

**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> PAHP	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> HOOPER BAY	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 20	<u>TDZE</u> 20	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 08/15/2019	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 050/30 CW 180/30	NOPT	COYRA	IF/IAF	2000
2. 180/30 CW 231/30	NOPT	180/7 CW 231/7		3800
3. 180/7 CW 231/7		COYRA	IF/IAF	2000
4. 231/30 CW 320/30		UYYUK	IAF	3800
5. 320/30 CW 050/30		LUYGE	IAF	2000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UYYUK	IAF	COYRA	NOPT	TF	FB	1.00	230.64	7.00	2000
LUYGE	IAF	COYRA	NOPT	TF	FB	1.00	050.27	7.00	2000
COYRA	IF/IAF	SAYOY		TF	FB	1.00	140.45	7.00	1500
SAYOY	FAF	WUTEL/2.50 NM TO RW14		TF	FB	0.30	140.56	2.01	
WUTEL/2.50 NM TO RW14		RW14	MAP	TF	FO	0.30	140.56	2.50	
RW14	MAP	220 MSL		CA			140.56		
220 MSL		JUGLO		DF	FO	1.00			2000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT JUGLO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NW COYRA, RT, 140.45 INBOUND, 2000 FT. IN LIEU OF PT (IF/IAF), MAX 6000.					
3. FAC:	140.56	FAF: SAYOY	DIST FAF TO MAP: 4.51	DIST FAF TO THLD: 4.51	
4. MIN ALT:	COYRA 2000, SAYOY 1500, WUTEL/2.50 NM TO RW14 860				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.49	GS ANT:
6. MIN GP INCPT:	1500	GP ALT AT PFAF :	SAYOY 1500	OM:	MM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 45.0	IM:
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 32 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART KENAI RADIO RCO.
HOLD SE, RT, 320.81 INBOUND.
CHART FAS OBST: 44 TREE 613207N/1660813W.
CHART VDP AT 0.85 NM TO RW14.
WAAS CHANNEL # 82224
REFERENCE PATH ID: W14A
CHART CIRCLING ICON.
CHART ANCHORAGE CENTER FREQUENCY.
LTP HAE: 14.1 M



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
LPV DA	220	1	200	220	1	200	220	1	200	220	1	200				
LNAV/VNAV DA	270	1	250	270	1	250	270	1	250	270	1	250				
LNAV MDA	300	1	280	300	1	280	300	1	280	300	1	280				
CIRCLING	400	1	380	480	1	460	480	1 1/2	460	580	2	560				

