

**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) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> HEALY	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 1275	<u>TDZE</u> 1275	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<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>
CRISL		PAWWW		TF	FB	1.00	340.65	11.12	5800
PAWWW	IAF	TOTLE		TF	FB	1.00	045.62	11.88	5000
EVIEE	IAF	TOTLE		TF	FB	1.00	097.54	10.88	5000
YURUL	IAF	MUSIE		TF	FB	1.00	226.26	4.68	5600
MUSIE		TOTLE		TF	FB	1.00	226.11	4.68	5000
TOTLE	IF	ICALE		TF	FB	1.00	135.97	5.40	4000
ICALE		CWILL		TF	FB	1.00	136.06	2.60	3200
CWILL	FAF	EMIDE/3.00 NM TO CRONY		TF	FB	0.30	136.10	1.41	
EMIDE/3.00 NM TO CRONY		CRONY	MAP	TF	FO	0.30	136.10	3.00	
CRONY	MAP	1675 MSL		CA			136.10		
1675 MSL		TOTLE		DF	FB	1.00			
TOTLE		EVIEE		TF	FO	1.00	277.89	10.88	5800

MISSED APPROACH

MAP:

LP: CRONY
LNAV: CRONY

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 5800 DIRECT TOTLE AND ON TRACK 277.89 TO EVIEE AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 340 FEET PER NM TO 3100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT TOTLE					
3. FAF:	136.10	FAF: CWILL	DIST FAF TO MAP: 4.41	DIST FAF TO THLD: 4.90	
4. MIN ALT: TOTLE 5000, ICALE 4000, CWILL 3200, EMIDE/3.00 NM TO CRONY 2640					
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: CRONY 8600					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA NE OF RWY 15-33.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: USE MCKINLEY PARK ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.
CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 19.99 DEGREES.
FICTITIOUS THRESHOLD POINT (CFPRV) DO NOT CHART.
CHART MCKINLEY NTL PARK AWOS-3
HOLD W, RT, 097.54 INBOUND.
CHART FAS OBST: 1911 TREE (02-216410) 635217N/1485652W.
FAS OBST: 1700 AAO 635442N/1485942W.
2200 AAO 635556N/1485950W, 1900 AAO 635545N/1490012W.
WAAS CHANNEL # 53539
REFERENCE PATH ID: W15A
FAC CROSSES RWY C/L EXTENDED 3002 FT FROM THLD.
CHART CIRCLING ICON.
CWILL TO RW15: 3.66/40.
FTP HAE: 395.8 M



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
LP MDA *	2100	1	825	2100	1 1/4	825									
LP MDA	2240	1 1/4	965	2240	1 1/2	965									
LNAV MDA *	2260	1 1/4	985	2260	1 1/2	985									
LNAV MDA	2560	1 1/4	1285	2560	1 1/2	1285									
CIRCLING	2560	1 1/4	1285	2560	1 1/2	1285									



