

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
PAFA	FAIRBANKS	AK	8	15 JUNE 2023

TAKEOFF MINIMUMS:

RWY 2, 2W, 20, 20W: NA - ENVIRONMENTAL.
RWY 20L, 20R: STANDARD.
RWY 2L: STANDARD WITH MINIMUM CLIMB OF 290 FT/NM TO 2100.
RWY 2R: STANDARD WITH MINIMUM CLIMB OF 250 FT/NM TO 1900.

TEXTUAL DEPARTURE PROCEDURES:

RWY 2L: CLIMB ON HEADING 023.05 TO 2000 BEFORE TURNING LEFT.
RWY 2R: CLIMB ON HEADING 023.06 TO 2000 BEFORE TURNING LEFT.
RWY 20L: CLIMB ON HEADING 203.07 TO 2000 BEFORE TURNING RIGHT.
RWY 20R: CLIMB ON HEADING 203.08 TO 2000 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 20L: TREE, SIGN BEGINNING 21 FT FROM DER, 249 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/470 FT MSL.
CATENARY WIRES, TRANSMISSION LINES, POLES AND TREE BEGINNING 268 FT FROM DER, 546 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/465 FT MSL.
TREES BEGINNING 292 FT FROM DER, 470 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/501 FT MSL.
TREE 871 FT FROM DER, 696 FT LEFT OF CENTERLINE, 476 FT MSL.
TREE 1026 FT FROM DER, 721 FT LEFT OF CENTERLINE, 46 FT AGL/478 FT MSL.
TREES BEGINNING 1075 FT FROM DER, 701 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/480 FT MSL.
TREE 1838 FT FROM DER, 607 FT LEFT OF CENTERLINE, 55 FT AGL/485 FT MSL.
TREES BEGINNING 1895 FT FROM DER, 130 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/492 FT MSL.

NOTE: RWY 20R: BUILDING, NAVAID BEGINNING 6 FT FROM DER, 65 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/447 FT MSL.
TREE 1093 FT FROM DER, 785 FT LEFT OF CENTERLINE, 44 FT AGL/473 FT MSL.
TREES BEGINNING 1127 FT FROM DER, 789 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/483 FT MSL.
TREE 1656 FT FROM DER, 943 FT LEFT OF CENTERLINE, 61 FT AGL/489 FT MSL.
TREES BEGINNING 1798 FT FROM DER, 716 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/492 FT MSL.

CONTROLLING OBSTACLES:

RWY 2L: 1720 FT MSL AAO 645512.38N/1474435.15W.
RWY 2R: 1720 FT MSL AAO 645512.38N/1474435.15W.
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 2L, 2R: 2517 FT MSL AAO 645245.00N/1480318.00W, RWY 20L, 20R: 1697 FT MSL AAO 644800.00N/1480054.00W.

REMARKS:

ATC JUSTIFICATION REQUESTING TO OPT-OUT OF PUBLISHING A VCOA IS ON FILE.
60' VEGETATION APPLIED.
RWY 2/20 GRAVEL RUNWAY.
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT FOR ALL RUNWAYS ARE BASED ON DTED.

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
JEREMY C LEIGHTON	ERIC N SUSKI	FPO	04/03/2023	
	Apr 06, 2023			
<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
FRANK JACKSON JR	FRANK JACKSON	AJV-A431	12/21/2022	
	Feb 28, 2023			
<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JOHNNIE BAKER III	ERIC N SUSKI	AJV-A430		MANAGER
	Mar 02, 2023			

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒

OTHER:

ZAN, FAI APP CON, FAI ATCT, AMGR



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CHANGES - REASONS:

