

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> ENN/PANN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> NENANA	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 368	<u>TDZE</u> 368	<u>SUPERSEDED</u> RNAV (GPS) RWY 4L	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 10/07/2021
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 13E
				<u>EPOCH YEAR</u> 2030
				<u>CANCEL/SUSPEND</u>

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>
SOSCA	IAF	ZENEX		TF	FB	1.00	142.54	6.80	3000
WHYTT	IAF	ZENEX		TF	FB	1.00	028.63	8.92	3000
ZENEX	IF	EKUCO		TF	FB	1.00	052.64	4.00	2000
EKUCO	FAF	HECKL/2.45 NM TO FORIT		TF	FB	0.30	052.77	2.32	
HECKL/2.45 NM TO FORIT		FORIT	MAP	TF	FO	0.30	052.77	2.45	
FORIT	MAP	740 MSL		CA			052.77		
740 MSL		JASEK		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LNAV: FORIT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT JASEK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT ZENEX
- FAC: 052.77 FAF: EKUCO DIST FAF TO MAP: 4.77 DIST FAF TO THLD: 5.02
- MIN ALT: ZENEX 3000, EKUCO 2000, HECKL/2.45 NM TO FORIT 1260
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
- MIN GP INCPT: GP ALT AT FAF:
- GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:
- MSA FROM: RW04L 5400



