

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</u> SHAKTOOLIK	<u>AIRPORT ID</u> PFSH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> SHAKTOOLIK	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 24	<u>TDZE</u> 21	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 11/13/2014	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 057/30 CW 237/30	NOPT	057/7 CW 237/7		5500
2. 057/7 CW 237/7		MEALT	IF/IAF	3000
3. 237/30 CW 327/30		JITUR	IAF	5400
4. 237/30 CW 057/30		ISOTE	IAF	3400

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
JITUR	IAF	MEALT	NOPT	TF	FB	1.00	236.81	9.00	3000
ISOTE	IAF	MEALT	NOPT	TF	FB	1.00	056.23	9.00	3000
MEALT	IF/IAF	SEBKY		TF	FB	1.00	146.52	6.00	2500
SEBKY	FAF	DIEGG/2.50 NM TO RW15		TF	FB	0.30	146.60	5.17	
DIEGG/2.50 NM TO RW15		RW15	MAP	TF	FO	0.30	146.60	2.50	
RW15	MAP	271 MSL		CA			146.60		
271 MSL		FANUB		DF	FO	1.00			3500



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW15

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3500 DIRECT FANUB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2.	HOLD NW MEALT, RT, 146.52 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.							
3. FAC:	146.60	FAF: SEBKY	DIST FAF TO MAP: 7.67	DIST FAF TO THLD: 7.67				
4. MIN ALT:	MEALT 3000, SEBKY 2500, DIEGG/2.50 NM TO RW15 840*							
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.67	GS ANT:			
6. MIN GP INCPT: 2500	GP ALT AT FAF : SEBKY 2500			OM:	MM:	IM:		
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 40.0					
8. MSA FROM:								

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING UNALAKLEET ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE UNALAKLEET ALTIMETER
SETTING AND INCREASE ALL DA 72 FEET AND ALL MDA 80 FEET; INCREASE LNAV CATS C AND D VISIBILITY 1/8 SM, AND CIRCLING CAT D VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

699 AAO 642927.28N/1612313.86W
CHART CIRCLING ICON.
CHART VDP AT 0.93 NM TO RW15*
*LNAV ONLY
WAAS CHANNEL #63013
REFERENCE PATH ID: W15A
CHART FAS OBST: 54 TREE 642256N/1611333W.
HOLD SE, RT, 326.86 INBOUND
LTP HAE: 13 M



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
LPV DA	271	1	250	271	1	250	271	1	250	271	1	250			
LNAV/VNAV DA	271	1	250	271	1	250	271	1	250	271	1	250			
LNAV MDA	360	1	339	360	1	339	360	1	339	360	1	339			
CIRCLING	480	1	456	480	1	456	480	1 1/2	456	740	2 1/4	716			

CHANGES - REASONS

1. INCREASED ALL HEADINGS 4 DEGREES - MAGVAR CHANGE.
2. REMOVED STRAIGHT-IN PT REQUIRED TAA SEGMENT AND REPLACED WITH BASES AND ASSOCIATED IAF FIXES AND INITIAL SEGMENTS - ATC REQUEST FOR EASIER TURNS ONTO THE INTERMEDIATE SEGMENT.
3. RAISED MEALT ALTITUDE FROM 2500 TO 3000 - THE NEW PRECIPITOUS TERRAIN EVALUATION TOOL IN TARGETS IDENTIFIED PRECIPITOUS TERRAIN IN THE STRAIGHT-IN TAA STEPDOWN AREA, UNABLE TO USE MOUNTAINOUS TERRAIN REDUCTION.
4. REMOVED ADJUSTMENTS FOR LPV AND LNAV/VNAV AND CHANGED LNAV CAT C/D VISIBILITY ADJUSTMENT FROM 1/4 MILE TO 1/8 SM - NEW CALCULATIONS VIA THE VISI CHECK TOOL.
5. REMOVED CHART NOTES: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H.
6. ADDED CHARTING OF CIRCLING ICON - IAW 8260.19H, PARA 8-6-10T.
7. REFERENCE PATH ID CHANGED FROM W14A TO W15A IN ADDITIONAL FLIGHT DATA - RUNWAY NUMBER UPDATED.
8. FAS DATA BLOCK: CRC REMAINDER CHANGED FROM 0C069284 TO (CF60D6B0) - RECOMPUTED USING UPDATED RWY NUMBER, RUNWAY REFERENCE ID, AND FPAP LAT/LONG.

COORDINATED WITH:

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

Digitally signed by

FLIGHT CHECKED BY **DAVID DANNER**

DANIEL STRICKER Jun 05, 2019

OFFICE

FICO

DATE

4/16/19

DEVELOPED BY

DAVID DANNER (JOHN LINDSEY)

Digitally signed by

DAVID DANNER

Jun 05, 2019

OFFICE

AJV-A421

DATE

12/31/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

DAVID DANNER

Jun 05, 2019

OFFICE

AJV-A42

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PFSH
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	642234.1535N
LTP/FTP LONGITUDE	1611343.5515W
LTP/FTP ELLIPSOIDAL HEIGHT	+00130
FPAP LATITUDE	642111.9805N
FPAP LONGITUDE	1611225.7895W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	CF60D6B0
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00057
FPAP ORTHOMETRIC HEIGHT	+00057

