

**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> PBX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> PIKEVILLE	<u>STATE</u> KY
<u>AIRPORT ELEVATION</u> 1465	<u>TDZE</u> 1463	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 7W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 2	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2020
		<u>ACTUAL EFFECTIVE DATE</u> 7 AUGUST 2025	<u>CANCEL/SUSPEND</u>	

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 184/30 CW 004/30	NOPT	184/15 CW 004/15		4700
2. 184/15 CW 004/15		OBSEW	IF/IAF	4500
3. 004/30 CW 184/30		004/15 CW 184/15		4700
4. 004/15 CW 184/15		OBSEW	IF/IAF	4500

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
OBSEW	IF/IAF	PEAIR		TF	FB	1.00	274.10	6.12	3700
PEAIR	FAF	RW27	MAP	TF	FO	0.30	274.01	6.88	
RW27	MAP	1722 MSL		CA			274.01		
1722 MSL		CILOM		DF	FO	1.00			4500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4500 DIRECT CILOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD E OBSEW, RT, 274.10 INBOUND, 4500 FT. IN LIEU OF PT (IAF), MAX 14000.														
3.	FAC:	274.01	FAF:	PEAIR	DIST FAF TO MAP:	6.88	DIST FAF TO THLD:	6.88							
4.	MIN ALT:	OBSEW 4500, PEAIR 3700													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		259 HAT:	0.66	GS ANT:				
6.	MIN GP INCPT:	3700	GP ALT AT PFAF:	PEAIR 3700					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	47.4							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
CHART NOTE: CIRCLING NA TO RWYS 2 AND 20.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 093.78 INBOUND.
FAS OBST: 1825 AAO 373318N/0822836W.
CHART 1870 TOWER (21-062653) 373358N/0822534W.
CHART VDP AT 1.90 NM TO RW27.
WAAS CHANNEL # 86540
REFERENCE PATH ID: W27A
CHART CIRCLING ICON.
LTP HAE: 414.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 1000-3, 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	1722	1	259	1722	1	259	1722	1	259	1722	1	259			
LNAV/VNAV DA	2120	1 7/8	657	2120	1 7/8	657	2120	1 7/8	657	2120	1 7/8	657			
LNAV MDA	2120	1	657	2120	1	657	2120	1 7/8	657	2120	1 7/8	657			
CIRCLING	2120	1	655	2180	1	715	2180	2	715	2460	3	995			



<u>AIRPORT ID</u> PBX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> PIKEVILLE	<u>STATE</u> KY
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CHANGES - REASONS

