

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 33	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SHAKTOOLIK	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 24	<u>TDZE</u> 24	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 08/27/2009	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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. 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

<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>
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	274 MSL		CA			326.78		
274 MSL		MEALT		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT MEALT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



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. FAC: 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:250 HAT: 0.66GS ANT:

6. MIN GP INCPT: 2000GP ALT AT FAF : PARZY 2000OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 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.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: 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.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.22 NM TO RW33*
*LNAV ONLY
WAAS CHANNEL #69413
REFERENCE PATH ID: W33A
CHART FAS OBST: 178 WINDMILL 642137N/1611207W.
HOLD NW, RT, 146.52 INBOUND
LTP HAE: 14.8 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	274	1	250	274	1	250	274	1	250	274	1	250			
LNAV/VNAV DA	339	1	315	339	1	315	339	1	315	339	1	315			
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. INCREASED ALL HEADINGS 4 DEGREES - UPDATED AIRPORT MAGVAR.
- 2. ADDED ALTERNATE MINIMUMS - LOCAL WEATHER NOW AVAILABLE.
- 3. RAISED THE MISSED APPROACH CLEARANCE LIMIT ALTITUDE FROM 2500 TO 3000 - NEW OBSTACLE EVALUATION ON RNAV 15 IAP.
- 4. MOVED IAF'S FROM 5 NM TO IF/IAF TO 9 NM TO IF/IAF - FPT REQUEST TO LENGTHEN INITIALS.
- 5. RENAMED FIX CAQKU TO READ WOLIG AND FIX BEWEJ TO READ HEBDU - IAW 7400.2 PARA 3-3-4F.
- 6. REMOVED THE RIGHT BASE TAA STEPDOWN SEGMENT - PER FPT REQUEST. PREVIOUS ALTITUDE WAS ARTIFICIALLY HIGH PER ATC.
- 7. CHANGED CHART NOTE BARO-VNAV NA TO READ BARO-VNAV NA WHEN USING UNALAKLEET ALTIMETER SETTING - NEW LOCAL WEATHER.
- 8. RAISED THE STRAIGHT-IN OUTER TAA SEGMENT ALTITUDE FROM 4700 TO 5000 - UNABLE TO CONTINUE TO USE MOUNTAINOUS TERRAIN REDUCTION DUE TO NEW PRECIPITOUS TERRAIN EVALUATION TOOL DETERMINING THERE IS PRECIPITOUS TERRAIN IN THAT AREA.
- 9. LOWERED LPV MINIMUMS FROM 347-1 1/4-323 TO 274-1-250 - REMOVED RASS DUE TO LOCAL ALTIMETER SOURCE.
- 10. LOWERED LNAV/VNAV MINIMUMS FROM 493-1 3/4-469 TO 339-1-315 - REMOVED RASS DUE TO LOCAL ALTIMETER SOURCE.
- 11. LOWERED LNAV MDA FROM 540 TO 440 AND CAT C VISIBILITY FROM 1 1/2 TO 1 1/8 AND CAT D VISIBILITY FROM 1 3/4 TO 1 1/8 - REMOVED RASS DUE TO LOCAL ALTIMETER SOURCE.
- 12. LOWERED CIRCLING CAT A, B AND C MDA FROM 560 TO 480 - REMOVED RASS DUE TO LOCAL ALTIMETER SOURCE.
- 13. RAISED CIRCLING CAT D MINIMUMS FROM 580-2-556 TO 740-2 1/4-716 - NEW CONTROLLING OBSTACLE MATCHING RNAV (GPS) RWY 15 PROCEDURE MINIMUMS.
- 14. ADDED CHARTING OF VDP - NEW LOCAL ALTIMETER SOURCE.
- 15. ADDED CHART NOTE VDP NA WHEN USING UNALAKLEET ALTIMETER SETTING SOURCE - DUE TO NEW LOCAL ALTIMETER SETTING SOURCE.
- 16. CHANGED REMOTE ALTIMETER SETTING CHART NOTE TO INCLUDE ADJUSTMENTS - NEW LOCAL ALTIMETER SETTING SOURCE.
- 17. REMOVED CHART NOTES: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE - RNP APCH - IAW 8260.19H.
- 18. ADDED CHARTING OF CIRCLING ICON - IAW 8260.19H, PARA 8-6-10T.
- 19. REFERENCE PATH ID AMENDED FROM W32A TO W33A IN ADDITIONAL FLIGHT DATA - RUNWAY NUMBER UPDATED.
- 20. FAS DATA BLOCK: CRC REMAINDER CHANGED FROM BEC04197 TO FB3810AE - RECOMPUTED USING RWY NUMBER, RUNWAY REFERENCE ID, AND FPAP LAT/LONG.

