

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> SVA/PASA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> SAVOONGA	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 59	<u>TDZE</u> 58	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 07/11/2024
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 5E
				<u>EPOCH YEAR</u> 2025
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EEKAY		HABDI		TF	FB	1.00	075.52	23.41	3000
ITHOD	IAF	NADNY	NOPT	TF	FB	1.00	253.80	9.97	2000
HABDI	IAF	NADNY	NOPT	TF	FB	1.00	145.08	7.03	2000
NADNY	IF	REJXO		TF	FB	1.00	234.91	6.01	1400
REJXO	FAF	RW23	MAP	TF	FO	0.30	234.74	4.13	
RW23	MAP	510 MSL		CA			234.74		510
510 MSL		NADNY		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 510 THEN CLIMBING RIGHT TURN TO 2000 DIRECT NADNY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD NE NADNY, LT, 234.91 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 234.74

FAF: REJXO

DIST FAF TO MAP: 4.13

DIST FAF TO THLD: 4.13
4. MIN ALT: NADNY 2000, REJXO 1400
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 CLEAR

20:1: IS CLEAR

TCH:
8. MSA FROM: ARP PASA 3400



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA SE OF RWY 5-23.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ITHOD ON V452 NORTHEAST BOUND.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.19NM TO RW23.

CHART FAS OBST: 196 WINDMILL (02-020038) 634132N/1702953W.
REJXO TO RW23: 3.00/30.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 1100-3, 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	460	1	402	460	1	402	460	1 1/8	402	460	1 1/8	402			
CIRCLING	520	1	461	520	1	461	780	2	721	1100	3	1041			

CHANGES - REASONS

1. MINIMUMS REMOVED LPV AND LNAV/VNAV LINES OF MINIMA - FLIGHT CHECK COULD NOT VERIFY.
2. PROFILE LINE 5 REMOVED 250 HAT 0.70 - REMOVED LPV MINS.
3. PROFILE LINE 6 REMOVED MIN GP INCPT: 1400 AND GP ALT AT PFAF REJXO 1400 - REMOVED LPV AND LNAV/VNAV MINS.
4. NOTES REMOVED CHART NOTE FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C - REMOVED LPV AND LNAV/VNAV MINS.
5. ADDITIONAL FLIGHT DATA REMOVED WAAS CHANNEL # 58245, REFERENCE PATH ID: W23A, LTP HAE: 21.3 M - REMOVED LPV AND LNAV/VNAV MINS.
6. FAS DATA BLOCK REMOVED ALL INFO - REMOVED LPV AND LNAV/VNAV MINS.
7. MAP: REMOVED "LPV: DA" AND "LNAV/VNAV: DA" - REMOVED LPV AND LNAV/VNAV MINIMUMS.
8. PROFILE LINE 7 REMOVED GP ANGLE: 3.00 AND TCH: 30.0 - REMOVED LPV AND LNAV/VNAV MINIMUMS.
9. NOTES: CHANGED "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) TO "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - 8260.19J 8-6-10.M(2).
10. ADDITIONAL FLIGHT DATA: ADDED REJXO TO RW23: 3.00/30 - IAW 8260.19J 8-6-11.O.
11. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP AT 1.50NM TO CHART VDP AT 1.19 NM - TARGETS EVALUATION, CALCULATION ERROR CARRIED OVER FROM PREVIOUS AMENDMENT.



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZAN, AMGR, OME FSS

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by

ROBERT G HAMILTON

DEVELOPED BY

JOSHUA DUGAN

Digitally signed by

ROBERT G HAMILTON

Feb 10, 2025

OFFICE

AJV-A431

DATE

12/18/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by

ROBERT G HAMILTON

Feb 10, 2025

OFFICE

AJV-A431

DATE

04/17/2025

TITLE

MANAGER



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

<u>AIRPORT ID</u> SVA/PASA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>AMDT NO.</u> 2A	<u>CITY</u> SAVOONGA	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 59	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
EEKAY

TO
HABDI

RNP 1.00 DISTANCE 23.41 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>
SHIP	635326.81N/1701733.45W	150	50	20	2C	1000				AT1850	3000
TERRAIN	635043.07N/1704312.44W	0 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
ITHOD

TO
NADNY

RNP 1.00 DISTANCE 9.97 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>
SHIP	634626.88N/1700910.90W	150	50	20	2C	1000				AT850	2000
TERRAIN	634746.09N/1695810.09W	0 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM

HABDI

TO

NADNY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	7.03										
<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>
SHIP	634626.88N/1700910.90W	150	50	20	2C	1000				AT850	2000
TERRAIN	634929.16N/1701307.34W	0 (0)								AS1500	1500

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

NADNY

TO

REJXO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	6.01										
<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>
AAO	634626.88N/1700910.90W	150	50	20	2C	500				AT750	1400
TERRAIN	634430.00N/1702215.00W	0 (0)								AS1000	1000

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

REJXO

TO

RW23

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.13		RW23		402						
<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>
WINDMILL (02-020038)	634132.13N/1702953.03W	196	50	20	2C	250					460

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

NADNY

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
		P-4									
<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>
SHIP	634433.89N/1700836.17W	150	50	20	2C	1000				AT850	2000
TERRAIN	634626.88N/1700910.90W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW23

TO

NADNY

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 360				
<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				2000
TERRAIN (02-244069)	633853.20N/1703414.66W	637	20	10	1B	1000					1700
TERRAIN	633854.00N/1703415.00W	620 (600)								AS1000	1600

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											
WINDMILL (02-020037)	634129.20N/1702953.78W	1.30	461	204	50	20	2C	300			520
CATEGORY B											
WINDMILL (02-020037)	634129.20N/1702953.78W	1.81	461	204	50	20	2C	300			520
CATEGORY C											
TERRAIN (02-111548)	633912.35N/1703503.96W	2.84	721	475	20	3	1A	300			780
CATEGORY D											
AAO	633839.00N/1703630.00W	3.71	1041	788	215	8	4B	300			1100

CIRCLING REMARKS:

MSA

CENTER

ARP PASA

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	633533.00N/1702251.00W	145	6.4	2392	215	8	4B	1000			3400

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, OME FSS

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> SVA/PASA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> SVA/PASA	<u>DISTANCE</u> 0	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3P	<u>LOCATION</u> GAM/PAGM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> GAM/PAGM	<u>DISTANCE</u> 33.30	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 84

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PASA 59, PAGM 14
RA = 83.3

<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>	
RW23 - MIRL (PCL), VASI-4L (PCL)			
RW05 - MIRL (PCL), VASI-4L (PCL)			

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 24.2
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<div>X</div>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NA WHEN USING GAM/PAGM ALTIMETER SETTING.
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GAM/PAGM ALTIMETER SETTING: INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM AND CIRCLING CAT C 1/2 SM..
10FT VEGETATION HEIGHT USED PER FPT.
50FT SHIP HEIGHT USED INSIDE FINAL AND 150FT SHIP HEIGHT USED OUTSIDE FINAL PER FPT.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3, 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	3.46
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	239.74
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	5.07
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	1.99
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	239.91
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	0

THRESHOLD COORDINATES (IF STR-IN)	634121.51N/1702853.29W
ARP COORDINATES	634110.60N/1702935.40W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 5 DISTANCE 0.36 NM
FAF COORDINATES	634326.22N/1702052.52W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JOSHUA DUGAN	AJV-A431	12/18/2024	AERONAUTICAL INFORMATION SPECIALIST

