

**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> PAIK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> KIANA	<u>STATE</u> AK		
<u>AIRPORT ELEVATION</u> 181	<u>TDZE</u> 147	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 04/25/2019	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 DECEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 164/30 CW 344/30	NOPT	164/15 CW 344/15		5700
2. 164/15 CW 344/15		RELOC	IF/IAF	4500
3. 344/30 CW 074/30		RAYKO	IAF	4500
4. 074/30 CW 164/30		RELOC	IAF	6400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RAYKO	IAF	RELOC	NOPT	TF	FB	1.00	343.60	8.00	4500
RELOC	IF/IAF	UCANE		TF	FB	1.00	253.58	7.45	2900
UCANE	FAF	RW25	MAP	TF	FO	0.30	253.29	8.55	
RW25	MAP	900 MSL		CA			253.29		900
900 MSL		KOBXU		DF	FO	1.00			2900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 2900 DIRECT KOBXU AND HOLD.
#MISSED APPROACH REQUIRES MINIMUM CLIMB OF 335 FEET PER NM TO 1440.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
18
CHECKED

MINIMUMS:

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

ALTERNATE: NA ☒

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA#	422	1	275	422	1	275	422	1	275	422	1	275			
LPV DA	611	1 3/8	464	611	1 3/8	464	611	1 3/8	464	611	1 3/8	464			
LNAV/VNAV DA	779	1 3/4	632	779	1 3/4	632	779	1 3/4	632	779	1 3/4	632			
LNAV MDA	1740	1 1/4	1593	1740	1 1/2	1593	1740	3	1593	1740	3	1593			
CIRCLING	1740	1 1/4	1559	1740	1 1/2	1559	1740	3	1559	1740	3	1559			



