

**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</b></u> PITTSFIELD PENSTONE MUNI	<u><b>AIRPORT ID</b></u> KPPQ	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 13	<u><b>ORIGINAL/AMENDMENT</b></u> 1	<u><b>CITY</b></u> PITTSFIELD	<u><b>STATE</b></u> IL
<u><b>AIRPORT ELEVATION</b></u> 710	<u><b>TDZE</b></u> 710	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 13	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-A	<u><b>DATED</b></u> 06/03/2010	<u><b>MAG VAR</b></u> 2E
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 20 JUNE 2019	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 1985

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 043/30 CW 223/30	NOPT	LUHVY	IF/IAF	2700
2. 223/30 CW 313/30		OMURE	IAF	2700
3. 313/30 CW 043/30		HOTRI	IAF	2700

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
OMURE	IAF	LUHVY	NOPT	TF	FB	1.00	222.88	6.34	2700
HOTRI	IAF	LUHVY	NOPT	TF	FB	1.00	042.76	6.34	2700
LUHVY	IF/IAF	GABDY		TF	FB	1.00	132.82	6.00	2400
GABDY	FAF	RW13	MAP	TF	FO	0.30	132.88	5.21	
RW13	MAP	960 MSL		CA			132.88		
960 MSL		YERPI		DF	FO	1.00			2600

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW13

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2600 DIRECT YERPI AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NW LUHVY, RT, 132.82 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 132.88      FAF: GABDY      DIST FAF TO MAP: 5.21      DIST FAF TO THLD: 5.21

4. MIN ALT: LUHVY 2700, GABDY 2400

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      250 HAT: 0.69      GS ANT:      MM:      IM:

6. MIN GP INCPT: 2400      GP ALT AT FAF : GABDY 2400      OM:      MM:      IM:

7. GP ANGLE: 3.00      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH: 32.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C.  
CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 1.74 NM TO RW13\*  
\*LNAV ONLY  
WAAS CHANNEL #86642  
REFERENCE PATH ID: W13A  
CHART FAS OBST: 1035 TOWER 394110N/0905021W.  
HOLD NW, RT, 132.92 INBOUND  
LTP HAE: 183.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	960	1	250	960	1	250	960	1	250		NA				
LNAV/VNAV DA	1168	1 3/8	458	1168	1 3/8	458	1168	1 3/8	458		NA				
LNAV MDA	1300	1	590	1300	1	590	1300	1 3/4	590		NA				
CIRCLING	1300	1	590	1300	1	590	1340	1 3/4	630		NA				