CHANGES - REASONS

- AIRPORT MAG/VAR CHANGED FROM E13 2005 TO E08 2025 - CURRENT MAG/VAR OUT OF TOLERANCE.
- RWY NUMBER CHANGED FROM RWY 13 TO RWY 14 - MAG/VAR UPDATE.
- TAA CHANGED FROM SIMPLIFIED SEMI-CIRCLE STRAIGHT-IN TAA TO STANDARD TAA T-CONFIGURATION - FPT DIRECTIVE BY CHECKLIST.
- ADDED INITIAL FROM LUYGE TO COYRA - FPT DIRECTED TO SUPPORT NEW TAA DESIGN.
- ADDED INITIAL FROM UYYUK TO COYRA - FPT DIRECTED TO SUPPORT NEW TAA DESIGN.
- COYRA TO SAYOY INTERMEDIATE CHANGED: CRS CHANGED FROM 135.49 TO 140.45; DISTANCE CHANGED FROM 5 TO 7 NM - MAG/VAR UPDATE; COYRA MOVED 1.98 NM NW AND SAYOY MOVED 145 FT SE.
- COYRA (IF/IAF) ALTITUDE RAISED FROM 1800 TO 2000 - FPT DIRECTED TO SUPPORT NEW TAA DESIGN.
- SOYAY (PFAF) TO WUTEL FINAL CHANGED: CRS CHANGED FROM 135.57 TO 140.56; DISTANCE CHANGED FROM 3.03 TO 2.01 NM - MAG/VAR UPDATE; WUTUL MOVED 145 FT NW AND WUTEL MOVED 1 NM NW.
- WUTEL STEPDOWN ALTITUDE CHANGED FROM 520 TO 860 - RAISED TO 860 TO PLACE STEPDOWN ON VDA; VDA INCLUDES RA ADJUSTMENT.
- WUTEL TO MAP CHANGED, DELETED YUCOT FROM PROCEDURE, UPDATED WUTEL ATD FIX TO REFLECT RW14 - FPT DIRECTED TO MOVE MAP TO THRESHOLD.
- MISSED APPROACH CHANGED FROM DIRECT FROM YOCUT TO DIRECT FROM MAP/DA (RWY 14 THLD) - FPT DIRECTED TO SUPPORT ADDING VERTICALLY GUIDED MINIMUMS.
- MISSED ALT AT JUGLO INCREASED FROM 1800 TO 2000 - FPT DIRECTED TO SUPPORT TAA T-CONFIGURATION FOR RNAV (GPS) RWY 32 PROCEDURE.
- HIL (COYRA) CRS CHANGED FROM 135.49 TO 140.45 - MAG/VAR UPDATE AND CORRESPOND WITH INTERMEDIATE COURSE.
- FAC CHANGED FROM 135.57 TO 140.56 - MAG/VAR UPDATE AND SAYOY.
- DIST FROM MAP/THLD CHANGED FROM 4.03/4.53 TO 4.51/4.51 - MAP MOVED TO THLD; PFAF MOVED.
- REPLACED VDA TO RW14 WITH GP ANGLE/TCH (LINE 7) - VERTICALLY GUIDED MINS ADDED TO PROCEDURE.
- ADDED GPS TO RNP APCH PBN NOTE - CORRECTED BY REQUIREMENT.
- UPDATED VGSI INOP NOTE (DESCENT ANGLE) WITH GLIDEPATH ANGLE - ADDED VERTICALLY GUIDED MINS.
- REMOVED LP MINS AND ADDED LPV AND LNAV/VNAV MINIMUMS - FPT DIRECTED BY CHECKLIST.
- LNAV MDA LOWERED FROM 320/300 TO 300/280 - OBSTACLE EVAL, LOWER MINS DIRECTED BY FPT.
- CIRCLING CAT A MDA/HAA LOWERED FROM 420/400 TO 400/380 - LOWER MINS DIRECTED BY FPT.
- CRC REMAINDER CHANGED FROM 517F0DA2 TO A88DDD9D - FAS DATA CHANGED: RPI CHANGED TO FROM W13A TO W14A; FPAP UPDATED AFTER MOVING MAP FROM YOCUT TO THLD; VAL ADDED AFTER ADDING VERTICALLY GUIDED MINS.
- CA MSL CHANGED FROM 320 TO 220; ADDED DIST 200 FT HAT DIST 0.49 TO LINE 5; REPLACED VDA/TCH IN ADDITIONAL FLIGHT DATA WITH GP ANGLE/TCH - LP REPLACED WITH LPV MINS; LPV DA 220.
- CIRCLING NA NOTE CHANGED FROM "CIRCLING RWY 31 NA AT NIGHT" TO "CIRCLING RWY 32 NA AT NIGHT" - RWY NUMBERS CHANGED.
- ADDED NA WHEN LOCAL WEATHER NOT AVAILABLE TO ALT MIN NOTE - PILOT REFERENCE.
- FAS OBST CHANGED FROM 35 VEGETATION 613147N/1160904W, 34 WIND_INDICATOR 613134N/1660849W TO 44 TREE 613207N/1660813W - TARGETS OBSTACLE EVAL.
- ADDED VDP - MAP CHANGED TO RW14, NO LONGER WITHIN 0.5 NM OF STEPDOWN FIX.
- MISSED HOLDING INBOUND COURSE CHANGE FROM 315.80 TO 320.81 - MAG/VAR UPDATE AND ALIGN WITH R32 INTERMEDIATE COURSE.
- ADDED CHART ANCHORAGE CENTER FREQUENCY - PROVIDE PILOT REFERENCE AT UNCONTROLLED AIRPORT UTILIZING FSS FREQUENCY.
- LINE 6 ADDED MIN GP INCPT: 1500 AND GP ALT AT PFAF: SAYOY 1500 - ADDED LPV AND LNAV/VNAV MINS.
- ADDED NOTE FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C OR ABOVE 54C - ADDED LNAV/VNAV MINS.
- CA COURSE CHANGED FROM 135.57 TO 140.56 - MAG/VAR UPDATE AND FAF/PFAF RELOCATED.
- ADDED ADDITIONAL FLIGHT DATA NOTE TO CHART KENAI RADIO - VALIDATE EXISTING CHARTING OF KENAI RADIO.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZAN, KENAI FSS

FLIGHT CHECKED BY

EDWARD W MESA

Digitally signed by

ERIC N SUSKI

Jul 11, 2022

OFFICE

FPO

DATE

06/29/2022

DEVELOPED BY

KELLY DEAN

Digitally signed by

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Jun 30, 2022

OFFICE

AJV-A431

DATE

03/25/2022

APPROVED BY

LONNIE EVERHART

Digitally signed by

ERIC N SUSKI

Jun 30, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAHP
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	613139.8070N
LTP/FTP LONGITUDE	1660905.5495W
LTP/FTP ELLIPSOIDAL HEIGHT	+00141
FPAP LATITUDE	613023.9340N
FPAP LONGITUDE	1660728.7665W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A88DDD9D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00059
FPAP ORTHOMETRIC HEIGHT	+00059