

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.27**

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> NDB RWY 4L	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> NENANA	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 368	<u>TDZE</u> 368	<u>SUPERSEDED</u> NDB RWY 4L	<u>ORIGINAL/AMENDMENT</u> 3C	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 2030
<u>FACILITY</u> ICW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
NENAS INT		ICW NDB					121.00	22.64	3700
ENN VORTAC		ICW NDB					161.23	2.67	3400

MISSED APPROACH

MAP:

ICW NDB

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3200 ON ICW NDB BRG-130 THEN LEFT TURN DIRECT ICW NDB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** R **SIDE OF COURSE** 236.25 **OUTBOUND** 2400 **FT WITHIN** 10 **MILES OF** ICW NDB (IAF)
2.
3. **FAC:** 056.25 **FAF:** **DIST FAF TO MAP:** **DIST FAF TO THLD:**
4. **MIN ALT:**
8. **MSA FROM:** ICW NDB 098-198 5400, 198-348 3000, 348-098 4100

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 S-04L VISIBILITY CATS C AND D 1/4 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 056.25 INBOUND.
FAS OBST: 647 AAO 642633N/1492306W.
CHART R-2206A, C, E.
CHART 3200 PRIOR TO ICW NDB IN PROFILE.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.



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
S-04L	1000	1	632	1000	1	632	1000	1 3/4	632	1000	1 3/4	632			
CIRCLING	1000	1	632	1000	1	632	1140	2 1/4	772	1140	2 1/2	772			

CHANGES - REASONS

- INCORPORATED CHANGES FROM P-NOTAMS FOR AMDTS 3A/B/C INTO FORM - 8260.19J 8-3-4.C.(3).
- UPDATED ICW NDB MAG VAR FROM 18E/EY 2015 TO 13E/EY 2030 - 8260.19J 2-5-3.B AND FPT REQUEST.
- TERMINAL ROUTES, FEEDER FROM NENAS TO ICW NDB - CHANGED COURSE FROM 116.00 TO 121.00 - MAG VAR UPDATE TO 13E.
- MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMBING RIGHT TURN TO 3200 ON ICW NDB 135 BEARING, THEN RIGHT TURN DIRECT ICW NDB AND HOLD" TO "CLIMBING RIGHT TURN TO 3200 ON ICW NDB BRG-130 THEN LEFT TURN DIRECT ICW NDB AND HOLD" - OUTBOUND BEARING SHIFTED EAST 10 DEGREES (TRUE) AND INBOUND TURN CHANGED TO LEFT TURN TO AVOID R-2206, AND MAG VAR UPDATE.
- PROFILE LINE 1: CHANGED PT OUTBOUND TURN FROM LEFT TO RIGHT AND OUTBOUND COURSE FROM 231.27 TO 236.25 - TURN CHANGED TO AVOID R-2206, COURSE REALIGNED TO OPTIMUM, AND MAG VAR UPDATE.
- PROFILE LINE 3: CHANGED FAC FROM 051.27 TO 056.25 - REALIGNED TO OPTIMUM COURSE, AND MAG VAR UPDATE.
- PROFILE LINE 8: UPDATED MSA SECTORS FROM 093-193 TO 098-198, FROM 193-343 TO 198-348, AND FROM 343-093 TO 348-098 - MAG VAR UPDATE.
- PROFILE LINE 8: LOWERED MSA SECTOR 198-348 ALTITUDE FROM 3100 TO 3000 - NEW EVALUATION AND CONTROLLING OBSTACLE.
- NOTES: CHANGED BACKUP ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAIRBANKS INTL ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND S-4L 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 S-04L VISIBILITY CATS C AND D 1/4 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM" - NEW EVALUATION, AIRPORT NAME REPLACED BY LOCATION ID, 8260.19J 8-6-10.F.(4).
- ADDITIONAL FLIGHT DATA: CHANGED MISSED APPROACH HOLDING FROM "HOLD SW, RT, 051.27 INBOUND" TO "HOLD SW, LT, 056.25 INBOUND" - LEFT TURN TO REORIENT HOLDING PATTERN TO NEW MANEUVERING SIDE OF PT COURSE, HOLDING COURSE REALIGNED TO NEW PT COURSE/FAC.
- ADDITIONAL FLIGHT DATA: CHANGED "FAS OBST: 649 AAO 642913N/1491841W" TO "FAS OBST: 647 AAO 642633N/1492306W" - NEW FINAL OBSTACLE EVAL AND CONTROLLING OBSTACLE.
- ADDITIONAL FLIGHT DATA: ADDED "CHART R-2206A, C, E" - SITUATIONAL AWARENESS TO AID IN AVOIDING RESTRICTED AIRSPACE.
- ADDITIONAL FLIGHT DATA: CHANGED "FAC CROSSES RWY C/L EXTENDED 3004 FT FROM THLD" TO "FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD" - PT COURSE/FAC REALIGNED TO OPTIMUM.
- 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.
- MINIMUMS: LOWERED S-04L CAT D VISIBILITY FROM 2 TO 1 3/4 SM - NEW EVALUATION, 8260.3G TABLE 3-3-1.
- MINIMUMS: LOWERED CIRCLING CAT C/D MDA/HAA FROM 1180/812 TO 1140/772 - NEW CONTROLLING OBSTACLE.
- 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

☐

NBA

☒

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

FLIGHT CHECKED BY

JOEL F HAWKLEY

Digitally signed by

RAKE MCGRAW

Jun 24, 2025

OFFICE

AJF

DATE

06/20/2025

DEVELOPED BY

RICHARD BRUCE

Digitally signed by

RAKE MCGRAW

Jun 24, 2025

OFFICE

AJV-A422

DATE

06/02/2025

APPROVED BY

BEV L BORDY

Digitally signed by

RAKE MCGRAW

Jun 24, 2025

OFFICE

AJV-A420

DATE

TITLE
MANAGER

QUALITY
10
CHECKED

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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
ENN/PANN	NDB RWY 4L	4	NENANA	AK	368	ICW

