

**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.

<b><u>AIRPORT</u></b> TERRE HAUTE RGNL	<b><u>AIRPORT ID</u></b> KHUF	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 23	<b><u>ORIGINAL/AMENDMENT</u></b> 1D	<b><u>CITY</u></b> TERRE HAUTE	<b><u>STATE</u></b> IN
<b><u>AIRPORT ELEVATION</u></b> 589	<b><u>TDZE</u></b> 582	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 23	<b><u>ORIGINAL/AMENDMENT</u></b> 1C	<b><u>DATED</u></b> 03/29/2018	<b><u>MAG VAR</u></b> 2W
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 8 NOVEMBER 2018	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 2000

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
TTH VORTAC		IPEDY		TF	FO	2.00	047.93	9.02	2400
VANJI	IAF	IPEDY	NOPT	TF	FB	1.00	143.45	7.84	2400
MATAN	IAF	IPEDY	NOPT	TF	FB	1.00	269.29	7.25	2400
IPEDY	IF/IAF	IMTEW		TF	FB	1.00	229.34	6.50	2400
IMTEW	FAF	CUVOS/1.70 NM TO RW23		TF	FB	0.30	229.28	3.83	
CUVOS/1.70 NM TO RW23		RW23	MAP	TF	FO	0.30	229.23	1.70	
RW23	MAP	782 MSL		CA			229.23		
782 MSL		POKHY		DF	FO	1.00			2600

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW23

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2600 DIRECT POKHY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD NE IPEDY, RT, 229.34 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	229.28	FAF: IMTEW	DIST FAF TO MAP: 5.53	DIST FAF TO THLD: 5.53	
4. MIN ALT:	IPEDY 2400, IMTEW 2400, CUVOS/1.70 NM TO RW23 1160*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:
6. MIN GP INCPT: 2400	GP ALT AT FAF : IMTEW 2400			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.0		
8. MSA FROM:	RW23 2600				

PBN REQUIREMENTS NOTES:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TTH VORTAC AIRWAY RADIALS 317 CW 137.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARIS, IL ALTIMETER SETTING AND INCREASE ALL DA 61 FEET AND ALL MDA 80 FEET, INCREASE LPV AND LNAV/VNAV VISIBILTY ALL CATS 1/8 MILE, INCREASE LNAV AND CIRCLING CATS C/D VISIBILTIES 1/4 MILE.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PARIS ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART: ASR.  
CHART CIRCLING ICON.  
CHART VDP AT 1.15 NM TO RW23\*  
\*LNAV ONLY  
WAAS CHANNEL #72625  
REFERENCE PATH ID: W23A  
CHART FAS OBST: 720 TREE 392752N/0871623W.  
HOLD SW, RT, 049.10 INBOUND  
LTP HAE: 144.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	782	3/4	200	782	3/4	200	782	3/4	200	782	3/4	200			
LNAV/VNAV DA	874	7/8	292	874	7/8	292	874	7/8	292	874	7/8	292			
LNAV MDA	980	1	398	980	1	398	980	1 1/8	398	980	1 1/8	398			
CIRCLING	1020	1	431	1040	1	451	1220	1 3/4	631	1220	2	631			



