

**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><b>AIRPORT ID</b></u> KPAH	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 14	<u><b>ORIGINAL/AMENDMENT</b></u> 1	<u><b>CITY</b></u> PADUCAH	<u><b>STATE</b></u> KY		
<u><b>AIRPORT ELEVATION</b></u> 411	<u><b>TDZE</b></u> 401	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 14	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-A	<u><b>DATED</b></u> 09/18/2014	<u><b>MAG VAR</b></u> 1W	<u><b>EPOCH YEAR</b></u> 2005
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 25 FEBRUARY 2021	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
1. 050/30 CW 230/30	NOPT	050/25 CW 230/25		3500
2. 050/25 CW 230/25		ZIVAT	IF/IAF	3000
3. 230/30 CW 050/30		ZIVAT	IF/IAF	3000

**TERMINAL ROUTES**

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-03.

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
ZIVAT	IF/IAF	ZUNBA		TF	FB	1.00	140.33	6.79	2300
ZUNBA	FAF	WIVTU/2.40 NM TO RW14		TF	FB	0.30	140.38	3.42	
WIVTU/2.40 NM TO RW14		RW14	MAP	TF	FO	0.30	140.38	2.40	
RW14	MAP	706 MSL		CA			140.38		
706 MSL		JIPGO		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW14

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT JIPGO AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
18  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW ZIVAT, RT, 140.33 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 140.38FAF: ZUNBADIST FAF TO MAP: 5.82DIST FAF TO THLD: 5.82

4. MIN ALT: ZIVAT 3000, ZUNBA 2300, WIVTU/2.40 NM TO RW14 1200\*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:305 HAT: 0.81GS ANT:

6. MIN GP INCPT: 2300GP ALT AT FAF : ZUNBA 2300OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 55.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.

HOLD SE, RT, 320.54 INBOUND.

CHART FAS OBST: 527 TREE 370540N/0884846W.

CHART VDP AT 1.04 NM TO RW14\*

\*LNAV ONLY.

WAAS CHANNEL # 48933

REFERENCE PATH ID: W14A

LTP HAE: 91.3 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 800-2 1/4, 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	708	1	307	708	1	307	708	1	307	708	1	307			
LNAV/VNAV DA	706	1	305	706	1	305	706	1	305	706	1	305			
LNAV MDA	780	1	379	780	1	379	780	1 1/8	379	780	1 1/8	379			
CIRCLING	900	1	489	900	1	489	920	1 1/2	509	1100	2 1/4	689			



**CHANGES - REASONS**

1. INCORPORATED CHANGES FROM ORIG-B.- CANCELLING NOTAM FDC 9/1934 (CHART APT ELEV 411, DELETE APT ELEV 410, CIRCLING CAT A/B MDA900/HAA 509, CAT C MDA 920/HAA 689, CAT D HAA 689, VIS CAT D 2 1/4 PER 8260.19H, 8-3-4C(3).
2. DELETED CHART NOTE: DME/DME, RNP-0.3 NA. - ADDED EQUIPMENT REQUIREMENTS NOTE: RNP APCH. - 8260.19H 8-6-8, B1.
3. ADDED 20:1 IS CLEAR IN PROFILE SECTION. - NO 20:1 FOUND IN TARGETS EVALUATION.
4. CHANGED CHART NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C (7°F) OR ABOVE 45°C (114°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C". - AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY AND 8260.19H, 8-6-8S.
5. DELETED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED. - TARGETS EVALUATION REVEALED NO 20:1 PENETRATIONS.
6. ADDED CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - RWY 14 HAS 34:1 PENETRATIONS.
7. ADDED MAX HOLDING 6000 AT ZIVAT. - 8260.19H, 8-5-2 I2.
8. ADDED STEPDOWN ARC TO STRAIGHT-IN SECTION OF TAA. - TO MAINTAIN CURRENT PUBLISHED IAF ALTITUDES
9. CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 4 TO RNAV (GPS) RWY 5. - RUNWAY RENUMBERING.
10. FPAP LATITUDE/LONGITUDE CHANGED FROM 370250.6800N/0884523.0000W TO 370250.6710N/08845283.0025W. - UPDATED AIRNAV DATA.
11. ADDED CHART VDP AT 1.04 NM TO RW14\*. - UPDATED TARGETS EVALUATION.
12. CRC REMAINDER CHANGED FROM 551593AB TO 72C363A1. - GPA CHANGED FROM 3.10 DEGREES TO 3.00 DEGREES, FPAP LATITUDE/LONGITUDE CHANGED AND TCH CHANGED FROM 60 FEET TO 55 FEET.
13. LPV DA/HAT MINIMUMS CHANGED 724/323 TO 708/307. - NEW OBSTACLE EVALUATION.
14. LNAV/VNAV DA/ HAT MINIMUMS CHANGED FROM 726/325 TO 706/305. - NEW OBSTACLE EVALUATION.
15. LNAV MDA/HAT MINIMUMS CHANGED FROM 800/399 TO 780/379. - NEW OBSTACLE EVALUATION.
16. CHANGED CA ALTITUDE FROM 716 MSL TO 706 MSL. - LNAV/VNAV DA CHANGED TO 706 MSL.

01/07/2021: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/17/20.

1. CHANGED PROFILE LINE 3 DIST FAF TO MAP AND DISTANCE FAF TO THLD FROM 5.61 TO 5.82.
2. CHANGED CHART NOTE: CHART NOTE: "RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED" TO "CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
3. DELETED NOTE: \*LNAV ONLY.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, PAH ATCT

**FLIGHT CHECKED BY**

GEORGE EDWARD SEARLES

*Digitally signed by*

**JON DENTON**

**OFFICE**

FIOG

**DATE**

11/10/2020

**DEVELOPED BY**

WARDELL HENNING (THOR CORNELL)

*Digitally signed by*

**JON DENTON**

**OFFICE**

AJV-A432

**DATE**

03/13/2020

**APPROVED BY**

GEORGE DAVIS

*Digitally signed by*

**JON DENTON**

Jan 08, 2021

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER

Jan 08, 2021

QUALITY  
18  
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPAH
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	370358.4455N
LTP/FTP LONGITUDE	0884640.3875W
LTP/FTP ELLIPSOIDAL HEIGHT	+00913
FPAP LATITUDE	370250.6710N
FPAP LONGITUDE	0884528.0025W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	72C363A1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01197
FPAP ORTHOMETRIC HEIGHT	+01197

