

**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> KHNB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> HUNTINGBURG	<u>STATE</u> IN		
<u>AIRPORT ELEVATION</u> 529	<u>TDZE</u> 524	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 12/17/2009	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> 08/12/2021	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 005/30 CW 185/30	NOPT	APKEW	IF/IAF	2500
2. 185/30 CW 275/30		EFWAV	IAF	2500
3. 275/30 CW 005/30		AGKIP	IAF	2500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EFWAV	IAF	APKEW	NOPT	TF	FB	1.00	184.50	7.00	2500
AGKIP	IAF	APKEW	NOPT	TF	FB	1.00	004.51	7.00	2500
APKEW	IF/IAF	OGEDY		TF	FB	1.00	094.50	6.07	2200
OGEDY	FAF	RW9	MAP	TF	FO	0.30	094.58	5.16	
RW9	MAP	774 MSL		CA			094.58		
774 MSL		IDGOW		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW9

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT IDGOW AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD W APKEW, RT, 094.50 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 094.58 **FAF:** OGEDY **DIST FAF TO MAP:** 5.16 **DIST FAF TO THLD:** 5.16
- 4. **MIN ALT:** APKEW 2500, OGEDY 2200
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.68 **GS ANT:**
- 6. **MIN GP INCPT:** 2200 **GP ALT AT FAF :** OGEDY 2200 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 43.8
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 274.81 INBOUND.
 FAS OBST: 768 AAO 381516N/0870155W.
 779 AAO 381602N/0870439W.
 CHART VDP AT 1.53 NM TO RW09.
 WAAS CHANNEL # 49207
 REFERENCE PATH ID: W09A
 CHART CIRCLING ICON.
 LTP HAE: 124.2 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 900-2 3/4, 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	774	3/4	250	774	3/4	250	774	3/4	250	774	3/4	250			
LNAV/VNAV DA	810	7/8	286	810	7/8	286	810	7/8	286	810	7/8	286			
LNAV MDA	1020	1	496	1020	1	496	1020	1 3/8	496	1020	1 3/8	496			
CIRCLING	1020	1	491	1040	1	511	1040	1 1/2	511	1380	2 3/4	851			



