

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> 5NN/PANO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> NONDALTON	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 314	<u>TDZE</u> 314	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 09/13/2018
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 14E
				<u>EPOCH YEAR</u> 2020
				<u>CANCEL/SUSPEND</u>

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:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD SW ASVIW, RT, 039.92 INBOUND, 5000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 019.81

FAF: DILAY

DIST FAF TO MAP: 10.00

DIST FAF TO THLD: 10.00
4. 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
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 NOT CLEAR

20:1: IS NOT CLEAR

TCH:
8. 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

X

AOPA

X

APA

HAI

NBAA

X

OTHER: AIRPORT MANAGER, ZAN, ILI FSS

FLIGHT CHECKED BY

JAMES D ARNOLD

DEVELOPED BY

JOSHUA LEETE

APPROVED BY

RAKE MCGRAW

Digitally signed by

CASEY D HILL

Apr 29, 2024

Digitally signed by

JOSHUA LEETE

Mar 05, 2024

Digitally signed by

CASEY D HILL

Mar 26, 2024

OFFICE

FPO

OFFICE

AJV-A422

OFFICE

AJV-A422

DATE

04/10/2024

DATE

03/05/2024

DATE

05/16/2024

TITLE

MANAGER