COORDINATED WITH:

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

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

DAVID DANNER (JOHN LINDSEY)

OFFICE

AJV-A421

DATE

12/07/2018

APPROVED BY

JULIE MORGAN

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	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	642157.7215N
LTP/FTP LONGITUDE	1611309.0500W
LTP/FTP ELLIPSOIDAL HEIGHT	+00148
FPAP LATITUDE	642319.8835N
FPAP LONGITUDE	1611426.9125W
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	FB3810AE
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00074
FPAP ORTHOMETRIC HEIGHT	+00074



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT
SHAKTOOLIK

AIRPORT ID
PFSH

PROCEDURE NAME
RNAV (GPS) RWY 33

AMDT NO.
1

CITY
SHAKTOOLIK

STATE
AK

AIRPORT ELEVATION
24

FACILITY
RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
237/30 CW 057/30

TO
237/8 CW 057/8

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	641333.00N/1595542.00W	2976	164	98	4E	2000					5000
2.TERRAIN	641333.00N/1595542.00W	2776 (2800)								AS1500	4300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
237/8 CW 057/8

TO
FANUB

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TREE	641342.00N/1604506.00W	1741	250	125	4E	2000				MT-241	3500
4.TERRAIN	641003.00N/1604500.00W	1378 (1400)								AS1500	2900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



LEFT BASE AREA

FROM

057/30 CW 147/30

TO

WOLIG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.AAO	641136.00N/1605506.00W	1395	164	98	4E	2000				AT105	3500
6.TERRAIN	642954.00N/1612442.00W	1021 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

147/30 CW 237/30

TO

HEBDU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
7.AAO	643103.00N/1595248.00W	3626	164	98	4E	2000				AT374	6000
8.TERRAIN	643103.00N/1595248.00W	3426 (3400)								AS1500	4900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

WOLIG

TO

FANUB

<u>RNP</u>	<u>DISTANCE</u> 9.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9.AAO	640724.00N/1611848.00W		1201	164	98	4E	1000				AT1299	3500
10.TERRAIN	640724.00N/1611848.00W		1001 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

HEBDU

TO

FANUB

<u>RNP</u>	<u>DISTANCE</u> 9.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
11.AAO	641342.00N/1604506.00W		1841	164	98	4E	1000				AT659	3500
12.TERRAIN	641342.00N/1604506.00W		1641 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

FANUB (IF/IAF)

TO

PARZY

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	6.30											
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
13.AAO	641033.00N/1605636.00W	847	164	98	4E	500				AC98 SA-182 AT737	2000	
14.TERRAIN	641512.00N/1610024.00W	95 (100)								AS1500	1600	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

OBS #13 LIES 2200.6 FT INTO THE INTERMEDIATE SECONDARY AREA.

FINAL: LPV

FROM

PARZY

TO

RW33

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	6.08		DA	250								
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
							ASC			XP50	274	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

XP-50 - RWY DOES NOT MEET AC 150/5300-15A, TABLE 3-4 STANDARDS FOR RWY LENGTH, SURFACE TYPE, AND MARKINGS TO PUBLISH A HAT <250 FT.