CHANGES - REASONS

1. DELETED FIX FIGRO - REPLACED WITH PAWWW DUE TO REDESIGN PER FPT.
2. MOVED IAF YURUL 1.36 NM EAST - EXPANDING RESTRICTED AREA REQUIRES REDESIGN OF ARRIVALS TO APPROACH PER FPT.
3. MOVED FTP CFPRV 181 FT SE - FTP ADJUSTED IAW NEW EVALUATION SOFTWARE.
4. REMOVED TAA AND ADDED MSA TO PROCEDURE - EXPANDING RESTRICTED AREA REQUIRES REDESIGN OF ARRIVALS TO APPROACH PER FPT.
5. ADDED FEEDER CRISL TO PAWWW IN TERMINAL ROUTES - PROCEDURE ARRIVALS REDESIGNED PER FPT.
6. CHANGED TERMINAL ROUTES LEG/CRS/DISTANCE/ALTITUDE FROM "FIGRO TO TOTLE/45.73/8.00/5700" TO "PAWWW TO TOTLE/45.62/11.88/5000" - FIGRO REPLACED WITH PAWWW DUE TO REDESIGN PER FPT, IF ALTITUDE LOWERED DUE TO NEW OBSTACLE EVALUATION AND REMOVAL OF HIL.
7. ADDED IAF EVIEE TO TOTLE IN TERMINAL ROUTES - PROCEDURE ARRIVALS REDESIGNED PER FPT.
8. REMOVED LEG YURUL TO TOTLE FROM TERMINAL ROUTES - YURUL MOVED, LEG WILL BE REPLACED WITH TWO NEW LEGS PER FPT.
9. ADDED LEG YURUL TO MUSIE TO TERMINAL ROUTES - PROCEDURE ARRIVALS REDESIGNED PER FPT, SDF (MUSIE) ADDED TO LOWER IF ALTITUDE.
10. ADDED LEG MUSIE TO TOTLE TO TERMINAL ROUTES - PROCEDURE ARRIVALS REDESIGNED PER FPT, SDF (MUSIE) ADDED TO LOWER IF ALTITUDE.
11. ADDED LEG TOTLE TO EVIEE TO TERMINAL ROUTES - MISSED APPROACH REDESIGNED PER FPT, MISSED HOLDING AT TOTLE NO LONGER APPLICABLE DUE TO EXPANDING RESTRICTED AREA.
12. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING RIGHT TURN TO 5700 DIRECT TOTLE AND HOLD, CONTINUE CLIMB IN HOLD TO 5700. #MISSED APPROACH REQUIRES MINIMUM CLIMB OF 325 FEET PER NM TO 3900" TO "CLIMBING RIGHT TURN TO 5800 DIRECT TOTLE AND ON TRACK 277.89 TO EVIEE AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 340 FEET PER NM TO 3100" - MISSED APPROACH REDESIGNED PER FPT, MISSED HOLDING AT TOTLE NO LONGER APPLICABLE DUE TO EXPANDING RESTRICTED AREA, CLIMB GRADIENT ADJUSTED PER NEW OBSTACLE EVALUATION, FORMAT IAW 8260.19I 8-6-5.F.(1).
13. CHANGED PROFILE LINE 2 FROM "HOLD NW TOTLE, RT, 135.97 INBOUND, 5700 FT. IN LIEU OF PT (IAF)" TO "PROFILE STARTS AT TOTLE" - IAW 8260.19I 8-6-7.B.(3)(A), HOLD-IN-LIEU AT TOTLE NO LONGER APPLICABLE DUE TO EXPANDING RESTRICTED AREA PER FPT.
14. UPDATED PROFILE LINE 4 FROM "TOTLE 5700, ICALE 4000, CWILL 3200, EMIDE/3.00 NM TO CRONY 2640" TO "TOTLE 5000, ICALE 4000, CWILL 3200, EMIDE/3.00 NM TO CRONY 2640" - ALTITUDE AT TOTLE ADJUSTED FOR PROCEDURE ENTRY DESIGN CHANGES.
15. ADDED "20:1: IS NOT CLEAR" TO PROFILE LINE 7 - 20:1 PENETRATIONS EXIST TO RWY 15.
16. ADDED PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - IAW 8260.19I 8-6-8.B.(2).
17. REMOVED DME/DME RNP -0.3 NA - NO LONGER REQUIRED.
18. ADDED "CHART NOTE: CIRCLING NA NE OF RWY 15-33" TO NOTES SECTION - CIRCLING RESTRICTION ADDED PER FPT TO LOWER CMDA, IAW 8260.19I 8-6-11.O.(5)(A).
19. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 20.00 DEGREES" TO "CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 19.99 DEGREES" - UPDATED IAW NEW EVALUATION SOFTWARE.
20. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "FAC CROSSES RWY C/L EXTENDED 3001 FT FROM THLD" TO "FAC CROSSES RWY C/L EXTENDED 3002 FT FROM THLD" - UPDATED IAW NEW EVALUATION SOFTWARE.
21. ADDED "HOLD W, RT, 097.54 INBOUND" TO ADDITIONAL FLIGHT DATA - MISSED APPROACH HOLD IS NOW A STAND-ALONE PATTERN.
22. CHANGED CHART FAS OBST IN ADDITIONAL FLIGHT DATA FROM "1911 TREE 635217N/1485652W" TO "1911 TREE (02-216410) 635217N/1485652W" - OBSTACLE ID ADDED IAW 8260.19I 8-6-10.C..
23. UPDATED FAS OBST IN ADDITIONAL FLIGHT DATA FROM "1800 AAO 635442N/1485938W" TO "1700 AAO 635442N/1485942W" - NEW CONTROLLING OBSTACLE.
24. CHANGED 7:1 OBSTACLES IN ADDITIONAL FLIGHT DATA FROM "2126 AAO 635648N/1490054W" TO "2200 AAO 635556N/1485950W, 1900 AAO 635545N/1490012W" - NEW 7:1 OBSTACLES IDENTIFIED IN FINAL SEGMENTS.
25. UPDATED CWILL TO RWY15 NOTE IN ADDITIONAL FLIGHT DATA FROM "3.68/40" TO "3.66/40" - FAF TO FTP DISTANCE INCREASED WHICH LOWERED THE VDA.
26. UPDATED NOTE IN ADDITIONAL FLIGHT DATA FROM "FICTITIOUS THRESHOLD POINT CFPRV DO NOT CHART" TO "FICTITIOUS THRESHOLD POINT (CFPRV) DO NOT CHART" - PARENTHESES ADDED IAW 8260.19I2-10-4.A.(4).
27. ADDED "CHART MCKINLEY NTL PARK AWOS-3" TO ADDITIONAL FLIGHT DATA - PRIMARY ALTIMETER IS REMOTE, IAW 8260.19I 8-2-4.B.(3).
28. UPDATED LP WITH CG TITLE/MDA/HAT FROM "LP MDA # / 2120 / 845" TO "LP MDA * / 2100 / 825" - NEW SYMBOL IAW 8260.19I 8-6-6.F.(1), NEW CONTROLLING OBSTACLE.
29. UPDATED LNAV MDA/HAT FROM "2580 / 1305" TO "2560 / 1285" - NEW CONTROLLING OBSTACLE.
30. UPDATED CIRCLING CAT A CMDA/HAA FROM "2660 / 1385" TO "2560 / 1285" - NEW CONTROLLING OBSTACLE, RESTRICTION ADDED, ADJUSTED FOR SI MINIMA.
31. UPDATED CIRCLING CAT B CMDA/HAA FROM "2700 / 1425" TO "2560 / 1285" - NEW CONTROLLING OBSTACLE, RESTRICTION ADDED, ADJUSTED FOR SI MINIMA.
32. LTP/FTP LOCATION UPDATED IN FAS DATA FROM "635222.1790N/1485751.9830W" TO "635220.6050N/1485750.0970W" - FTP ADJUSTED IAW NEW EVALUATION SOFTWARE.
33. FPAP LOCATION UPDATED IN FAS DATA FROM "635103.6210/1485618.0525W" TO "635102.0465N/1485616.1680W" - FPAP ADJUSTED IAW NEW EVALUATION SOFTWARE.
34. UPDATED GPA IN FAS DATA FROM "3.68" TO "3.66" - FAF TO FTP DISTANCE INCREASED WHICH LOWERED THE VDA.
35. CRC REMAINDER CHANGED FROM "8C05F641" TO "7E06001D" - FTP AND FPAP MOVED, GPA ADJUSTED.



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

05/24/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Jul 07, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAHV
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	635220.6050N
LTP/FTP LONGITUDE	1485750.0970W
LTP/FTP ELLIPSOIDAL HEIGHT	+03958
FPAP LATITUDE	635102.0465N
FPAP LONGITUDE	1485616.1680W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.66
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	7E06001D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+03830
FPAP ORTHOMETRIC HEIGHT	+03830