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: CIRCLING NA NW OF RWY 4L-22R.
CHART NOTE: CIRCLING NA TO RWYS 4R, 22L, 4W, AND 22W.
CHART NOTE: RWY 4L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAI/PAFA ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CATS C AND D 3/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WHYTT ON T399 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 053.25 INBOUND.
CHART FAS OBST: 481 TREE (02-317761) 643157N/1490811W.
CHART R-2206A, C, E.
FAC CROSSES RWY C/L EXTENDED 1501 FT FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 7.00 DEGREES.
EKUCO TO RW4L: 3.00/35.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, 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	740	1	372	740	1	372	740	1	372	740	1	372			
CIRCLING	820	1	452	820	1	452	1140	2 1/4	772	1140	2 1/2	772			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAMS FOR AMDTS 1A AND 1B INTO FORM - 8260.19J 8-3-4.C.(3).
2. TERMINAL ROUTES: DELETED INITIAL SEGMENT FROM ROYOY TO ICEBI AND INTERMEDIATE SEGMENT FROM ICEBI TO EKUCO - PROCEDURE REDESIGN, REQUESTED BY FPT/ATC.
3. TERMINAL ROUTES: ADDED NEW INITIAL SEGMENTS FROM SOSCA TO ZENEX AND FROM WHYTT TO ZENEX - PROCEDURE REDESIGN, REQUESTED BY FPT/ATC.
4. TERMINAL ROUTES: ADDED NEW INTERMEDIATE SEGMENT FROM ZENEX TO EKUCO - PROCEDURE REDESIGN, REQUESTED BY FPT/ATC.
5. TERMINAL ROUTES: ADDED FINAL SEGMENTS FROM EKUCO TO HECKL AND FROM HECKL TO FORIT - REQUIRED BY 8260.19J 8-6-4, STEPDOWN FIX ADDED TO LOWER MDA.
6. TERMINAL ROUTES: ADDED MISSED APPROACH SEGMENTS FROM FORIT TO 740 MSL AND FROM 740 MSL TO JASEK - REQUIRED BY 8260.19J 8-6-4, MISSED PROCEDURE REDESIGN REQUESTED BY FPT/ATC.
7. MISSED APPROACH: MAP CHANGED FROM RW4L TO FORIT - MAP OFFSET FROM RW4L BECAUSE FINAL OFFSET 7 DEGREES TO ALLOW NEW MISSED PROCEDURE TO AVOID HIGH TERRAIN.
8. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMBING RIGHT TURN TO 3000 DIRECT ICEBI AND HOLD" TO "CLIMB TO 5000 DIRECT JASEK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" - NEW STRAIGHT-AHEAD MISSED REQUESTED BY FPT/ATC TO AVOID R-2206.
9. PROFILE LINE 2: DELETED HILPT AND REPLACED WITH "PROFILE STARTS AT ZENEX (NEW IF)" - PROCEDURE REDESIGN, REQUESTED BY FPT/ATC TO AVOID R-2206.
10. PROFILE LINE 3: CHANGED FAC FROM 037.78 TO 052.77, CHANGED "DIST FAF TO MAP" FROM 4.95 TO 4.77, AND CHANGED "DIST FAF TO THLD" FROM 4.95 TO 5.02 - FINAL OFFSET 7 DEGREES AND MAGVAR UPDATE FROM 21E TO 13E, MAP OFFSET FROM RUNWAY DUE TO FINAL OFFSET.
11. PROFILE LINE 4: REPLACED "ICEBI 3000" WITH "ZENEX 3000" AND ADDED "HECKL/2.45 NM TO FORIT 1260" - NEW IF ZENEX DUE TO OFFSET FINAL AND NEW FINAL SDF HECKL TO LOWER MDA.
12. PROFILE LINE 7: ADDED "20:1 IS NOT CLEAR" - IDENTIFIED 20:1 PENETRATIONS.
13. PROFILE LINE 8: REPLACED TAA WITH NEW MSA - PROCEDURE REDESIGN, REQUESTED BY FPT/ATC TO AVOID R-2206.
14. PBN REQUIREMENTS NOTE: ADDED REQUIRED SENSOR "GPS" - 8260.19J 8-6-8.D.(5)(A)1.
15. NOTES: CHANGED CIRCLING RESTRICTION FROM "CIRCLING NA W OF RWY 4L-22R" TO "CIRCLING NA NW OF RWY 4L-22R" - LATEST DIRECTION DEFINITIONS.
16. NOTES : CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAIRBANKS INTL ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LNAV CAT C AND CIRCLING CATS C/D VISIBILITY 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAI/PAFA ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CATS C AND D 3/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM" - REFORMATTED TO USE LOCATION ID AND NEW VISIBILITY EVALUATION.
17. NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WHYTT ON T399 SOUTHWEST BOUND" - LIMIT TURN AT WHYTT TO 90 DEGREES.
18. ADDITIONAL FLIGHT DATA: ADDED "HOLD SW, LT, 053.25 INBOUND" - NEW MISSED APPROACH HOLDING POINT AND PATTERN, NOT CO-LOCATED WITH HILPT, 8260.19J 8-6-6.G.
19. ADDITIONAL FLIGHT DATA: CHANGED "FAS OBST: 580 AAO 642941N/1491156W" TO "CHART FAS OBST: 481 TREE (02-317761) 643157N/1490811W" - NEW FINAL CONTROLLING OBSTACLE.
20. ADDITIONAL FLIGHT DATA: ADDED "CHART R-2206A, C, E" - SITUATIONAL AWARENESS TO AID IN AVOIDING RESTRICTED AIRSPACE.
21. ADDITIONAL FLIGHT DATA: ADDED "FAC CROSSES RWY C/L EXTENDED 1501 FT FROM THLD" AND "CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 7.00 DEGREES" - FINAL OFFSET WITH RWY C/L INTERCEPT OFFSET FROM THLD AS PART OF PROCEDURE REDESIGN TO ALLOW NEW MISSED APPROACH TO AVOID HIGH TERRAIN.
22. ADDITIONAL FLIGHT DATA: CHANGED "EKUCO TO RW4L: 3.04/35" TO "EKUCO TO RW4L: 3.00/35" - PROCEDURE REDESIGN TO VDA 3.00.
23. ADDITIONAL FLIGHT DATA: DELETED "630 AAO 643006N/1491448W" - 8260.3 CHAPTER 2 (7:1) NO LONGER APPLIED.
24. ADDITIONAL FLIGHT DATA: DELETED "CHART VDP AT 1.25 MILES TO RW04L" - VDP REMOVED DUE TO 20:1 PENETRATIONS, 8260.3G 2-6-5.A.(4).
25. ALTERNATE MINIMUMS: CHANGED FROM "STANDARD EXCEPT CAT C 900-2 1/2, CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "STANDARD EXCEPT CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" - NEW EVALUATION, LOWERING OF CIRCLING CAT C/D MDA/HAA.
26. MINIMUMS: LOWERED LNAV MDA/HAT ALL CATS FROM 800/432 TO 740/372 - ADDITION OF STEPDOWN FIX, NEW CONTROLLING OBSTACLE.
27. MINIMUMS: LOWERED LNAV CAT C, D VISIBILITY FROM 1 1/4, 1 1/2 TO 1 SM - NEW EVALUATION, LOWERING OF LNAV MDA/HAT, 8260.3G TABLE 3-3-1.
28. MINIMUMS: LOWERED CIRCLING CAT A/B MDA/HAA FROM 860/492 TO 820/452 - NEW CONTROLLING OBSTACLE WITH BETTER ACCURACY CODE.
29. MINIMUMS: LOWERED CIRCLING CAT C/D MDA/HAA FROM 1180/812 TO 1140/772 - NEW CONTROLLING OBSTACLE.
30. MINIMUMS: LOWERED CIRCLING CAT C, D VISIBILITY FROM 2 1/2, 2 3/4 TO 2 1/4, 2 1/2 - NEW EVALUATION, LOWERING OF CIRCLING CAT C/D MDA/HAA, 8260.3G TABLE 3-3-7.

