

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> PAGM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> GAMBELL	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 30	<u>TDZE</u> 29	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 03/31/2016	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<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>
QAYAQ		EEKAY		TF	FB	1.00	256.21	31.00	2500
EEKAY		GIYEN		TF	FB	1.00	201.30	12.17	2500
GIYEN	IAF	BOSHU		TF	FB	1.00	240.52	7.10	1800
BOSHU	IF	KALIX		TF	FB	1.00	330.08	6.00	1500
KALIX	FAF	RW34	MAP	TF	FO	0.30	344.09	4.50	
RW34	MAP	229 MSL		CA			344.09		
229 MSL		VADUZ		DF	FB	1.00			2500
VADUZ		ZADOK		TF	FB	1.00	047.62	9.33	
ZADOK		EEKAY		TF	FO	1.00	122.90	11.01	2500

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT VADUZ THEN RIGHT TURN ON TRACK 047.62 TO ZADOK AND ON TRACK 122.90 TO EEKAY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT BOSHU

3. FAF: 344.09 FAF: KALIX DIST FAF TO MAP: 4.50 DIST FAF TO THLD: 4.50

4. MIN ALT: BOSHU 1800, KALIX 1500

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.51 GS ANT:

6. MIN GP INCPT: 1500 GP ALT AT PFAF : KALIX 1500 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 38.7

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 16-34.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT A AND B VISIBILITY TO 1 1/4 SM.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B VISIBILITIES.

ADDITIONAL FLIGHT DATA:

CHART US/RUSSIA MARITIME BOUNDARY.
HOLD SE, RT, 303.18 INBOUND.
FAS OBST: 350 AAO 634227N/1714200W.
CHART VDP AT 1.66 NM TO RW34.
WAAS CHANNEL # 82135
REFERENCE PATH ID: W34A
CHART CIRCLING ICON.
LTP HAE: 13 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	229	1	200	229	1	200	229	1	200	229	1	200	QUALITY 10 CHECKED		
LNAV/VNAV DA	459	1 1/8	430	459	1 1/8	430	459	1 1/8	430	459	1 1/8	430			
LNAV MDA	600	1	571	600	1	571	600	1 1/2	571	600	1 1/2	571			
CIRCLING	600	1	570	600	1	570	600	1 5/8	570	660	2	630			

