

**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> KAFJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> WASHINGTON	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 1184	<u>TDZE</u> 1184	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 04/02/2015	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HLG VOR/DME		KEYRE		TF	FO	1.00	112.36	25.45	3100
NESTO	IAF	KEYRE	NOPT	TF	FB	1.00	268.57	14.87	3000
KEYRE	IF/IAF	ANUYE		TF	FB	1.00	273.20	6.07	3000
ANUYE	FAF	RW27	MAP	TF	FO	0.30	273.12	5.41	
RW27	MAP	1700 MSL		CA			273.12		1700
1700 MSL		HLG VOR/DME		DF	FO	1.00			3300

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3300 DIRECT HLG VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. HOLD E KEYRE, RT, 273.20 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. **FAC:** 273.12 **FAF:** ANUYE **DIST FAF TO MAP:** 5.41 **DIST FAF TO THLD:** 5.41

4. **MIN ALT:** KEYRE 3000, ANUYE 3000

5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **202 HAT:** 0.49 **GS ANT:**

6. **MIN GP INCPT:** 3000 **GP ALT AT PFAF:** ANUYE 3000 **OM:** **MM:** **IM:**

7. **GP ANGLE:** 3.09 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 56.9

8. **MSA FROM:** RW27 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D N OF RWY 9-27.
 CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NESTO ON V469 NORTHBOUND.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: CIRCLING RWY 9 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 223.00 INBOUND.
 CHART FAS OBST: 1717 TOWER (42-021155) 400752N/0801428W.
 CHART VDP AT 2.27 NM TO RW27.
 WAAS CHANNEL # 90107
 REFERENCE PATH ID: W27A
 CHART CIRCLING ICON.
 LTP HAE: 322 M

MINIMUMS:

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

ALTERNATE: NA CAT A, B, C, D 1000-4, NA WHEN LOCAL WEATHER NOT AVAILABLE.



CATEGORY:	A			B			C			D			E		
	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	1386	3/4	202	1386	3/4	202	1386	3/4	202	1386	3/4	202			
LNAV/VNAV DA	2140	4	956	2140	4	956	2140	4	956	2140	4	956			
LNAV MDA	1980	1	796	1980	1 1/4	796	1980	2 1/2	796	1980	2 1/2	796			
CIRCLING	1980	1	796	2020	1 1/4	836	2020	2 1/2	836	2040	2 3/4	856			

CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAMS FOR AMDT 1A AND 1B INTO FORM - IAW 8260.19I PARA 8-3-4.C (3).
2. REMOVED CHART NOTE "NIGHT LANDING: RWY 9 NA" - 20:1 CLEAR
3. DELETED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - IAW 8260.19I PARA 8-6-8.B (2).
4. INCREASED CIRCLING MDA/HAA CAT B/C FROM 1980/796 TO 2020/836 - NEW OBSTACLES, VISCHECK EVALUATION AND NEW CIRCLING CRITERIA.
5. UPDATED RNP VALUE FOR HLG VOR/DME TO KEYRE SEGMENT FROM 2.00 TO 1.00. KEYRE TO ANUYE FROM 0.50 TO 0.30 - UPDATED TO CURRENT AJV-DIRECTED CRITERIA.
6. UPDATED AND MOVED BACK-UP ALTIMETER NOTE TO 8260-9 GENERAL REMARKS -- UPDATED IAW 8260.19I, 8-6-9.F(3).
7. UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C (2°F) OR ABOVE 45°C (114°F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C." - IAW 8260.19I PARA 8-6-9.R.
8. ADDED LINE 5 "DIST TO THLD FROM 202 HAT 0.49", REMOVED ADDITIONAL FLIGHT DATA "DIST TO THLD FROM 200 HATH: 044 NM" - MISSED APPROACH OBST.
9. UPDATED CHART NOTE FROM "VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." TO "RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 8260.19I 8-6-11K (3).
10. UPDATED CHART PROFILE NOTE FROM "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT." TO "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})." - IAW 8260.19I.
11. UPDATED ADDITIONAL FLIGHT DATA FROM "CHART VDP AT 2.29 NM TO RW27" TO "CHART VDP AT 2.27 NM TO RW27" AND REMOVED "LNAV ONLY" FROM ADDITIONAL FLIGHT DATA - 8260.19I, 8-6-10.M.
12. UPDATED FAC AND TERMINAL ROUTES ANUYE TO RW27 AND RWY27 TO 1700 MSL COURSE FROM "273.11" TO "273.12" - PER TARGETS EVAL.
13. UPDATED ALTERNATE MINIMUMS FROM "CAT C 800-2 1/2, CAT D 900.2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE." TO "CAT A, B, C, D 1000-4 NA WHEN LOCAL WEATHER NOT AVAILABLE." - 8260.3D 3-4-1 AND 8260.19I 8-6-11 B. (4) MEMO
14. CRC REMAINDER CHANGED FROM BECFA9F2 TO 0632A460 - UPDATED FPAP COORDINATES.
15. ADDED CHART CIRCLING ICON- UPDATED TO NEW CIRCLING CRITERIA.
16. ADDED CHART PLANVIEW NOTE PROCEDURE NA FOR ARRIVALS AT NESTO ON V469 NORTHBOUND. - 8260.3D 2-3-1 A. (1).
17. UPDATED LINE 2 FROM "HOLD E KEYRE, RT, 273.20 INBOUND, 3000 FT. IN LIEU OF PT (IAF)" TO "HOLD E KEYRE, RT, 273.20 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000." - 8260.19H 8-6-7 B. (2)
18. ADDED LINE 7 "20:1: IS CLEAR" - 8260.19I PARA 8-6-7.G (3).
19. ADDED LINE 5 DIST TO THLD FROM FAF "5.41" - 8260.19I, 8-6-7, E
20. CHANGED FAS DATA FPAP LATITUDE FROM "400805.7400N" TO "400805.7345N" - NEW FPAP LOCATION
21. CHANGED FAS DATA FPAP LONGITUDE FROM "0801848.3400W" TO "0801848.3355W" - NEW FPAP LOCATION
22. UPDATED CHART FAS OBST FROM "1721 TOWER 400751N/0801430W" TO "1717 TOWER (42-021155) 400752N/0801428W." - NEW LNAV CONTROLLING OBS
23. UPDATED AND MOVED TO 8260-9 FOR CONTINGENCY PURPOSES "BARO-VNAV AND VDP NA WHEN USING WHEELING ALTIMETER SETTING." - 8260.19 8-6-9 F(3).

07/15/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/19/2021.

1. CIRCLING NA FOR CAT D N OF RWY 9-27.

09/21/2021: THIS IS AN CORRECTED COPY OF THE FORM APPROVED ON 05/24/2021.

1. ADDED CHART NOTE "CIRCLING RWY 9 NA AT NIGHT." - FLIGHT CHECK RESULTS
2. REMOVED LINE 5 ENTRY DIST TO THLD FROM FAF 5.41 - NOT REQUIRED

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZOB, PIT APP CON, AIRPORT MANAGER

FLIGHT CHECKED BY
JEREMY RYAN VIRTS

Digitally signed by
DONALD H LANIER
Sep 21, 2021

OFFICE
FIOG **DATE**
06/24/2021

DEVELOPED BY
DONALD H. LANIER (COLE NESBITT)

Digitally signed by
DONALD H LANIER

OFFICE
AJV-A431 **DATE**
03/19/2021

APPROVED BY
LONNIE EVERHART

Digitally signed by
DONALD H LANIER
Sep 21, 2021

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	KAFJ
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	400813.4720N
LTP/FTP LONGITUDE	0801652.6005W
LTP/FTP ELLIPSOIDAL HEIGHT	+03220
FPAP LATITUDE	400805.7345N
FPAP LONGITUDE	0801848.3355W
THRESHOLD CROSSING HEIGHT (TCH)	00056.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.09
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	0632A460

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03557
FPAP ORTHOMETRIC HEIGHT	+03557