1. UPDATED TAKEOFF MINIMUMS FOR RWY 2L FROM "STANDARD WITH MINIMUM CLIMB OF 232 FT PER NM TO 2000" TO "STANDARD WITH MINIMUM CLIMB OF 290 FT/NM TO 2100" - UPDATED OBSTACLE DATABASE AND MAP STUDY.
2. UPDATED TAKEOFF MINIMUMS FOR RWY 2R FROM "STANDARD" TO "STANDARD WITH MINIMUM CLIMB OF 250 FT/NM TO 1900" - UPDATED OBSTACLE SURVEY AND MAP STUDY.
3. UPDATED TEXTUAL DEPARTURE PROCEDURE FOR RWY 2L FROM "CLIMB ON HEADING 040.00 TO 2000 BEFORE TURNING LEFT" TO "CLIMB ON HEADING 023.05 TO 2000 BEFORE TURNING LEFT" - IAW 8260.3E, PARA 13-3-1 ICA MUST BE AT LEAST 2 NM.
4. UPDATED TEXTUAL DEPARTURE PROCEDURE FOR RWY 2R FROM "CLIMB ON HEADING 040.00 TO 2000 BEFORE TURNING LEFT" TO "CLIMB ON HEADING 023.06 TO 2000 BEFORE TURNING LEFT" - OFFSET ICA NOT APPLIED AS COORDINATED WITH ATC.
5. CHANGED TEXTUAL DEPARTURE PROCEDURE FOR RWY 20L FROM "CLIMB ON HEADING 203.08 TO 2000 BEFORE TURNING RIGHT" TO "CLIMB ON HEADING 203.07 TO 2000 BEFORE TURNING RIGHT" - UPDATED RUNWAY SURVEY.
6. UPDATED TAKEOFF OBSTACLE NOTE FOR RWY 2L OBSTACLE DESCRIPTION FROM "CATENARY" TO "CATENARY WIRES" - UPDATED SURVEY AND OBSTACLE DATABASE SYNTAX.
7. UPDATED TAKEOFF OBSTACLE NOTE FOR RWY 2R, DELETED FENCE 63 FT FROM DER, 449 FT LEFT OF CENTERLINE, 8 FT AGL/436 FT MSL - NEW SURVEY COMPLETED IN 2021, AFTER LAST AMDT.
8. UPDATED TAKEOFF OBSTACLE NOTE FOR RWY 20L, DELETED ELECTRICAL SYSTEM 9 FT FROM DER, 29 FT RIGHT OF CENTERLINE, 1 FT AGL/434 FT MSL, ELECTRICAL SYSTEM 9 FT FROM DER, 30 FT LEFT OF CENTERLINE, 1 FT AGL/434 FT MSL AND SIGN 50 FT FROM DER, 457 FT LEFT OF CENTERLINE, 4 FT AGL/435 FT MSL AND CHANGED OBSTACLE DESCRIPTION FOR "CATENARY" TO "CATENARY WIRES" - NEW SURVEY COMPLETED IN 2021, AFTER LAST AMDT.
9. UPDATED TAKEOFF OBSTACLE NOTE FOR RWY 20R, DELETED LIGHTING 9 FT FROM DER, 64 FT LEFT OF CENTERLINE, 436 FT MSL - NEW SURVEY COMPLETED IN 2021, AFTER LAST AMDT.
10. UPDATED CONTROLLING OBSTACLE FOR RWY 2L/R FROM "1600 FT MSL AAO 645456.00N/1474057.00W (CLIMB-TO ALTITUDE) AND 1550 FT MSL AAO 645510.11N/1474252.99W (CLIMB GRADIENT)" TO "1720 FT MSL AAO 645512.38N/1474435.15W - NEW OBSTACLE SURVEY AND MAP STUDY.
11. DELETED REMARK MAGVAR 15E DERIVED FROM 2025 EPOCH YEAR CAT II/III ILS TABLE - IAW MEMORANDUM DATED JULY 15 2022, SUBJECT: MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES.
12. ADDED REMARKS: 60' VEGETATION APPLIED, RWY 2/20 GRAVEL RUNWAY AND OBSTACLE MANDATING ODP ROUTE DEVELOPMENT FOR ALL RUNWAYS ARE BASED ON DTED - PROCEDURE DEVELOPMENT HISTORICAL DATA.