FINAL: LNAV/VNAV

FROM

PARZY

TO

RW33

<u>RNP</u>	<u>DISTANCE</u> 6.08	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 315			<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
15.WINDMILL (02-020250)	642136.75N/1611207.32W		178	20	3	1A	161					339	

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

PARZY

TO

RW33

<u>RNP</u>	<u>DISTANCE</u> 6.08	<u>PAT</u>	<u>MAP</u> RW33	<u>HAT</u> 416			<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
15.WINDMILL (02-020250)	642136.75N/1611207.32W		178	20	3	1A	250				XL4	440	

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

FANUB

TO

P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
		P-5										
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
16.AAO	641303.00N/1605324.00W		1529	164	98	4E	1000				AT971	3500
17.TERRAIN	641303.00N/1605324.00W		1329 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LPV

FROM

DA

TO

MEALT

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
					87							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
18.AAO	642954.00N/1612442.00W		1221	164	98	4E	1000					2300
19.TERRAIN	642954.00N/1612442.00W		1021 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

MEALT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 178					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				3000
18.AAO	642954.00N/1612442.00W		1221	164	98	4E	1000					2300
19.TERRAIN	642954.00N/1612442.00W		1021 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW33

TO

MEALT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 336					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				3000
18.AAO	642954.00N/1612442.00W		1221	164	98	4E	1000					2300
19.TERRAIN	642954.00N/1612442.00W		1021 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
15.WINDMILL (02-020250)	642136.75N/1611207.32W	1.30	456	178	20	3	1A	300			480
CATEGORY B											
15.WINDMILL (02-020250)	642136.75N/1611207.32W	1.81	456	178	20	3	1A	300			480
CATEGORY C											
15.WINDMILL (02-020250)	642136.75N/1611207.32W	2.84	456	178	20	3	1A	300			480
CATEGORY D											
20.AAO	642445.15N/1610716.51W	3.70	716	374	250	50	4D	300		AC50	740

CIRCLING REMARKS:

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZAN ARTCC, OME FSS

<u>WX SERVICE</u> AWOS	<u>LOCATION</u> PFSH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PFSH	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS	<u>LOCATION</u> PAUN	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PAUN	<u>DISTANCE</u> 31.04	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 72

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
PFSH 24.4, PAUN 27.3
RA = 72.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW14 - MIRL (PCL)			
RW15 - MIRL (PCL)			
RW33 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)			

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 24.4	<u>TCH</u> 40.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 24.9
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -20C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -25C	<u>APT ISA</u> +14.95C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -40C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 955 HIGH TEMP 1260.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

GRAVEL RUNWAY MARKED WITH LIGHTS AND CONES

AVERAGE VEGETATION ASSUMED TO BE 30 FT PER FPT.

AVERAGE SHIP MAST HEIGHT ASSUMED TO BE 30 FT PER FPT.

PARALLEL TAXIWAY DOES NOT EXIST, VISIBILITY LIMITED TO 1 SM OR GREATER.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.17
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	337.78
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	72
DISTANCE FROM	THLD	TO 1500FT POINT	5.28
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.39
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	337.78
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	72

THRESHOLD
COORDINATES
(IF STR-IN)642157.72N/1611309.05W

ARP COORDINATES642215.90N/1611326.30W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 15 DISTANCE 0.33 NM

FAF
COORDINATES641621.31N/1610751.70W

FIX NAME
COORDINATES

REMARKS

TAA 30 NM FROM: FANUB (IF/IAF) 641032.41N/1610225.02W, HEBDU (IAF) 641354.01N/1604319.64W, WOLIG (IAF) 640708.33N/1612125.76W.



PART E: PREPARED BY

<u>NAME</u> DAVID DANNER (JOHN LINDSEY)	<u>OFFICE</u> AJV-A421	<u>DATE</u> 12/07/2018	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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