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.

AIRPORT ID PAGM	PROCEDUR! RNAV (GPS)		ORIGINAL/AMENDMENT 1			STATE AK	
AIRPORT ELEVATION 30	<u>TDZE</u> 30	<u>SUPERSEDED</u> RNAV (GPS) RWY 16		JAMENDMENT DRIG-A	DATED 03/31/2016	MAG VAR 8E	EPOCH YEAR 2015
<u>FACILITY</u> RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 10 AUGUST 2023	REQUIRED EFFE ROUTI		CANCEL/SUS	<u>SPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	<u>COURSE</u>	DISTANCE	<u>ALTITUDE</u>
QAYAQ		EEKAY		TF	FB	1.00	256.21	31.00	2500
EEKAY		ZADOK		TF	FB	1.00	303.18	11.01	2500
ZADOK	IAF	JOTLY		TF	FB	1.00	268.24	7.00	1800
JOTLY	IF	VADUZ		TF	FB	1.00	179.03	6.04	1500
VADUZ	FAF	RW16	MAP	TF	FO	0.30	164.04	4.50	
RW16	MAP	230 MSL		CA			164.04		
230 MSL		KALIX		DF	FB	1.00			2500
KALIX		GIYEN		TF	FB	1.00	100.31	9.32	
GIYEN		EEKAY		TF	FO	1.00	021.10	12.17	2500

MISSED APPROACH

MAP:

LPV: DA LNAV/VNAV: DA LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT KALIX THEN LEFT TURN ON TRACK 100.31 TO GIYEN AND ON TRACK 021.10 TO EEKAY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

OVALITY 10 MECKE AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEPAGMRNAV (GPS) RWY 161GAMBELLAK

PROFILE:

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

2. PROFILE STARTS AT JOTLY

3. FAC: 164.04 **FAF:** VADUZ **DIST FAF TO MAP:** 4.50 **DIST FAF TO THLD:** 4.50

4. MIN ALT: JOTLY 1800, VADUZ 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**: VADUZ 1500 **OM**: **MM**: **IM**:

7. GP ANGLE: 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 37.3

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.

ADDITIONAL FLIGHT DATA:

CHART US/RUSSIA MARITIME LINE. HOLD SE, RT, 303.18 INBOUND. CHART FAS OBST: 509 TREE 634612N/1714200W. CHART VDP AT 1.42 NM TO RW16. WAAS CHANNEL # 86635

WAAS CHANNEL # 86635 REFERENCE PATH ID: W16A CHART CIRCLING ICON.

LTP HAE: 13.2 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:		Α			В			С			D			E	
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
LPV DA	230	1	200	230	1	200	230	1	200	230	1	200			
LNAV/VNAV DA	523	1 3/8	493	523	1 3/8	493	523	1 3/8	493	523	1 3/8	493		WAL17	
LNAV MDA	520	1	490	520	1	490	520	1 3/8	490	520	1 3/8	490		10	
CIRCLING	520	1	490	520	1	490	520	1 1/2	490	660	2	630		CHECKED	

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT 1	<u>CITY</u>	<u>STATE</u>
PAGM	RNAV (GPS) RWY 16		GAMBELL	AK

