

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</u> QUINHAGAK	<u>AIRPORT ID</u> PAQH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> QUINHAGAK	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 42	<u>TDZE</u> 42	<u>SUPERSEDED</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 03/31/2016	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 053/30 CW 193/30	NOPT	HOTKU	IF/IAF	2500
2. 193/30 CW 303/30		193/15 CW 303/15		4800
3. 193/15 CW 303/15		BATTU	IAF	2500
4. 303/30 CW 053/30		303/15 CW 053/15		4800
5. 303/15 CW 053/15		AVNAC	IAF	2500

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>
AVNAC	IAF	HOTKU	NOPT	TF	FB	1.00	052.67	6.50	2500
BATTU	IAF	HOTKU	NOPT	TF	FB	1.00	192.92	6.50	2500
HOTKU	IF/IAF	JOSAD		TF	FB	1.00	122.84	5.94	1600
JOSAD	FAF	RW12	MAP	TF	FO	0.30	122.96	4.79	
RW12	MAP	292 MSL		CA			122.96		
292 MSL		CUTEB		DF	FO	1.00			5200



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW12

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 5200 DIRECT CUTEB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5200.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2.	HOLD NW HOTKU, RT, 122.84 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.							
3. FAC:	122.96	FAF: JOSAD	DIST FAF TO MAP: 4.79	DIST FAF TO THLD: 4.79				
4. MIN ALT:	HOTKU 2500, JOSAD 1600							
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.67	GS ANT:			
6. MIN GP INCPT: 1600	GP ALT AT FAF : JOSAD 1600			OM:	MM:	IM:		
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 35.0					
8. MSA FROM:								

PBN REQUIREMENTS NOTE:
RNP APCH.

NOTES:
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KIPNUK ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KIPNUK ALTIMETER SETTING AND INCREASE ALL DA AND MDA 160 FEET; INCREASE LPV ALL CATS VISIBILITY AND LNAV/VNAV ALL CATS VISIBILITY 1/8 SM, LNAV CATS C, D VISIBILITY 3/8 SM, INCREASE CIRCLING CAT C VISIBILITY 1/2 SM, INCREASE CIRCLING CAT D VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:
CHART CIRCLING ICON
CHART VDP AT 1.36 NM TO RW12*
*LNAV ONLY
WAAS CHANNEL #99311
REFERENCE PATH ID: W12A
FAS OBST: 249 AAO 594749N/1615554W.
HOLD SE, RT, 303.43 INBOUND
LTP HAE: 25.4 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	292	1	250	292	1	250	292	1	250	292	1	250			
LNAV/VNAV DA	292	1	250	292	1	250	292	1	250	292	1	250			
LNAV MDA	500	1	458	500	1	458	500	1 3/8	458	500	1 3/8	458			
CIRCLING	500	1	458	500	1	458	580	1 1/2	538	600	2	558			

CHANGES - REASONS

1. ADDED 20:1 IS CLEAR TO LINE 7 - 8260.19H CHAPTER 8.
2. CHANGED RNP VALUE FOR INTERMEDIATE SEGMENT FROM 0.50 TO 1.00 - 8260.19H CHAPTER 8 NEW SPECIFICATION.
3. REMOVED CHART NOTE: DME/DME RNP-0.3 - 8260.19H CHAPTER 8.
4. ADDED PBN REQUIREMENT NOTE: RNP APCH - PER 8260.19H CHAPTER 8.
5. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA FROM 8260.3 CHAPTER 2, ALREADY APPLIED ON AMENDMENT 1, ICON NEVER ADDED.
6. REMOVED CHART NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT - VGSI DECOMISSIONED.
7. REMOVED FAHRENHEIT TEMPERATURES FROM CRITICAL TEMPERATURES - 8260.19H CHAPTER 8.
8. DECREASED LPV AND LNAV/VNAV VISILITY FROM 1 3/8 SM TO 1 1/8 SM, WHEN USING KIPNUK ALTIMETER SETTING - PER VISCHECK TOOL AND 8360.3D 3-3-2.
9. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KIPNUK ALTIMETER SETTING AND INCREASE ALL DA AND MDA 160 FEET; INCREASE LPV ALL CATS VISIBILITY, LNAV/VNAV. ALL CATS VISIBILITY AND LNAV CATS C,D VISIBILITY 3/8 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE, INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE - PER 8360.19H 8-6-9E (7) AND 8360.3D 3-3-2.
10. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KIPNUK ALTIMETER SETTING AND INCREASE ALL DA AND MDA 160 FEET; INCREASE LPV ALL CATS VISIBILITY AND LNAV/VNAV ALL CATS VISIBILITY 1/8 SM, LNAV CATS C, D VISIBILITY 3/8 SM, INCREASE CIRCLING CAT C VISIBILITY 1/2 SM, INCREASE CIRCLING CAT D VISIBILITY 1/4 SM - PER 8360.19H 8-6-9E (7) AND 8360.3D 3-3-2.
11. ADDED MAX 6000 TO HOLD-IN-LIEU ON LINE 2 - PER .19H PARA 8-6-7B (2).

COORDINATED WITH:A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ **OTHER:** AIRPORT MGR, ZAN**FLIGHT CHECKED BY**PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED**DEVELOPED BY**

DAVID DANNER (KARLIE BUNTIN)

APPROVED BY

JULIE MORGAN

Digitally signed by

DAVID DANNER

Mar 11, 2019

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DAVID DANNER

Mar 11, 2019

OFFICE

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DAVID DANNER

Mar 11, 2019

OFFICE

AJV-A421

OFFICE

A42

DATE**DATE**

02/11/2019

DATE**TITLE**

MANAGER

QUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAQH
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	594532.0365N
LTP/FTP LONGITUDE	1615111.3725W
LTP/FTP ELLIPSOIDAL HEIGHT	+00254
FPAP LATITUDE	594430.2190N
FPAP LONGITUDE	1614904.8520W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	B4D363A3
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00125
FPAP ORTHOMETRIC HEIGHT	+00125

