

**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.

AIRPORT ID 5NN/PANO	PROCEDURE NAME RNAV (GPS) RWY 2	ORIGINAL/AMENDMENT 2	CITY NONDALTON	STATE AK
AIRPORT ELEVATION 314	TDZE 314	SUPERSEDED RNAV (GPS) RWY 2	DATED 09/13/2018	MAG VAR 14E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2020
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HUMRA		ASVIW		TF	FO	1.00	277.67	6.19	5000
NUTUW	IAF	ASVIW	NOPT	TF	FB	1.00	347.94	12.16	5000
FAGIN	IAF	ASVIW	NOPT	TF	FB	1.00	112.34	11.00	5000
ASVIW	IF/IAF	DILAY		TF	FB	1.00	039.92	8.43	4100
DILAY	FAF	JURAS/7.60 NM TO RW02		TF	FB	0.30	019.81	2.40	
JURAS/7.60 NM TO RW02		ESCRO/6.80 NM TO RW02		TF	FB	0.30	019.81	0.80	
ESCRO/6.80 NM TO RW02		RAKDE/5.48 NM TO RW02		TF	FB	0.30	019.81	1.33	
RAKDE/5.48 NM TO RW02		RW02	MAP	TF	FO	0.30	019.81	5.48	
RW02	MAP	1400 MSL		CA			019.81		1400
1400 MSL		HUMRA		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LNAV: RW02

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 5000 DIRECT HUMRA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.
*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 216 FEET PER NM TO 3100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- HOLD SW ASVIW, RT, 039.92 INBOUND, 5000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 019.81 **FAF:** DILAY **DIST FAF TO MAP:** 10.00 **DIST FAF TO THLD:** 10.00
- MIN ALT:** ASVIW 5000, DILAY 4100, JURAS/7.60 NM TO RW02 3200, ESCRO/6.80 NM TO RW02 2900, RAKDE/5.48 NM TO RW02 2400
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- MIN GP INCPT:** **GP ALT AT FAF:** **OM:** **MM:** **IM:**
- GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:**
- MSA FROM:** RW02 6400



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING NA WEST OF RWY 2-20.
CHART NOTE: STRAIGHT-IN RWY 2 NA AT NIGHT, CIRCLING RWY 2 NA AT NIGHT.
CHART NOTE: USE ILIAMNA ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FAGIN ON V462/T223 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HUMRA ON T370 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NUTUW ON T390 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 053.62 INBOUND.
FAS OBST: 991 AAO 595403N/1545736W.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.67 DEGREES.
CHART ILIAMNA ASOS FREQUENCY.
DILAY TO RW02: 3.55/30.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA

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*	1380	1 1/4	1066	1380	1 1/2	1066		NA			NA				
LNAV MDA	1660	1 1/4	1346	1660	1 1/2	1346		NA			NA				
CIRCLING	1660	1 1/4	1346	1660	1 1/2	1346		NA			NA				