CHANGES - REASONS

- 1. REMOVED TAA FROM PROCEDURE DUE TO PROXIMITY TO RUSSIAN AIRSPACE, PER IFP/ATC CHECKLIST REQUEST.
- 2. TERMINAL ROUTES: REMOVED PEZUM IF FROM PROCEDURE PROCEDURE REDESIGN PER IFP/ATC CHECKLIST REQUEST.
- 3. TERMINAL ROUTES: ADDED QAYAQ AND EEKAY FEEDERS, ZADOK IAF AND JOTLY IF TO PROCEDURE PROCEDURE REDESIGN PER IFP/ATC CHECKLIST REQUEST.
- 4. TERMINAL ROUTES: CHANGED VADUZ TO RWY34 SEGMENT 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 279 MSL TO 230 MSL AND COURSE FROM 160.04 TO 164.04 ALTITUDE BASED ON LPV MINIMA, COURSE CHANGED BASED ON FAC.
- 6. TERMINAL ROUTES: REPLACED JAYVE WITH KALIX AND ADDED GIYEN AND EEKAY MISSED APPROACH REDESIGN PER IFP/ATC CHECKLIST REQUEST.
- 7. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 3000 DIRECT JAYVE AND HOLD" TO "CLIMB TO 2500 DIRECT KALIX THEN LEFT TURN ON TRACK 100.31 TO GIYEN AND ON TRACK 021.10 TO EEKAY AND HOLD" MISSED APPROACH REDESIGN PER IFP/ATC CHECKLIST REQUEST.
- 8. PROFILE LINE 2: CHANGED "HOLD N PEZUM, RT, 164.00 INBOUND, 1700 FT. IN LIEU OF PT (IAF)" TO "PROFILE STARTS AT JOTLY" PROCEDURE REDESIGN DOES NOT INCLUDE A HIL.
- 9. PROFILE LINE 3: CHANGED DIST FAF TO MAP AND DIST FAF TO THLD FROM 5.13 TO 4.50 FIX MOVED SOUTH BY 0.63 NM BASED ON GPA/TCH.
- 10. PROFILE LINE 4: CHANGED MIN ALT FROM "PEZUM 1700, VADUZ 1700" TO "JOTLY 1800, VADUZ 1500" NEW IF FIX AND NEW ALTITUDE AT FAF PER IFP/ATC CHECKLIST REQUEST.
- 11. PROFILE LINE 5: ADDED "200 HAT: 0.51" AND REMOVED "DISTANCE TO THLD FROM 250 HATH: 0.67 NM" FROM ADDITIONAL FLIGHT DATA UPDATED EVALUATION OF THE FINAL SEGMENT.
- 12. PROFILE LINE 6: CHANGED MIN GP INCPT FROM 1700 TO 1500 AND GP ALT AT PFAF FROM "VADUZ 1700" TO "VADUZ 1500" NEW ALTITUDE AT FAF PER IFP/ATC CHECKLIST REQUEST.
- 13. PROFILE LINE 7: ADDED "20:1: IS CLEAR" NO PENETRATIONS EXIST.
- 14. 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).
- 15. 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.
- 16. 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.
- 17. 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.
- 18. ADDITIONAL FLIGHT DATA: REMOVED "*LNAV ONLY" NO LONGER REQUIRED PER CURRENT CRITERIA.
- 19. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD S, RT, 344.12 INBOUND" TO "HOLD SE, RT, 303.18 INBOUND" MISSED APPROACH HOLDING IS OVER EEKAY PER IFP/ATC CHECKLIST REQUEST.
- 20. ADDITIONAL FLIGHT DATA: CHANGED FROM "FAS OBST: 481 TREE 634612N/1714200W" TO "CHART FAS OBST: 509 TREE 634612N/1714200W" NEW CONTROLLING OBSTACLE.
- 21. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART VDP AT 2.37 MILES TO RW16" TO "CHART VDP AT 1.42 NM TO RW16" VDP LOCATION CHANGED DUE TO LNAV MDA/HAT CHANGE.
- 22. ADDITIONAL FLIGHT DATA: LTP HAE CHANGED FROM 13.1 M TO 13.2 M LTP ORTHOMETRIC HEIGHT AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM "00089" TO "+00090".
- 23. CHANGED ALTERNATE MINIMUMS FROM "STANDARD CAT C, D 900-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "STANDARD NA WHEN LOCAL WEATHER NOT AVAILABLE" PER 8260.191, 8-6-11B(5)&(6).
- 24. CHANGED LPV ALL CATS DA/HAT FROM 279/250 TO 230/200 AND ALL CATS VISIBILITY FROM 7/8 SM TO 1 SM LPV MIN ASC, PER UPDATED 8260.3E VIS TABLES.
- 25. CHANGED LNAV/VNAV ALL CATS DA/HAT FROM 578/549 TO 523/493 AND ALL CATS VISIBILITY FROM 1 7/8 SM TO 1 3/8 SM NEW CONTROLLING OBSTACLE, PER UPDATED 8260.3E VIS TABLES.
- 26. CHANGED LNAV ALL CATS MDA/HAT FROM 820/791 TO 520/490, CAT B VISIBILITY FROM 1 1/4 SM TO 1 SM AND CAT C AND D VISIBILITY FROM 2 1/2 SM TO 1 3/8 SM NEW CONTROLLING OBSTACLE, PER UPDATED 8260.3E VIS TABLES.
- 27. CHANGED CIRCLING CATS A, B AND C MDA/HAA FROM 820/791 TO 520/490 AND CAT D MDA/HAA FROM 860/831 TO 660/630 NEW CONTROLLING OBSTACLES.
- 28. CHANGED CIRCLING CAT B VISIBILITY FROM 1 1/4 SM TO 1 SM, CAT C VISIBILITY FROM 2 1/2 SM TO 1 1/2 SM AND CAT D VISIBILITY FROM 2 1/2 SM TO 2 SM PER UPDATED 8260.3E VIS TABLES.
- 29. CRC REMAINDER CHANGED FROM "DEA23183" TO "E2F280F4" LTP/FTP LAT/LONG CHANGED FROM "634621.7430N/1714404.9295W" TO "634621.7535N/1714404.9320W" AND FPAP
- COORDINATES FROM "634453.7700N/1714337.2300W" TO "634453.7870N/1714337.2385W", LTP ORTHOMETRIC HEIGHT AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+00089" TO "+00090".
- 30. VERTICAL ALERT LIMIT CHANGED FROM 50.0 TO 35.00 LPV HAT CHANGED FROM 250 TO 200.