CHANGES - REASONS

1. REMOVED TAA FROM PROCEDURE - DUE TO PROXIMITY TO RUSSIAN AIRSPACE, PER IFP/ATC CHECKLIST REQUEST.
2. TERMINAL ROUTES: REMOVED JAYVE IF FROM PROCEDURE - PROCEDURE REDESIGN PER IFP/ATC CHECKLIST REQUEST.
3. TERMINAL ROUTES: ADDED QAYAQ AND EEKAY FEEDERS, GIYEN IAF AND BOSHU IF TO PROCEDURE - PROCEDURE REDESIGN PER IFP/ATC CHECKLIST REQUEST.
4. TERMINAL ROUTES: CHANGED KALIX TO RWY34 SEGMENT COURSE FROM 344.08 TO 344.09 AND DISTANCE FROM 5.13 TO 4.50 - FAF MOVED BASED ON GPA/TCH, PROCEDURE REDESIGN PER IFP/ATC CHECKLIST REQUEST.
5. TERMINAL ROUTES: CHANGED CA ALTITUDE FROM 278 MSL TO 229 MSL AND COURSE FROM 344.08 TO 344.09 - ALTITUDE BASED ON LPV MINIMA, COURSE CHANGED BASED ON FAC.
6. TERMINAL ROUTES: REPLACED PEZUM WITH VADUZ AND ADDED ZADOK AND EEKAY - MISSED APPROACH REDESIGN PER IFP/ATC CHECKLIST REQUEST.
7. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 3000 DIRECT PEZUM AND HOLD" TO "CLIMB TO 2500 DIRECT VADUZ THEN RIGHT TURN ON TRACK 047.62 TO ZADOK AND ON TRACK 122.90 TO EEKAY AND HOLD" - MISSED APPROACH REDESIGN PER IFP/ATC CHECKLIST REQUEST.
8. PROFILE LINE 2: CHANGED "HOLD S JAYVE, RT, 344.12 INBOUND, 3000 FT. IN LIEU OF PT (IAF)" TO "PROFILE STARTS AT BOSHU" - PROCEDURE REDESIGN DOES NOT INCLUDE A HIL.
9. PROFILE LINE 3: CHANGED FAC FROM 344.08 TO 344.09 - FAF MOVED BASED ON GPA/TCH.
10. PROFILE LINE 3: CHANGED DIST FAF TO MAP AND DIST FAF TO THLD FROM 5.13 TO 4.50 - FIX MOVED NORTH BY 0.63 NM BASED ON GPA/TCH.
11. PROFILE LINE 4: CHANGED MIN ALT FROM "JAYVE 3000, KALIX 1700" TO "BOSHU 1800, KALIX 1500" - NEW IF FIX AND NEW ALTITUDE AT FAF PER IFP/ATC CHECKLIST REQUEST.
12. PROFILE LINE 5: ADDED "200 HAT: 0.51" AND REMOVED "DISTANCE TO THLD FROM 250 HATH: 0.66" FROM ADDITIONAL FLIGHT DATA - UPDATED EVALUATION OF THE FINAL SEGMENT.
13. PROFILE LINE 6: CHANGED MIN GP INCPT FROM 1700 TO 1500 AND GP ALT AT PFAF FROM "KALIX 1700" TO "KALIX 1500" - NEW ALTITUDE AT FAF PER IFP/ATC CHECKLIST REQUEST.
14. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - NO PENETRATIONS EXIST.
15. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS" AND REMOVED "DME/DME RNP-0.3 NA" FROM NOTES - PER 8260.19I PARA 8-6-8 B(2).
16. CHANGED CHART NOTE FROM "CIRCLING NA NE OF RWY 16-34" TO "CIRCLING NA E OF RWY 16-34" - UPDATED NOTE TO CORRECT FORMAT PER CURRENT CRITERIA.
17. MOVED BACKUP ALTIMETER NOTE AND BARO-VNAV AND VDP NOTES FROM 8260-3 TO 8260-9 PART C: GENERAL REMARKS AS CONTINGENCY NOTE - 8260.19I, 8-6-9F(3).10.
18. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C (-4°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C" - FAHRENHEIT VALUES NO LONGER REQUIRED, NEW EVALUATION WITH UPDATED CRITICAL TEMPERATURES.
19. REMOVED CHART NOTES "FOR INOPERATIVE ODALS WHEN USING SAVOONGA ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY 1/8 MILE" AND "WHEN USING SAVOONGA ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS, AND LNAV CATS C AND D" - NO LONGER PERTAINING TO THE REDESIGNED PROCEDURE.
20. CHANGED CHART NOTE FROM "FOR INOPERATIVE ODALS INCREASE LPV ALL CATS VISIBILITY 1/8 MILE" TO "INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B VISIBILITIES" - PER UPDATED 8260.3E VIS TABLES.
21. CHANGED CHART NOTE FROM "INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS, AND LNAV CATS C AND D" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT A AND B VISIBILITY TO 1 1/4 SM" - PER UPDATED 8260.3E VIS TABLES.