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER: ZAN, FAI APP CON, AK DOT-PFN-REGION, AMGR

FLIGHT CHECKED BY

JOEL HAWKLEY

Digitally signed by

DONALD H LANIER

Jul 01, 2025

OFFICE

AJF

DATE

06/20/2025

DEVELOPED BY

RICHARD BRUCE

Digitally signed by

DONALD H LANIER

Jul 01, 2025

OFFICE

AJV-A422

DATE

06/02/2025

APPROVED BY

BEV L BORDY

Digitally signed by

DONALD H LANIER

Jul 01, 2025

OFFICE

AJV-A420

DATE

TITLE

MANAGER



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

AIRPORT ID
ENN/PANN

PROCEDURE NAME
RNAV (GPS) RWY 4L

AMDT NO.
2

CITY
NENANA

STATE
AK

AIRPORT ELEVATION
368

FACILITY
RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
SOSCA

TO
ZENEX

RNP
1.00

DISTANCE
6.80

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>
AAO	643439.00N/1493145.00W	735	215	8	4B	1000				AT1265	3000
TERRAIN	643439.00N/1493145.00W	534 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
WHYTT

TO
ZENEX

RNP
1.00

DISTANCE
8.92

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>
AAO	642439.00N/1493318.00W	791	215	8	4B	1000				AT1209	3000
TERRAIN	642439.00N/1493324.00W	590 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
10
CHECKED

INTERMEDIATE

FROM

ZENEX

TO

EKUCO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	4.00										
<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	642733.00N/1492642.00W	650	215	8	4B	500				AT850	2000
TERRAIN	642754.00N/1492054.00W	439 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

EKUCO

TO

HECKL/2.45 NM TO FORIT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.32										
<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	643021.00N/1491539.00W	614	215	8	4B	250				RA100 DG296	1260

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

HECKL/2.45 NM TO FORIT

TO

FORIT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.45		FORIT		372						
<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>
TREE (02-317761)	643156.63N/1490810.63W	481	20	3	1A	250					740

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

FORIT

TO

JASEK

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30-1.00							640				
<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				5000
AAO	643706.00N/1485039.00W	1329	215	8	4B	1000					2400
TERRAIN	643706.00N/1485039.00W	1128 (1100)								AS1500	2600

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											
ANTENNA (02-317808)	643133.73N/1490410.89W	1.30	452	511	20	10	1B	300			820
CATEGORY B											
ANTENNA (02-317808)	643133.73N/1490410.89W	1.82	452	511	20	10	1B	300			820
CATEGORY C											
TREE (02-317374)	643430.37N/1485945.48W	2.86	772	830	20	3	1A	300			1140
CATEGORY D											
TREE (02-317374)	643430.37N/1485945.48W	3.73	772	830	20	3	1A	300			1140

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW04L	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	640751.00N/1485406.00W	156	25.4	4357	215	8	4B	1000			5400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, FAI FSS, FAI APP CON

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	ENN/PANN	24	ENN/PANN		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	FAI/PAFA	24	FAI/PAFA	35.28	Y	92

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME.
ENN 368, FAI 439.
RA = 91.2.