CHANGES - REASONS

1. PROCEDURE NAME UPDATED FROM RNAV (GPS) RWY 24 TO RNAV (GPS) RWY 25. - MAGVAR UPDATE.
2. ADDED LPV AND LNAV/VNAV MINIMUMS. - PER FPT REQUEST.
3. DECREASED LNAV MDA/HAT FROM 2000/1831 TO 1740/1593, ADDED CAT D MINIMUMS. - NEW LNAV CONTROLLING OBSTACLE; PER FPT REQUEST.
4. DECREASED CIRCLING CAT A/B MDA/HAA FROM 2000/1829 TO 1740/1559, ADDED CAT D MINIMUMS. - DECREASED STRAIGHT-IN LNAV MINIMUMS; PER FPT REQUEST.
5. REMOVED TAA RIGHT BASE AND INITIAL LEG FROM LEYSE TO RELOC. - PER FPT REQUEST.
6. UPDATED TAA STRAIGHT-IN FROM 155/30 CW 335/30 TO 164/30 CW 344/30, ALTITUDE FROM 6100 TO 5700; STRAIGHT-IN STEPDOWN FROM 155/15 CW 335/15 TO 164/15 CW 344/15, ALTITUDE FROM 4100 TO 4500; TAA LEFT BASE FROM 335/30 CW 064/30 TO 344/30 CW 074/30, ALTITUDE FROM 4100 TO 4500; ADDED STRAIGHT-IN SECTOR 2 074/30 CW 164/30 . - IAF RAYKO AND IF RELOC MOVED, NEW EVALUATION COMPLETED.
7. TERMINAL ROUTES: RAYKO TO RELOC COURSE/DISTANCE UPDATED FROM 334.58/5.00 TO 343.60/8.00. - IAF RAYKO AND IF RELOC MOVED.
8. TERMINAL ROUTES: RELOC TO UCANE COURSE/DISTANCE UPDATED FROM 244.55/7.13 TO 253.58/7.45. - IF RELOC AND PFAF UCANE MOVED.
9. TERMINAL ROUTES: UCANE TO RW24 UPDATED TO UCANE TO RW25, COUSE/DISTANCE UPDATED FROM 244.28/8.40 TO 253.29/8.55. - MAGVAR UPDATE; PFAF UCANE MOVED TO MATCH VGSI GLIDESLOPE/TCH.
10. TERMINAL ROUTES: RW24 TO 571 MSL UPDATED TO RW25 TO 900 MSL; 571 MSL TO RELOC UPDATED TO 900 MSL TO KOBXU, ALTITUDE FROM 4100 TO 2900. - MISSED APPROACH INSTRUCTIONS UPDATED.
11. MISSED APPROACH INSTRUCTIONS UPDATED FROM "CLIMBING LEFT TURN TO 4100 DIRECT RELOC AND HOLD" TO "CLIMB TO 900 THEN CLIMBING LEFT TURN TO 2900 DIRECT KOBXU AND HOLD." ADDED "#MISSED APPROACH REQUIRES MINIMUM CLIMB OF 345 FEET PER NM TO 1440." - INSTRUCTIONS UPDATED PER FPT REQUEST, INCREASED LPV MA CG MINS ADDED.
12. PROFILE LINE 2: UPDATED FROM "HOLD NE RELOC, RT, 244.55 INBOUND, 4100FT IN LIEU OF PT (IAF), MAX 6000" TO "HOLD E RELOC, RT, 253.58 INBOUND, 4500FT IN LIEU OF PT (IAF), MAX 6000." - RELOC MOVED; NEW EVALUATION COMPLETED.
13. PROFILE LINE 3: CHANGED FAC FROM 244.28 TO 253.29; UPDATED DISTANCE FAF TO MAP/THLD FROM 8.40 TO 8.55. - PFAF UCANE MOVED.
14. PROFILE LINE 4: UPDATED MIN ALT FROM RELOC 4100 TO RELOC 4500. - INCREASED ALTITUDE DUE TO NEW OBSTACLE EVALUATION.
15. PROFILE LINE 5: ADDED DISTANCE TO THLD FROM 275 HAT: 0.77. - LPV MINIMA ADDED.
16. PROFILE LINE 6: ADDED MIN GP INCPT: 2900, GP ALT AT FAF: UCANE 2900. - VERTICALLY GUIDED LINE OF MINIMA ADDED.
17. PROFILE LINE 7: ADDED GP ANGLE: 3.00/TCH 30.0; ADDED 34:1/20:1 IS CLEAR. - VERTICALLY GUIDED LINES OF MINIMA ADDED; NO PENETRATIONS PRESENT.
18. REMOVED CHART NOTE: PROCEDURE NA AT NIGHT. - NO 20:1 PENETRATION PRESENT.
19. REMOVED CHART NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - VGSI AND DESCENT ANGLE WITHIN 0.20 DEGREES AND 3 FEET.
20. REMOVED CHART NOTE: ALTERNATE ALTIMETER NOTE. - MOVED TO 8260-9 FOR CONTINGENCY USE.
21. ADDED CHART NOTES: CIRCLING NA NORTH OF RWYS 7-25, CIRCLING RWY 7 NA AT NIGHT. - PER FPT REQUEST; 20:1 PENETRATION.
22. ADDED CHART NOTE: BARO-VNAV NA. - LNAV/VNAV MINS ADDED; IAW 8260.58 3-3-1 B.
23. ADDITIONAL FLIGHT DATA: REMOVED UCANE TO RW24: 3.05/40. - VERTICALLY GUIDED PROCEDURE ADDED.
24. ADDITIONAL FLIGHT DATA: UPDATED CHART VDP AT 5.64 NM TO RW24 TO CHART VDP AT 4.85 NM TO RW 25*; *LNAV ONLY. - FAF UCANE MOVED; PRECISION MINIMA ADDED.
25. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST: 1549 TREE TO FAS OBST: 1250 AAO; UPDATED CHART: 1649 TREE TO 1600 AAO. - NEW LNAV CONTROLLER AND 7:1 OBSTACLE.
26. ADDITIONAL FLIGHT DATA: ADDED HOLD SW, RT, 050.63 INBOUND. - NEW MISSED APPROACH HOLDING.
27. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON. - NEW CIRCLING RADII APPLIED IAW 8260.3D.

9/15/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5/26/20.

1. FAS DATA: UPDATED CRC REMAINDER FROM A34F3333 TO 166BBDDD.
2. FAS DATA: UPDATED FPAP LATITUDE FROM 665835.9275N TO 665827.9275N.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, ST AERO, AMGR

FLIGHT CHECKED BY
SUSANNA ROBERTS

Digitally signed by

JON DENTON

Nov 11, 2020

OFFICE
FICO

DATE

11/07/2020

DEVELOPED BY
WARDELL HENNING (BARBARA GORMAN)

Digitally signed by

JON DENTON

Nov 11, 2020

OFFICE
AJV-A432

DATE

05/26/2020

APPROVED BY
LONNIE EVERHART

Digitally signed by

JON DENTON

Nov 11, 2020

OFFICE
AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAIK
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	665835.7800N
LTP/FTP LONGITUDE	1602529.2200W
LTP/FTP ELLIPSOIDAL HEIGHT	+00481
FPAP LATITUDE	665827.9275N
FPAP LONGITUDE	1602915.0810W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	166BBDDD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00448
FPAP ORTHOMETRIC HEIGHT	+00448