

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> GOLOVIN	<u>AIRPORT ID</u> PAGL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> GOLOVIN	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 57	<u>TDZE</u> 57	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 12/22/2005	<u>MAG VAR</u> 10E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<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. 281/30 CW 101/30	NOPT	ZOVAN	IF/IAF	3000
2. 101/30 CW 191/30		101/22 CW 191/22		4500
3. 101/22 CW 191/22		JODMI	IAF	3900
4. 191/30 CW 281/30		191/10 CW 281/10		4500
5. 191/10 CW 281/10		TAMVE	IAF	3700

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>
JODMI	IAF	ZOVAN	NOPT	TF	FB	1.00	101.03	8.00	3000
TAMVE	IAF	ZOVAN	NOPT	TF	FB	1.00	281.55	8.00	3000
ZOVAN	IF/IAF	HAPNA		TF	FB	1.00	011.29	8.00	2900
HAPNA	FAF	TINOC/3.80 NM TO XELHU		TF	FB	0.30	011.39	4.04	
TINOC/3.80 NM TO XELHU		VIYUV/2.20 NM TO XELHU		TF	FB	0.30	011.39	1.60	
VIYUV/2.20 NM TO XELHU		XELHU	MAP	TF	FO	0.30	011.39	2.20	
XELHU	MAP	500 MSL		CA			011.39		500
500 MSL		WUKPO		DF	FB	1.00			
WUKPO		WONAB		TF	FO	1.00	210.15	23.36	3000



MISSED APPROACH

MAP:

LNAV: XELHU

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT WUKPO AND ON TRACK 210.15 TO WONAB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)
2.	HOLD S ZOVAN, RT, 011.29 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.			
3. FAC:	011.39	FAF: HAPNA	DIST FAF TO MAP: 7.84	DIST FAF TO THLD: 8.48
4. MIN ALT:	ZOVAN 3000, HAPNA 2900, TINOC/3.80 NM TO XELHU 1580, VIYUV/2.20 NM TO XELHU 1040			
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	HAT:
6. MIN GP INCPT:	GP ALT AT FAF :	OM:	MM:	IM:
7. GP ANGLE:	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH:	
8. MSA FROM:				

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA SE OF RWY 3-21.
CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
TINOC TO RW03: 3.14/40.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.46 DEGREES.
CHART FAS OBST: 147 TOWER 643245N/1630137W.
FAC CROSSES RWY C/L EXTENDED 3026 FT FROM THLD.
HOLD W, RT, 089.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 1000-3

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
LNAV MDA	400	1	343	400	1	343	400	1	343	400	1	343			
CIRCLING	460	1	403	520	1	463	680	1 3/4	623	1000	3	943			