<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>	
RW22W			
RW22L - MIRL			
RW04R - MIRL			
RW04W			
RW04L - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G		
RW22R - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G		

<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>	<u>TCH</u>
					3.00	35.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	1501 FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	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

FINAL TYPE	CIRCLING RWY 22R:
20:1	
396 TREE (02-318451) 643307.86N/1490334.59W (23.7)	388 TREE (02-317839) 643309.90N/1490340.89W (22.15)



AIRPORT ID ENN/PANN		PROCEDURE NAME RNAV (GPS) RWY 4L	AMDT NO. 2	CITY NENANA	STATE AK	AIRPORT ELEVATION 368	FACILITY RNAV
387 TREE (02-317166) 643310.01N/1490340.92W (20.92)				398 TREE (02-317463) 643311.37N/1490336.42W (19.93)			
387 TREE (02-316524) 643310.11N/1490340.43W (19.74)				393 TREE (02-316943) 643311.15N/1490337.56W (17.64)			
393 TREE (02-317414) 643311.22N/1490336.95W (16.31)				393 TREE (02-317168) 643311.30N/1490336.95W (16.1)			
393 TREE (02-316761) 643311.38N/1490336.84W (15.69)				381 TREE (02-316520) 643309.90N/1490340.71W (14.81)			
384 TREE (02-317437) 643310.56N/1490339.95W (14.66)				382 TREE (02-317189) 643310.18N/1490340.25W (14.22)			
386 TREE (02-318400) 643310.84N/1490338.76W (13.7)				392 TREE (02-317743) 643311.50N/1490336.45W (13.64)			
389 TREE (02-316869) 643310.88N/1490336.89W (13.09)				382 TREE (02-317252) 643310.31N/1490339.78W (13)			
383 TREE (02-316436) 643310.68N/1490339.37W (12.26)				386 TREE (02-317212) 643310.69N/1490337.57W (11.86)			
393 TREE (02-317165) 643312.18N/1490335.41W (10.92)				391 TREE (02-317372) 643312.02N/1490336.07W (10.57)			
393 TREE (02-316726) 643312.20N/1490335.25W (10.56)				381 TREE (02-317553) 643310.46N/1490339.11W (10.35)			
392 TREE (02-316992) 643311.96N/1490335.19W (10.08)				390 TREE (02-316926) 643311.63N/1490335.68W (9.86)			
380 TREE (02-316601) 643310.39N/1490339.10W (9.51)				379 TREE (02-317167) 643307.35N/1490335.12W (9.03)			
380 TREE (02-316664) 643307.54N/1490334.78W (8.89)				383 TREE (02-316741) 643310.76N/1490337.61W (8.75)			
387 TREE (02-316945) 643311.57N/1490336.45W (8.46)				386 TREE (02-316451) 643311.54N/1490336.94W (8.46)			
384 TREE (02-316937) 643310.94N/1490337.05W (8.23)				392 TREE (02-317151) 643312.39N/1490334.70W (8.04)			
380 TREE (02-316568) 643310.57N/1490338.39W (7.71)				372 TREE (02-316506) 643307.07N/1490337.18W (6.62)			
389 TREE (02-317683) 643308.33N/1490329.74W (6.39)				380 TREE (02-317991) 643311.15N/1490338.42W (6.25)			
372 TREE (02-318203) 643307.15N/1490337.00W (6.07)				388 TREE (02-317061) 643308.40N/1490330.10W (5.88)			
381 TREE (02-317175) 643311.32N/1490337.47W (5.03)				371 TREE (02-316875) 643310.24N/1490341.27W (4.97)			
375 TREE (02-317973) 643310.71N/1490339.70W (4.8)				384 TREE (02-316932) 643308.15N/1490330.85W (3.94)			
369 TREE (02-318207) 643310.20N/1490341.65W (3.79)				372 TREE (02-317366) 643307.39N/1490335.95W (3.48)			
372 TREE (02-317088) 643307.34N/1490335.36W (2.5)				377 TREE (02-316743) 643310.89N/1490337.57W (2.34)			
383 TREE (02-316950) 643311.75N/1490335.45W (2.12)				387 TREE (02-316707) 643312.13N/1490333.84W (2.11)			
376 TREE (02-317207) 643310.54N/1490337.39W (1.92)				370 TREE (02-316553) 643307.39N/1490336.07W (1.7)			
374 TREE (02-317421) 643307.53N/1490334.03W (1.51)				389 TREE (02-316690) 643312.22N/1490332.42W (1.21)			
376 TREE (02-317079) 643310.69N/1490337.20W (1.17)				374 TREE (02-316409) 643310.57N/1490337.82W (0.65)			
381 TREE (02-316886) 643308.36N/1490330.75W (0.2)							
FINAL TYPE	CIRCLING RWY 4L:						
20:1							
373 VEGETATION (02-316728) 643244.50N/1490519.86W (4.18)				371 VEGETATION (02-317066) 643244.83N/1490519.72W (3.31)			
373 VEGETATION (02-317033) 643244.10N/1490520.77W (1.43)				373 VEGETATION (02-318097) 643243.92N/1490521.26W (0.04)			
FINAL TYPE	LNAV:						
20:1							
399 TREE (02-316934) 643244.40N/1490522.31W (25.33)				395 TREE (02-317264) 643244.20N/1490523.29W (18.97)			
373 VEGETATION (02-316728) 643244.50N/1490519.86W (4.18)				371 VEGETATION (02-317066) 643244.83N/1490519.72W (3.31)			