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
TERRE HAUTE RGNL	KHUF	RNAV (GPS) RWY 23	1D	TERRE HAUTE	IN

# **CHANGES - REASONS**

1. RAISED CIRCLING CAT C MDA FROM 1040/HAA 451 VISIBILITY 1 1/2 TO 1220/HAA 631 VISIBILITY 1 3/4 - 857 ELEVATOR TO MATCH VOR RWY 5.
2. RAISED CIRCLING CAT D MDA FROM 1140/HAA 551 VISIBILITY 2 TO 1220/HAA 671 VISIBILITY 2 - 860 TOWER TO MATCH VOR RWY 5.
3. ADDED CHART NOTE: CHART CIRCLING ICON - IAW 8260.19H PARA 8-6-10.
4. UPDATED CIRCLING RADII - BRING UP TO CURRENT CRITERIA IAW 8260.3C
5. CHANGED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARIS, IL ALTIMETER SETTING AND INCREASE ALL DA 61 FEET AND ALL MDA 80 FEET, INCREASE LPV VISIBILITY ALL CATS 1/8 MILE, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILTY 1/4 MILE TO CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARIS, IL ALTIMETER SETTING AND INCREASE ALL DA 61 FEET AND ALL MDA 80 FEET, INCREASE LPV AND LNAV/VNAV VISIBILTY ALL CATS 1/8 MILE, INCREASE LNAV AND CIRCLING CATS C/D VISIBILTIES 1/4 MILE - NEW VIS CHECK
6. REPLACED CHART NOTE: DME/DME RNP-0.3 NA WITH CHART PBN NAVSPEC REQUIREMENT NOTE: RNP APCH. - IAW 8260.19H PARA 8-6-8.
7. CHANGED CONTROLLING OBST FOR CIRCLING CAT A FROM 692 TREE TO 720 TREE - TO MATCH VOR RWY 5 NO IMPACT.
8. CHANGED CONTROLLING OBST FOR CIRCLING CAT B FROM 693 TANK TO 720 TREE - TO MATCH VOR RWY 5 NO IMPACT.
9. RAISED LPV HMAS FROM 614 TO 615, LNAV/VNAV HMAS FROM 704 TO 800, AND LNAV HMAS FROM 840 TO 879 - NEW IPDS EVALUATION.
10. CHANGED LNAV FAS OBST FROM 694 TREE TO 720 TREE - INCORPORATE P-NOTAM 5/3051.
11. CHANGED LNAV/VNAV CNTL OBST FROM 684 TREE TO 713 TREE - UPDATED DATABASE.
12. DELETED HELICOPTER VISIBILTY REDUCTION NOTE - NEW IPDS EVALUATION, 34:1 CLEAR.
13. CHANGE AIRPORT NAME FROM TERRE HAUTE-HULMAN FIELD TO TERRE HAUTE RGNL - INCORPORATE P-NOTAM 7/0637.
14. DELETED NOTE: CIRCLING RWY 36 NA AT NIGHT - INCORPORATE P-NOTAM 7/0637 (RWY CLOSED).
15. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 18 NA AT NIGHT - INCORPORATE P-NOTAM 7/0637 (RWY CLOSED).
16. ADDED CHART VDP AT 1.15NM TO RW23 - INCORPORATE P-NOTAM 5/3051.
17. CHANGED THRESHOLD ELEVATION TO TOUCHDOWN ZONE ELEVATION - INCORPORATE P-NOTAM 4/1053.
18. INCREASED LNAV MDA FROM 940 VIS 1 TO 980 VIS 1 1/8 - INCORPORATE P-NOTAM 5/3051.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZID ARTCC, HUF ATCT, AMGR

FLIGHT CHECKED BY

Digitally signed by  
ROBERT G HAMILTON  
Aug 14, 2018

OFFICE  
DATE

DEVELOPED BY

LONNIE EVERHART (STEVEN SCHUTRUM)

Digitally signed by  
ROBERT G HAMILTON  
Aug 14, 2018

OFFICE  
AJV-5400  
DATE  
04/12/2018

APPROVED BY

LONNIE EVERHART

Digitally signed by  
ROBERT G HAMILTON  
Aug 14, 2018

OFFICE  
AJV-5400  
DATE  
TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHUF
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	392726.4375N
LTP/FTP LONGITUDE	0871758.9880W
LTP/FTP ELLIPSOIDAL HEIGHT	+01446
FPAP LATITUDE	392625.8600N
FPAP LONGITUDE	0871923.4000W
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	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	211D838B
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01775
FPAP ORTHOMETRIC HEIGHT	+01775