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
PITTSFIELD PENSTONE MUNI	KPPQ	RNAV (GPS) RWY 13	1	PITTSFIELD	IL

# **CHANGES - REASONS**

1. TERMINAL ROUTE ALRAW TO LUHVVY CHANGED TO OMURE TO LUHVVY. DISTANCE CHANGED FROM 5.00 NM TO 6.34 NM. ALTITUDE CHANGED FROM 2600 TO 2700 - INITIAL SEGMENT LENGTHEN TO MAKE TURN ON FAC. PER TERPS CRITERIA, FIX ALRAW RENAMED AFTER MOVING MORE THAN 1 NM.
2. TERMINAL ROUTE FILAZ TO LUHVVY CHANGED TO HOTRI TO LUHVVY. COURSE/DISTANCE CHANGED FROM 042.78/5.00 NM TO 42.76/6.34 NM. ALTITUDE CHANGED FROM 2600 TO 2700 - INITIAL SEGMENT LENGTHEN TO MAKE TURN ON FAC. PER TERPS CRITERIA, FIX FILAZ RENAMED AFTER MOVING MORE THAN 1 NM.
3. TERMINAL ROUTE LUHVVY TO GABDY, COURSE/DISTANCE CHANGED FROM 132.83/5.07 NM TO 132.82/6.00 NM - MINIMUM INTERMEDIATE SEGMENT LENGTH FOR CAT C IS 6NM PER TERPS CRITERIA - 8260.3D, 2-5-3B(1).
4. TERMINAL ROUTE GABDY TO RW13 (MAP), DISTANCE CHANGED FROM 5.13 NM TO 5.21 NM - FAF MOVED WITH NEW IPDS EVALUATION.
5. TERMINAL ROUTE ADDED: RW13 (MAP) TO 960 MSL (CA) 132.88 - CA LEG ADDED TO MISSED APPROACH INSTRUCTIONS PER 8260.58A 3-5-2. CA ALTITUDE MUST BE THE LOWEST OF DA, MDA OR 400 ABOVE AIRPORT ELEVATION.
6. TERMINAL ROUTES, RW13 (MAP) TO YERPI CHANGED TO 960 MSL TO YERPI - CA LEG ADDED TO MISSED APPROACH INSTRUCTIONS PER 8260.58A 3-5-2. CA ALTITUDE MUST BE THE LOWEST OF DA, MDA OR 400 ABOVE AIRPORT ELEVATION.
7. PROFILE LINE 2, 'HOLD NW LUHVVY, RT, 132.83 INBOUND, 2600 FT. IN LIEU OF PT (IAF)' CHANGED TO 'HOLD NW LUHVVY, RT, 132.82 INBOUND, 2700 FT. IN LIEU OF PT (IAF) - TO MATCH INTERMEDIATE COURSE AND INITIAL/TAA ALTITUDES.
8. PROFILE LINE 3, DISTANCE FAF TO MAP AND FAF TO THLD CHANGED FROM 5.13 NM TO 5.21 - FAF MOVED WITH NEW IPDS EVALUATION.
9. PROFILE LINE 4, LUHVVY 2600 CHANGED TO LUHVVY 2700 - TO MATCH INITIAL/TAA ALTITUDES.
10. PROFILE LINE 6, GS ALT AT GABDY 2400 ADDED - LPV MINIMA ADDED.
11. PROFILE LINE 7, 20:1 IS CLEAR ADDED - IAW 8260.19H PARA 8-6-7G(3). 34:1 IS CHANGED TO NOT CLEAR - 34:1 PENETRATIONS.
12. LPV MINIMA ADDED - NEW VG SURVEY USED FOR EVALUATION AND NO GQS PENETRATIONS.
13. LNAV/VNAV MINIMA CATS A-C VISIBILITY CHANGED FROM 1 3/4 SM TO 1 3/8 SM - NEW CONTROLLING OBSTACLE AND UPDATED VISCHECK EVALUATION.
14. LNAV MINIMA CAT C VISIBILITY CHANGED FROM 1 1/2 SM TO 1 3/4 SM - UPDATED VISCHECK EVALUATION.
15. CIRCLING MINIMA CAT C CHANGED FROM 1300 MDA/590 HAA/1 1/2 SM TO 1340 MDA/630 HAA/1 3/4 SM - UPDATED VISCHECK EVALUATION.
16. MISSED APPROACH CHANGED FROM 'CLIMB TO 2600 VIA 133 TRACK TO YERPI AND HOLD' TO 'CLIMB TO 2600 DIRECT YERPI AND HOLD' - UPDATED EVALUATION.
17. ADDITIONAL FLIGHT DATA, NOTE DELETED: CHART 843 TOWER 393853N/0904659W - OBSTACLE NOT CHARTED WITH UPDATED EVALUATION.
18. ADDITIONAL FLIGHT DATA, NOTE UPDATED FROM 'DISTANCE TO THLD FROM 410 HAT: 1.19 NM' TO 'DISTANCE TO THLD FROM 250 HAT: 0.69 NM' - UPDATED EVALUATION.
19. ADDITIONAL FLIGHT DATA, NOTE CHANGED FROM 'CHART VDP AT 1.75 NM TO RW13' TO 'CHART VDP AT 1.74 NM TO RW13' - UPDATED EVALUATION.
20. ADDITIONAL FLIGHT DATA, NOTES ADDED: WAAS CHANNEL #86642, REFERENCE PATH ID: W13A, LTP HAE: 183.8 M - LPV MINIMUMS ADDED ALONG WITH THE FAS DATASHEET.
21. ADDITIONAL FLIGHT DATA, NOTE ADDED: CHART CIRCLING ICON - NEW CIRCLING CRITERIA APPLIED.
22. NOTE DELETED: BARO-VNAV NA BELOW -16C (3F) - REPLACED WITH NEW NOTE.
23. NOTE ADDED: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C - PER 8260.19H 8-6-9S.
24. NOTE DELETED: DME/DME RNP-0.3 NA - PER MEMO 257.
25. PBN REQUIREMENTS NOTE ADDED: RNP APCH - PER MEMO 257.
26. NOTE ADDED: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - PUBLISHED IAW 8260.19H PARA 8-6-11K(3).
27. ADDED ALTERNATE MINIMUMS - LOCAL ALTIMETER SETTING ON WMSCR AND DEEMED RELIABLE.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: AMGR, ZKC ARTCC

FLIGHT CHECKED BY *Digitally signed by*  
KIM M BROWN **DONALD H LANIER**  
Dec 21, 2018

OFFICE  
FICO  
DATE  
12/18/18

DEVELOPED BY *Digitally signed by*  
ANDREA CHANEY **ANDREA J CHANEY**

OFFICE  
AJV-5433  
DATE  
08/16/2018

APPROVED BY  
PATRICK MULQUEEN *Digitally signed by*  
**DONALD H LANIER**  
Sep 19, 2018  
Dec 21, 2018

OFFICE  
AJV-5430  
DATE  
TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPPQ
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	393834.0075N
LTP/FTP LONGITUDE	0904700.9085W
LTP/FTP ELLIPSOIDAL HEIGHT	+01838
FPAP LATITUDE	393731.0220N
FPAP LONGITUDE	0904539.2690W
THRESHOLD CROSSING HEIGHT (TCH)	00032.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B15398CA
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02163
FPAP ORTHOMETRIC HEIGHT	+02163