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AIRPORT ID ENN/PANN		PROCEDURE NAME RNAV (GPS) RWY 4L	AMDT NO. 2	CITY NENANA	STATE AK	AIRPORT ELEVATION 368	FACILITY RNAV
373 VEGETATION (02-317033) 643244.10N/1490520.77W (1.43)				373 VEGETATION (02-318097) 643243.92N/1490521.26W (0.04)			
FINAL TYPE	LNAV:						
34:1							
447 TREE (02-317365) 643230.58N/1490549.73W (24.31)				442 TREE (02-317405) 643230.28N/1490546.67W (22.22)			
443 TREE (02-316580) 643230.89N/1490549.55W (20.99)				445 TREE (02-316559) 643229.84N/1490552.70W (17.9)			
438 TREE (02-316496) 643232.37N/1490550.91W (16.77)				440 TREE (02-317004) 643231.19N/1490551.70W (16.08)			
434 TREE (02-316779) 643233.03N/1490549.86W (14.95)				435 TREE (02-316970) 643232.37N/1490550.65W (14.06)			
433 TREE (02-318032) 643232.25N/1490549.71W (12.91)				436 TREE (02-317862) 643231.00N/1490550.79W (12.79)			
437 TREE (02-317084) 643233.41N/1490555.20W (12.65)				431 TREE (02-316734) 643232.40N/1490549.17W (11.74)			
434 TREE (02-316549) 643231.74N/1490551.27W (11.41)				431 TREE (02-317248) 643232.33N/1490550.04W (10.67)			
434 TREE (02-318394) 643231.38N/1490551.86W (10.2)				435 TREE (02-317136) 643231.66N/1490553.24W (10.11)			
433 TREE (02-316495) 643232.90N/1490553.44W (9.81)				428 TREE (02-316457) 643232.22N/1490548.00W (9.75)			
436 TREE (02-316858) 643231.15N/1490553.90W (9.6)				433 TREE (02-316949) 643231.90N/1490552.54W (9.25)			
434 TREE (02-316857) 643231.86N/1490553.84W (8.76)				428 TREE (02-316922) 643232.16N/1490548.83W (8.74)			
434 TREE (02-317726) 643231.25N/1490553.63W (8.05)				432 TREE (02-318157) 643231.64N/1490552.50W (7.9)			
431 TREE (02-317727) 643231.45N/1490551.36W (7.86)				428 TREE (02-316443) 643234.84N/1490553.41W (7.83)			
426 TREE (02-318397) 643233.28N/1490549.57W (7.65)				426 TREE (02-316864) 643233.49N/1490550.10W (7.39)			
433 TREE (02-317637) 643231.85N/1490554.22W (7.33)				427 TREE (02-318353) 643232.46N/1490549.64W (7.31)			
426 TREE (02-318216) 643232.87N/1490549.41W (7.2)				428 TREE (02-316439) 643232.63N/1490550.92W (7.16)			
434 TREE (02-316716) 643231.38N/1490554.82W (6.94)				431 TREE (02-316791) 643231.85N/1490552.80W (6.89)			
437 TREE (02-316622) 643230.42N/1490556.35W (6.77)				431 TREE (02-317345) 643231.90N/1490553.06W (6.68)			
431 TREE (02-316552) 643233.46N/1490555.44W (6.47)				430 TREE (02-318333) 643229.52N/1490549.03W (6.45)			
430 TREE (02-317384) 643230.73N/1490551.05W (6.09)				433 TREE (02-316430) 643230.91N/1490554.49W (5.58)			
425 TREE (02-317907) 643232.82N/1490549.94W (5.54)				424 TREE (02-316798) 643231.62N/1490547.40W (5.48)			
425 TREE (02-318422) 643237.46N/1490556.55W (5.42)				432 TREE (02-316507) 643230.01N/1490552.76W (5.1)			
428 TREE (02-317518) 643231.81N/1490551.71W (5.03)				435 TREE (02-316976) 643230.49N/1490556.22W (5.03)			
431 TREE (02-317850) 643231.82N/1490554.73W (4.72)				427 TREE (02-316820) 643231.49N/1490550.66W (4.69)			
428 TREE (02-318312) 643232.61N/1490553.16W (4.67)				428 TREE (02-317630) 643232.05N/1490552.40W (4.64)			
435 TREE (02-318437) 643230.36N/1490556.50W (4.52)				428 TREE (02-318479) 643231.58N/1490551.90W (4.47)			
430 TREE (02-316573) 643230.28N/1490551.95W (4.4)				432 TREE (02-316998) 643228.87N/1490551.82W (4.37)			
434 TREE (02-318236) 643231.06N/1490556.86W (4.2)				423 TREE (02-317086) 643232.05N/1490548.44W (4)			
426 TREE (02-316657) 643231.64N/1490550.67W (3.91)				427 TREE (02-317516) 643233.09N/1490554.13W (3.34)			
426 TREE (02-316631) 643233.40N/1490553.77W (3.21)				426 TREE (02-317064) 643233.27N/1490553.66W (3.13)			
429 TREE (02-316982) 643230.36N/1490552.32W (3.12)				427 TREE (02-316914) 643232.71N/1490553.81W (3.1)			
424 TREE (02-316972) 643236.61N/1490556.61W (3.04)				424 TREE (02-316753) 643232.12N/1490550.36W (2.99)			

