

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> PFSH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> SHAKTOOLIK	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 24	<u>TDZE</u> 24	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 08/15/2019	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 237/30 CW 057/30	NOPT	237/8 CW 057/8		5000
2. 237/8 CW 057/8		FANUB	IF/IAF	3500
3. 057/30 CW 147/30		WOLIG	IAF	3500
4. 147/30 CW 237/30		HEBDU	IAF	6000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WOLIG	IAF	FANUB	NOPT	TF	FB	1.00	056.58	9.00	3500
HEBDU	IAF	FANUB	NOPT	TF	FB	1.00	237.15	9.00	3500
FANUB	IF/IAF	PARZY		TF	FB	1.00	326.86	6.30	2000
PARZY	FAF	RW33	MAP	TF	FO	0.30	326.78	6.08	
RW33	MAP	424 MSL		CA			326.78		
424 MSL		MEALT		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT MEALT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE FANUB, RT, 326.86 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 326.78FAF: PARZYDIST FAF TO MAP: 6.08DIST FAF TO THLD: 6.08

4. MIN ALT: FANUB 3500, PARZY 2000

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS CLEAR20:1: IS CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE UNALAKLEET ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LNAV CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 146.52 INBOUND.
CHART FAS OBST: 178 WINDMILL (02-020250) 642137N/1611207W.
CHART VDP AT 1.22 NM TO RW33.
CHART CIRCLING ICON.
PARZY TO RW33: 3.00/40.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	440	1	416	440	1	416	440	1 1/8	416	440	1 1/8	416			
CIRCLING	480	1	456	480	1	456	480	1 1/2	456	740	2 1/4	716			



CHANGES - REASONS

1. CHANGED CA ALTITUDE FROM "274 MSL" TO "424 MSL" - DELETED LPV AND LNAV/VNAV LINES OF MINIMUMS.
2. DELETED LPV AND LNAV/VNAV LINE OF MINIMUMS AND ALL ASSOCIATED NOTES - FLIGHT CHECK DISAPPROVED LPV AND LNAV/VNAV MINIMUMS DUE TO THE LACK OF RUNWAY MARKINGS (GRAVEL RUNWAY) IN 2019.
3. DELETED FROM LINE 5 250 HAT: 0.66 - DELETED LPV MINIMUMS.
4. DELETED FROM LINE 6 MIN GP INCPT: 2000 AND GP ALT AT PFAF: PARZY 2000 - DELETED VERTICALLY GUIDED MINIMUMS.
5. DELETED FROM LINE 7 GP ANGLE: 3.00 AND TCH: 40.0 - REMOVED VERTICALLY GUIDED MINIMUMS.
6. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19, PARA 8-6-8 B.
7. UPDATED BACK-UP ALTIMETER FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE UNALAKLEET ALTIMETER SETTING AND INCREASE ALL DA 72 FEET AND ALL MDA 80 FEET AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 SM AND LNAV CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE UNALAKLEET ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LNAV CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 SM" - DELETED LPV AND LNAV/VNAV MINIMUMS.
8. ADDED OBSTACLE ID (02-020250) TO FAS OBSTACLE - IAW 8260.19, PARA 8-6-10 C.
9. DELETED FROM ADDITIONAL FLIGHT DATA: *LNAV ONLY - DELETED LPV AND LNAV/VNAV MINIMUMS.
10. CHANGED CHART NOTE FROM "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" TO "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - DELETED APV MINIMUMS AND IAW 8260.19, PARA 8-6-9 M (2).
11. ADDED VDA NOTE: PARZY TO RW33: 3.00/40 - DELETED PRECISION MINIMUMS AND IAW 8260.19, PARA 8-6-10 O.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, AMGR

FLIGHT CHECKED BY
JEFFREY A FINDLEY

Digitally signed by
ERIC N SUSKI
Sep 13, 2022

OFFICE
FPO

DATE
09/09/2022

DEVELOPED BY
FRANK JACKSON JR

Digitally signed by
FRANK JACKSON
Jul 22, 2022

OFFICE
AJV-A431

DATE
06/30/2022

APPROVED BY
JOHNNIE BAKER

OFFICE
AJV-A430

DATE

TITLE
MANAGER

Digitally signed by
ERIC N SUSKI
Jul 27, 2022