CHANGES - REASONS

1. MOVED FINAL APPROACH STEPDOWN FIX JURAS 609 FEET SOUTHWEST FROM 595225.44N/1545856.70W TO 595220.45N/1545903.35W - OPTIMIZED DESCENT ANGLE BASED ON NEW FIX ALTITUDE DUE TO NEW CONTROLLING OBSTRUCTIONS IN FINAL.
2. ADDED NEW FINAL APPROACH STEPDOWN FIX ESCRO AT 595260.00N/1545810.57W - OPTIMIZED DESCENT ANGLE BASED ON CONTROLLING OBSTRUCTIONS IN FINAL.
3. MOVED FINAL APPROACH STEPDOWN FIX RAKDE 2906 FEET SOUTHWEST FROM 595429.65N/1545610.76W TO 595405.89N/1545642.53W - OPTIMIZED DESCENT ANGLE BASED ON NEW FIX ALTITUDE DUE TO NEW CONTROLLING OBSTRUCTIONS IN FINAL.
4. CHANGED MAP FROM FIX IYAYA TO RWY 2 THLD - 8260.58C 3-2-2 A(1) SPECIFIES TO ALIGN OFFSET FINALS OF LESS THAN OR EQUAL TO 5 DEGREES THROUGH THE LTP.
5. CHANGED TERMINAL ROUTE FROM "DILAY TO JURAS/6.50 NM TO IYAYA COURSE AND DISTANCE 019.81/2.50" TO "DILAY TO JURAS/7.60 NM TO RW02 COURSE AND DISTANCE 019.81/2.40" - FIX JURAS MOVED/MAP CHANGED.
6. ADDED TERMINAL ROUTE JURAS/7.60 NM TO RW02 TO ESCRO/6.80 NM TO RW02 COURSE AND DISTANCE 019.81/0.80 - NEW STEPDOWN FIX/MAP CHANGED.
7. ADDED TERMINAL ROUTE ESCRO/6.80 NM TO RW02 TO RAKDE/5.48 NM TO RW02 COURSE AND DISTANCE 019.81/1.33 - NEW STEPDOWN FIX/MAP CHANGED.
8. CHANGED TERMINAL ROUTE FROM "RAKDE/4.00 NM TO IYAYA COURSE AND DISTANCE 019.81/4.00" TO "RAKDE/5.48 NM TO RW02 COURSE AND DISTANCE 019.81/5.48" - FIX MOVED/MAP CHANGED.
9. CHANGED TERMINAL ROUTE FROM "IYAYA TO 714 MSL COURSE 019.81" TO "RW02 TO 1400 MSL COURSE 019.81" - NEW MAP/CA LEG ADDED BASED ON EVALUATION REQUIREMENTS/8260.19 GUIDANCE.
10. CHANGED TERMINAL ROUTE FROM "714 MSL TO HUMRA" TO "1400 MSL TO HUMRA" - NEW CA LEG ALTITUDE BASED ON EVALUATION REQUIREMENTS.
11. CHANGED MISSED APPROACH FROM "CLIMBING RIGHT TURN TO 5000 DIRECT HUMRA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 265 FEET PER NM TO 2500." TO "CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 5000 DIRECT HUMRA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 216 FEET PER NM TO 3100" - CLIMB TO ALTITUDE REQUIRED PRIOR TO MAKING TURN, MISSED APPROACH CG ADJUSTED BASED ON NEW CONTROLLING OBSTACLE.
12. ADDED "MAX 6000" TO LINE 2 OF PROFILE SECTION - MAXIMUM ALTITUDE ESTABLISHED FOR MISSED APPROACH HOLDING.
13. CHANGED DISTANCE FAF TO MAP FROM 9.00 TO 10.00 - MAP CHANGED FROM FIX IYAYA TO RWY 2 THLD.
14. CHANGED FAS OBSTACLE FROM 1054 AAO 595603N/1545606W, 2412 AAO 595151N/1545818W TO 991 AAO 595403N/1545736W - NEW CONTROLLING OBSTACLE.
15. CHANGED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT NUTUW ON V427 SOUTHWEST BOUND" TO "PROCEDURE NA FOR ARRIVALS AT NUTUW ON T390 SOUTHWEST BOUND" - FPT REQUEST/CURRENT AIRWAY DELINIATION.
16. CHANGED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT HUMRA ON G4 SOUTHWEST BOUND" TO "PROCEDURE NA FOR ARRIVALS AT HUMRA ON T370 SOUTHWEST BOUND" - FPT REQUEST/CURRENT AIRWAY DELINIATION.
17. CHANGED CHART NOTE: "WHEN ILIAMNA ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA" TO "USE ILIAMNA ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA" - ILIAMNA IS THE PERMANENT REMOTE ALTIMETER SOURCE.
18. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I, 8-6-8.B.(2).