QUALITY
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<u>AIRPORT ID</u> ENN/PANN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4L	<u>AMDT NO.</u> 2	<u>CITY</u> NENANA	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 368	<u>FACILITY</u> RNAV
422 TREE (02-317203) 643233.24N/1490550.17W (2.93)	434 TREE (02-317313) 643229.93N/1490556.49W (2.86)					
430 TREE (02-316678) 643230.29N/1490553.63W (2.57)	427 TREE (02-318305) 643232.04N/1490553.39W (2.53)					
433 TREE (02-316975) 643229.94N/1490556.09W (2.32)	402 TREE (02-317001) 643241.51N/1490544.35W (2.1)					
422 TREE (02-316464) 643234.76N/1490553.08W (2.07)	429 TREE (02-317697) 643230.43N/1490553.42W (2.02)					
429 TREE (02-316478) 643230.54N/1490553.69W (1.89)	422 TREE (02-316682) 643234.90N/1490553.54W (1.78)					
425 TREE (02-317642) 643233.53N/1490554.41W (1.71)	424 TREE (02-316837) 643230.97N/1490550.07W (1.54)					
421 TREE (02-316683) 643233.03N/1490550.26W (1.51)	373 VEGETATION (02-317625) 643244.15N/1490522.26W (1.5)					
433 TREE (02-316418) 643229.58N/1490556.51W (1.3)	424 TREE (02-317359) 643233.19N/1490553.52W (1.16)					
426 TREE (02-316517) 643231.83N/1490553.52W (1.07)	431 TREE (02-316637) 643229.90N/1490555.80W (0.58)					
422 TREE (02-316428) 643234.78N/1490554.60W (0.43)	430 TREE (02-316669) 643230.01N/1490555.19W (0.42)					
429 TREE (02-316742) 643231.03N/1490555.88W (0.23)	430 TREE (02-316827) 643231.21N/1490557.20W (0.06)					
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

VEGETATION HEIGHT: 60 FT, PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> ENN/PANN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4L	<u>AMDT NO.</u> 2	<u>CITY</u> NENANA	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 368	<u>FACILITY</u> RNAV
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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	3.02
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	065.77
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	4.82
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	065.77
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	400

THRESHOLD COORDINATES (IF STR-IN)

643244.17N/1490513.40W

ARP COORDINATES

643250.28N/1490426.13W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 22R DISTANCE 0.42 NM

FAF COORDINATES

643039.83N/1491547.13W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
RICHARD BRUCE	AJV-A422	06/02/2025	AERONAUTICAL INFORMATION SPECIALIST