CHANGES - REASONS

1. EFWAY TO APKEW UPDATED COURSE FROM 180.48 TO 184.50 - DUE TO DIFFERENCE BETWEEN TARGETS AND IAPA COURSE CALCULATIONS; MAGNETIC VARIATION CHANGED FROM 0°E/1980 TO 4°W/2025.
2. AGKIP TO APKEW UPDATED COURSE FROM 000.48 TO 004.51 - DUE TO DIFFERENCE BETWEEN TARGETS AND IAPA COURSE CALCULATIONS; MAGNETIC VARIATION CHANGED FROM 0°E/1980 TO 4°W/2025.
3. APKEW TO OGEDY UPDATED COURSE FROM 090.48 TO 094.50 - DUE TO DIFFERENCE BETWEEN TARGETS AND IAPA COURSE CALCULATIONS; MAGNETIC VARIATION CHANGED FROM 0°E/1980 TO 4°W/2025..
4. OGEDY TO MAP UPDATED COURSE FROM 090.48 TO 094.50 - DUE TO DIFFERENCE BETWEEN TARGETS AND IAPA COURSE CALCULATIONS; MAGNETIC VARIATION CHANGED FROM 0°E/1980 TO 4°W/2025.
5. CHANGED HOLD-IN-LIEU INBOUND COURSE FROM 090.48 TO 094.50 AND ADDED MAXIMUM ALTITUDE OF 6,000' - DUE TO DIFFERENCE BETWEEN TARGETS AND IAPA COURSE CALCULATIONS; MAGNETIC VARIATION CHANGED FROM 0°E/1980 TO 4°W/2025.
6. CHANGED MISSED APPROACH HOLD INBOUND COURSE FROM 270.79 TO 274.81 - DUE TO DIFFERENCE BETWEEN TARGETS AND IAPA COURSE CALCULATIONS; MAGNETIC VARIATION CHANGED FROM 0°E/1980 TO 4°W/2025.
7. REMOVED DEGREES FAHRENHEIT (F) FROM UNCOMPENSATED BARO CHART NOTE - DEGREES F NOT USED.
8. LENGTHENED INITIAL FROM EFWAY AND AGKIP TO APKEW FROM 5.01 TO 7 NM - TO MEET CRITERIA FOR 90° TURN TO MEET CURRENT CRITERIA FOR DISTANCE OF TURN ANTICIPATION (DTA) IAW FAAO 8260.58, 1-2-5.
9. SHORTENED INTERMEDIATE FROM APKEW TO OGEDY FROM 6.11 TO 6.07 NM - DUE TO NEW PFAF LOCATION.
10. LENGTHENED FAF FROM OGEDY TO MAP FROM 5.10 TO 5.16 NM - DUE TO NEW 8260.58B CRITERIA, THE PFAF WAS MOVED 435.27 FEET.
11. ADDED 20:1 IS CLEAR TO LINE 7 OF PROFILE VIEW - 20:1 IS CLEAR.
12. CHANGED DISTANCE TO THLD FROM 250 HAT FROM 0.92NM TO 0.68NM - DUE TO TARGETS DIFFERENCE DISTANCE CALCULATION.
13. ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" - IAW FAAO 8260.19I, 8-6-8.
14. DELETED DME/DME RNP-0.3 NA NOTE - NOT REQUIRED.
15. CHANGED CHART NOTE HELICOPTER VISIBILITY TO "RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW FAAO 8260.19I, 8-6-11.
16. UPDATED "CHART FAS OBST" TO 768 AAO 381516N/0870155W - NEW OBSTACLE COORDINATES ANNOTATED IAW 8260.19I, 8-6-10.
17. CHANGED LPV VISIBILITY MINIMUMS FROM 1 1/4 TO 3/4 SM FOR ALL CATS - PER DATA FROM VISIBILITY TABLE FROM 8260.3B.
18. CHANGED LNAV/VNAV VISIBILITY MINIMUMS FROM 1 1/4 AND TO 7/8 SM FOR ALL CATS - DUE TO HAT CHANGE.
19. CHANGED LNAV VISIBILITY MINIMUMS FROM TO 1 3/8 SM FOR CATS C AND D - DUE TO HAT CHANGE.
20. CHANGED CIRCLING VISIBILITY MINIMUMS FROM 2 TO 2 3/4 SM FOR CAT D - DUE TO HAA CHANGE.
21. CHANGED LNAV/VNAV DA/HAT FROM 878/354 TO 810/286 FOR ALL CATS - DUE TO NEW CONTROLLING OBSTACLE IAW FAAO 8260.58B, 3-3-5.
22. CHANGED CIRCLING MDA FROM 1020 TO 1040 FOR CATS B AND C, AND FROM 1080 TO 1380 FOR CAT D - DUE TO NEW CONTROLLING OBSTACLE IAW FAAO 8260.58B, 3-2-5.
23. CHANGED CIRCLING HAA FROM 491 TO 511 FOR CATS B AND C - DUE TO NEW CONTROLLING OBSTACLE IAW FAAO 8260.58B, 3-2-5, AND NEW CIRCLING AREA.
24. CHANGED CIRCLING HAA FROM 551 TO 851 FOR CAT D - DUE TO NEW CONTROLLING OBSTACLE IAW FAAO 8260.58B, 3-2-5, AND NEW CIRCLING AREA.
25. ADDED CAT D 900-2 3/4 TO ALT MINIMUMS - NEW HIGHER CAT D CIRCLING MINIMUMS.
26. UPDATED AND MOVED BACKUP ALTIMETER NOTE TO 8260-9 TO GENERAL REMARKS - FOR CONTINGENCY PURPOSES.
27. CHANGED FAS OBSTACLE COORDINATES FROM N38 15 16.00/W87 01 56.00 TO N38 15 16.00/W87 01 55.00 - NEW MAP STUDY.
28. UPDATED LTP/FTP LATITUDE/LONGITUDE FROM N38 14 56.7640/W86 57 44.6280 TO N38 14 56.7675/W86 57 44.6280 - NEW FAS DATA CALCULATIONS.
29. UPDATED FPAP LATITUDE/LONGITUDE FROM N38 14 55.76/W86 55 51.53 TO N38 14 55.75/W 86 55 51.5285 - NEW FAS DATA CALCULATIONS.
30. UPDATED LTP ORTHOMETRIC HEIGHT FROM +01563 TO +01564 - NEW FAS DATA CALCULATIONS.
31. UPDATED FPAP ORTHOMETRIC HEIGHT FROM +01563 TO +01564 - NEW FAS DATA CALCULATIONS.
32. UPDATED CRC REMAINDER FROM FBA694D6 TO 4CFE7911 - NEW FAS DATA CALCULATIONS.
33. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA. - NEW CIRCLING CRITERIA APPLIED.
34. ADDED CHART VDP: 1.53 NM TO RWY 09 - 20: 1 SURFACE NO LONGER PENETRATED.
35. CHANGED GPA/TCH FROM 3.00/40 TO 3.00/43.8 - MATCH RWY 9 VGSI

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: AMGR, ZID

FLIGHT CHECKED BY

Digitally signed by

PENDING

DONALD H LANIER

May 12, 2021

OFFICE

FICO

DATE

DEVELOPED BY

DONALD H. LANIER (PARNELL PRASSADA)

Digitally signed by

DONALD H LANIER

May 12, 2021

OFFICE

AJV-A431

DATE

03/23/2021

APPROVED BY

Digitally signed by

LONNIE EVERHART

DONALD H LANIER

May 12, 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	KHNB
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	381456.7675N
LTP/FTP LONGITUDE	0865744.6280W
LTP/FTP ELLIPSOIDAL HEIGHT	+01242
FPAP LATITUDE	381455.7500N
FPAP LONGITUDE	0865551.5285W
THRESHOLD CROSSING HEIGHT (TCH)	00043.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	4CFE7911

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01564
FPAP ORTHOMETRIC HEIGHT	+01564

