

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> PHO/PAPO	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> POINT HOPE	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 21	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-A	<u>DATED</u> 09/05/2024	<u>MAG VAR</u> 6E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2025
			<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>
SUGRE	IAF	FSTOR	NOPT	TF	FB	1.00	327.26	17.08	3000
FSTOR	IF/IAF	DEREK		TF	FB	1.00	272.70	6.00	1700
DEREK	FAF	SSAME/2.45 NM TO SMPLY		TF	FB	0.30	269.50	3.05	
SSAME/2.45 NM TO SMPLY		SMPLY	MAP	TF	FO	0.30	269.50	2.45	
SMPLY	MAP	500 MSL		CA			269.50		500
500 MSL		COPOX		DF	FO	1.00			3300

MISSED APPROACH

MAP:

SMPLY

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3300 DIRECT COPOX AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD E FSTOR, RT, 272.70 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 10000.
3. FAC: 269.50

FAF: DEREK

DIST FAF TO MAP: 5.49

DIST FAF TO THLD:
4. MIN ALT: FSTOR 3000, DEREK 1700, SSAME/2.45 NM TO SMPLY 980
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:

20:1:

TCH:
8. MSA FROM: ARP PAPO 3400



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LUR/PALU ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUGRE ON T229 SOUTHEAST BOUND.
CHART NOTE: RWY 3 AND 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART AT OR ABOVE 4000 AT SUGRE
HOLD E, RT, 261.80 INBOUND.
CHART FAS OBST: 75 ANTENNA (02-087997) 682042N/1664752W.
FAC CROSSES MIDPOINT OF RWY 3-21.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
CIRCLING	380	1	359	480	1	459	480	1 1/2	459	580	2	559			

CHANGES - REASONS

1. CHANGE ALL REFERENCES FOR FIX NAME FROM "KECYU/2.45 NM TO SMPLY" TO "SSAME/2.45 NM TO SMPLY" - NEW SDF NAME CHANGE FROM FPT/ATC.
2. ADDITIONAL FLIGHT DATA: CHANGE FROM "CHART AT OR ABOVE 8000 AT SUGRE" TO "CHART AT OR ABOVE 4000 AT SUGRE" - LOWERED TO MATCH MEA T229.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒

OTHER: ZAN, W-FPT, AK DOT/PF (NORTHERN REGION)

FLIGHT CHECKED BY

EDWARD W MESA

Digitally signed by

RAKE MCGRAW

Jun 02, 2025

OFFICE

AJF

DATE

05/28/2025

Digitally signed by

RAKE MCGRAW

Jun 02, 2025

OFFICE

AJV-A422

DATE

04/24/2025

DEVELOPED BY

DANIEL WESTON

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

Jun 02, 2025

OFFICE

AJV-A422

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u> PHO/PAPO	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>AMDT NO.</u> 1	<u>CITY</u> POINT HOPE	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 21	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM SUGRE **TO** FSTOR

RNP 1.00 **DISTANCE** 17.08 **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	680945.00N/1655739.00W	952	215	8	4B	2000					3000
TERRAIN	680945.00N/1655739.00W	751 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM FSTOR (IF/IAF) **TO** DEREK

RNP 1.00 **DISTANCE** 6.00 **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	682106.00N/1661545.00W	305	215	8	4B	500				AT895	1700
TERRAIN	682109.00N/1661548.00W	104 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
10
CHECKED

FINAL: LNAV

FROM

DEREK

TO

SSAME/2.45 NM TO SMPLY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.05										
<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	682000.00N/1663206.00W	263	215	8	4B	250				DG367 RA100	980

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

SSAME/2.45 NM TO SMPLY

TO

SMPLY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.45		SMPLY								
<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>
ANTENNA (02-087997)	682041.99N/1664752.25W	75	20	3	1A	250					340

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

FSTOR

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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	681542.00N/1655621.00W	1191	215	8	4B	1000				AT809	3000
TERRAIN	681542.00N/1655621.00W	990 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

SMPLY

TO

COPOX

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 280				
<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				3300
AAO	683203.00N/1661236.00W	978	215	8	4B	1000					2000
TERRAIN	683139.00N/1661509.00W	462 (500)								AS1500	2000

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 (02-102813)	682039.43N/1664754.92W	1.30	359	75	20	3	1A	300			380
CATEGORY B											
ANTENNA (02-102813)	682039.43N/1664754.92W	1.81	459	75	20	3	1A	300		HAA	480
CATEGORY C											
ANTENNA (02-102813)	682039.43N/1664754.92W	2.84	459	75	20	3	1A	300		HAA	480
CATEGORY D											
AAO	682245.00N/1663842.00W	3.70	559	230	215	8	4B	300		HAA	580

CIRCLING REMARKS:

MSA

CENTER

ARP PAPO

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	683424.00N/1654621.00W	053	26.5	2346	215	8	4B	1000			3400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> PHO/PAPO	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PHO/PAPO	<u>DISTANCE</u> 0.22	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> LUR/PALU	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> LUR/PALU	<u>DISTANCE</u> 35.16	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 82

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PAPO 21, PALU 16
RA = 81.6.

<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>	
RW03 - MIRL (PCL), PAPI-4R (PCL)	NPI-G		
RW21 - MIRL (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>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	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
20:1	
IS CLEAR, PER FPT.	
FINAL TYPE	CIRCLING
34:1	
ASSUMED OBSTACLES	
<u>PENETRATIONS REMARKS:</u>	

QUALITY
10
CHECKED

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

NEW RUNWAY. NO SURVEY.

PER FPT: ASSUMED VEGETATION WAS NOT USED IN THE 20:1 VISUAL PORTION. AIRPORT WILL ENSURE ALL SAFETY AREAS FOR RUNWAYS AND INSTRUMENT APPROACH PROCEDURES REMAIN CLEAR OF VEGETATION, VEHICLES, AND OBSTACLES.

5 FT ASSUMED VEGETATION HEIGHT OUTSIDE OF 20:1 VISUAL AREA, PER FPT.

50 FT AAO ADDED TO WATER FOR FISHING BOATS AND BARGES. THIS IS ALSO HIGH ENOUGH TO ACCOUNT FOR ICE FLOES.

VDP NOT ESTABLISHED - PROCEDURE IS CIRCLING-ONLY.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CIRCLING ONLY ALIGNMENT TO REMAIN OVER LAND, PER RAPT CONSENSUS.

BACKUP ALTIMETER NOTE CHARTED BY FPT REQUEST.

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	MAP	TO 1000FT POINT	3.49
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	275.5
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	MAP	TO 1500FT POINT	5.16
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.83
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	275.5
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN)

ARP COORDINATES	682053.26N/1664756.86W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 21 DISTANCE 0.33 NM
FAF COORDINATES	682021.55N/1663245.08W
FIX NAME COORDINATES	MAP SMPLY 682052.36N/1664730.30W

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DANIEL WESTON	AJV-A422	04/24/2025	AERONAUTICAL INFORMATION SPECIALIST



AIRPORT ID
PHO/PAPO

PROCEDURE NAME
RNAV (GPS)-A

AMDT NO.
1

CITY
POINT HOPE

STATE
AK

AIRPORT ELEVATION
21

FACILITY
RNAV