Apr 12, 2023

- 31. LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+00131" TO "+00132" PER TARGETS EVALUATION.
- 32. CHANGES FROM P-NOTAMS FOR AMDT ORIG A INCORPORATED INTO FORM REQUIRED IAW 8260.19I PARA 8-3-4C(3).

COORDINATED WITH:

A4A ALPA X	AOPA X APA X HAI	NBAA X	OTHER: ZAN, ARPT MGR, NOME FSS		
FLIGHT CHECKED BY	Digitally signed by		<u>OFFICE</u>	<u>DATE</u>	
DANIEL STRICKER	CASIMIR L TABAKA Jun 16. 2023		FPO	04/25/2023	ONALIX,
DEVELOPED BY	0011 10, 2020	Digitally signed by	<u>OFFICE</u>	<u>DATE</u>	10 CHECKEP
CASIMIR L. TABAKA (SIL	VIA YOUNG)	CASIMIR L TABAKA	AJV-A432	03/21/2023	SECK.
APPROVED BY CASIMIR TABAKA	Digitally signed by CASIMIR L TABAKA	Apr 12, 2023	<u>OFFICE</u> AJV-A432	<u>DATE</u>	<u>TITLE</u> MANAGER

AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
PAGM RNAV (GPS) RWY 16 1 GAMBELL AK

FAS DATA BLOCK INFORMATION

LTP/FTP ELLIPSOIDAL HEIGHT

DATA FIELDDATAOPERATION TYPE0SBAS SERVICE PROVIDER IDENTIFIER0AIRPORT IDENTIFIERPAGMRUNWAYRW16APPROACH PERFORMANCE DESIGNATOR0ROUTE INDICATOR

REFERENCE PATH DATA SELECTOR 0

REFERENCE PATH IDENTIFIER (APPROACH ID) W16A

 LTP/FTP LATITUDE
 634621.7535N

 LTP/FTP LONGITUDE
 1714404.9320W

+00132

 FPAP LATITUDE
 634453.7870N

 FPAP LONGITUDE
 1714337.2385W

THRESHOLD CROSSING HEIGHT (TCH) 00037.3

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 E2F280F4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE PA
LTP ORTHOMETRIC HEIGHT +00090
FPAP ORTHOMETRIC HEIGHT +00090