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: AIRPORT MANAGER, ZAN, ILI FSS

FLIGHT CHECKED BY

JAMES D ARNOLD

OFFICE

FPO

DATE

04/10/2024

DEVELOPED BY

JOSHUA LEETE

Digitally signed by

JOSHUA LEETE

Mar 05, 2024

OFFICE

AJV-A422

DATE

03/05/2024

APPROVED BY

RAKE MCGRAW

Digitally signed by

CASEY D HILL

Mar 26, 2024

OFFICE

AJV-A422

DATE

05/16/2024

TITLE

MANAGER



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

<u>AIRPORT ID</u> 5NN/PANO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 2	<u>CITY</u> NONDALTON	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 314	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> HUMRA	<u>TO</u> ASVIW
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<u>RNP</u> 1.00	<u>DISTANCE</u> 6.19	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	594648.00N/1551354.00W	1168	215	8	4B	2000				AT1832	5000
TERRAIN	594648.00N/1551354.00W	968 (1000)								AS1500	2500

COMPUTATIONS

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

INITIAL

<u>FROM</u> NUTUW	<u>TO</u> ASVIW
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<u>RNP</u> 1.00	<u>DISTANCE</u> 12.16	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	594648.00N/1551800.00W	1382	215	8	4B	1000				AT2618	5000
TERRAIN	594648.00N/1551800.00W	1182 (1200)								AS1500	2700

COMPUTATIONS

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



AIRPORT ID
5NN/PANO

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
NONDALTON

STATE
AK

AIRPORT ELEVATION
314

FACILITY
RNAV

INITIAL

FROM
FAGIN

TO
ASVIW

RNP
1.00

DISTANCE
11.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	595042.00N/1552954.00W	2710	215	8	4B	1000				AT1170 PR120	5000
TERRAIN	595042.00N/1552954.00W	2510 (2500)								AS1500	4000

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
ASVIW (IF/IAF)

TO
DILAY

RNP
1.00

DISTANCE
8.43

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	594954.00N/1545957.00W	2034	215	8	4B	500				PR70 DG1496	4100
TERRAIN	594954.00N/1545957.00W	1834 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
5NN/PANO

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
NONDALTON

STATE
AK

AIRPORT ELEVATION
314

FACILITY
RNAV

FINAL: LNAV

FROM
DILAY

TO
JURAS/7.60 NM TO RW02

RNP
0.30

DISTANCE
2.40

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	595118.00N/1550100.00W	2576	215	8	4B	250				RA49 XL200 PR90 DG35	3200

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM
JURAS/7.60 NM TO RW02

TO
ESCRO/6.80 NM TO RW02

RNP
0.30

DISTANCE
0.80

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	595154.00N/1545818.00W	2402	215	8	4B	250				RA49 XL81 PR110 DG8	2900

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
5NN/PANO

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
NONDALTON

STATE
AK

AIRPORT ELEVATION
314

FACILITY
RNAV

FINAL: LNAV STEPDOWN

FROM
ESCRO/6.80 NM TO RW02

TO
RAKDE/5.48 NM TO RW02

RNP
0.30

DISTANCE
1.33

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	595230.00N/1545745.00W	1884	215	8	4B	250				RA49 XL41 PR110 DG66	2400

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN*

FROM
RAKDE/5.48 NM TO RW02

TO
RW02

RNP
0.30

DISTANCE
5.48

PAT

MAP
RW02

HAT
1066

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	595403.00N/1545736.00W	991	215	8	4B	250				RA49 PR90	1380

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
5NN/PANO

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
NONDALTON

STATE
AK

AIRPORT ELEVATION
314

FACILITY
RNAV

FINAL: LNAV STEPDOWN

FROM
RAKDE/5.48 NM TO RW02

TO
RW02

RNP
0.30

DISTANCE
5.48

PAT

MAP
RW02

HAT
1346

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	595403.00N/1545736.00W	991	215	8	4B	250				RA49 PR90 MA117 XP163	1660

COMPUTATIONS

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

SEGMENT REMARKS:

RETAIN EXISTING MINIMA.

