

**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> PAHV	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> HEALY	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 1275	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 29 DECEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
CAWIN		RIFFS		TF	FB	1.00	348.89	15.79	8900
RIFFS	IAF	LOUMA		TF	FB	1.00	349.09	6.00	7900
LOUMA	IF	FURZY		TF	FB	1.00	349.62	7.84	5800
FURZY	FAF	STALE/3.90 NM TO WATOP		TF	FB	0.30	323.56	2.04	
STALE/3.90 NM TO WATOP		WATOP	MAP	TF	FO	0.30	323.56	3.90	
WATOP	MAP	1675 MSL		CA			323.56		
1675 MSL		TOTLE		DF	FB	1.00			
TOTLE		EVIEE		TF	FO	1.00	277.89	10.88	5800

MISSED APPROACH

MAP:
WATOP

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5800 DIRECT TOTLE AND ON TRACK 277.89 TO EVIEE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT LOUMA

3. FAC: 323.56

FAF: FURZY

DIST FAF TO MAP: 5.94

DIST FAF TO THLD:

4. MIN ALT: LOUMA 7900, FURZY 5800, STALE/3.90 NM TO WATOP 5200

5. DIST TO THLD FROM FAF:

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: ARP PAHV 8600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 15 AND 33 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CAWIN ON V438 AND T227 SOUTHWEST BOUND.
CHART NOTE: USE MCKINLEY PARK ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.

ADDITIONAL FLIGHT DATA:

FAC CROSSES RWY 33 THLD.
CHART MCKINLEY NTL PARK AWOS-3
HOLD W, RT, 097.54 INBOUND.
FAS OBST: 3000 AAO 634900N/1485442W.
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
CIRCLING	3640	1 1/4	2365	3640	1 1/2	2365	3720	3	2445						



CHANGES - REASONS

1. MOVED MAP WATOP 1.0 FT ALONG THE FAC TOWARDS THE FAF - MAP MUST BE BETWEEN FEP AND FAF IAW 8260.58B 3-2-2.B; PREVIOUS MAP WAS 0.17 FT PAST FEP IN TARGETS EVAL.
2. CHANGED MINIMUM ALTITUDE FOR LEG LOUMA TO FURZY FROM "5700" TO "5800" - MINIMUM ALTITUDE CALCULATED IAW 8260.3D 2-5-2 AND 3-2-2.
3. CHANGED LEG 1675 MSL TO TOTLE IN TERMINAL ROUTES FROM "FO" TO "FB" AND MINIMUM ALTITUDE REMOVED - LEG APPENDED TO MISSED APPROACH PER FPT.
4. ADDED LEG TOTLE TO EVIEE IN TERMINAL ROUTES - MISSED APPROACH REDESIGNED PER FPT.
5. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 5700 DIRECT TOTLE AND HOLD" TO "CLIMB TO 5800 DIRECT TOTLE AND ON TRACK 277.89 TO EVIEE AND HOLD" - MISSED APPROACH REDESIGNED PER FPT.
6. CHANGED PROFILE LINE 4 FROM "LOUMA 7900, FURZY 5700, STALE/3.90 NM TO WATOP 5020" TO "LOUMA 7900, FURZY 5800, STALE/3.90 NM TO WATOP 5200" - FURZY MINIMUM ALTITUDE CALCULATED IAW 8260.3D 2-5-2 AND 3-2-2, STALE HAS NEW CONTROLLING OBSTACLE.
7. ADDED "34:1 IS NOT CLEAR" AND "20:1 IS NOT CLEAR" TO LINE 7 - THERE ARE 34:1 AND 20:1 PENETRATIONS TO RWY 15 AND 33.
8. CHANGED PROFILE LINE 8 FROM "WATOP 8700" TO "ARP PAHV 8600" - NEW CONTROLLING OBSTACLE; PROCEDURE IS CIRCLING ALIGNED, MSA POINT MOVED FROM MAP TO ARP IAW 8260.3D 2-3-2.B(2), DOCUMENTED IAW 8260.19I 8-6-7.H.(1).
9. ADDED PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - IAW 8260.19I 8-6-8.B.(2).
10. REMOVED DME/DME RNP -0.3 NA - NO LONGER REQUIRED.
11. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 15 AND 33 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - UPDATED NOTE FORMAT IAW 8260.19I 8-6-11.K.(3).
12. CHANGED NOTE FROM "CHART NOT: USE MCKINLEY PARK ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA" TO "CHART NOTE: USE MCKINLEY PARK ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA" - CORRECTED TYPO ON "NOTE".
13. REMOVED ADDITIONAL FLIGHT DATA NOTE "3900 AAO 364812N/1485306W" - 7:1 EXCLUDED OBSTACLES WERE NOT USED IN THIS EVALUATION.
14. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "FAS OBST: 3000 AAO 634902N/1485444W" TO "FAS OBST: 3000 AAO 634900N/1485442W" - NEW CONTROLLING OBSTACLE.
15. CHANGED HOLDING IN ADDITIONAL FLIGHT DATA FROM "HOLD NW, RT, 135.97 INBOUND" TO "HOLD W, RT, 097.54 INBOUND" - NEW HOLDING PATTERN BASED ON REDESIGNED MISSED APPROACH PER FPT.
16. ADDED "CHART MCKINLEY NTL PARK AWOS-3" TO ADDITIONAL FLIGHT DATA - PRIMARY ALTIMETER IS REMOTE, IAW 8260.19I 8-2-4.B.(3).
17. CIRCLING CATS A AND B MDA/HAA CHANGED FROM "3600/2325" TO "3640/2365" - NEW CONTROLLING OBSTACLE IN FINAL SEGMENT, IAW 8260.3D 3-2-1.G.
18. CIRCLING CAT C MDA/HAA CHANGED FROM "3700/2425" TO "3720/2445" - NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, AMGR, ST. AV. DIR.

FLIGHT CHECKED BY

PAUL A GOSDEN

Digitally signed by
JASON KRETSCHMER
Sep 21, 2021

OFFICE

FPO

DATE

09/11/2021

DEVELOPED BY

JASON KRETSCHMER (COLIN CAMPBELL)

Digitally signed by
JASON KRETSCHMER
Jul 07, 2021

OFFICE

AJV-A421

DATE

05/12/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
Jul 07, 2021

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AJV-A420

DATE

TITLE
MANAGER

