed the approach. Upon further review it was discovered that the error was in the localizer signal.