HOLD-IN-LIEU OF PT

FROM
ASVIW

TO
P-6

RNP

DISTANCE

PAT
P-6

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	594642.00N/1552424.00W	2579	215	8	4B	1000				AT1421	5000
TERRAIN	594642.00N/1552424.00W	2379 (2400)								AS1500	3900

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
5NN/PANO

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
NONDALTON

STATE
AK

AIRPORT ELEVATION
314

FACILITY
RNAV

MISSED APPROACH: LNAV*

FROM
RW02 **TO**
HUMRA

RNP 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 1141

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	595933.00N/1543827.00W	3527	215	8	4B		ASC	216	3100		5000
AAO	595121.00N/1550103.00W	2576	215	8	4B	1000				PR110	3700
TERRAIN	595121.00N/1550103.00W	2376 (2400)								AS1500	3900

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW02 **TO**
HUMRA

RNP 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 1421

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	595933.00N/1543827.00W	3527	215	8	4B		ASC				5000
AAO	595121.00N/1550103.00W	2576	215	8	4B	1000				PR110	3700
TERRAIN	595121.00N/1550103.00W	2376 (2400)								AS1500	3900

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
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2

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FACILITY
RNAV

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
TREE	595954.00N/1544906.00W	1.30	1346	510	215	8	4B	300		SI/RA49	1660
CATEGORY B											
AAO	600024.00N/1544818.00W	1.83	1346	630	215	8	4B	300		SI/RA49	1660

CIRCLING REMARKS:

MSA

CENTER
RW02

RADIUS
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	AAO	600509.00N/1535706.00W	062	27.6	5365	215	8	4B	1000			6400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



AIRPORT ID
5NN/PANO

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
NONDALTON

STATE
AK

AIRPORT ELEVATION
314

FACILITY
RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, ILIAMNA FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	ILI/PAIL	24	ILI/PAIL	13.69	Y	48.6

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PANO 314.0, PAIL 192.4
RA = 48.58.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
			3

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW02 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)		
RW20 - MIRL (PCL), REIL (PCL), PAPI-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>	<u>TCH</u>
					3.50	30.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="checkbox"/>	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 2		
20:1			
451 TOWER (02-023129) 595824.5900N/1545108.7700W (54.59)	431 TANK (02-023128) 595823.7000N/1545109.6000W (29.72)		
412 TOWER (02-000504) 595824.4500N/1545108.4400W (15.54)			
FINAL TYPE	LNAV		
20:1			
451 TOWER (02-023129) 595824.5900N/1545108.7700W (54.59)	431 TANK (02-023128) 595823.7000N/1545109.6000W (29.72)		
412 TOWER (02-000504) 595824.4500N/1545108.4400W (15.54)			



AIRPORT ID
5NN/PANO

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
NONDALTON

STATE
AK

AIRPORT ELEVATION
314

FACILITY
RNAV

PENETRATIONS REMARKS:

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RWY 2-20 GRAVEL, NO MARKINGS

FAF NOT ESTABLISHED AT A PFAF LOCATION DUE TO PROCEDURE BEING OFFSET.
TAA AND LNAV/VNAV NA PER FPT AND AIRPORT SURVEY.

60 FT VEGETATION HEIGHT USED PER FPT.

* FOR MISSED APPROACH SEGMENT CONTAINING 216 FT/NM CG
NO ADDITIONAL AIRSPACE REQUIRED.

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	8.60
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	033.81
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	2400
DISTANCE FROM	THLD	TO 1500FT POINT	9.60
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	033.81
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	2400

THRESHOLD COORDINATES (IF STR-IN)

595837.91N/1545037.84W

ARP COORDINATES

595848.83N/1545021.03W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 2 DISTANCE 0.23 NM

FAF COORDINATES

595021.16N/1550142.30W

FIX NAME COORDINATES

REMARKS



AIRPORT ID
5NN/PANO

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
NONDALTON

STATE
AK

AIRPORT ELEVATION
314

FACILITY
RNAV

PART E: PREPARED BY

NAME

JOSHUA LEETE

OFFICE

AJV-A422

DATE

03/05/2024

TITLE

AERONAUTICAL INFORMATION SPECIALIST