CHANGES - REASONS

1. AMENDED PROCEDURE MAGVAR FROM 16E (2005) TO 10E (2020) - WESTERN FPT CHECKLIST REQUEST.
2. AMENDED ALL REFERENCES TO RWY 2/20 TO RWY 3/21 - RWYS BEING RENUMBERED FOR MAGVAR UPDATE.
3. AMENDED PROCEDURE NAME FROM RNAV (GPS) RWY 2 TO RNAV (GPS) RWY 3 - RWY BEING RENUMBERED FOR MAGVAR UPDATE.
4. DELETED GACEY AND TOCOT INITIAL SEGMENTS - WESTERN FPT CHECKLIST REQUEST.
5. DELETED SOROC INTERMEDIATE AND HOLD-IN-LIEU SEGMENT - WESTERN FPT CHECKLIST REQUEST.
6. ADDED JODMI AND TAMVE INITIAL SEGMENTS - WESTERN FPT CHECKLIST REQUEST.
7. ADDED ZOVAN INTERMEDIATE AND HOLD-IN-LIEU SEGMENT - WESTERN FPT CHECKLIST REQUEST.
8. AMENDED ALL TAA SECTORS AND ALTITUDES - EVALUATED USING AMENDED MAGVAR VALUE, NEW IAF(S) AND IF/IAF, AND NEW STEPDOWN ARCS REQUESTED BY WESTERN FPT CHECKLIST.
9. MOVED HAPNA (FAF) 0.52 NM SOUTHWEST - WESTERN FPT CHECKLIST REQUEST, FINAL OFFSET TO AVOID HIGH TERRAIN AND ACHIEVE BEST MINIMUMS.
10. AMENDED MISSED APPROACH POINT FROM RUNWAY THRESHOLD TO XELHU - MOVED TO A POINT AT LEAST 3000 FEET PRIOR TO THRESHOLD DUE TO 14.46 DEGREE FINAL OFFSET AND NAMED IN ACCORDANCE WITH FAAO 8260.19H, PARA 2-10-5A(3)B.
11. MOVED TINOC STEPDOWN FIX 0.56 NM NORTH - ALIGNED WITH AMENDED FAF AND MAP LOCATIONS.
12. ADDED SECOND FINAL STEPDOWN FIX VIYUV - ACHIEVE BEST MINIMUMS.
13. DELETED MISSED APPROACH: CLIMBING LEFT TURN TO 3000 DIRECT WONAB AND HOLD - REPLACED BY NEW MISSED APPROACH.
14. ADDED MISSED APPROACH: CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT WUKPO AND ON TRACK 210.15 TO WONAB AND HOLD - WESTERN FPT CHECKLIST REQUEST.
15. AMENDED MISSED APPROACH INBOUND HOLDING COURSE FROM 088.52 TO 089.00 - WESTERN FPT CHECKLIST REQUEST.
16. AMENDED FINAL APPROACH COURSE FROM 004.90 TO 011.39 - COMPUTED USING UPDATED MAGVAR AND UPDATED POSITION OF HAPNA.
17. DELETED CHART 979 TREE 642830N/16330853W FROM ADDITIONAL FLIGHT DATA - REPLACED BY UPDATED OBSTACLE.
18. DELETED CHART 1718 TREE 642745N/1630942W FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
19. ADDED CHART FAS OBST: 147 TOWER 643245N/1630137W - NEW OBSTACLE STUDY USING UPDATED FINAL APPROACH PARAMETERS.
20. ADDED CHART CIRCLING ICON IN ADDITIONAL FLIGHT DATA - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-10T.
21. AMENDED HAPNA TO RW02: 3.31/30 TO TINOC TO RW03: 3.14/40 IN ADDITIONAL FLIGHT DATA - COMPUTED USING NEW PARAMETERS ON FINAL COURSE.
22. AMENDED 34:1 IS CLEAR TO READ 34:1 IS NOT CLEAR - 34:1 VISUAL SURFACE PENETRATED.
23. ADDED 20:1 IS CLEAR - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-7G(3).
24. AMENDED DIST FAF TO MAP FROM 8.00 TO 7.48 AND DIST FAF TO THLD FROM 8.00 TO 8.48 - COMPUTED USING AMENDED LOCATION OF HAPNA AND AMENDED POSITION OF MAP.
25. AMENDED TDZE AND APT ELEV FROM 59 TO 57 - MATCH PENDING AIRNAV DATA.
26. AMENDED CAT A/B/C LNAV MDA/HAT FROM 460/401 TO 400/343 AND CAT C VISIBILITY FROM 1 1/4 TO 1 - NEW OBSTACLE STUDY. WESTERN FPT REQUESTED LOWEST POSSIBLE MINIMUMS.
27. ADDED CAT D MINIMUMS - WESTERN FPT CHECKLIST REQUEST.
28. ADDED CAT D ALTERNATE MINIMUMS 1000-3 - CAT D MINIMUMS ADDED TO PROCEDURE.
29. AMENDED CAT A CIRCLING MDA/HAA FROM 480/421 TO 460/403 - NEW OBSTACLE STUDY, WESTERN FPT NOTIFIED AND CONCURS WITH LOWER MINIMUMS.
30. AMENDED CAT B CIRCLING MDA/HAA FROM 540/481 TO 520/463 - NEW OBSTACLE STUDY, WESTERN FPT NOTIFIED AND CONCURS WITH LOWER MINIMUMS.
31. AMENDED CAT C HAA FROM 621 TO 623 - COMPUTED USING AMENDED APT ELEV.
32. DELETED VDP AT 1.2 NM FROM RW02 - VDP NOW COMPUTES TO WITHIN 0.50 NM OF MAP AND WON'T BE PUBLISHED.
33. DELETED NOTE DME/DME RNP-0.3 NA - REPLACED BY PBN REQUIREMENTS NOTE.
34. ADDED PBN REQUIREMENTS NOTE RNP APCH - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-8.
35. ADDED NOTE CIRCLING NA SE OF RWY 3-21 - REQUESTED BY WESTERN FPT TO AVOID HIGH TERRAIN AND ACHIEVE BEST MINIMUMS.
36. DELETED PROFILE NOTE VGSI AND DESCENT ANGLES NOT COINCIDENT - VGSI NOT INSTALLED ACCORDING TO PENDING AIRNAV DATA
37. ADDED NOTE RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-11K(3).
38. ADDED PLANVIEW NOTE FINAL APPROACH COURSE OFFSET 14.46 DEGREES - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-10G(1).

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, AMGR, STATE OF ALASKA DOT

FLIGHT CHECKED BY

JOHN KEARBY

Digitally signed by

ROBERT G HAMILTON

Jun 25, 2018

OFFICE

FICO

DATE

6/20/18

DEVELOPED BY

PETER R. GUIMOND

Digitally signed by

PETER R GUIMOND

Apr 20, 2018

OFFICE

AJV-5422

DATE

04/20/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Jun 25, 2018

OFFICE

AJV-5420

DATE

TITLE

MANAGER