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM NENAS INT **TO** ICW NDB

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
22.64

<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	645312.00N/1495545.00W	1185	215	8	4B	2000				AT515	3700
TERRAIN	643524.00N/1490427.00W	1601 (1600)								AS1500	3100

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM ENN VORTAC **TO** ICW NDB

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
2.67

<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	643524.00N/1490427.00W	1662	215	8	4B	1000				AT738	3400
TERRAIN	643524.00N/1490427.00W	1601 (1600)								AS1500	3100

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
10
CHECKED

FINAL: PT

FROM

10 NM

TO

ICW NDB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	10.00		ICW NDB		632						
<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	642633.00N/1492306.00W	647	215	8	4B	350					1000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

ENTRY ZONE

FROM

ICW NDB

TO

10 NM

<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>
AAO	643648.00N/1490042.00W	1733	215	8	4B	1000				AT467	3200
TERRAIN	643524.00N/1490427.00W	1601 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



PROCEDURE TURN

FROM

ICW NDB

TO

10 NM

<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>
TREE	643421.00N/1490603.00W	887	215	8	4B	1000				AT513	2400
TERRAIN	643421.00N/1490603.00W	826 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH PT

FROM

ICW NDB

TO

ICW NDB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 650			
<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				3200
AAO	641824.00N/1484845.00W	830	215	8	4B	2000					2900
TERRAIN	641824.00N/1484845.00W	630 (600)								AS1500	2100

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	632	511	20	10	1B	300		SI	1000
CATEGORY B											
ANTENNA (02-317808)	643133.73N/1490410.89W	1.82	632	511	20	10	1B	300		SI	1000
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

ICW NDB

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
098-198	AAO	640751.00N/1485406.00W	157	25.4	4357	215	8	4B	1000			5400
198-348	AAO	640842.00N/1492712.00W	189	26.0	1992	215	8	4B	1000			3000
348-098	AAO	645530.00N/1483127.00W	019	26.9	3009	215	8	4B	1000			4100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

FAI FSS, ZAN ARTCC, 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>
ICW NDB	POCC	24	1

<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	☐	3000FT 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>

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 22R:
20:1	
396 TREE (02-318451) 643307.86N/1490334.59W (23.70)	388 TREE (02-317839) 643309.90N/1490340.89W (22.15)



<u>AIRPORT ID</u> ENN/PANN		<u>PROCEDURE NAME</u> NDB RWY 4L	<u>AMDT NO.</u> 4	<u>CITY</u> NENANA	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 368	<u>FACILITY</u> ICW
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 (16.10)			
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 (13.70)				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 (13.00)			
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 (4.80)				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 (2.50)				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 (1.70)			
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 (0.20)							
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		S-4L:					
20:1							
399 TREE (02-316934) 643244.40N/1490522.31W (25.33)				395 TREE (02-317264) 643244.20N/1490523.29W (18.97)			
399 TREE (02-317273) 643243.67N/1490529.83W (9.34)				373 VEGETATION (02-316728) 643244.50N/1490519.86W (4.18)			

QUALITY
10
CHECKED



AIRPORT ID ENN/PANN		PROCEDURE NAME NDB RWY 4L	AMDT NO. 4	CITY NENANA	STATE AK	AIRPORT ELEVATION 368	FACILITY ICW
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	S-4L:						
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 (17.90)			
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 (10.20)				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 (9.60)				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 (7.90)			
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 (7.20)				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 (5.10)			
435 TREE (02-316976) 643230.49N/1490556.22W (5.03)				428 TREE (02-317518) 643231.81N/1490551.71W (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 (4.40)				432 TREE (02-316998) 643228.87N/1490551.82W (4.37)			
434 TREE (02-318236) 643231.06N/1490556.86W (4.20)				423 TREE (02-317086) 643232.05N/1490548.44W (4.00)			
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 (3.10)			

QUALITY
10
CHECKED

AIRPORT ID ENN/PANN	PROCEDURE NAME NDB RWY 4L	AMDT NO. 4	CITY NENANA	STATE AK	AIRPORT ELEVATION 368	FACILITY ICW
424 TREE (02-316972) 643236.61N/1490556.61W (3.04)			424 TREE (02-316753) 643232.12N/1490550.36W (2.99)			
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 (2.10)			
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 (1.50)			
433 TREE (02-316418) 643229.58N/1490556.51W (1.30)			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.

FINAL OFFSET ANGLE: 10.33 LEFT.

MISSED APPROACH OUTBOUND SEGMENT TO 3200 BUILT IN TARGETS USING AJV-A BEST PRACTICES. MANUALLY CONSTRUCTED AND EVALUATED LEFT TURN BACK INBOUND TO ICW NDB. DOCUMENTED OBSTACLE/HIGH TERRAIN ARE FROM MANUAL EVALUATION.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> ENN/PANN	<u>PROCEDURE NAME</u> NDB RWY 4L	<u>AMDT NO.</u> 4	<u>CITY</u> NENANA	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 368	<u>FACILITY</u> ICW
-------------------------------	-------------------------------------	----------------------	-----------------------	--------------------	---------------------------------	------------------------

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	FACILITY	TO 1000FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	069.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	FACILITY	TO 1500FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	069.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

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

FIX NAME COORDINATES

MAP ICW NDB 643244.49N/1490436.76W

REMARKS

1000 FT & 1500 FT POINTS WITHIN PROCEDURE TURN (PT) AREA.

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

