

**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> 210	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> MADISONVILLE	<u>STATE</u> KY		
<u>AIRPORT ELEVATION</u> 439	<u>TDZE</u> 439	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 05/25/2017	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 FEBRUARY 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 324/30 CW 144/30	NOPT	324/11 CW 144/11		2700
2. 324/11 CW 144/11		CELES	IF/IAF	2600
3. 144/30 CW 324/30		CELES	IF/IAF	2600

**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>
CELES	IF/IAF	DEEPE		TF	FB	1.00	054.38	6.05	2200
DEEPE	FAF	RW05	MAP	TF	FO	0.30	054.44	5.36	
RW05	MAP	689 MSL		CA			054.44		
689 MSL		LOREE		DF	FO	1.00			2600

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW05

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2600 DIRECT LOREE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD SW CELES, RT, 054.38 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	054.44	FAF:	DEEPE	DIST FAF TO MAP:	5.36	DIST FAF TO THLD:	5.36							
4.	MIN ALT:	CELES 2600, DEEPE 2200													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.62	GS ANT:				
6.	MIN GP INCPT:	2200	GP ALT AT PFAF:	DEEPE 2200					OM:		MM:		IM:		
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	53.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING EVV ALTIMETER SETTING.  
CHART NOTE: RWY 05 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.CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVV ALTIMETER SETTING AND INCREASE LPV DA TO 788 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 818 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 234.61 INBOUND.  
FAS OBST: 730 AAO 371756N/0872844W.  
CHART 878 TOWER (21-001182) 371653N/0872917W.  
CHART VDP AT 1.53 NM TO RW05.  
WAAS CHANNEL # 82512  
REFERENCE PATH ID: W05A  
CHART CIRCLING ICON.  
LTP HAE: 103.6 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	689	3/4	250	689	3/4	250	689	3/4	250	689	3/4	250			
LNAV/VNAV DA	719	7/8	280	719	7/8	280	719	7/8	280	719	7/8	280			
LNAV MDA	980	1	541	980	1	541	980	1 5/8	541	980	1 5/8	541			
CIRCLING	980	1	541	980	1	541	980	1 5/8	541	1340	3	901			



CHANGES - REASONS

1. INCORPORATED PERIODIC REVIEW FINDINGS – IAW 8260.19J, 8-3-4 (B) AND ABBREVIATED AMENDMENT SOP.
2. DELETED NOTE: DME/DME RNP-0.3 NA. - APPLIED NEW PBN REQUIREMENTS NOTE WITH SENSOR.
3. ADDED PBN REQUIREMENTS NOTE: RNP APCH-GPS – IAW 8260.19J, 8-6-8 AND 8260.58C, TABLE 1-2-1.
4. CHANGED NOTE FROM: “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 54°C (130°F).” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.” – IAW 8260.19J, 8-6-10 (R) AND 8-7-1 (C)(10).
5. CHANGED NOTE FROM: “BARO-VNAV AND VDP NA WHEN USING EVANSVILLE ALTIMETER SETTING.” TO “BARO-VNAV AND VDP NA WHEN USING EVV ALTIMETER SETTING.” – IAW F8260.19J, 8-6-10, E (8).
6. CHANGED NOTE FROM: CHART NOTE: “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVANSVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 788 FEET, LNAV/VNAV DA TO 817 FEET AND ALL VISIBILITIES 3/8 SM. INCREASE ALL MDA 100 FEET AND LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 SM.” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVV ALTIMETER SETTING AND INCREASE LPV DA TO 788 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 818 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.” – IAW 8260.19J, 8-6-12 N (1)(A)(3).
7. DELETED PROFILE NOTE \*LNAV ONLY AND ASSOCIATED ASTERISK AT VDP 1.5 NM TO RW05. – IAW 8260.19J, 8-6-10, A (2).
8. DELETED PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 36) -PER 28 DAY REVIEW #25988 AND AIRNAV RWY 05 VGSI UPDATE DATA.
9. CHANGED PROFILE (LINE 2) FROM “HOLD SW CELES, RT, 054.38 INBOUND, 2600 FT. IN LIEU OF PT (IAF)” TO “HOLD SW CELES, RT, 054.38 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.” – IAW 8260.19J, 8-6-7, B (2).
10. CHANGED ADDITIONAL FLIGHT DATA FAS OBSTACLE FROM: “709 AAO 371900N/0872737W” TO “FAS OBST: 730 AAO 371756N/0872844W.” – NEW LNAV FINAL CONTROLLING OBSTACLE.
11. ADDED 20:1 IS CLEAR AND TCH 53.0 TO LINE 7 – IAW 8260.19J, 8-6-7 (G)(2) AND (3)(A).
12. INCREASED LNAV/VNAV DA/HAT FROM 718/279 TO 719/280. – MITIGATE MISSED APPROACH SECTION 1 FLAT SURFACE PENETRATION.
13. INCREASED LNAV MDA/HAT FROM 960/521 TO 980/541 – NEW CONTROLLING OBSTACLE.
14. INCREASED CIRCLING CATS A/B/C MDA/HAA FROM 960/521 TO 980/541 – IN CONJUNCTION WITH STRAIGHT-IN LNAV MINIMUM INCREASE.
15. INCREASED VISIBILITY FOR LNAV CAT C AND D AND CIRCLING CAT C FROM 1 1/2 TO 1 5/8. - IAW 8260.3E, CHG. 1, SECTION 3-3, TABLE 3-3-1 AND PARA 3-3-3 (D).
16. CHANGED ADDITIONAL FLIGHT DATA NOTE: FROM “VDP AT 1.49 NM TO RW05” TO “VDP AT 1.53 NM TO RW05” - IN CONJUNCTION WITH LNAV MDA INCREASE AND IAW 8260.19J, FORMULA 2-6-5.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: AMGR, ZID, ZME, EVV APP CON

Digitally signed by

FLIGHT CHECKED BY

DAVID DANNER

OFFICE

DATE

NATHAN J CHOTT

Dec 05, 2024

AJF

12/03/2024

DEVELOPED BY

Digitally signed by  
ANDRE L MARSH  
Aug 22, 2024

OFFICE

DATE

AJV-A421

08/08/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by  
DAVID DANNER

Dec 05, 2024

OFFICE

AJV-A420

DATE

TITLE

MANAGER



AIRPORT ID  
210

PROCEDURE NAME  
RNAV (GPS) RWY 5

ORIGINAL/AMENDMENT  
1A

CITY  
MADISONVILLE

STATE  
KY

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	210
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	372102.7300N
LTP/FTP LONGITUDE	0872422.9200W
LTP/FTP ELLIPSOIDAL HEIGHT	+01036
FPAP LATITUDE	372158.2670N
FPAP LONGITUDE	0872255.4620W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0912
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	FE984237
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**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01338
FPAP ORTHOMETRIC HEIGHT	+01338