22. ADDITIONAL FLIGHT DATA: REMOVED "*LNAV ONLY" - NO LONGER REQUIRED PER CURRENT CRITERIA.
23. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD N, RT, 164.00 INBOUND" TO "HOLD SE, RT, 303.18 INBOUND" - MISSED APPROACH HOLDING IS OVER EEKAY PER IFP/ATC CHECKLIST REQUEST.
24. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART FAS OBST: 606 TREE 634545N1714236W" TO "FAS OBST: 350 AAO 634227N/1714200W" - NEW CONTROLLING OBSTACLE.
25. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART VDP AT 2.80 MILES TO RW34" TO "CHART VDP AT 1.66 NM TO RW34" - VDP LOCATION CHANGED DUE TO LNAV MDA/HAT CHANGE.
26. ADDITIONAL FLIGHT DATA: LTP HAE CHANGED FROM 12.8 M TO 13 M - LTP ORTHOMETRIC HEIGHT AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+00087" TO "+00088".
27. CHANGED ALTERNATE MINIMUMS FROM "CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - PER 8260.19I, 8-6-11B(5)&(6).
28. CHANGED LPV ALL CATS DA/HAT FROM 279/250 TO 229/200 AND ALL CATS VISIBILITY FROM 3/4 SM TO 1 SM - LPV MIN ASC, PER UPDATED 8260.3E VIS TABLES.
29. CHANGED LNAV/VNAV ALL CATS DA/HAT FROM 866/837 TO 459/430 AND ALL CATS VISIBILITY FROM 3 SM TO 1 1/8 SM - NEW CONTROLLING OBSTACLE, PER UPDATED 8260.3E VIS TABLES.
30. CHANGED LNAV ALL CATS MDA/HAT FROM 960/931 TO 600/571 AND CAT CAND D VISIBILITY FROM 2 1/2 SM TO 1 1/2 - NEW CONTROLLING OBSTACLE, PER UPDATED 8260.3E VIS TABLES.
31. CHANGED CIRCLING CATS A, B AND C MDA/HAA FROM 960/931 TO 600/570 AND CAT D MDA/HAA FROM 960/931 TO 660/630 - NEW CONTROLLING OBSTACLES.
32. CHANGED CIRCLING A AND B VISIBILITY FROM 1 1/4 SM TO 1 SM, CAT C VISIBILITY FROM 2 3/4 SM TO 1 5/8 SM AND CAT D VISIBILITY FROM 3 SM TO 2 SM - PER UPDATED 8260.3E VIS TABLES.
33. CRC REMAINDER CHANGED FROM "5D830634" TO "7C8F73ED" - LTP/FTP LAT/LONG CHANGED FROM "634537.8775N/1714351.1145W" TO "634537.8840N/1714351.1150W" AND FPAP COORDINATES FROM "634705.8400N/1714418.8500W" TO "634705.8495N/1714418.8325W", LTP ORTHOMETRIC HEIGHT AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+00087" TO "+00088".
34. VERTICAL ALERT LIMIT CHANGED FROM 50.0 TO 35.00 - LPV HAT CHANGED FROM 250 TO 200.
35. LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+00128" TO "+00130" - PER TARGETS EVALUATION.
36. CHANGES FROM P-NOTAMS FOR AMDT ORIG A INCORPORATED INTO FORM - REQUIRED IAW 8260.19I PARA 8-3-4C(3).



AIRPORT ID
PAGM

PROCEDURE NAME
RNAV (GPS) RWY 34

ORIGINAL/AMENDMENT
1

CITY
GAMBELL

STATE
AK

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZAN, ARPT MGR, NOME FSS

FLIGHT CHECKED BY

DANIEL STRICKER

Digitally signed by

CASIMIR L TABAKA

Jun 16, 2023

OFFICE

FPO

DATE

04/25/2023

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by

CASIMIR L TABAKA

Apr 12, 2023

OFFICE

AJV-A432

DATE

03/21/2023

APPROVED BY

CASIMIR TABAKA

Digitally signed by

CASIMIR L TABAKA

Apr 12, 2023

OFFICE

AJV-A432

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	PAGM
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	634537.8840N
LTP/FTP LONGITUDE	1714351.1150W
LTP/FTP ELLIPSOIDAL HEIGHT	+00130
FPAP LATITUDE	634705.8495N
FPAP LONGITUDE	1714418.8325W
THRESHOLD CROSSING HEIGHT (TCH)	00038.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	7C8F73ED

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00088
FPAP ORTHOMETRIC HEIGHT	+00088