1. CLEARS NOTAM: FDC 5/0027.
2. AIRPORT ELEVATION CHANGED FROM 1470 TO 1465. - NEW VG SURVEY.
3. TERMINAL ROUTES: CA CHANGED FROM 1663 TO 1722. - LPV MDA CHANGED FROM 200 TO 259.
4. MISSED APPROACH: ADDED CLIMB-IN-HOLD. - CLEARANCE LIMIT AC ALT- 4205.15 FT MSL, HOLDING ALT 4500 FT MSL.
5. PROFILE LINE 2: ADDED "MAX 14000". - IAW 8260.19J 8-6-7 B (2).
6. PROFILE LINE 5: HAT CHANGED FROM 200 TO 259; DISTANCE CHANGED FROM 0/68 TP 0.66 AND MOVED FROM ADDITIONAL FLIGHT DATA TO PROFILE LINE 5. - HAT CHANGED FROM 200 TO 259 AND IAW 8260.19J 8-6-7 E (3).
7. PROFILE LINE 7: 34:1 CHANGED FROM IS CLEAR TO IS NOT CLEAR; ADDED 20:1 IS CLEAR. - IAW 8260.19J 8-6-7 G.
8. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS". - IAW 8260.19J 8-6-8 D (5) (A) 1.
9. NOTES: REMOVED FAHRENHEIT TEMPS FROM UNCOMPENSATED BARO-VNAV SYSTEMS CHART NOTE. - IAW 8260.19J 8-6-10 R.
10. NOTES: ADDED "RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED." - 34:1 IS NOT CLEAR.
11. NOTES: REMOVED CHART NOTE: DME/DME RNP-0.3. - NO LONGER REQUIRED BY CURRENT CRITERIA.
12. ADDITIONAL FLIGHT DATA: FAS OBST: CHANGED FROM "1819 AAO 373327N/0822839W" TO "1825 AAO 373318N/0822836W" - UPDATED OBSTACLE EVALUATION.
13. ADDITIONAL FLIGHT DATA: ADDED "CHART 1870 TOWER (21-062653) 373358N/0822534W." - IAW 8260.19J 8-6-11 J D.
14. ADDITIONAL FLIGHT DATA: REMOVED * FROM "CHART VSP AT 1.90 NM TO RW27*". - NO LONGER REQUIRED BY CURRENT CRITERIA.
15. ADDITIONAL FLIGHT DATA: REMOVED "*LNAV ONLY." - NO LONGER REQUIRED BY CURRENT CRITERIA.
16. ALTERNATE MINIMUMS: ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE." - IAW 8260.3F 3-4-1.
17. MINIMUMS: LPV DA HAT CHANGED FROM 1663/200 TO 1722/259 ALL CATS. - NEW CONTROLLING OBSTACLE 1533 FT MSL TREE (21-035254) 373343.72N/0823312.32W.
18. LNAV/VNAV DA/HAT CHANGED FROM 2175/712 TO 2120/657 AND VIS CHANGED FROM 2 1/2 TO 1 7/8 ALL CATS. - DA TO MATCH LNAV MDA IAW 8260.58 3-4-5 AND VIS PER 8260.3F VISIBILITY TABLES.
19. CIRCLING MINIMUMS: CAT A HAA CHANGED FROM 650 TO 655; CAT B/C CMDA/HAA CHANGED FROM 2160/690 TO /2180715; CAT D HAA CHANGED FROM 990 TO 995. - AIRFIELD ELEVATION CHANGED FROM 1470 TO 1465. CAT B/C CONTROLLING OBSTACLE CHANGED FROM "1858 FT MSL TOWER (21-001470) 373207.00N/0823250.00W" TO "1863 FT MSL ANTENNA (21-093600) 373207.43N/0823250.05W."
20. FAS DATA- CRC REMAINDER CHANGED FROM 9DC797A7 TO 1F6D0A1D. - LTP LAT/LONG CHANGED FROM "373339.7925N/0823343.3345W" TO "373339.7965N/0823343.3340W"; FPAP LAT LONG CHANGED FROM "373334.9950N/0823535.2305W" TO "373335.0040N/0823535.2300W"; VERTICAL ALERT LIMIT CHANGED FROM 35.0 TO 50.0.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZID, AMGR

FLIGHT CHECKED BY

CRAIG LARSON

Digitally signed by
RAKE MCGRAW
May 20, 2025

OFFICE
AJF

DATE
05/15/2025

DEVELOPED BY

RYAN PIPKIN

Digitally signed by
RAKE MCGRAW
May 20, 2025

OFFICE
AJV-A422

DATE
02/11/2025

APPROVED BY

BEV L BORDY

Digitally signed by
RAKE MCGRAW
May 20, 2025

OFFICE
AJV-A420

DATE

TITLE
MANAGER



AIRPORT ID
PBX

PROCEDURE NAME
RNAV (GPS) RWY 27

ORIGINAL/AMENDMENT
2A

CITY
PIKEVILLE

STATE
KY

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPBX
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	373339.7965N
LTP/FTP LONGITUDE	0823343.3340W
LTP/FTP ELLIPSOIDAL HEIGHT	+04141
FPAP LATITUDE	373335.0040N
FPAP LONGITUDE	0823535.2300W
THRESHOLD CROSSING HEIGHT (TCH)	00047.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	1F6D0A1D
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+04459
FPAP ORTHOMETRIC HEIGHT	+04459

QUALITY
37
CHECKED